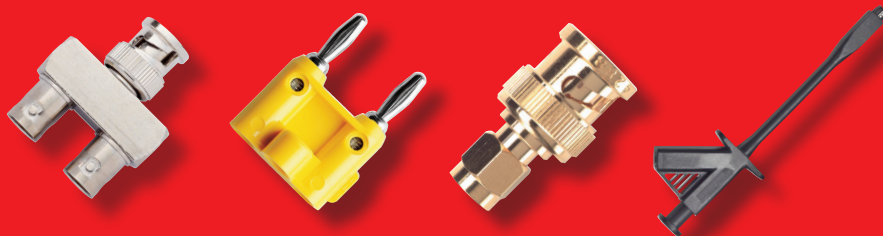




# Pomona<sup>®</sup>

ELECTRONICS

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Telecom

2008 - 2009

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[www.pomonaelectronics.com](http://www.pomonaelectronics.com)

For over half a century the name Pomona Electronics has been synonymous with reliability and outstanding value.



We are proud to have built our reputation for the delivery of quality products by using only the finest materials available and designing to match real world applications... where you live — everyday. Pomona Electronics is proud to be there, at your side.

|           |                                                 |
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| <b>5</b>  | <b>Customized Products</b>                      |
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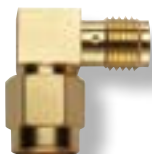


## RF Connectors Designed for a Smaller World

### RF SMA Connectors

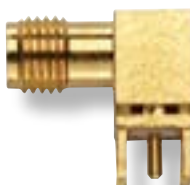
SMA connectors are compact and durable, with a bandwidth of DC to 12.4 GHz on flexible cables.

#### SMA 50Ω Within Series Adapters



*Shown on page 21*

#### SMA 50Ω Jack, Right-Angle PCB Receptacle

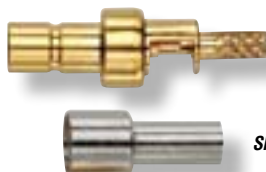


*Shown on page 21*

### RF SMB Connectors

SMB connectors have the added advantage of snap-on coupling rather than threads which make it great for fast connect and disconnect.

#### SMB 50Ω and 75Ω Plugs, Straight Crimp



*Shown on page 22*

#### SMB 50Ω and 75Ω Jacks, Right-Angle Crimp



*Shown on page 22*

### RF MCX Connectors

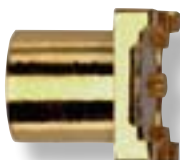
MCX connectors are used in applications requiring tight spacing and light weight, and are 30% smaller than SMB connectors.

#### MCX 50Ω and 75Ω Plugs, Right-Angle Crimp



*Shown on page 23*

#### MCX 50Ω Jack, Straight Surface Mount Receptacle

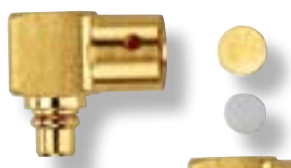


*Shown on page 23*

### RF MMCX Connectors

MMCX connectors offer a lock-snap connection with 360 degrees rotation, and are used in applications where small size and light weight are critical.

#### MMCX 50Ω Plug, Right-Angle Semi-Rigid Crimp



*Shown on page 24*

#### MMCX 50Ω Plug, Straight Edgecard



*Shown on page 24*

Pomona's quality connectors and test accessories are the one answer you need when a reliable signal is demanded.

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## For Distributor Locations:

United States and International  
[www.pomonaelectronics.com](http://www.pomonaelectronics.com)

Europe  
[www.pomona.cc](http://www.pomona.cc)

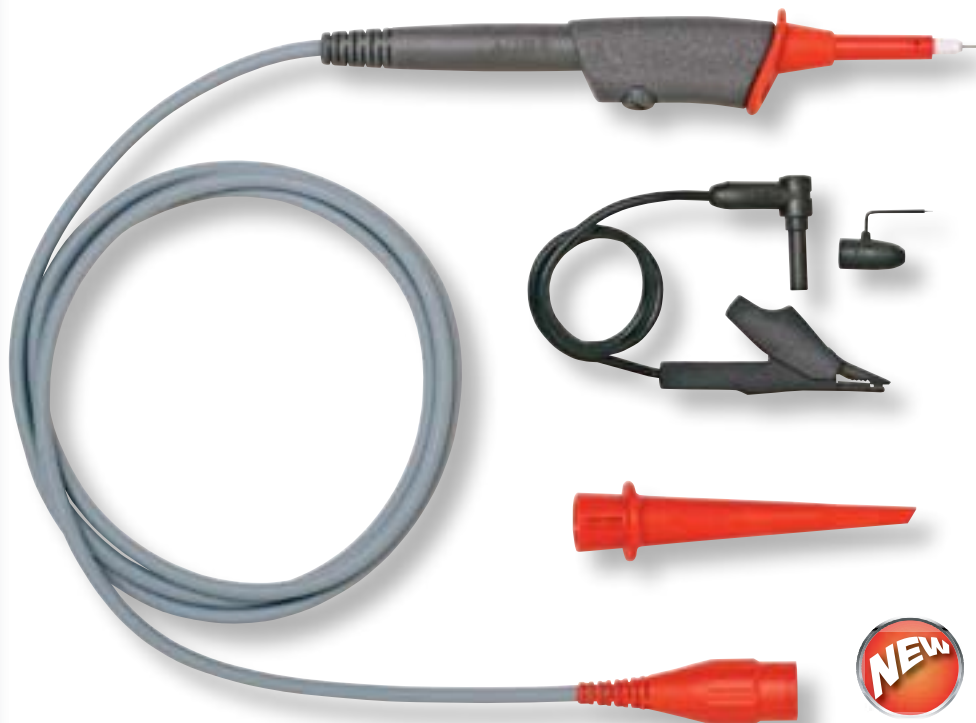
## Technical Support

U.S.  
[technicalsupport@pomonatest.com](mailto:technicalsupport@pomonatest.com)

Europe  
+31(0) 40 2675 150

Rest of World  
1-425-446-5500

## Insulated Oscilloscope Probes for Portable Applications



Featuring an ergonomic design with comfort grip, fully insulated, and with a 500 MHz bandwidth, these probes provide plenty of headroom for those high frequency measurements.

With a CAT II, 600V (CAT III, 300V) rating, these probes are perfect for use with portable oscilloscopes.

*Shown on page 77*

## Modular Passive Oscilloscope Probes



Featuring a new, compact, ergonomically designed probe handle, these modular general purpose passive voltage probes are ideal for use with a wide variety of oscilloscopes.

Modular in design, the probe handle is capable of receiving a variety of spring-loaded and fixed tips, providing greater testing versatility.

*Shown on pages 76-77*

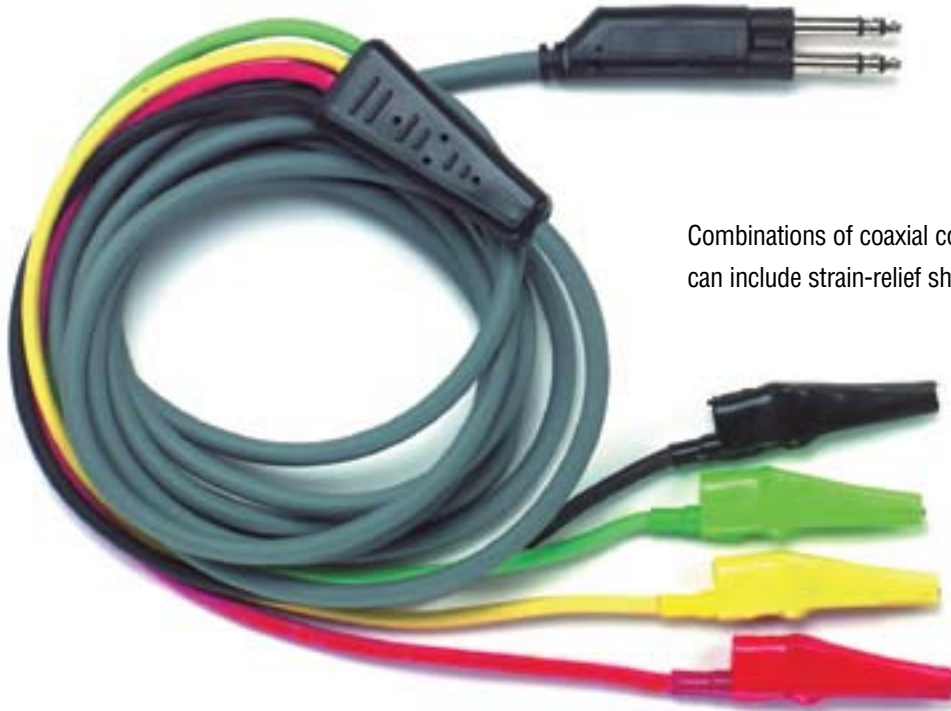
# Customized Products

Pomona responds to a wide range of special or custom requirements by providing accessories tailored to your needs. Whether we simply modify an existing catalog product or create a unique combination of products, we use only the finest materials to deliver top quality products.

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5

Think of the possibilities!  
You can now define your own custom product or kit made of many combinations of cables, wires, connectors, or probes in this catalog. Can't find the length or color you need? Pomona makes it easy. Want a unique combination of connectors and cables you just can't find anywhere? Just ask Pomona!



Combinations of coaxial connector/adaptor assemblies can include strain-relief sheathing, marking and lengths.

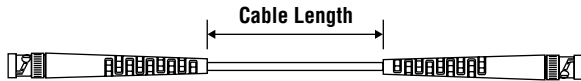
To order your Pomona Product, please select **[Custom Products]** and fill out the request form on our Pomona Electronics website.

## Coaxial Cable Assemblies and Breakouts

Pomona is the professional's choice, whether in the lab, plant or in the field. Using high-quality materials such as beryllium copper, gold and nickel plating ensures the precision you rely on. With a huge selection of cables and breakouts offering almost every connector and clip combination, Pomona provides you the solution for any application.

### How to Order

**Example:** A 48in (1.2m) coaxial cable assembly with matching BNC (m) ends, stress relief boots on RG58 C/U, 50Ω cable.

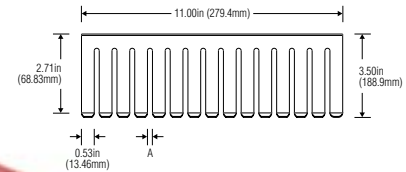


**Typical Pomona Part Number:** 2249-C-48  
 Cable Type \_\_\_\_\_  
 Cable Length in Inches (Measured Inside Connectors) \_\_\_\_\_

| Model#    | Length        |
|-----------|---------------|
| 2249-C-12 | 12.0in (0.3m) |
| 2249-C-24 | 24.0in (0.6m) |
| 2249-C-36 | 36.0in (0.9m) |
| 2249-C-48 | 48.0in (1.2m) |
| 2249-C-60 | 60.0in (1.5m) |

### Cable Assembly Holders

| Model# | Color  | "A" Max Cable Dia. | Number of Slots |
|--------|--------|--------------------|-----------------|
| 1508   | Orange | 0.210in (5.33mm)   | 14              |
| 4408   | Black  | 0.320in (8.13mm)   | 10              |
| 2708   | Blue   | 0.450in (11.43mm)  | 9               |



### Technical Specifications for Wire and Cable

| Cable Designation | Type                              | Impedance Ω | Capacitance per 1ft/ 0.304m | Insulation/Dielectric | AWG | Stranding Strands X AWG | Wire Type | Jacket Material | Cable O.D.       | Shield       | Temperature (w/o connectors) |
|-------------------|-----------------------------------|-------------|-----------------------------|-----------------------|-----|-------------------------|-----------|-----------------|------------------|--------------|------------------------------|
| A                 | twisted pair, 2 conductor         | NA          | 27.0 pf                     | PVC                   | 18  | 65X36                   | TC        | PVC             | 0.25in (6.35mm)  | NA           | -4 to 221°F (-20 to +105°C)  |
| C                 | Coax, RG58C/U                     | 50          | 30.8 pf                     | PE                    | 20  | 19X36                   | TC        | PVCNC           | 0.195in (4.95mm) | TCB          | -40 to 185°F (-40 to +85°C)  |
| E                 | Coax, RG59B/U                     | 75          | 22.5 pf                     | PE                    | 23  | Solid                   | BCCS      | PVCNC           | 0.242in (6.15mm) | BCB          | -40 to 140°F (-40 to +60°C)  |
| J                 | Microphone, 2 conductor, shielded | 90          | 18 / 32 pf*                 | PE                    | 22  | 16X34                   | TC        | PVC             | 0.231in (5.84mm) | TCB          | -40 to 176°F (-40 to +80°C)  |
| K                 | Coax, RG174/U                     | 50          | 30.8 pf                     | PE                    | 26  | 7X34                    | BCCS      | PVC             | 0.110in (2.79mm) | TCB          | -40 to 167°F (-40 to +75°C)  |
| T                 | Coax, RG214/U                     | 50          | 30.8 pf                     | PE                    | 13  | 7X22                    | SPC       | PVCNC           | 0.425in (10.8mm) | SCCB/SCCB    | -40 to 176°F (-40 to +80°C)  |
| X                 | Coax, RG142B/U                    | 50          | 29.0 pf                     | TFE                   | 18  | Solid                   | SPCCS     | FEP             | 0.195in (4.05mm) | SPC/SPC      | -94 to 392°F (-70 to +200°C) |
| Y                 | Coax, RG223/U                     | 50          | 30.8 pf                     | PE                    | 19  | Solid                   | SPC       | PVCNC           | 0.212in (5.38mm) | SCB/SCB      | -40 to 140°F (-40 to +60°C)  |
| BB                | Coax, RG316/U                     | 50          | 29.0 pf                     | TFE                   | 26  | 7X37                    | SPCCS     | FEP             | 0.096in (2.44mm) | SPC          | -94 to 392°F (-70 to +200°C) |
| SS                | Coax, RG58/U, low noise           | 50          | 37.0 pf                     | CPE / PE              | 22  | 7X30                    | TC        | PVC             | 0.195in (4.95mm) | BAF/TCB      | -40 to 176°F (-40 to +80°C)  |
| V                 | Coax, RG59/U                      | 75          | 20.4 pf                     | PE                    | 23  | Solid                   | BCCS      | PVC             | 0.242in (6.15mm) | BCB          | -40 to 176°F (-40 to +80°C)  |
| Triaxial          | Coax, RG 58A/U, double shielded   | 50          | 30.8 pf                     | PE / PE               | 20  | 7X28                    | TC        | PVC             | 0.240in (6.10mm) | TCB / TCB-40 | to 167°F (-40 to +75°C)      |

\* Capacitance between conductors / Capacitance between conductor and shield

AWG = American Wire Gauge  
 BAF = Bonded Aluminum Foil Polyester Tape  
 BCB = Bare Copper Braid  
 BCCS = Bare Copper Covered Steel  
 CPE = Conductive Polyethylene

FEP = Fluorinated Ethylene Propylene  
 OD = Outside Diameter  
 NA = Not Applicable  
 PE = Polyethylene  
 PVC = Polyvinyl Chloride

PVCNC = Polyvinyl Chloride Non Contaminating  
 SCB = Silver Coated Braid  
 SPC = Silver Plated Copper  
 SCCB = Silver Coated Copper Braid

SPCCS = Silver Plated Copper Covered Steel  
 SSPE = Semi-Solid Polyethylene  
 TC = Tinned Copper  
 TCB = Tinned Copper Braid  
 TFE = Tetrafluoroethylene

## BNC Male Cable with Molded Strain Relief



**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, +122°F (+50°C) max., ("Y" Cable 176°F (+80°C).)

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 6 for additional wire and cable specifications.

| Length       | 50Ω Cable O.D.<br>.195in (4.95mm)<br>RG58C/U | 50Ω Cable O.D.<br>.206in (5.23mm)<br>RG223 | 75Ω Cable O.D.<br>.242in (6.15mm)<br>RG59B/U | 50Ω Cable O.D.<br>.100in (2.54mm)<br>RG174/U | 50Ω Cable O.D.<br>.195in (4.95mm)<br>RG58C/U |
|--------------|----------------------------------------------|--------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|
| .5ft (0.2m)  | 2249-C-6                                     |                                            | 2249-E-6                                     | 2249-K-6                                     |                                              |
| 1ft (0.3m)   | 2249-C-12                                    | 2249-Y-12                                  | 2249-E-12                                    | 2249-K-12                                    |                                              |
| 2ft (0.6m)   | 2249-C-24                                    | 2249-Y-24                                  | 2249-E-24                                    | 2249-K-24                                    |                                              |
| 3ft (0.9m)   | 2249-C-36                                    | 2249-Y-36                                  | 2249-E-36                                    | 2249-K-36                                    |                                              |
| 4ft (1.2m)   | 2249-C-48                                    | 2249-Y-48                                  | 2249-E-48                                    | 2249-K-48                                    |                                              |
| 5ft (1.5m)   | 2249-C-60                                    | 2249-Y-60                                  | 2249-E-60                                    | 2249-K-60                                    | 5266-C-60                                    |
| 6ft (1.8m)   | 2249-C-72                                    | 2249-Y-72                                  | 2249-E-72                                    | 2249-K-72                                    |                                              |
| 8ft (2.4m)   | 2249-C-96                                    | 2249-Y-96                                  |                                              | 2249-K-96                                    |                                              |
| 10ft (3.0m)  | 2249-C-120                                   | 2249-Y-120                                 | 2249-E-120                                   | 2249-K-120                                   |                                              |
| 12ft (3.7m)  | 2249-C-144                                   | 2249-Y-144                                 | 2249-E-144                                   |                                              |                                              |
| 15ft (4.6m)  | 2249-C-180                                   | 2249-Y-180                                 | 2249-E-180                                   | 2249-K-180                                   |                                              |
| 20ft (6.1m)  | 2249-C-240                                   | 2249-Y-240                                 | 2249-E-240                                   | 2249-K-240                                   |                                              |
| 25ft (7.6m)  | 2249-C-300                                   |                                            | 2249-E-300                                   | 2249-K-300                                   |                                              |
| 30ft (9.1m)  | 2249-C-360                                   |                                            | 2249-E-360                                   |                                              |                                              |
| 50ft (15.2m) | 2249-C-600                                   |                                            | 2249-E-600                                   |                                              |                                              |

**Model 2249-C** is Pomona Electronics' most popular cable. The 50Ω RG58C/U cable makes it ideal for most test and measurement applications.

**Model 2249-Y** is a 50Ω RG223/U cable with double shield. Use when additional shielding is required.

**Model 2249-E** RG59B/U is a 75Ω cable, making it the right choice for use with TV, video and LAN applications.

**Model 2249-K** RG174/U offers superior flexibility in a 50Ω cable.

**Model 5266-C** is the same high quality construction as Model 2249-C with a connector on (one end only.)

## BNC Male Low-Noise Cable



| Model#      | Length       |
|-------------|--------------|
| 4964-SS-12  | 12in (0.3m)  |
| 4964-SS-24  | 24in (0.6m)  |
| 4964-SS-36  | 36in (0.9m)  |
| 4964-SS-48  | 48in (1.2m)  |
| 4964-SS-60  | 60in (1.5m)  |
| 4964-SS-72  | 72in (1.8m)  |
| 4964-SS-120 | 120in (3.0m) |
| 4964-SS-240 | 240in (6.1m) |

**Model 4964-SS** uses a special low-triboelectric cable which has noise attenuating layers surrounding the center conductor. The cable is ideal for low power, low frequency measurements.

**Recommended Frequency Range:** DC to 10KHz

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 6 for additional wire and cable specifications.

## BNC Male True 75Ω High Flex Cable



| Model#      | Length      |
|-------------|-------------|
| 6510-V-12-0 | 12in (0.3m) |
| 6510-V-24-0 | 24in (0.6m) |
| 6510-V-36-0 | 36in (0.9m) |
| 6510-V-48-0 | 48in (1.2m) |
| 6510-V-60-0 | 60in (1.5m) |
| 6510-V-72-0 | 72in (1.8m) |

**Model 6510-V** uses a true 75Ω connector for superior VSWR and low return loss up to 3 GHz. The highly flexible RG59/U type cable has a gas injected foam polyethylene dielectric with PVC jacket for low loss and superior shield coverage. Highly flexible cable and molded strain relief prevent excessive bending or kinking. An ideal product for HDTV and digital video as well as test and measurement.

**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 6 for additional wire and cable specifications.

## Flexible Color-coded Sleeves for BNC Cables



| Model# | Pkg. Qty |
|--------|----------|
| 6291   | 20       |

PVC sleeves which help prevent inadvertent contact with the outer shell of the BNC and allow for color-coding. Available in 10 colors. Fit most BNC male connectors. Perfect for use with any of the Model 2249- type cables.

**Colors:** contains 2 ea. of 10 colors.

## IEC Insulated BNC Male 50Ω Cable



| Model#     | Length       |
|------------|--------------|
| 72926-C-40 | 40in (100cm) |
| 72926-C-80 | 80in (200cm) |

**Rating:** 500V Cat 1, 150V Cat II, 3A.

**Color:** Black.

## BNC Male 50Ω Cable: Field Servicable Connector



| Model#   | Length      |
|----------|-------------|
| BNC-C-18 | 18in (0.5m) |
| BNC-C-24 | 24in (0.6m) |
| BNC-C-36 | 36in (0.9m) |
| BNC-C-48 | 48in (1.2m) |
| BNC-C-60 | 60in (1.5m) |
| BNC-C-72 | 72in (1.8m) |
| BNC-C-96 | 96in (2.4m) |

Clamp nut and silicone gasket seal out moisture. Gold-plated center contact and Teflon® insulation assure premium performance.

**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*.

**BNC:** *Body*: tarnish resistant nickel-plated brass; *Center Contact*: gold-plated brass contact soldered to cable; *Dielectric*: PTFE.

See chart on page 6 for additional wire and cable specifications.

## BNC Male 50Ω Cable



| Model#   | Length       |
|----------|--------------|
| 5697-6   | 6in (0.2m)   |
| 5697-12  | 12in (0.3m)  |
| 5697-24  | 24in (0.6m)  |
| 5697-36  | 36in (0.9m)  |
| 5697-48  | 48in (1.2m)  |
| 5697-60  | 60in (1.5m)  |
| 5697-72  | 72in (1.8m)  |
| 5697-120 | 120in (3.0m) |
| 5697-180 | 180in (4.6m) |
| 5697-240 | 240in (6.1m) |

**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*.

**Cable Type:** 50Ω, RG58 type 0.19in (4.95mm) O.D.

**BNC:** *Body*: tarnish resistant nickel-plated brass; *Center Contact*: gold-plated brass contact crimped to cable; *Dielectric*: PTFE.

See chart on page 6 for additional wire and cable specifications.

## BNC Male Right Angle Connector Cable with Molded Strain Relief



| Model#    | Length      |
|-----------|-------------|
| 4276-C-12 | 12in (0.3m) |
| 4276-C-24 | 24in (0.6m) |
| 4276-C-36 | 36in (0.9m) |

**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*.

**BNC:** *Body*: tarnish resistant nickel-plated brass; *Center Contact*: gold-plated brass; *Dielectric*: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 6 for additional wire and cable specifications.

## BNC Male 50Ω Cable with Insulated Push-on Connector



| Model#    | Length      |
|-----------|-------------|
| 6253-C-36 | 36in (0.9m) |

Unique locking feature assures secure retention with the convenience of a push-on connector.

**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*.

**BNC:** *Body*: tarnish resistant nickel-plated brass; *Center Contact*: gold-plated brass; *Outer Shell*: blue thermoplastic; *Dielectric*: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 6 for additional wire and cable specifications.

## BNC Male to BNC Male Right Angle 50Ω Cable



| Model#    | Length      |
|-----------|-------------|
| 1383-C-24 | 24in (0.6m) |
| 1383-C-60 | 60in (1.5m) |

**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*.

**BNC:** *Body*: tarnish resistant nickel-plated brass; *Center Contact*: gold-plated brass; *Dielectric*: PTFE.

See chart on page 6 for additional wire and cable specifications.

## BNC Male to BNC Female with Molded Strain Relief



| Model#    | Length      |
|-----------|-------------|
| 4524-C-36 | 36in (0.9m) |
| 4524-C-48 | 48in (1.2m) |
| 4524-C-60 | 60in (1.5m) |

Use to extend BNC Cables.

**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*.

**BNC:** *Body*: tarnish resistant nickel-plated brass; *Center Contact*: male: gold-plated brass; female: gold-plated beryllium copper; *Dielectric*: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 6 for additional wire and cable specifications.



## BNC Female 50Ω Cable with Molded Strain Relief



| Model#    | Length      |
|-----------|-------------|
| 4277-C-24 | 24in (0.6m) |
| 4277-C-48 | 48in (1.2m) |

**Rating:** Maximum voltage for hands free use: 500 Vrms\*.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated beryllium copper; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 6 for additional wire and cable specifications.

## SMA Male to SMA Female



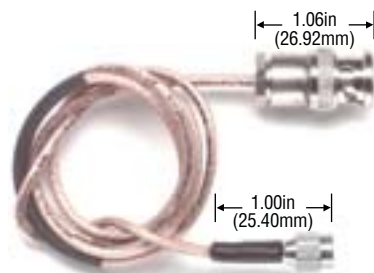
| RG 174/U   | Length      |
|------------|-------------|
| 4528-K-48  | 48in (1.2m) |
| RG 316/U   |             |
| 4528-BB-60 | 60in (1.5m) |
| RG 142B/U  |             |
| 4528-X-24  | 24in (0.6m) |
| 4528-X-48  | 48in (1.2m) |

**SMA:** Body/Fittings: passivated stainless steel; Contact: gold-plated brass; Dielectric: PTFE.

**SMA (F):** gold-plated, beryllium copper center contact; Dielectric: PTFE.

See chart on page 6 for additional wire and cable specifications.

## BNC Male to SMA Male 50Ω Teflon Insulated Cable



| RG 316/U   | Length      |
|------------|-------------|
| 4935-BB-24 | 24in (0.6m) |
| 4935-BB-48 | 48in (1.2m) |
| 4935-BB-60 | 60in (1.5m) |

**Rating:** Maximum voltage for hands free use: 335 Vrms\*.

**SMA:** Body /Fittings: passivated stainless steel; Contact: gold-plated brass; Dielectric: PTFE.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

See chart on page 6 for additional wire and cable specifications.

## SMA Male to Type 'N' Male 50Ω Cable



| Model#    | Length      |
|-----------|-------------|
| 5058-X-36 | 36in (0.9m) |
| 5058-X-48 | 48in (1.2m) |
| 5058-X-60 | 60in (1.5m) |

**SMA:** Body/Fittings: passivated stainless steel; Contact: gold-plated brass; Dielectric: PTFE.

**Type 'N':** Body: white bronze-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

See chart on page 6 for additional wire and cable specifications.

## SMA Male 50Ω Cable



| RG 174/U   | Length      |
|------------|-------------|
| 4846-K-24  | 24in (0.6m) |
| 4846-K-48  | 48in (1.2m) |
| 4846-K-60  | 60in (1.5m) |
| RG 316/U   |             |
| 4846-BB-24 | 24in (0.6m) |
| 4846-BB-48 | 48in (1.2m) |
| 4846-BB-60 | 60in (1.5m) |
| RG 142B/U  |             |
| 4846-X-24  | 24in (0.6m) |
| 4846-X-48  | 48in (1.2m) |
| 4846-X-60  | 60in (1.5m) |

**SMA:** Body/Fittings: passivated stainless steel; Contact: gold-plated brass; Dielectric: PTFE.

See chart on page 6 for additional wire and cable specifications.

## Type 'N' Male 50Ω Cable



| Model#    | Length      |
|-----------|-------------|
| 1658-T-18 | 18in (0.5m) |
| 1658-T-24 | 24in (0.6m) |
| 1658-T-36 | 36in (0.9m) |
| 1658-T-48 | 48in (1.2m) |
| 1658-T-60 | 60in (1.5m) |

**Rating:** Maximum voltage for hands free use: 1,000 Vrms\*.

**Type 'N':** Body: white bronze-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

See chart on page 6 for additional wire and cable specifications.

## SMA Male Right Angle 50Ω Cable



| RG 316/U   | Length      |
|------------|-------------|
| 4813-BB-24 | 24in (0.6m) |

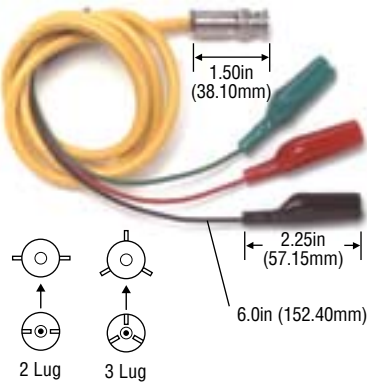
**SMA:** Body/Fittings: passivated stainless steel; Contact: gold-plated brass; Dielectric: PTFE.

See chart on page 6 for additional wire and cable specifications.



### Triaxial Male to Three Alligator Test Clips, Double Shielded

| Model# | Cable Type | Lugs | Length      |
|--------|------------|------|-------------|
| 4725   | Triaxial   | 2    | 36in (0.9m) |
| 5342   | Triaxial   | 3    | 36in (0.9m) |



**Rating:** Maximum voltage for hands free use: 150 Vrms\*.

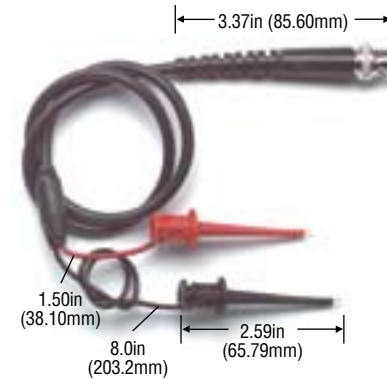
**Jaw Opening:** 0.30in (7.62mm) Max.

**Triaxial:** Body/Fittings: tarnish resistant nickel-plated brass; Intermediate and Center Contacts: gold-plated brass; Dielectric: PTFE.

See chart on page 6 for additional wire and cable specifications.

### BNC Male with Molded Strain Relief to Minipincer® Test Clips

| Model#    | Length      |
|-----------|-------------|
| 5423-C-24 | 24in (0.6m) |
| 5423-C-36 | 36in (0.9m) |
| 5423-C-48 | 48in (1.2m) |



**Rating:** Maximum voltage for hands free use: 300 Vrms\*.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

**Minipincer:** Contacts: beryllium gold-plated copper; Insulation: glass filled nylon.

**Colors:** One black and one red.

See chart on page 6 for additional wire and cable specifications.

### Triaxial Male Cables

| Model#  | Cable Type | #Lugs | Length      |
|---------|------------|-------|-------------|
| 5223-36 | Triaxial   | 3     | 36in (0.9m) |
| 5223-60 |            |       | 60in (1.5m) |
| 5054-36 | Triaxial   | 2     | 36in (0.9m) |
| 5054-60 |            |       | 60in (1.5m) |



**Rating:** Maximum voltage for hands free use: 500 Vrms\*.

**Triaxial:** Body/Fittings: tarnish resistant nickel-plated brass; Intermediate and Center Contacts: gold-plated brass; Dielectric: PTFE.

**Cable Type:** Double Shielded, 50Ω, RG58A/U.

**Colors:** 5223: Yellow, 5054: Yellow.

Triaxial to BNC Adapters on page 24.

See chart on page 6 for additional wire and cable specifications.

### BNC Male with Molded Strain Relief to Micrograbber® Test Clips

| Model#    | Length      |
|-----------|-------------|
| 4777-C-24 | 24in (0.6m) |
| 4777-C-36 | 36in (0.9m) |
| 4777-K-24 | 24in (0.6m) |
| 4777-K-36 | 36in (0.9m) |
| 4777-K-48 | 48in (1.2m) |



**Rating:** Maximum voltage for hands free use: 150 Vrms\*.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

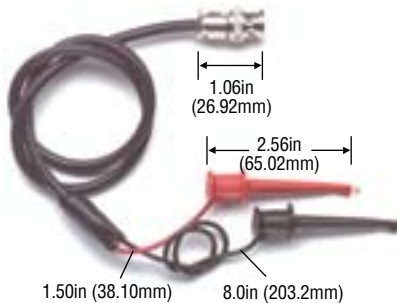
**Micrograbber:** Contacts: beryllium gold-plated copper; Insulation: glass filled nylon.

**Colors:** One black and one red.

See chart on page 6 for additional wire and cable specifications.

### BNC Male to Minigrabber® Test Clips

| Model#    | Length      |
|-----------|-------------|
| 3787-C-18 | 18in (0.5m) |
| 3787-C-24 | 24in (0.6m) |
| 3787-C-36 | 36in (0.9m) |
| 3787-C-48 | 48in (1.2m) |
| 3787-C-60 | 60in (1.5m) |



**Rating:** Maximum voltage for hands free use: 300 Vrms\*.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

**Minigrabber:** Contacts: beryllium gold-plated copper; Insulation: glass filled nylon.

**Colors:** One black and one red.

See chart on page 6 for additional wire and cable specifications.

### BNC Male with Molded Strain Relief to Alligator Test Clips

| Model#    | Length       |
|-----------|--------------|
| 4531-C-18 | 18in (0.5m)  |
| 4531-C-24 | 24in (0.6m)  |
| 4531-C-30 | 30in (0.76m) |
| 4531-C-36 | 36in (0.9m)  |
| 4531-C-48 | 48in (1.2m)  |
| 4531-C-60 | 60in (1.5m)  |



**Rating:** Maximum voltage for hands free use: 150 Vrms\*.

**Jaws Opening:** 0.3in (7.62mm) max.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

**Alligator:** Body: steel-plated nickel.

**Colors:** Vinyl boots: one black and one red.

See chart on page 6 for additional wire and cable specifications.

## BNC Male with Molded Strain Relief to Minigrabber® Test Clips



| Model#    | Length      |
|-----------|-------------|
| 5187-C-24 | 24in (0.6m) |
| 5187-C-36 | 36in (0.9m) |
| 5187-C-48 | 48in (1.2m) |
| 5187-C-60 | 60in (1.5m) |
| 5187-K-24 | 24in (0.6m) |
| 5187-K-36 | 36in (0.9m) |
| 5187-K-48 | 48in (1.2m) |
| 5187-K-60 | 60in (1.5m) |

**Rating:** Maximum voltage for *hands free use*: 300 Vrms\*.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

**Minigrabber:** Contacts: beryllium gold-plated copper; Insulation: glass filled nylon.

**Colors:** One black and one red.

See chart on page 6 for additional wire and cable specifications.

## BNC Male with Molded Strain Relief to Minigator® Test Clips



| Model#    | Length      |
|-----------|-------------|
| 4532-C-24 | 24in (0.6m) |
| 4532-C-36 | 36in (0.9m) |
| 4532-C-48 | 48in (1.2m) |
| 4532-C-60 | 60in (1.5m) |

**Rating:** Maximum voltage for *hands free use*: 45 Vrms\*.

**Jaws Opening:** to 0.18in (47.50mm) max.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

**Minigator:** Body: steel-plated nickel

**Colors:** Vinyl boots: one black and one red.

**Rating:** +122°F (+50°C) max.

See chart on page 6 for additional wire and cable specifications.

## BNC Male with Molded Strain Relief to SMD Grabber® Test Clips



| Model#    | Length      |
|-----------|-------------|
| 5304-K-24 | 24in (0.6m) |
| 5304-K-36 | 36in (0.9m) |

**Rating:** Maximum voltage for *hands free use*: 150 Vrms\*.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

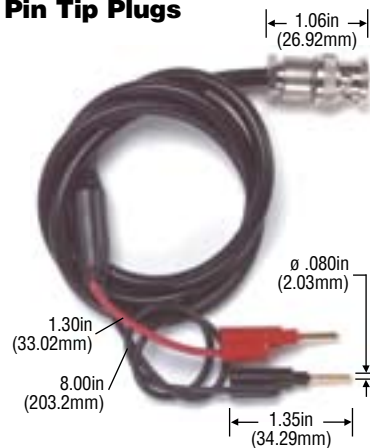
**Strain Relief:** PVC molded directly to cable and connectors.

**Grabber:** Contacts: gold-plated stainless steel; Insulation: glass filled nylon.

**Colors:** One black and one red.

See chart on page 6 for additional wire and cable specifications.

## BNC Male to Stacking Pin Tip Plugs



| Model#    | Length      |
|-----------|-------------|
| 2882-C-60 | 60in (1.5m) |

**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, +122°F (+50°C) max.

**Cable Type:** RG58C/U, 0.19in (4.95mm) O.D.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass.

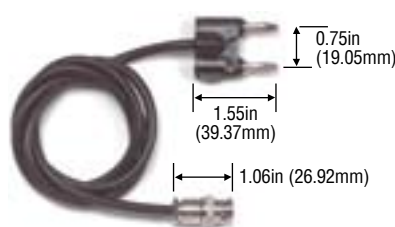
**Pin Tip Plug:** Body: gold-plated brass; Insulation: polypropylene.

**Colors:** One black and one red.

**Strain Relief:** contact soldered to cable.

See chart on page 6 for additional wire and cable specifications.

## BNC Male to Multi-Stacking Double Banana Plugs



| Model#     | Length      |
|------------|-------------|
| 2BC-BNC-36 | 36in (0.9m) |

**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, +122°F (+50°C) max.

**Cable Type C:** RG58C/U, 0.19in (4.95mm) O.D.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass.

**2nd End: Double Banana Plugs.** Body: nickel-plated brass beryllium copper spring; Insulation: polypropylene. Color: Black.

**Strain Relief:** PVC molded directly to cable and connectors.



### Insulated BNC Male/4mm Shrouded Plugs



| Model#     | Length       |
|------------|--------------|
| 72927-C-40 | 40in (100cm) |
| 72927-C-80 | 80in (200cm) |

Impedance: 50Ω.  
Rating: 500V Cat I, 150 V Cat II, 3A.  
Color: Black.

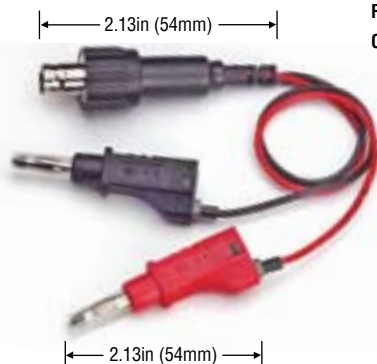
### IEC Insulated BNC Male to Stackable/Retractable 4 mm plugs



| Model# | Length      |
|--------|-------------|
| 72908  | 10in (25cm) |

Impedance: 50Ω.  
Rating: 33 Vrms / 70 Vdc, 6A.  
Color: Black.

### IEC Insulated BNC Female to Stackable/Retractable 4 mm plugs



| Model# | Length      |
|--------|-------------|
| 72909  | 10in (25cm) |

Impedance: 50Ω.  
Rating: 33 Vrms / 70 Vdc, 6A.  
Color: Black.

### BNC Male to ... the ends listed below



**1st End: Crimp BNC Male with Molded Strain Relief.**  
Body: tarnish resistant nickel-plated brass; Center contact: gold-plated brass; Impedance: 50Ω, Boot, PVC; Color: black.  
Cable Type C: RG58C/U

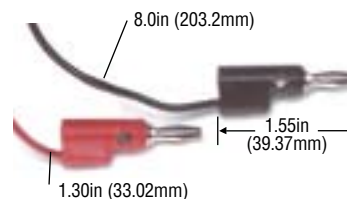
Rating: Maximum voltage for hands free use: 500 Vrms\*.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass

**Strain Relief:** PVC molded directly to cable and connectors.

### Match to any end shown below

#### BNC Male with Molded Strain Relief to Multi-Stacking Banana Plugs

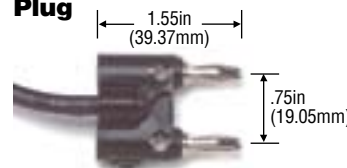


| Model#    | Length      |
|-----------|-------------|
| 5268-C-24 | 24in (0.6m) |
| 5268-C-36 | 36in (0.9m) |
| 5268-C-48 | 48in (1.2m) |
| 5268-C-60 | 60in (1.5m) |

**2nd End: Stacking Banana Plugs.**  
Body: nickel-plated brass beryllium copper spring; Insulation: polypropylene; Colors: one black and one red.

See chart on page 6 for additional wire and cable specifications.

#### BNC Male with Molded Strain Relief to Multi-Stacking Double Banana Plug

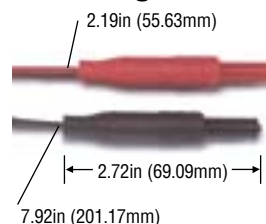


| Model#    | Length      |
|-----------|-------------|
| 4530-C-18 | 18in (0.5m) |
| 4530-C-24 | 24in (0.6m) |
| 4530-C-36 | 36in (0.9m) |
| 4530-C-48 | 48in (1.2m) |
| 4530-C-60 | 60in (1.5m) |

**2nd End: Double Banana Plugs.**  
Body: nickel-plated brass beryllium copper spring; Insulation: polypropylene. Color: black.

See chart on page 6 for additional wire and cable specifications.

#### BNC Male with Molded Strain Relief to Retractable Sheath Banana Plugs



| Model#    | Length      |
|-----------|-------------|
| 5343-C-12 | 12in (0.3m) |
| 5343-C-24 | 24in (0.6m) |
| 5343-C-36 | 36in (0.9m) |
| 5343-C-48 | 48in (1.2m) |
| 5343-C-60 | 60in (1.5m) |

Ideal for use with binding posts.

**2nd End: Sheathed Banana Plugs.**  
Body: nickel-plated brass beryllium copper spring; Insulation: nylon.

See chart on page 6 for additional wire and cable specifications.

#### BNC Male with Molded Strain Relief to Square Pin Receptacles



| Model#    | Length      |
|-----------|-------------|
| 4945-K-18 | 18in (0.5m) |
| 4945-K-24 | 24in (0.6m) |
| 4945-K-36 | 36in (0.9m) |
| 4945-K-48 | 48in (1.2m) |
| 4945-K-60 | 60in (1.5m) |

**2nd End: 0.025in (0.6mm) Square Pin Receptacles**

Center Contact: gold-plated brass; Insulation: ABS; Colors: one black and one red.

See chart on page 6 for additional wire and cable specifications.

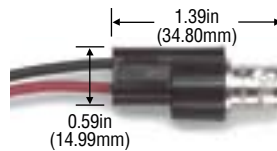
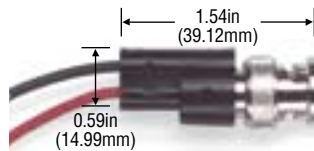
## BNC Male or Female to ... the ends listed below

### BNC Male (1st End):

Body: tarnish resistant nickel-plated brass;  
Center Contact: gold-plated brass;  
Insulation: polypropylene; Dielectric: PTFE.

Nominal impedance: 50Ω.

Colors: Black.



Overall length = BNC length + wire length + clip/plug length

Match to any end shown below

### BNC Female (1st End):

Body: tarnish resistant nickel-plated brass;  
Center Contact: beryllium gold-plated copper;  
Insulation: polypropylene; Dielectric: PTFE.

Nominal impedance: 50Ω.

Colors: Black.

| Male Model# | Female Model# | Wire Length |
|-------------|---------------|-------------|
|-------------|---------------|-------------|

### ...Minigrabber® Test Clips (2nd End)



|      |      |               |
|------|------|---------------|
| 3789 | 3788 | 5.5in (140mm) |
|------|------|---------------|

Minigrabber: Contacts: beryllium gold-plated copper; Insulation: glass filled nylon

Colors: One black and one red.

Rating: Maximum voltage for hands free use: 300 Vrms\*, +131°F (+55°C) max.

### ...Micrograbber® Test Clips (2nd End)



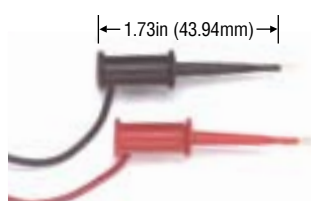
|      |      |               |
|------|------|---------------|
| 5189 | 5188 | 5.4in (137mm) |
|------|------|---------------|

Micrograbber: Contacts: beryllium gold-plated copper; Insulation: glass filled nylon.

Colors: One black and one red.

Rating: Maximum voltage for hands free use: 150 Vrms\*, +131°F (+55°C) max.

### ... SMD Grabber® Test Clips (2nd End)



|   |      |               |
|---|------|---------------|
| — | 5305 | 5.5in (140mm) |
|---|------|---------------|

Grabber: Contacts: gold-plated stainless steel; Insulation: glass filled nylon.

Colors: One black and one red.

Rating: Maximum voltage for hands free use: 150 Vrms\*, +131°F (+55°C) max.

### ... Multi-Stacking Banana Plug (2nd End)



|      |      |               |
|------|------|---------------|
| 3957 | 3073 | 5.4in (137mm) |
|------|------|---------------|

Banana Plug: Body: brass, Spring: beryllium copper; gold-plated. Insulation: polypropylene.

Colors: One black and one red

Rating: Maximum voltage for hands free use: 500 Vrms\*, +131°F (+55°C) max.

### ... Stacking Miniature Banana Plugs (2nd End)



|   |      |               |
|---|------|---------------|
| — | 3966 | 5.5in (140mm) |
|---|------|---------------|

Banana Plug: Body: brass, Spring: beryllium copper; gold-plated. Insulation: polypropylene.

Colors: One black and one red

Rating: Maximum voltage for hands free use: 500 Vrms\*, +131°F (+55°C) max.

### ... Alligator Test Clips (2nd End)



|      |      |             |
|------|------|-------------|
| 2885 | 2630 | 5in (127mm) |
|------|------|-------------|

Alligator: Body: steel-plated nickel.

Colors: Vinyl boots: one black and one red.

Rating: +122°F (+50°C) max.

Rating: Maximum voltage for hands free use: 150 Vrms\*.

Jaw Opening: 0.30in (7.62mm).

### ... Minigator Test Clips (2nd End)



|      |      |               |
|------|------|---------------|
| 2886 | 2631 | 5.9in (149mm) |
|------|------|---------------|

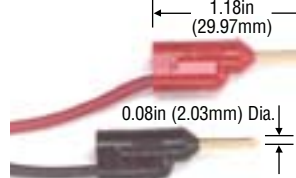
Minigator: Body: steel-plated nickel.

Colors: Vinyl boots: one black and one red.

Rating: Maximum voltage for hands free use: 45 Vrms\*, +122°F (+50°C) max.

Jaw Opening: 0.18in (4.75mm).

### ... Stacking Pin Tip Plugs (2nd End)



|      |      |               |
|------|------|---------------|
| 3901 | 3221 | 5.5in (140mm) |
|------|------|---------------|

Pin Tip Plug: Body: gold-plated brass; Insulation: polypropylene.

Colors: One black and one red.

Rating: Maximum voltage for hands free use: 500 Vrms\*, +131°F (+55°C) max.

### ... 20 AWG Leads (2nd End)

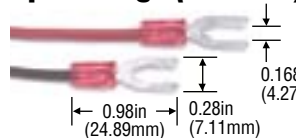


|      |      |               |
|------|------|---------------|
| 4970 | 4969 | 5.9in (149mm) |
|------|------|---------------|

Rating: Hands free testing in controlled voltage environment: 500 Vrms\*, +131°F (+55°C) max.

2nd End: None.

### Female only ... to #8 Spade Lugs (2nd End)



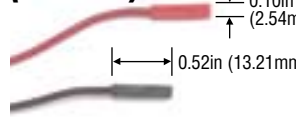
|   |      |               |
|---|------|---------------|
| — | 5051 | 5.4in (136mm) |
|---|------|---------------|

Spade Lug: Body: Copper, tin-plated; Insulation: vinyl.

Colors: One black and one red.

Rating: Maximum voltage for hands free use: 500 Vrms\*, +131°F (+55°C) max.

### Female only ... to .025 Square Pin Receptacles (2nd End)



|   |      |               |
|---|------|---------------|
| — | 5069 | 5.6in (143mm) |
|---|------|---------------|

Square Pin: Gold-plated phosphor bronze, ABS insulation.

Colors: One black and one red.

Rating: Maximum voltage for hands free use: 500 Vrms\*, +131°F (+55°C) max.

\*see rating message at start of section.

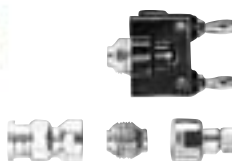
## RF Coaxial Connectors, Adapters and Kits

Pomona has everything from a single reliable RF adapter to versatile kits packaged in lightweight, foam padded cases containing all the connections and terminations you might need. Small MCX, MCXX, SMA and SMB connectors enable attachment in today's tight spacings. Pomona – connecting with quality.

### Universal Adapter Kit

Model# 5698

Kit contains two each: BNC (m), BNC (f), TNC (m), TNC (f), SMA (m), SMA (f), N (m), N (f), four intermediate couplers, one double Banana Plug, one double Banana Jack, and case.



### Multi-RF Direct Adapter Kit

Model# 72934

A comprehensive kit including the most frequently used 50Ω RF adapters in a rugged pistol-grip case. Allows for direct adaptation without intermediate couplers. All parts are precision machined brass, not die-cast, with tarnish resistant nickel plating. Male center pin contacts are gold plated brass. Female center contacts are gold plated heat treated beryllium copper. Insulation material is high density PTFE.



### Maxi Universal Adapter Kit

Model# 5748

Kit contains two each: BNC (m), BNC (f), TNC (m), TNC (f), SMA (m), SMA (f), N (m), N (f), UHF (m), UHF (f), Mini UHF (m), Mini UHF (f), F (m), F (f), RCA (m), RCA (f), six intermediate couplers, one double Banana Plug, one double Banana Jack, one sampler, and case.



#### Kit contains:

|                         |                               |
|-------------------------|-------------------------------|
| 3535 BNC (m)/Type N (f) | 4295 SMA (f)/TNC (f)          |
| 3288 BNC (f)/Type N (m) | 4296 SMA (m)/Type N (m)       |
| 3844 TNC (m)/BNC (f)    | 3283 BNC (f-f)                |
| 4288 SMA (m)/BNC (m)    | 3533 BNC (m-m)                |
| 4290 SMA (m)/BNC (f)    | 3285 BNC (f-m-f) TEE          |
| 4289 SMA (f)/BNC (m)    | 3284 BNC (f-f-f) TEE          |
| 4291 SMA (f)/BNC (f)    | 4940 TNC (f-f) Adapter        |
| 4298 SMA (m)/Type N (f) | 3841 TYPE N (f-f)             |
| 4297 SMA (f)/Type N (m) | 3842 TYPE N (m-m)             |
| 4299 SMA (f)/Type N (f) | 4282 SMA (m-f) Rt Angle       |
| 4292 SMA (m)/TNC (m)    | 4283 SMA (m-m)                |
| 4294 SMA (m)/TNC (f)    | 4284 SMA (f-f)                |
| 4293 SMA (f)/TNC (m)    | 4286 SMA Termination, 50Ω (m) |

### Adapter Kit Accessories

Individual adapters for the Universal Adapter Kits are also available.

| Coupling nut adapter to | Model# | 5698 | 5748 |
|-------------------------|--------|------|------|
| BNC (m)                 | 5735   | 2    | 2    |
| BNC (f)                 | 5739   | 2    | 2    |
| TNC (m)                 | 5736   | 2    | 2    |
| TNC (f)                 | 5740   | 2    | 2    |
| SMA (m)                 | 5737   | 2    | 2    |
| SMA (f)                 | 5741   | 2    | 2    |
| N (m)                   | 5734   | 2    | 2    |
| N (f)                   | 5738   | 2    | 2    |
| UHF (m)                 | 5752   |      | 2    |
| UHF (f)                 | 5756   |      | 2    |

| Coupling nut adapter to | Model# | 5698 | 5748 |
|-------------------------|--------|------|------|
| Mini UHF (m)            | 5753   |      | 2    |
| Mini UHF (f)            | 5757   |      | 2    |
| RCA (m)                 | 5754   |      | 2    |
| RCA (f)                 | 5758   |      | 2    |
| F (m)                   | 5759   |      | 2    |
| F (f)                   | 5755   |      | 2    |
| Coupler                 | 5742   | 4    | 6    |
| Dbl Banana Plug         | 5743   | 1    | 1    |
| Dbl Banana Post         | 5744   | 1    | 1    |
| Sampler                 | 5760   |      | 1    |

### SMA Adapter Kit

Model# 72931

A consolidated kit including the most frequently used SMA adapters in a rugged pistol-grip case. Allows for direct adaptation without intermediate couplers. All parts are precision machined brass, not die-cast, with tarnish resistant nickel plating. Male center pin contacts are gold plated brass. Female center contacts are gold plated heat treated beryllium copper. Insulation material is high density PTFE.



#### Kit contains:

|                                         |                               |
|-----------------------------------------|-------------------------------|
| 4282 Right Angle SMA Female to SMA Male | 4292 SMA Male to TNC Male     |
| 4283 Inline SMA Male to SMA Male        | 4293 SMA Female to TNC Male   |
| 4284 Inline SMA Female to SMA Female    | 4294 SMA Male to TNC Female   |
| 4286 SMA Male Terminator Plug           | 4295 SMA Female to TNC Female |
| 4288 SMA Male to BNC Male               | 4296 SMA Male to N Male       |
| 4289 SMA Female to BNC Male             | 4297 SMA Female to N Male     |
| 4290 SMA Male to BNC Female             | 4298 SMA Male to N Female     |
| 4291 SMA Female to BNC Female           | 4299 SMA Female to N Female   |

## N Adapter Kit



Model# 72932

A consolidated kit including the most frequently used Type N adapters in a rugged pistol-grip case. Allows for direct adaptation without intermediate couplers. All parts are precision machined brass, not die-cast, with tarnish resistant nickel plating. Male center pin contacts are gold plated brass. Female center contacts are gold plated heat treated beryllium copper. Insulation material is high density PTFE.

### Kit contains:

3288 N Male to 50Ω BNC Female  
3535 N Female to 50Ω BNC Male  
3841 Inline N Female to N Female  
3842 Inline N Male to N Male  
3843 Right Angle N Female to N Male  
4286 N Male to SMA Male  
4297 N Male to SMA Female

4298 N Female to SMA Male  
4299 N Female to SMA Female  
5089 T Style N Female to N Female to N Female  
4240-50 50Ω N Terminator Plug  
4240-75 75Ω N Terminator Plug

## Broadcast BNC Adapter Kit



Model# 72933

A comprehensive kit including the most frequently used 75Ω BNC adapters in a rugged pistol-grip case. Allows for direct adaptation without intermediate couplers. All parts are precision machined brass, not die-cast, with tarnish resistant nickel plating. Male center pin contacts are gold plated brass. Female center contacts are gold plated heat treated beryllium copper. Insulation material is high density PTFE.

### Kit contains

6737 75Ω BNC f/f Adapter  
6738 75Ω BNC f/f/f Adapter  
6739 75Ω BNC f/m/f Adapter  
6740 75Ω BNC m/m Adapter  
6754 BNC (F/M/F) Adapter, In-Line, 75Ω  
6779 BNC (m) / f (f), 75Ω  
6780 BNC (f) / f (f), 75Ω  
6781 BNC (f) / F (m), 75Ω  
6782 BNC (m) / F (m), 75Ω

1297 Adapter, BNC(f), Phono Plug  
3837 BNC (f)/Tini Plug  
4043 Adapter, BNC(M), Phono Jack  
4267 BNC (f)/Microplug  
5319 BNC Female to Phono Plug  
4054 BNC (m) to Phono Jack Adapter  
4719 BNC (f)/Bantam Plug  
5008 BNC (f)/.090 Video Plug  
6519 BNC TO Mini-WECO Adapter  
3840-75 BNC (m) Resistor Terminator Plug, 75Ω

## 7/16 DIN Adapter Kit



Model# 6254

This kit will enable the field service technician to connect equipment that has 7/16 DIN connectors to other equipment that has Type N connectors. These connectors are not compatible, but both are commonly found on the same types of telephone equipment and test equipment.

The key feature of the 7/16 DIN connector is the extremely high resistance to inter-modulation interference. These connectors are used in cellular phone and PCS systems to reduce interference in crowded cell sites and also in radio, television and repeater sites.

An assortment of the most useful adapters for conversion between 7/16 DIN and Type N.

### Kit contains one each:

6256 7/16 DIN Male to Type N Male Adapter  
6257 7/16 DIN Male to Type N Female Adapter  
6259 7/16 DIN Female to Type N Male Adapter  
6260 7/16 DIN Female to Type N Female Adapter  
7/16 DIN Male to 7/16 DIN Female Right Angle Adapter  
7/16 DIN Female to 7/16 DIN Female Splice  
All parts are protected by a custom zippered case with die cut foam padding.

## Universal Adapter Cable



| Model#  | Length      |
|---------|-------------|
| 5749-24 | 24in (0.6m) |
| 5749-36 | 36in (0.9m) |
| 5749-48 | 48in (1.2m) |
| 5749-60 | 60in (1.5m) |
| 5749-72 | 72in (1.8m) |

Make cable assemblies with any of the adapters in the universal adapter kits.

50Ω RG 58C/U, 195" O.D.

## BNC to Banana Plug and Binding Post Adapter Kit



Model# 5510

An assortment of many of Pomona's most popular BNC

### Kit contains one each:

BNC Female to Stacking Double Banana Plug  
BNC Male to Stacking Double Banana Plug  
BNC Male to Stackable Binding Posts  
BNC Female to Stackable Binding Posts  
BNC Female to Female  
BNC Male to Male adapters.

## BNC 50Ω Attenuator Kit



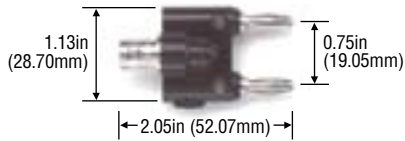
Model# 5513

Kit contains five Model 4108 BNC 50Ω attenuators, one each of 3dB, 6dB, 10dB, 14dB and 20dB.

(Same as Model 4108).



### BNC Female to Double Stacking Banana Plug



**Model# 1269**

**Rating:** Maximum voltage for hands free use: 500 Vrms\*, +122°F (+50°C) max.

**Material:** Banana Plug Jack: brass; Spring: heat treated berylliumcopper; Finish: nickel plating.

### BNC Male to Double Stacking Banana Plug

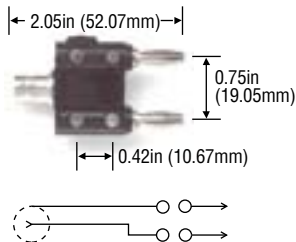


**Model# 1270**

**Rating:** Maximum voltage for hands free use: 500 Vrms\*, +122°F (+50°C) max.

**Material:** Banana Plug Jack: brass; Spring: heat treated berylliumcopper; Finish: nickel plating.

### BNC Female to Double Banana Plug



**Model# 1468**

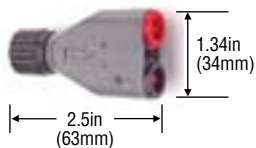
4 solder turrets provide access between BNC and isolated banana plugs.

**Rating:** Maximum voltage for hands free use: 500 Vrms\*, +131°F (+55°C) max.

**BNC:** isolated from Banana Plugs.

**Material:** Banana Plug Jack: brass; Spring: heat treated berylliumcopper; Finish: nickel plating.

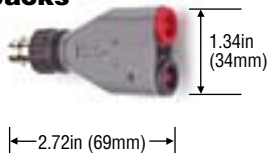
### Insulated BNC Male to Dual 4 mm Banana Plugs/Jacks



| Model# | Type  |
|--------|-------|
| 72910  | Plugs |
| 72937  | Jacks |

**Rating:** 500V Cat I, 150V Cat II.

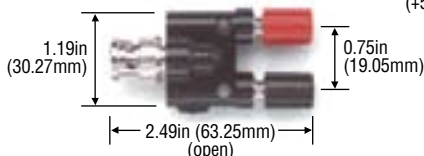
### Insulated BNC Female to Dual 4 mm Banana Plugs/Jacks



| Model# | Type  |
|--------|-------|
| 72911  | Plugs |
| 72938  | Jacks |

**Rating:** 500V Cat I, 150V Cat II.

### BNC Male to Stackable Binding Posts



**Model# 1296**

**Rating:** Maximum voltage for hands free use: 500 Vrms\*, +122°F (+50°C) max.

### 4mm Safety Banana Jack to 2mm Banana Plug Adapter

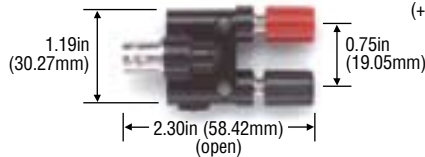


| Model#   | Color              |
|----------|--------------------|
| 72914-02 | Set, Black and Red |
| 72914-0  | 10 pack, Black     |
| 72914-2  | 10 pack, Red       |

Accepts 4mm safety-sheathed banana plugs.

**Rating:** 33 Vrms / 70 Vdc, 36A.

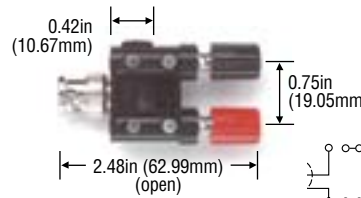
### BNC Female to Stackable Binding Posts



**Model# 1452**

**Rating:** Maximum voltage for hands free use: 500 Vrms\*, +122°F (+50°C) max.

### BNC Male to Stackable Isolated Binding Posts with 4 Terminals



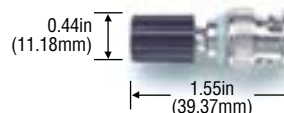
**Model# 1469**

4 solder turrets for component attachments.

Use to make your own attenuator, balun, or filter.

**Rating:** Maximum voltage for hands free use: 500 Vrms\*, +131°F (+55°C) max.

### BNC Male with Binding Post

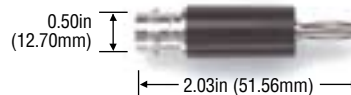


**Model# 3430-\***

**Rating:** Maximum voltage for hands free use: 500 Vrms\*, +239°F (+115°C) max.

**\*Std. Colors:** -0 Black, -2 Red.

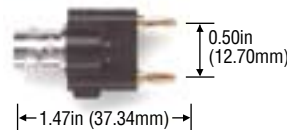
### BNC Female to Single Banana Plug



**Model# 1894**

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +122°F (+50°C) max.

### BNC Female to Miniature Double Banana Plug



**Model# 3269**

Allows a BNC male to be used with equipment having 0.50in (12.70mm) spaced miniature banana jacks.

**Rating:** Maximum voltage for hands free use: 500 Vrms\*, +122°F (+50°C) max.

### BNC Male to Miniature Stackable Binding Posts

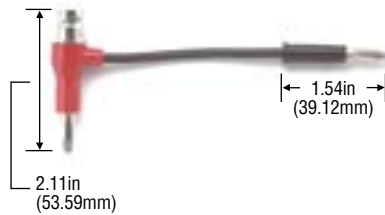


**Model# 3296**

Binding posts also accept miniature double banana plugs.

**Rating:** Maximum voltage for hands free use: 500 Vrms\*, +122°F (+50°C) max.

## BNC Female to Single Banana Plug with Ground Lead



**Model# 4684**

Use with equipment having banana plugs or binding posts with non-standard spacing.

18 AWG Ground wire, 2.5in (63.50mm) long.

**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, +131°F (+55°C) max.

## BNC Male/Female with DC-Blocking Series Capacitor



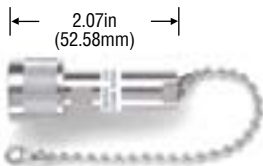
**Model# 5297**

Use for sensitive RF measurements.

**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, +216°F (+102°C) max.

**Capacitor:** 1000 pF, 600 Vdc.

## Type N Male Terminator Plugs

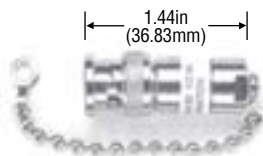


| Model#  | Ω  |
|---------|----|
| 4240-50 | 50 |

**Rating:** Frequency Range DC to 500 MHz, Power: 1W @ 158°F (70°C) max.

**Accuracy:** 1%.

## BNC Male Terminator Plugs

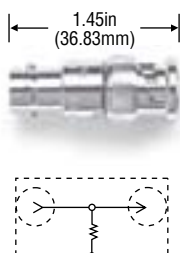


| Model#  | Ω  |
|---------|----|
| 3840-50 | 50 |
| 3840-75 | 75 |

**Rating:** Frequency range dc to 500MHz, power .5W @ 158°F (70°C) max.

**Accuracy:** 1%.

## BNC Feed-Thru Termination



| Model#   | Ω   |
|----------|-----|
| 4119-50  | 50  |
| 4119-75  | 75  |
| 4119-93  | 93  |
| 4119-600 | 600 |

**Rating:** 2W Carbon film resistor.

**Accuracy:** 2%.

**Frequency Range:** DC to 500 MHz, +216°F (+102°C) max.

## BNC 50Ω Attenuator



| Model#    | dB   |
|-----------|------|
| 4108-3dB  | 3dB  |
| 4108-6dB  | 6dB  |
| 4108-10dB | 10dB |
| 4108-14dB | 14dB |
| 4108-20dB | 20dB |

**Rating:** 2W Avg. @ 77°F (25°C) max.

50Ω impedance. Metal film resistor attenuator.

## BNC In-Series Resistor Attenuator



| Model#   | Ω   |
|----------|-----|
| 4391-25  | 25  |
| 4391-50  | 50  |
| 4391-75  | 75  |
| 4391-600 | 600 |

**Rating:** Frequency Range DC to 500 MHz, +216°F (+102°C) max.

Add series resistance to coaxial lines.

1%, 2W, non-inductive film resistor.

## BNC Within Series Adapter Kit



**Model# 5511**

An assortment of Pomona's popular BNC within series adapters.

**Kit contains one each:**

BNC Female to Female 3283  
BNC T (Female/Female/Female) 3284  
BNC T (Female/Male/Female) 3285  
BNC Male to Male 3533  
BNC Right Angle Male to Female 3534  
BNC T (Male/Female/Female) 4896

## BNC Shorting Cap or Dust Cap for BNC Female



| Model# | Type         |
|--------|--------------|
| 5085   | Shorting cap |
| 3839   | Dust cap     |

Shorting cap provides protection and supplies a short across an input.

Dust cap protects sensitive instrument inputs and is non-shorting.

Tarnish resistant plating.

3in (76.20mm) long chain.

\*see rating message at start of section.

## BNC Straight RF Plugs



Fig. 1: Compression Style



Fig. 3: Crimp Style

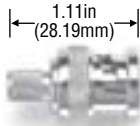


Fig. 2: Crimp Style

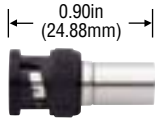


Fig. 4: Crimp Style

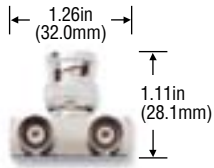
**Rating:** Maximum voltage for *hands free use*: 500 Vrms.

**BNC:** *Body*: tarnish resistant nickel-plated brass; *Center Contact*: male: gold-plated brass; female: gold-plated beryllium copper; *Dielectric*: PTFE.

**\*Performance:** 4 GHz with VSWR of 1.3 maximum from 0 to 4GHz.

| Model#                     | Type    | Fig. | Cable Group RG __/U BNC                                         |
|----------------------------|---------|------|-----------------------------------------------------------------|
| <b>50Ω Impedance</b>       |         |      |                                                                 |
| 4488                       | BNC (m) | 1    | 142, 142A, 142B, 223, 58, 58A, 58C, 5B, 5BA, 5BC, 8C, 141, 141A |
| 4997                       | BNC (m) | 1    | RG58 only                                                       |
| <b>50Ω Impedance Crimp</b> |         |      |                                                                 |
| 5307                       | BNC (m) | 1    | 174, 174A, 179B, 187, 187A, 188, 188A, 316                      |
| 5285                       | BNC (m) | 2    | RG58, 58A, 58C, 141, 141A                                       |
| 5344                       | BNC (f) | 3    | 58, 58A, 58C, 141, 141A                                         |
| 7035*                      | BNC (m) | 2    | RG55A, 142, 142A, 223, 400                                      |
| 7040*                      | BNC (m) | 2    | RG179, 179B, 187, 187A, 174, 188, 188A, 316                     |
| 7207*                      | BNC (m) | 1    | RG-223                                                          |
| <b>75Ω Impedance</b>       |         |      |                                                                 |
| 5286                       | BNC (m) | 2    | 59, 59A, 59B, 62, 62A, 62B, 62C, 210                            |
| 6702A                      | BNC (m) | 4    | 59B, 20 AWG, Belden 1505A                                       |
| 6703A                      | BNC (m) | 4    | 6B, 18 AWG, Belden 1694A                                        |
| 6704A                      | BNC (m) | 4    | 59B, 23 AWG                                                     |
| 6746A                      | BNC (m) | 1    | 59, 59A, 59B, 62, 210, Belden 8241, 8263                        |
| 6752A                      | BNC (m) | 2    | 59A, 59B, 62, 210, Belden 8241, 8263                            |
| 7042                       | BNC (m) | 2    | Belden 1407B, 1417B, 1164B, 1167B, 1418B, 11467B, 11865A        |

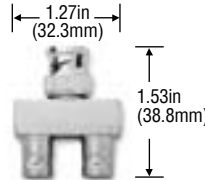
## BNC within Series Adapters



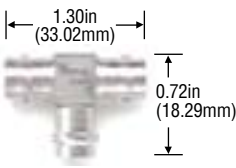
6701



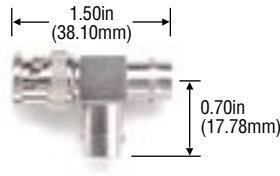
3534



6700/6754



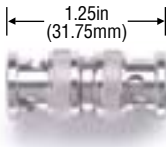
3284/6738



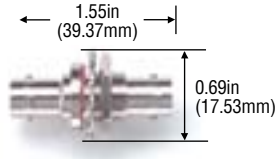
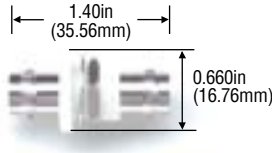
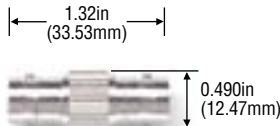
4896



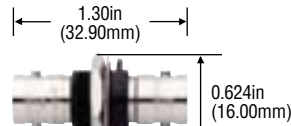
3285/6739



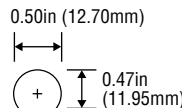
3533/6740


3847/6744  
See Cutout

3846  
See Cut-Out


3283/6737



6705


Panel Cut-Out for  
3846/3847/6744

| Model#               | Type        | Special Features        |
|----------------------|-------------|-------------------------|
| <b>50Ω Impedance</b> |             |                         |
| 3283                 | BNC (f/f)   |                         |
| 3533                 | BNC (m/m)   |                         |
| 3285                 | BNC (f/m/f) |                         |
| 3284                 | BNC (f/f/f) |                         |
| 4896                 | BNC (m/f/f) |                         |
| 3534                 | BNC (f/m)   | Right Angle             |
| 3847                 | BNC (f/f)   | Hermetically Sealed (b) |
| 3846                 | BNC (f/f)   | Isolated Ground (a)     |
| 6700                 | BNC (f/m/f) | In-line                 |
| 6701                 | BNC (f/m/f) | Right Angle             |
| <b>75Ω Impedance</b> |             |                         |
| 6705                 | BNC (f/f)   | Isolated Ground (a)     |
| 6737                 | BNC (f/f)   |                         |
| 6738                 | BNC (f/f/f) |                         |
| 6739                 | BNC (f/m/f) |                         |
| 6740                 | BNC (m/m)   |                         |
| 6744                 | BNC (f/f)   | Hermetically Sealed (b) |
| 6754                 | BNC (f/m/f) | In-line                 |

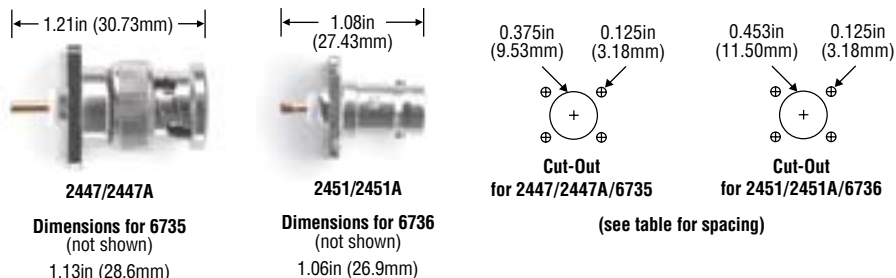
**Notes:** (a) Mounting hardware is isolated from outer conductor of BNC, (b) Leakage rate less than  $10^{-7}$  cc/sec of tracer gas at one atmosphere.

**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, -85°F to +329°F (-65°C to +165°C).

**BNC:** *Shell*: tarnish resistant nickel-plated brass; *Center Contact*: male: gold-plated brass; female: gold-plated beryllium copper; *Dielectric*: PTFE.

**Bandwidth:** to 4 GHz.

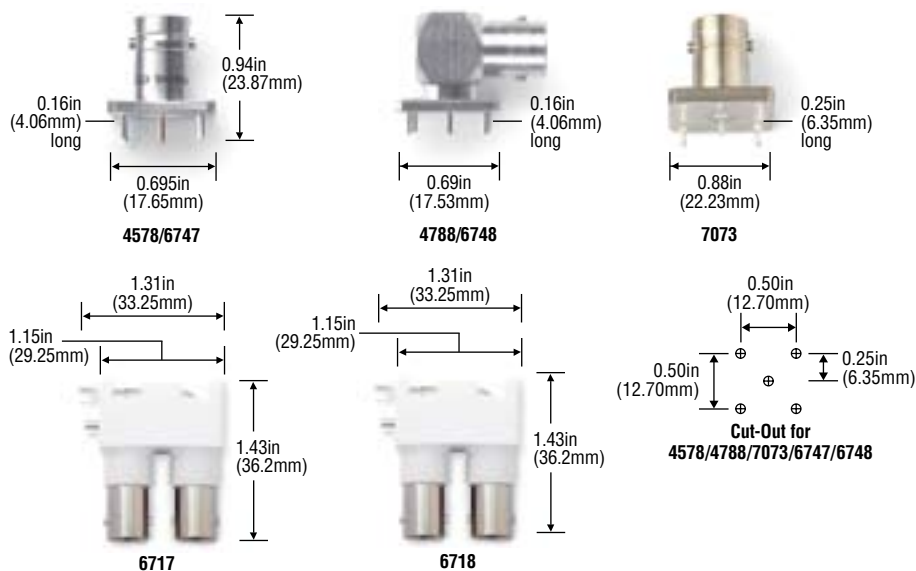
## BNC Panel Receptacles



| Model#               | Type    | Spacing                                         |
|----------------------|---------|-------------------------------------------------|
| <b>50Ω Impedance</b> |         |                                                 |
| 2447                 | BNC (m) | 0.531in (13.46mm) hole spacing center to center |
| 2451                 | BNC (f) | 0.531in (13.46mm) hole spacing center to center |
| 2447A                | BNC (m) | 0.50in (12.70mm) hole spacing center to center  |
| 2451A                | BNC (f) | 0.50in (12.70mm) hole spacing center to center  |
| <b>75Ω Impedance</b> |         |                                                 |
| 6735                 | BNC (m) | 0.50in (12.70mm) hole spacing center to center  |
| 6736                 | BNC (f) | 0.531in (13.46mm) hole spacing center to center |

**BNC:** Shell: tarnish resistant nickel-plated brass; Center Contact: male: gold-plated brass; female: gold-plated beryllium copper; Dielectric: PTFE.

## BNC Female PCB Mount

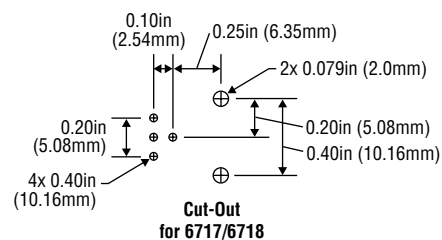


| Model#               | Type         | Material    |
|----------------------|--------------|-------------|
| <b>50Ω Impedance</b> |              |             |
| 4578                 | Vertical BNC |             |
| 4788                 | R/A BNC      | Brass       |
| 6717                 | Dual R/A BNC | White Valox |
| 7073*                | Straight     | Brass       |
| <b>75Ω Impedance</b> |              |             |
| 6718                 | BNC (f)      | White Valox |
| 6747                 | BNC (f)      | Vertical    |
| 6748                 | BNC (f)      | Right Angle |

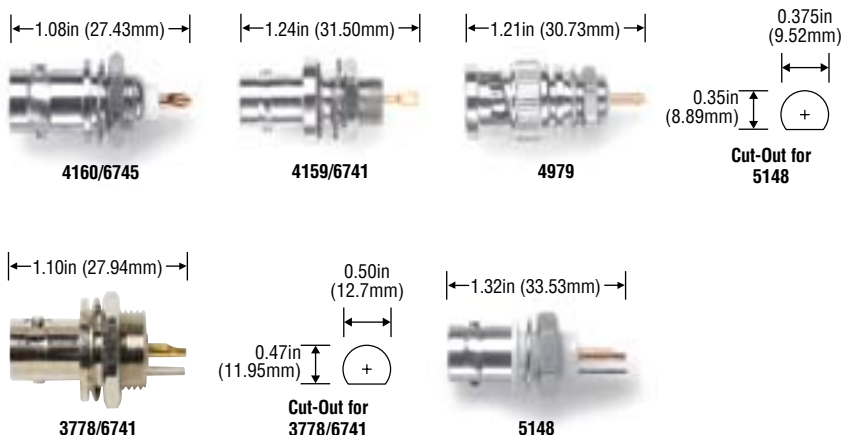
**Rating:** Maximum voltage for hands free use: 500 Vrms\*, Impedance: 50Ω, -85 to +329°F (+165 to -65°C)

**BNC:** Body: tarnish resistant nickel-plated brass; Contact: gold-plated beryllium copper. Dielectric: PTFE.

\*Performance: 4 GHz with Vswr of 1.3 maximum from 0 to 4GHz.



## BNC Bulkhead Receptacles



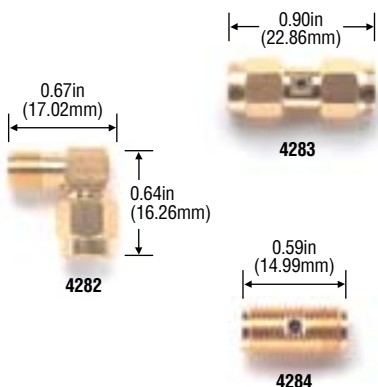
| Model#               | Type    | Special Features                   | Max. Panel Thickness |
|----------------------|---------|------------------------------------|----------------------|
| <b>50Ω Impedance</b> |         |                                    |                      |
| 3778                 | BNC (f) | Isolated Ground, Teflon Insulation | 0.18in (4.57mm)      |
| 5148                 | BNC (f) | Isolated Ground, Valox Insulation  | 0.175in (4.45mm)     |
| 4159                 | BNC (f) | Hermetically Sealed*               | 0.37in (9.40mm)      |
| 4160                 | BNC (f) |                                    | 0.10in (2.54mm)      |
| 4979                 | BNC (m) |                                    | 0.19in (4.83mm)      |
| <b>75Ω Impedance</b> |         |                                    |                      |
| 6741                 | BNC (f) | Isolated Ground                    |                      |
| 6745                 | BNC (f) |                                    |                      |

\* Leakage rate less than 10<sup>-7</sup> cc/sec of tracer gas at one atmosphere.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: male: gold-plated brass; female: gold-plated beryllium copper (except as noted); Dielectric: PTFE.

Mounting hardware is isolated from outer conductor of BNC.

## SMA within Series Adapters

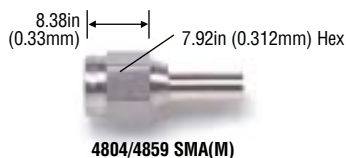


| Model# | Type                        |
|--------|-----------------------------|
| 4282   | SMA (f) to (m), Right Angle |
| 4283   | SMA (m) to (m)              |
| 4284   | SMA (f) to (f)              |

**SMA:** Shell: gold-plated brass; Center Contacts: gold-plated brass; Dielectric: PTFE.

**Frequency Range:** 4283, 4284: 186Hz; 4282: 12GHz.

## SMA Connector



4804/4859 SMA(M)



4805 SMA(F)

| Model# | Fits Cable Types |
|--------|------------------|
| 4804   | RG174, 179, 187  |
| 4805   | RG188, 316       |
| 4859   | RG55, 142        |

Supplied with center conductor and sleeve.

**Impedance:** 50Ω.

**SMA:** Shell: passivated steel; Dielectric: PTFE.

## SMA Male Terminator Plug



0.31in (7.87mm) Hex

**Model# 4286**

**Rating:** Maximum voltage for hands free use: 335 Vrms\*.

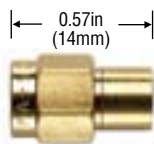
**Impedance:** 50Ω 1/2 W., 1%.

**VSWR:** 1.25 max. to 18GHz, 1/2 W, 85°F to +329°F (65°C to +165°C).

Resistor Terminator.

Gold-plated stainless steel with Teflon insulation.

## SMA Plug, 50Ω Termination



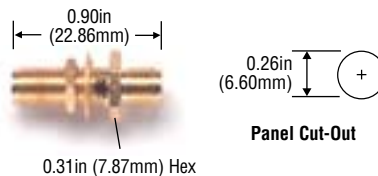
**72975**

**Bandwidth:** 0-12.4 GHz on flexible cable.

**Rating:** For CE compliance and personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 500 Vpeak. RG58, 141, 143; 375 Vpeak: RG174, 188, 316. Do not use on circuits where transient stresses can exceed the rated voltage.

**Materials:** Body: machined brass, gold-plated finish; Center Contacts: plug: gold-plated brass; jack: gold-plated beryllium copper.

## SMA Female to Female Bulkhead Receptacle



Panel Cut-Out

**Model# 4285**

**SMA:** Shell: gold plated brass; Center Contacts: gold plated brass; Dielectric: PTFE.

## SMA Shorting Cap

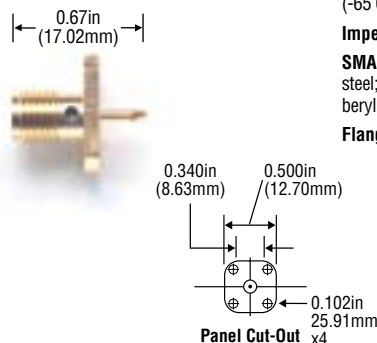


**Model# 5088**

Screw onto SMA female. Protects sensitive instrument inputs or provides a necessary reference short.

**SMA:** Shell: gold plated; Center Contacts: gold-plated steel.

## SMA Female Panel Receptacle



**Model# 4850**

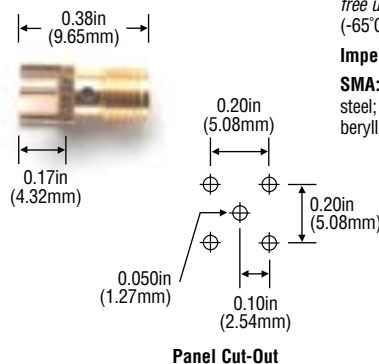
**Rating:** Maximum voltage for hands free use: 335 Vrms\*, -85°F to +329°F (-65°C to +165°C).

**Impedance:** 50Ω.

**SMA:** Body: gold-plated stainless steel; Center Contact: gold-plated beryllium copper; Dielectric: PTFE.

**Flange thickness:** 0.065in (1.65mm).

## SMA PCB Mounting Female



Panel Cut-Out

**Model# 4959**

**Rating:** Maximum voltage for hands free use: 335 Vrms\*, -85°F to 329°F (-65°C to +165°C).

**Impedance:** 50Ω.

**SMA:** Body: gold-plated stainless steel; Center Contact: gold-plated beryllium copper; Dielectric: PTFE.

## RF SMA Connectors



**Bandwidth:** 0-12.4 GHz on flexible cable. (see data sheet on website)

**Rating:** For CE compliance and personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 500 Vpeak: RG58, 141, 143; 375 Vpeak: RG174, 188, 316. Do not use on circuits where transient stresses can exceed the rated voltage.

**Materials:** Body: machined brass, gold-plated finish; Center Contacts: plug: gold-plated brass; jack: gold-plated beryllium copper.

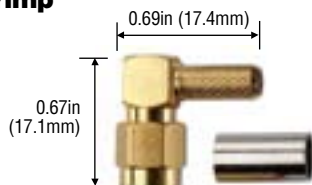
Above specifications apply to the models on this page

### SMA 50Ω Plug



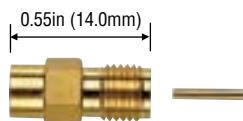
| Model# | Description                         | Cable Group<br>RG /U |
|--------|-------------------------------------|----------------------|
| 72943  | Straight Crimp                      | 58                   |
| 72944  | Straight Crimp                      | 141                  |
| 72945  | Straight Crimp                      | 142, 400             |
| 72946  | Straight Crimp                      | 174, 188, 316        |
| 72950  | Straight Crimp,<br>Reverse Polarity | 174, 188, 316        |

### SMA 50Ω Plug, Right-Angle Crimp



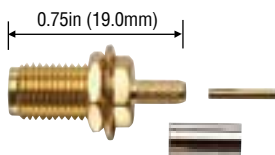
| Model# | Cable Group<br>RG /U  |
|--------|-----------------------|
| 72958  | 58                    |
| 72959  | 141, 174, 188,<br>316 |
| 72960  | 142, 400              |

### SMA 50Ω Jack, Straight Crimp



| Model# | Cable Group<br>RG /U |
|--------|----------------------|
| 72952  | 141                  |
| 72953  | 142, 400             |
| 72954  | 174, 188, 316        |

### SMA 50Ω Jack, Bulkhead Crimp



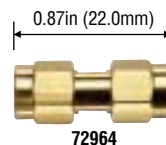
| Model# | Cable Group<br>RG /U  |
|--------|-----------------------|
| 72956  | 174, 178, 188,<br>316 |

### SMA 50Ω Jack, Panel Receptacle

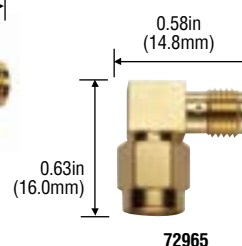


| Model# | Description |
|--------|-------------|
| 72961  | 2 Hole      |
| 72962  | 4 Hole      |

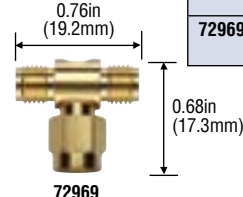
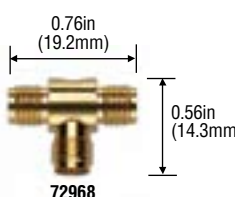
### SMA 50Ω Within Series Adapters



| Model# | Description                  |
|--------|------------------------------|
| 72964  | Plug (m/m)                   |
| 72965  | Right-Angle Plug to Jack     |
| 72966  | Jack (f/f)                   |
| 72967  | Jack, Reverse Polarity (f/f) |
| 72973  | Jack (f) to Jack (f)         |
| 72974  | Jack to Reverse SMA Plug     |

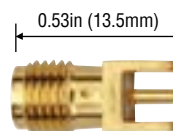


### SMA 50Ω T Type

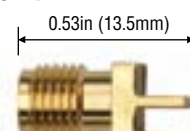


| Model# | Description                    |
|--------|--------------------------------|
| 72968  | Jack (f)/<br>Jack (f)/Jack (f) |
| 72969  | Jack (f)/Plug (m)/<br>Jack (f) |

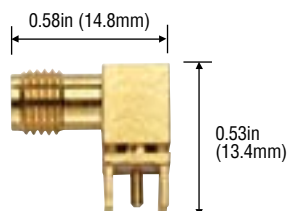
### SMA 50Ω Jack, Straight PCB Receptacle



### SMA 50Ω Jack, Straight PCB Receptacle Edge Mount



### SMA 50Ω Jack, Right-Angle PCB Receptacle



## RF SMB Connectors



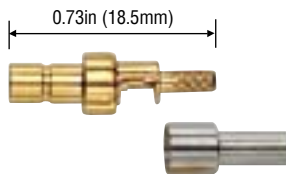
**Bandwidth:** 3-4 GHz, depending upon connector. (see data sheet on website)

**Rating:** For CE compliance and personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 250 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage.

**Materials:** Body: machined brass, gold-plated finish; Center Contacts: plug: gold-plated brass; jack: gold-plated beryllium copper.

Above specifications apply to the models on this page except 5375

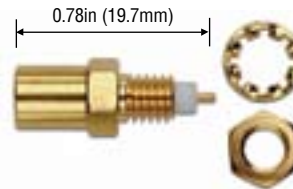
## SMB Plug, Straight Crimp



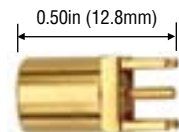
| Model# | $\Omega$ | Cable Group<br>RG /U |
|--------|----------|----------------------|
| 72983  | 50       | 178, 196             |
| 72984  | 50       | 174, 188, 316        |
| 72985  | 75       | 179, 187             |

SMB 50 $\Omega$  Jack, Panel Receptacle

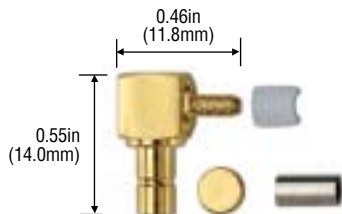
72999

SMB 50 $\Omega$  Jack, Straight PCB Receptacle

72995



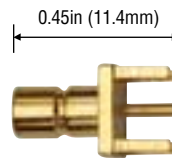
## SMB Plug, Right-Angle Crimp



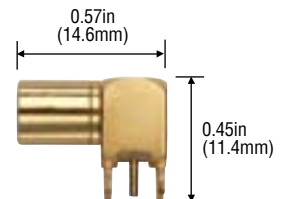
| Model# | $\Omega$ | Cable Group<br>RG /U |
|--------|----------|----------------------|
| 72991  | 50       | 178, 196             |
| 72992  | 50       | 174, 188, 316        |
| 72993  | 75       | 179, 187             |

SMB 50 $\Omega$  Plug, Straight PCB Receptacle

72996

SMB 50 $\Omega$  Jack, Right-Angle PCB Receptacle

72997



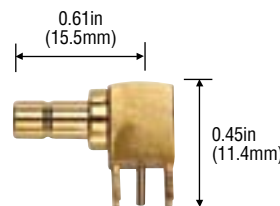
## SMB Jack, Straight Crimp



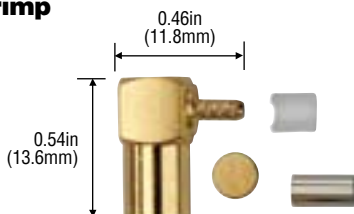
| Model# | $\Omega$ | Cable Group<br>RG /U |
|--------|----------|----------------------|
| 72980  | 50       | 178, 196             |
| 72981  | 50       | 174, 188, 316        |
| 72982  | 75       | 179, 187             |

SMB 50 $\Omega$  Plug, Right-Angle PCB Receptacle

72998

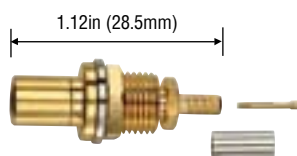


## SMB Jack, Right-Angle Crimp



| Model# | $\Omega$ | Cable Group<br>RG /U |
|--------|----------|----------------------|
| 72987  | 50       | 178, 196             |
| 72988  | 50       | 174, 188, 316        |
| 72989  | 75       | 179, 187             |

## SMB Jack, Bulkhead



| Model# | $\Omega$ | Cable Group<br>RG /U |
|--------|----------|----------------------|
| 73000  | 50       | 174, 188, 316        |
| 73001  | 75       | 179, 187             |

## SMB Female Connector Crimp Type

Model# 5375



This SMB (Subminiature "B") connector snap together for quick assembly.

**Fit Cable Types:** RG174, 179, 187, 188, 316

**Rating:** Maximum voltage for hands free use: 335 Vrms\*, -85°F to +329°F (-65°C to +165°C).

**Impedance:** 50 $\Omega$ .

**Frequency Range:** DC to 4GHz.

**SMB:** Shell: tarnish resistant nickel-plated brass; Contact: male: gold-plated brass; female: gold-plated beryllium copper; Dielectric: PTFE.

## RF MCX Connectors



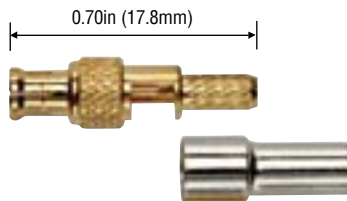
**Bandwidth:** 3-6 GHz, depending upon connector. (see data sheet on website.)

**Working Voltage:** For CE compliance and personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 170 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage.

**Materials:** Body: brass, gold-plated finish; Center Contacts: plug: gold-plated brass; jack: gold-plated beryllium copper.

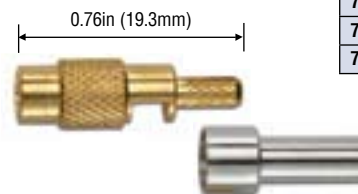
Above specifications apply to the models on this page

### MCX Plug, Straight Crimp



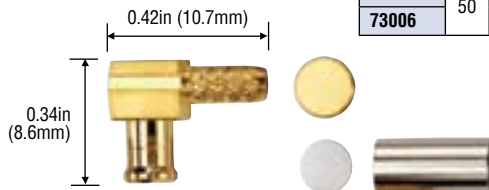
| Model# | $\Omega$ | Cable Group<br>RG _/U |
|--------|----------|-----------------------|
| 73002  | 50       | 174, 316              |
| 73003  |          | 178                   |
| 73004  | 75       | 179                   |

### MCX Jack, Straight Crimp



| Model# | $\Omega$ | Cable Group<br>RG _/U |
|--------|----------|-----------------------|
| 73010  | 50       | 174, 316              |
| 73011  |          | 178                   |
| 73012  | 75       | 179                   |

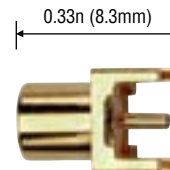
### MCX Plug, Right-Angle Crimp



| Model# | $\Omega$ | Cable Group<br>RG _/U |
|--------|----------|-----------------------|
| 73005  | 50       | 174, 316              |
| 73006  |          | 178                   |

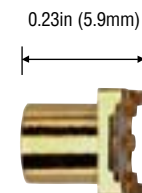
### MCX 50 $\Omega$ Jack, Straight PCB Receptacle

73007

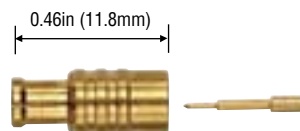


### MCX 50 $\Omega$ Jack, Straight Surface Mount Receptacle

73018



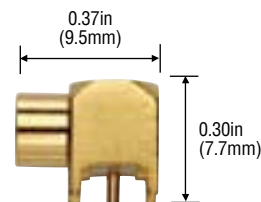
### MCX Plug, Straight Semi-Rigid Crimp



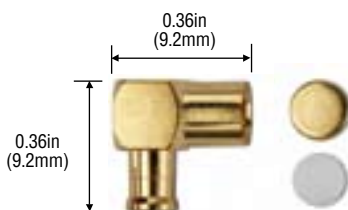
| Model# | $\Omega$ | Cable Group<br>RG _/U |
|--------|----------|-----------------------|
| 73014  | 50       | 402                   |
| 73015  |          | 405                   |

### MCX 50 $\Omega$ Jack, Right-Angle PCB Receptacle

73008



### MCX Plug, Right-Angle Semi-Rigid Crimp



| Model# | $\Omega$ | Cable Group<br>RG _/U |
|--------|----------|-----------------------|
| 73016  | 50       | 402                   |
| 73017  |          | 405                   |



**Bandwidth:** 3-6 GHz, depending upon connector. (see data sheet on website.)

**Working Voltage:** For CE compliance and personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 170 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage.

**Materials:** Body: brass, gold-plated finish; Center Contacts: plug: gold-plated brass; jack: gold-plated beryllium copper.

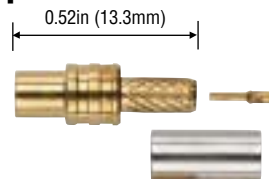
Above specifications apply to the models on this page

## MMCX 50Ω Plug, Straight Crimp



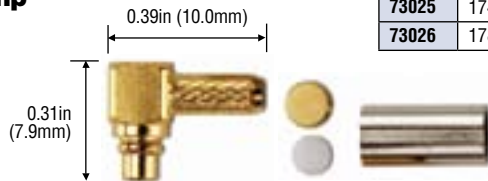
| Model# | Cable Group<br>RG_/U |
|--------|----------------------|
| 73023  | 174, 316             |
| 73024  | 178                  |

## MMCX 50Ω Jack, Straight Crimp



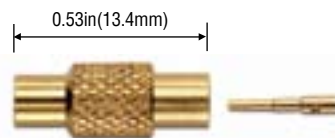
| Model# | Cable Group<br>RG_/U |
|--------|----------------------|
| 73029  | 174, 316             |
| 73030  | 178                  |

## MMCX 50Ω Plug, Right-Angle Crimp



| Model# | Cable Group<br>RG_/U |
|--------|----------------------|
| 73025  | 174, 316             |
| 73026  | 178                  |

## MMCX 50Ω Jack, Straight Semi-Rigid Crimp



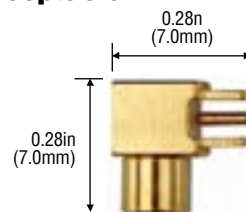
| Model# | Cable Group<br>RG_/U |
|--------|----------------------|
| 73037  | 405                  |

## MMCX 50Ω Plug, Straight Semi-Rigid Crimp



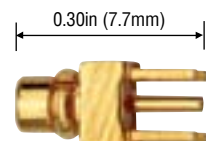
| Model# | Cable Group<br>RG_/U |
|--------|----------------------|
| 73034  | 402                  |
| 73035  | 405                  |

## MMCX 50Ω Jack, Right-Angle PCB Receptacle



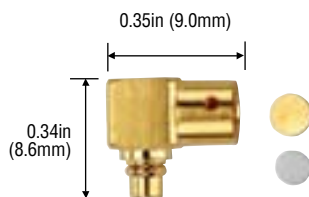
73028

## MMCX 50Ω Plug, Straight Edgecard



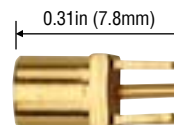
73038

## MMCX 50Ω Plug, Right-Angle Semi-Rigid Crimp



| Model# | Cable Group<br>RG_/U |
|--------|----------------------|
| 73032  | 174, 316             |
| 73033  | 405                  |

## MMCX 50Ω Jack, Straight Edgecard



73039

## Type N Adapters



| Model# | Type      |
|--------|-----------|
| 3841   | N (f/f)   |
| 3842   | N (m/m)   |
| 3843   | N (f/m)   |
| 5089   | N (f/f/f) |

**N:** Body: bronze-plated white brass; Center Contact: male: gold-plated brass; female: gold-plated beryllium copper; Dielectric: PTFE.

**Impedance:** 50Ω.

**Rating:** Maximum voltage for *hands free use*: 1,000 Vrms\*.

## Type N Male Straight RF Connector Crimp



**Model# 7057**

**Fit Cable Types:** RG55, 142, 223, 400.

**Impedance:** 50Ω.

**N:** Body: bronze-plated white brass; Center Contact: male: gold-plated brass; female: gold-plated heat treated beryllium copper; Dielectric: PTFE.

**Performance:** 11 GHz with Vswr of 1.3 maximum from 0 to 11 GHz.

Use with crimp die set model 7281, crimp tool model 7277.

## Type N Male Connectors



**Model# 4787**

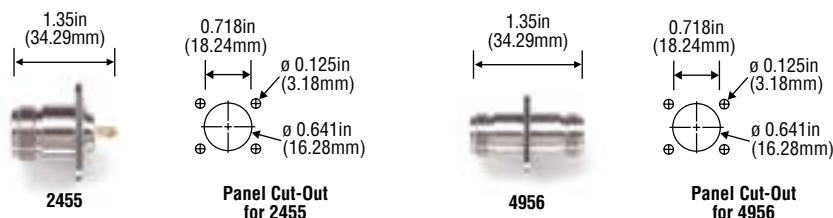
**Fit Cable Types:** RG58 and 142, 223, 141.

**N:** Body: bronze-plated white brass; Center Contact: male: gold-plated brass; female: gold-plated beryllium copper; Dielectric: PTFE.

**Impedance:** 50Ω.

**Rating:** Maximum voltage for *hands free use*: 1,000 Vrms\*.

## Type N Panel Mount Receptacle



| Model# | Type  |
|--------|-------|
| 2455   | N (f) |
| 4956   | N (f) |

**N:** Body: bronze-plated white brass; Center Contact: female: gold-plated beryllium copper; Dielectric: PTFE.

**Impedance:** 50Ω.

**Rating:** Maximum voltage for *hands free use*: 1,000 Vrms\*.

## BNC Male with Strain Relief Boot



Make your own cable with strain relief.

5076: Black boot with nut only.

For use with connectors using a 7/16-28 clamp nut. Simply replace supplied nut with the one on the boot.

**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, +122°F (+50°C) max.

| Model# | Fits Cable Types | For Cable O.D.                         |
|--------|------------------|----------------------------------------|
| 5066-* | RG 58, 141       | 0.185in - 0.200in<br>(4.70mm - 5.08mm) |
| 5068-* | RG 174, 187, 188 | 0.090in - 0.110in<br>(2.29mm - 2.79mm) |
| 5076-* | RG 58, 141       | 0.185in - 0.200in<br>(4.70mm - 5.08mm) |

\*Available in -0 black only

## Strain Relief Boot



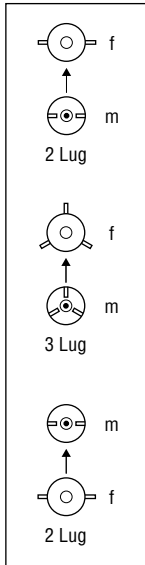
**Rating:** +122°F (+50°C) Max.

Use with crimp type connectors.

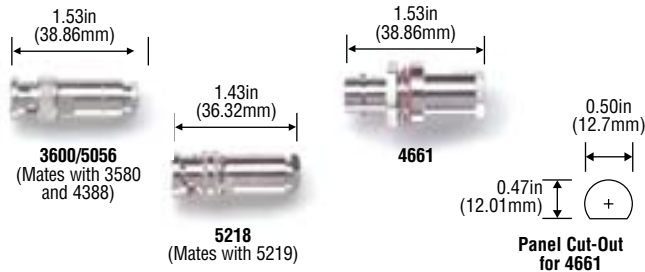
Sold in packages of 10.

\*Std. Colors: -0 Black, -2 Red

| Model# | Fits Cable Types | For Cable O.D.                        |
|--------|------------------|---------------------------------------|
| 5155-* | RG 58, 141       | 0.185in - .200in<br>(4.70mm - 5.08mm) |
| 5156-* | RG 59, 62, 210   | 0.237in - .247in<br>(6.02mm - 6.27mm) |
| 5157-* | RG 174, 187, 188 | 0.090in - .110in<br>(2.29mm - 2.79mm) |



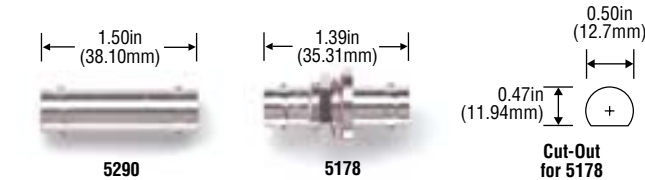
## Triaxial Cable Plugs and Jacks



| Model# | Lugs      | Max. Panel Thickness | Fits Cable Types                               |
|--------|-----------|----------------------|------------------------------------------------|
| 3600   | 2 Lug (m) |                      | Belden twinaxial 9272<br>0.242in (6.15mm) O.D. |
| 4661   | 2 Lug (f) | 0.14in (3.56mm)      | Microdot 293-3930<br>0.175in (4.45mm) O.D.     |
| 5056   | 2 Lug (m) |                      | Belden triaxial 9222<br>0.242in (6.15mm) O.D.  |
| 5218   | 3 Lug (m) |                      |                                                |

**Triaxial:** Body/Fittings: tarnish resistant nickel-plated brass; Center Contact: male: gold-plated brass; female: gold-plated beryllium copper; Outer Contact: gold-plated beryllium copper; Dielectric: PTFE.

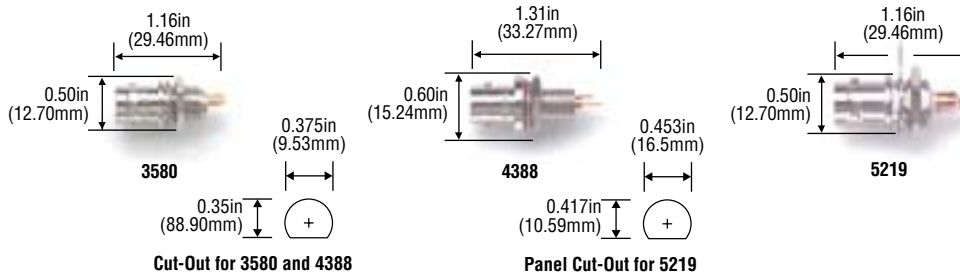
## Triaxial Adapters



| Model# | Lugs      | Max. Panel Thickness |
|--------|-----------|----------------------|
| 5178   | 2 Lug (f) | 0.25in (6.35mm)      |
| 5290   | 2 Lug (f) |                      |

**Triaxial:** Body/Fittings: tarnish resistant nickel-plated brass; Center Contact: female: gold-plated beryllium copper; Outer Contact: gold-plated beryllium copper; Dielectric: PTFE.

## Triaxial Female Bulkhead Receptacles



| Model# | Lugs      | Max. Panel Thickness |
|--------|-----------|----------------------|
| 3580   | 2 lug (f) | 0.25in (6.35mm)      |
| 4388*  | 2 lug (f) | 0.25in (6.35mm)      |
| 5219   | 3 lug (f) | 0.14in (3.56mm)      |

\*Hermetically sealed leakage less than 10-7 cc/sec tracer gas at one atmosphere.

**Triaxial:** Body/Fittings: tarnish resistant nickel-plated brass; Center Contact: female: gold-plated beryllium copper; Outer Contact: gold-plated beryllium copper; Dielectric: PTFE.

## Twinax Cable Plug

Model# 4957

Use on twinaxial cable types RG108 and Belden 9272. Polarized Contact (One Male, One Female).

**Rating:** Maximum voltage for hands free use: 500 Vrms\*, -85 to +329°F (-65 to +165°C).

**Material:** Body: tarnish resistant nickel-plated brass; Contact: male: gold-plated brass; female: gold-plated beryllium copper; Dielectric: PTFE.



## Twinax Bulkhead Receptacle

Model# 4958

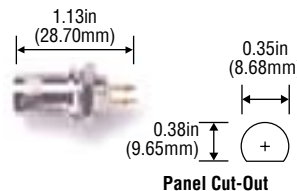
Max. Panel Thickness

0.13in (3.30mm)

**Rating:** Maximum voltage for hands free use: 500 Vrms\*, -85 to +329°F (-65 to +165°C).

Polarized Contact (One Male, One Female).

**Material:** Body: tarnish resistant nickel-plated brass; Contact: male: gold-plated Bbrass; female: gold-plated beryllium copper; Dielectric: PTFE.

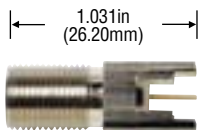


## F PCB Mount Connectors

Model# 6803

F (F) PCB Edge Mount.

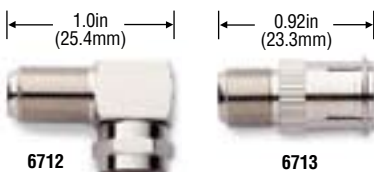
Designed for fast installation with no crimping. Simply strip cable and push connector on. Precision machined brass with gold plating.



## F within Series Adapters

| Model# | Type                     |
|--------|--------------------------|
| 6712   | F (m/f) Right angle      |
| 6713   | F (m/f) In line, Push-on |

**Material:** Machined, nickel-plated brass



## F Female to Female Bulkhead Receptacle

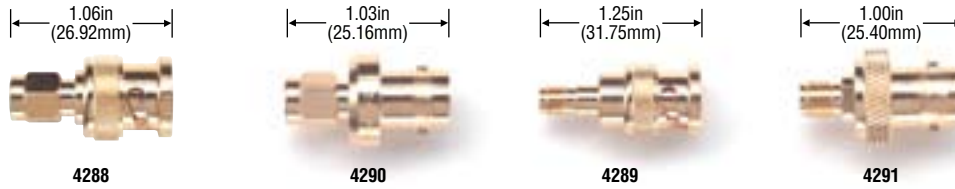
Model# 6706

In line, with nut and washer

**Material:** Machined, nickel-plated brass.



## SMA to BNC



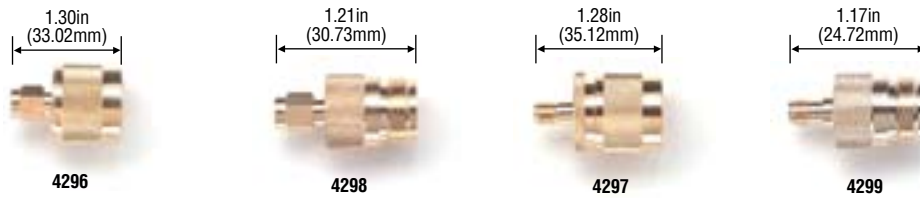
| Model# | Type               |
|--------|--------------------|
| 4288   | SMA (m) to BNC (m) |
| 4290   | SMA (m) to BNC (f) |
| 4289   | SMA (f) to BNC (m) |
| 4291   | SMA (f) to BNC (f) |

**Rating:** Maximum voltage for *hands free* use: 335 Vrms\*.

**Impedance:** 50Ω.

**SMA:** *Shell:* gold-plated brass; *Center Contacts:* male: gold-plated brass; female: gold-plated beryllium copper; *Dielectric:* PTFE.

## SMA to Type N



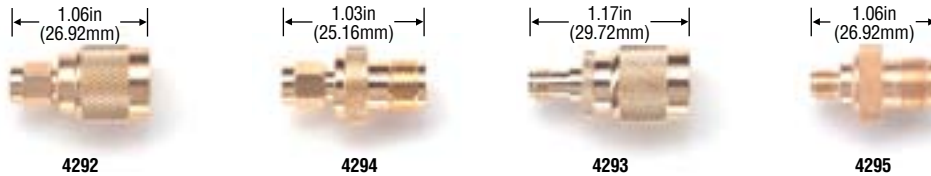
| Model# | Type                  |
|--------|-----------------------|
| 4296   | SMA (m) to type N (m) |
| 4298   | SMA (m) to type N (f) |
| 4297   | SMA (f) to type N (m) |
| 4299   | SMA (f) to type N (f) |

**Rating:** Maximum voltage for *hands free* use: 335 Vrms\*.

**Impedance:** 50Ω.

**Material:** *Shell:* gold-plated brass; *Center Contacts:* gold-plated brass; *Dielectric:* PTFE.

## SMA to TNC



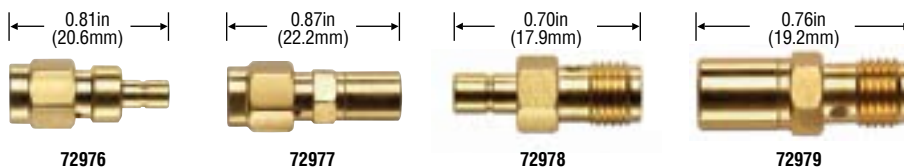
| Model# | Type               |
|--------|--------------------|
| 4292   | SMA (m) to TNC (m) |
| 4294   | SMA (m) to TNC (f) |
| 4293   | SMA (f) to TNC (m) |
| 4295   | SMA (f) to TNC (f) |

Maximum voltage for *hands free* use: 335 Vrms\*.

**Impedance:** 50Ω.

**Material:** *Shell:* gold-plated brass; *Center Contacts:* gold-plated brass; *Dielectric:* PTFE.

## SMA to SMB



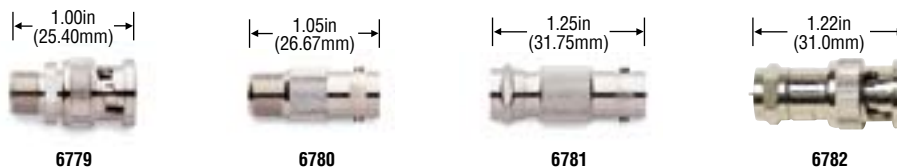
| Model# | Type               | Ω  |
|--------|--------------------|----|
| 72976  | SMA (m) to SMB (m) | 50 |
| 72977  | SMA (m) to SMB (f) |    |
| 72978  | SMA (f) to SMB (m) |    |
| 72979  | SMA (f) to SMB (f) |    |

**Bandwidth:** 0-12.4 GHz on flexible cable.

**Rating:** For CE compliance and personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free* use: 500 Vpeak: RG58, 141, 143; 375 Vpeak: RG174, 188, 316. Do not use on circuits where transient stresses can exceed the rated voltage.

**Materials:** *Body:* machined brass, gold-plated finish; *Center Contacts:* plug: gold-plated brass; jack: gold-plated beryllium copper.

## BNC to F

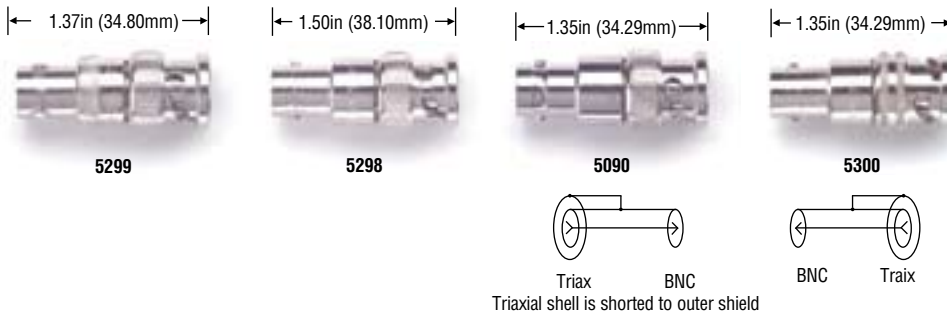


| Model# | Type          |
|--------|---------------|
| 6779   | BNC (m)/F (f) |
| 6780   | BNC (f)/F (f) |
| 6781   | F (m)/BNC (f) |
| 6782   | BNC (m)/F (m) |

**BNC:** *Shell:* tarnish resistant nickel-plated brass; *Center Contact:* male: gold-plated brass; female: gold-plated beryllium copper (except as noted); *Dielectric:* PTFE.

\*see rating message at start of section.

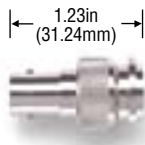
## Triaxial to BNC



| Model# | Type                            |
|--------|---------------------------------|
| 5299   | 3 Lug Triax (f)/BNC (m) adapter |
| 5298   | 2 Lug Triax (f)/BNC (m) adapter |
| 5090   | BNC (f)/2 Lug Triax (m) adapter |
| 5300   | BNC (f)/3 Lug Triax (m) adapter |

**Triaxial:** *Body:* tarnish resistant nickel-plated brass; *Center Contact:* male: gold-plated brass; female: gold-plated beryllium copper; *Outer Contact:* gold-plated beryllium copper; *Dielectric:* PTFE.

## BNC to TNC



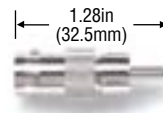
| Model# | Type            |
|--------|-----------------|
| 3844   | BNC (f)/TNC (m) |

**Rating:** Maximum voltage for *hands free use:* 500 Vrms\*, -85°F to +325°F (-65°C to +165°C) (except as noted).

**Impedance:** 50Ω (except as noted).

**BNC:** *Shell:* tarnish resistant nickel-plated brass; *Center Contact:* male: gold-plated brass; female: gold-plated beryllium copper (except as noted); *Dielectric:* PTFE.

## BNC Female to Phono (RCA) Male

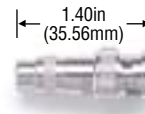


| Model# | Type |
|--------|------|
| 5319   |      |

**Rating:** *Hands free testing* in controlled voltage environment: 500 Vrms\*, 216°F (+102°C) max.

**BNC:** *Center Contact:* gold-plated.

## BNC Male to Phono Jack



| Model# | Type |
|--------|------|
| 4054   |      |

**Rating:** *Hands free testing* in controlled voltage environment: 500 Vrms\*, +257°F (+125°C) max.

## UHF to BNC



| Model# | Type            | Special Features                              |
|--------|-----------------|-----------------------------------------------|
| 3287   | BNC (m)/UHF (f) | Phos. Bronze Contact<br>Nonconstant Impedance |
| 3286   | BNC (f)/UHF (m) | Nonconstant Impedance                         |

**Rating:** Maximum voltage for *hands free use:* 335 Vrms\*, -85 to +325°F (-65 to +165°C) (except as noted).

**Impedance:** 50Ω (except as noted).

**UHF:** *Shell:* tarnish resistant nickel-plated brass; *Center Contact:* male: gold-plated brass; female: gold-plated beryllium copper (except as noted); *Dielectric:* PTFE.



## BNC Female to 1/4in (6.35mm) Phone Plug



| Model# | Type |
|--------|------|
| 1297   |      |

**Rating:** *Hands free testing* in controlled voltage environment: 500 Vrms\*, +257°F (+125°C) max.

Convert 2 conductor audio jacks to BNC.

## BNC Female to Two Conductor, 0.14in (3.5mm) Dia. Mini Phone Plug



| Model# | Type |
|--------|------|
| 3837   |      |

**Rating:** *Hands free testing* in controlled voltage environment: 500 Vrms\*, +257°F (+125°C) max.

Convert 2 conductor audio jacks to BNC.

## Type N to BNC



| Model# | Type          | Special Features              |
|--------|---------------|-------------------------------|
| 3535   | BNC (m)/N (f) |                               |
| 3288   | BNC (f)/N (m) | Beryllium Copper Male Contact |

**Rating:** Maximum voltage for *hands free use:* 500 Vrms max., -85 to +325°F (-65 to +165°C) (except as noted).

**Impedance:** 50Ω (except as noted).

**N:** *Shell:* tarnish resistant nickel-plated brass; *Center Contact:* male: gold-plated brass; female: gold-plated beryllium copper (except as noted); *Dielectric:* PTFE.



## F Between Series Adapters



| Model# | Type          |
|--------|---------------|
| 6714   | BNC (m)/F (f) |
| 6715   | BNC (f)/F (f) |
| 6716   | F (m)/BNC (f) |

**BNC:** *Shell:* tarnish resistant nickel-plated brass; *Center Contact:* male: gold-plated brass; female: gold-plated beryllium copper (except as noted).

**Dielectric:** PTFE.

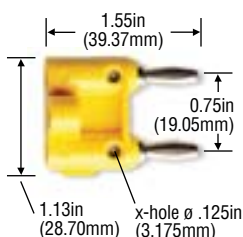
# Banana Plugs and Jacks

Just need a reliable plug or jack? Making your own test set? Pomona Electronics' selection is designed to meet demanding electrical characteristics. Nickel-plated plugs feature brass bodies and one-piece heat-treated beryllium copper springs with nylon or ABS insulation. Choose Pomona for the reliable and dependable connections your work demands.

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ELECTRONICS

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## Double Banana Plug with Wire Guide, Stackable, Solderless



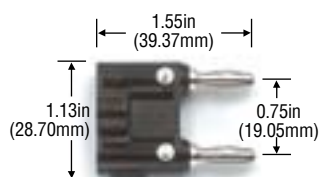
| Model# | Plating | Insulation            | *Std. Colors                                                                                    |
|--------|---------|-----------------------|-------------------------------------------------------------------------------------------------|
| MDP-*  | Nickel  | ABS                   | -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet-8 Gray, -9 White |
| 4892-* | Gold    | ABS                   | -0 Black, -2 Red                                                                                |
| 4898-* | Nickel  | Polyphenylene Sulfide | -0 Black, -6 Blue                                                                               |
| 4914   |         |                       | Set screws 8-32 x 0.210in (5.33mm), 100/pk                                                      |

Set screws secure wire. Simplifies cable construction or component mounting. Accepts cables to 0.22in (5.59mm) dia. max., (18-22 AWG wire).

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) (Model 4898, +302°F (+150°C) max.).

## Double Banana Plug with Solder Turret Terminals



### Model# MDP-ST

Similar to MDP above except with bright tin plated solder turrets. Accepts cables to 0.215in (5.46mm) dia. max.

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: polypropylene.

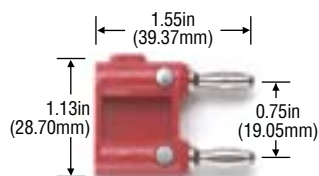
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

**Color:** Black

### Model# 4914

Set screws 8-32 x 0.210in (5.33mm), 100/pk

## Double Banana Plug with Solder Turret Terminals



### Model# 1330-ST-\*

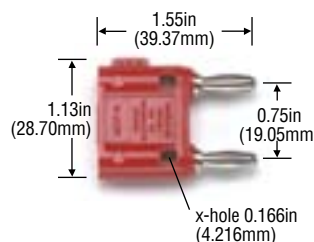
Similar to Model 1330 above, but features bright tin plated solder turrets.

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: polypropylene.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Double Banana Plug with Shorting Bar



### Model# MDP-S-\*

Banana plugs internally shorted with #18 AWG wire.

X-hole accepts standard banana plug.

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: ABS.

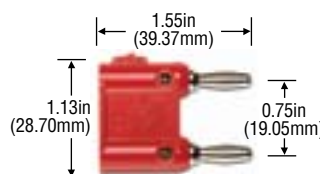
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red, -9 White.

### Model# 4914

Set screws 8-32 x 0.210in (5.33mm), 100/pk.

## Double Banana Plug, Stackable, Solderless



### Model# 1330-\*

Similar to MDP without cable loop.

Features recess for mounting small components with set screws.

Model 1330 has setscrews like MDP.

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: ABS.

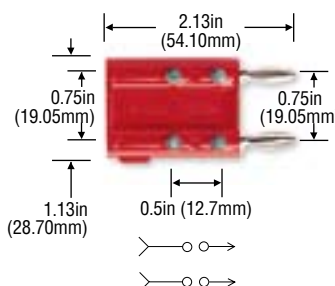
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

### Model# 4914

Set screws 8-32 x 0.210in (5.33mm), 100/pk.

## Isolated Double Banana Plug with Four Solder Terminals



### Model# MDP-X

Use to make your own attenuator, balun or filter.

Jacks are isolated from plugs.

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: polypropylene; Solder turrets: bright tin plated.

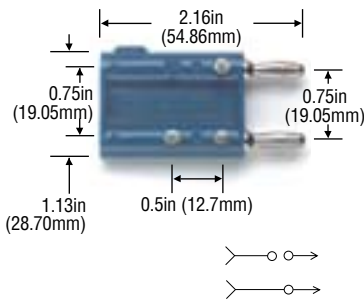
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

**Color:** Red.

\*Color Code: -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White

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## Isolated Double Banana Plug with Three Solder Terminals



### Model# 1837

Use to make your own attenuator, balun or filter.

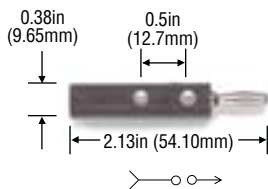
One jack is isolated.

**Material:** *Banana Plug/Jack:* brass; *Spring:* heat treated beryllium copper; *Finish:* nickel plating; *Insulation:* polypropylene; *Solder turrets:* bright tin plated.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

**Color:** Blue.

## Isolated Single Banana Plug with Two Solder Terminals



### Model# 1390-\*

Ideal for computers, lab circuit design and testing.

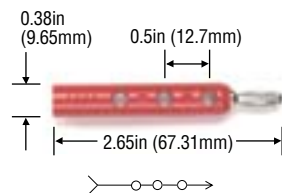
Jack is isolated from plug.

**Material:** *Banana Plug/Jack:* brass; *Spring:* heat treated beryllium copper; *Finish:* nickel plating; *Insulation:* polypropylene; *Solder turrets:* bright tin plated.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

**\*Std. Colors:** -0 Black, -2 Red.

## QUAD Stacking Plug



### Model# 3364-\*

Features one in-line stacking and three cross-stacking connections.

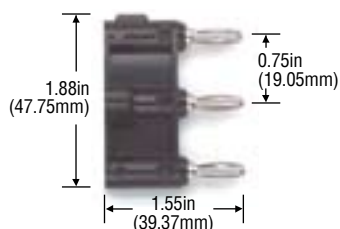
All jacks are connected to plug.

**Material:** *Banana Plug/Jack:* brass; *Spring:* heat treated beryllium copper; *Finish:* nickel plating; *Insulation:* ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) Max.

**\*Std. Colors:** -0 Black, -2 Red.

## Triple Banana Plug, Stackable, Solderless



### Model# 2970-\*

Use for balanced line 2 conductor shielded cable assemblies. Accepts cables to 0.250in (6.35mm) dia. max., Setscrews secure wires.

**Material:** *Banana Plug/Jack:* brass; *Spring:* heat treated beryllium copper; *Finish:* nickel plating; *Insulation:* ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

**\*Std. Colors:** -0 Black, -2 Red.

## 4mm Safety Banana Jack to Banana Plug Adapter



### Model# 6728

Accepts safety-sheathed 4mm banana plug and adapts to standard banana plug.

**Material:** nickel plated brass.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

**\*Std. Colors:** -0 Black, -2 Red.

## Double Banana Plug Splice



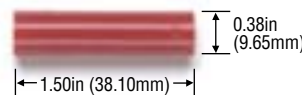
### Model# 1823-\*

Provides rapid method for splicing cables.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

**\*Std. Colors:** -0 Black, -2 Red.

## Single Banana Plug Splice



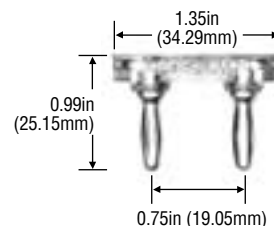
### Model# 1829-\*

Provides rapid method for splicing single banana plug patch cords.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +55°C (+131°F) max.

**\*Std. Colors:** -0 Black, -2 Red.

## Insulated Double Banana Plug Shorting Bar



### Model# 5145

Shorting bar is completely insulated in clear ABS thermoplastic.

Fits standard 0.166in (4.22mm) dia. banana jack.

**Material:** *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* nickel plating.

**Rating:** 15A, +122°F (+50°C) max., resistance less than 1.5mΩ.

## Do-It-Yourself 4mm Stackable Banana Plug, Solder



### Model# 6721

Build your own safety stacking leads with do-it-yourself safety-sheathed 4mm stackable banana plugs.

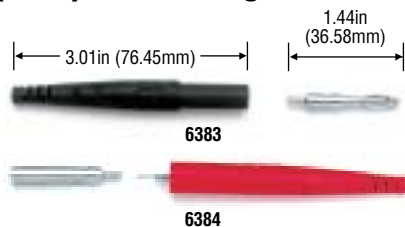
**Material:** *Contacts:* nickel-plated brass, *Insulation:* lucel acetal polymer.

**Rating:** IEC61010 1000V Category III\*\*, 20A, 14 to 176°F (-10 to +95°C).

**\*Std. Colors:** -0 Black, -2 Red.

\*\* When plug is correctly assembled and terminated.

## Do-It-Yourself In-Line Sheathed (4mm) Banana Plug and Jack



Safety-rated plugs and jacks for use with any wire from 22 to 18 AWG with flexible insulation.

Attaches to wire by crimp or soldering.

Plugs fit most sheathed DMM jacks and DMM test leads to make up your own banana plug or jack test lead or jumper.

See mating panel jacks (6387 on page 33).

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Insulation: Santoprene®.

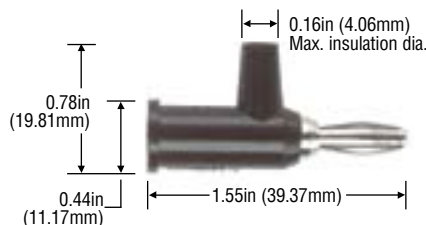
**Rating:** CAT II 300V, 15A, +275°F (+135°C) max.

**\*Std. Colors:** -0 Black, -2 Red, -02 Black and Red (2 per pkg).

\*Sold in pkgs of 10.

| Model#  |      |
|---------|------|
| 6383-*  | Plug |
| 6383-02 |      |
| 6384-*  | Jack |
| 6384-02 |      |

## Do-It-Yourself Solderless Stackup Banana Plug with Safety Shield



Internal set screw holds wire firmly.

Safety collar insulates exposed wire leads.

Accepts standard banana plug and fits 0.166in (4.22mm) dia. banana jack.

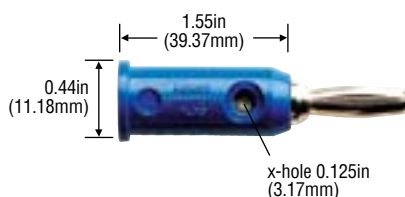
**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max. (Model 4899, +302°F (+150°C) max.).

Accepts 18-22 AWG wire.

| Model# | Plating | Insulation            | Std. Colors                                                                                                           |
|--------|---------|-----------------------|-----------------------------------------------------------------------------------------------------------------------|
| 1825-* | Nickel  | ABS                   | -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White. Sold in pkgs of 10 |
| 4897   | Gold    | ABS                   | -0 Black, -2 Red                                                                                                      |
| 4899   | Nickel  | Polyphenylene Sulfide | -0 Black, -6 Blue Sold in pkgs of 10                                                                                  |
| 6545   | Nickel  | ABS                   | Pkg of 1 ea. of all 10 colors                                                                                         |

## Do-It-Yourself Solderless Stackup Banana Plug



4914 set screws 8-32 x 0.210 (5.33mm), 100/pk.

Internal set screw holds wire firmly.

Accepts standard banana plug, fits standard 0.166in (4.22mm) dia. banana jack.

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max. (Model 5230, +302°F (+150°C) max.).

Accepts 18-22 AWG wire.

| Model# | Plating | Insulation            | Std. Colors                                                                                        |
|--------|---------|-----------------------|----------------------------------------------------------------------------------------------------|
| 1325-* | Nickel  | ABS                   | -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White. |
| 5406   | Gold    | ABS                   | -0 Black, -2 Red                                                                                   |
| 5230   | Nickel  | Polyphenylene Sulfide | -0 Black, -6 Blue                                                                                  |
| 6546   | Nickel  | ABS                   | Pkg of 1 ea. of all 10 colors                                                                      |

\*Sold in pkgs of 10.

## Do-It-Yourself 4mm Right Angle Banana Plug



Model# 6729

Build your own safety leads with do-it-yourself safety-sheathed 4mm right angle banana plug.

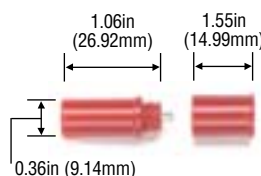
**Material:** Contacts: nickel-plated brass; Insulation: lucel acetal polymer.

**Rating:** IEC61010 1000V Category III\*\*, 20A, 14 to 176°F (-10 to +55°C).

**\*Std. Colors:** -0 Black, -2 red.

\*\* When plug is correctly assembled and terminated.

## Do-It-Yourself In-Line Sheathed Banana Plug/Banana Jack



4933/4986 Plugs



4934/4982 Jacks

| Model# | Accepts wire AWG | Wire Access Hole      | Description |
|--------|------------------|-----------------------|-------------|
| 4933-* | 22, 20, 18       | 0.159in (4.04mm) Dia. | Plug        |
| 4986-* | 16, 14           | 0.200in (5.08mm) Dia. | Plug        |
| 4934-* | 22, 20, 18       | 0.159in (4.04mm) Dia. | Jack        |

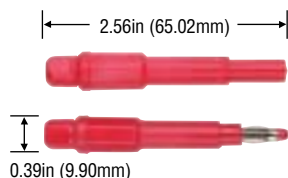
These plugs and jacks are designed to fit together and provide protection from accidental shorting.

**Material:** Banana Plug/Jack: brass; Spring: beryllium copper; Insulation: nylon.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 1200V ac/dc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +176°F (+80°C) max.

**\*Std. Colors:** -0 Black, -2 Red.

## Do-It-Yourself Retractable Sheath Banana Plug



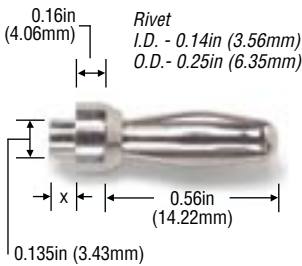
| Model#  | Color |
|---------|-------|
| 122505A | Black |
| 122506A | Red   |

Do-It-Yourself Retractable Sheath Banana Plugs provide fast simple assembly and reliable performance.

**Rating:** For CE CAT II 300V, CAT III 150V. Maximum voltage for hands free use: 1000 Vrms, 20A, ≤ 2 mΩ.

Accepts 18-22 AWG wire.

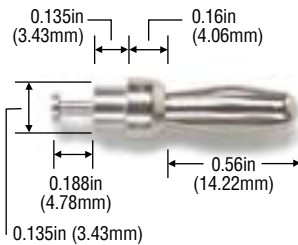
## Rivet Type Banana Plug



| Model# | "X"              | Panel            |
|--------|------------------|------------------|
| 3257   | 0.094in (2.39mm) | 0.062in (1.57mm) |
| 3258   | 0.125 (3.17mm)   | 0.093in (2.36mm) |

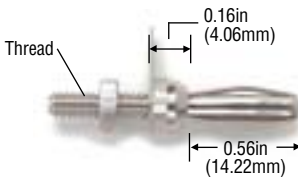
Excellent for riveting to panels or boards.  
Fits standard 0.166in (4.22mm) dia. banana jack.  
**Material:** *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* nickel plating.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A.  
Sold in pkgs. of 10.

## Rivet Type Banana Plug with Turret



**Model# 3261**  
Excellent for riveting to panels or boards. Solder turret for rapid attachment of wires.  
Fits standard 0.166in (4.22mm) dia. banana jack.  
**Material:** *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* nickel plating.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A.  
Sold in pkgs. of 10.

## Banana Plug with Threaded Stud and Solder Lug



| Model# | Thread                 |
|--------|------------------------|
| 3263   | 6-32 x .50in (12.70mm) |
| 3264   | 8-32 x .50in (12.70mm) |
| 4512   | 8-32 x .63in (16.00mm) |

Fits standard 0.166in (4.22mm) dia. banana jack.  
**Material:** *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* nickel plating.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A.  
Sold unassembled, in pkgs. of 10.

## Insulated Banana Plug and Jack with Flexible Boot, Solder or Crimp

| Model# | Accepts wire AWG | Type | Mates with... |
|--------|------------------|------|---------------|
| 5169-* | 22, 20, 18       | Plug | Jack 5167     |
| 5170-* | 16, 14           |      | Jack 5168     |
| 5167-* | 22, 20, 18       | Jack | Plug 5169     |
| 5168-* | 16, 14           |      | Plug 5170     |

Ideal for making patch cords or field repairs. Snap-on flexible PVC boot allows wire to be crimped or soldered to banana plug or jack.  
Fits standard 0.166in (4.22mm) dia. banana jack.  
**Material:** *Boot:* Banana Plug Body: brass; *Spring:* beryllium copper; *Finish:* nickel plating; *Jack:* nickel plated brass.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C.) max.  
**\*Std. Colors:** -0 Black, -2 Red.



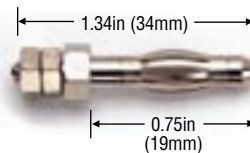
## Banana Plug with Screw and Soldering Lug



| Model# | Thread                 |
|--------|------------------------|
| 3265   | 6-32 x 0.25in (6.35mm) |
| 3266   | 8-32 x 0.25in (6.35mm) |

Fits standard 0.166in (4.22mm) dia. banana jack.  
**Material:** *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* nickel plating.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A.  
Sold unassembled, in pkgs. of 10.

## 4mm Banana Plug with Threaded M3 Stud



**Model# 72918**  
4mm plug with threaded M3 stud, 2 nuts; 12mm (0.5in) stud length.  
Sold unassembled, in pkgs. of 10.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 36A.

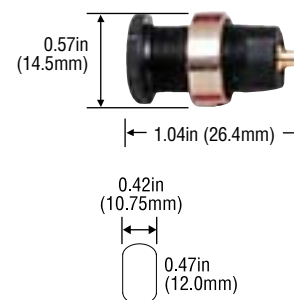
## Panel Mount IEC61010 Banana Jacks for Sheathed Plugs



| Model#  | Color | Terminal                     |
|---------|-------|------------------------------|
| 72912-0 | Black | Threaded Stud                |
| 72912-2 | Red   |                              |
| 72913-0 | Black | Solder Tab                   |
| 72913-2 | Red   |                              |
| 72930*  |       | Threaded Stud, Hexagonal Nut |

**Material:** Gold-plated nickel (72912 and 72913).  
**Rating:** 1000V Cat III, 36A Max.  
**\*Std. Colors:** -0 Black, -1 Brown, -2 Red, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White.  
Sold in packages of 10 per color.

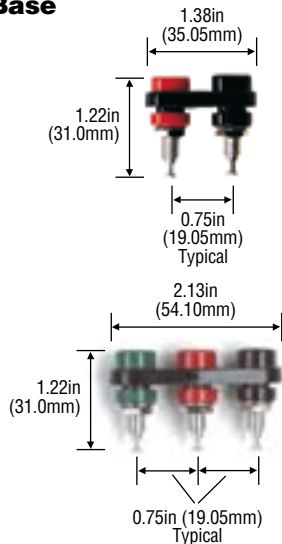
## Panel Mount IEC61010 4 mm (0.16in) Banana Jack for Sheathed Plugs



**Model# 5931-\***  
Accepts flexible test lead sets 5907A, 5908A, 5909A available on page 68.  
**Max. Panel Thickness:** 0.28in (7.0mm).  
**Insulation:** Nylon.  
**Rating:** 1000 V Cat III per IEC61010-031 and IEC61010-1, 25A.  
**\*Std. Colors:** -0 Black, -2 Red, -6 Blue, -9 White.  
Sold in pkgs. of 10 per color.

Panel Cut-Out

## Panel Mount Banana Jacks with Mounting Base



| Model# | Mounting Base    |
|--------|------------------|
| 2269-* | Double           |
| 5233-0 | Double High-Temp |
| 4601-* | Triple           |

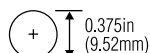
Mounts in panels from 0.063in (1.60mm) to 0.375in (9.53mm) thick. One black, one red. Triple has green.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A.

**Temp:** +239F (+115°C) [5233-0: +220°F (+428°C)].

\***Mounting base color:** -0 Black, -2 Red.

Replacement hex nuts available on page 35.



Panel Cut-Out

## Terminal Strip Adapter, 4mm Safety Banana Jack to 6/32



### Model# 6720

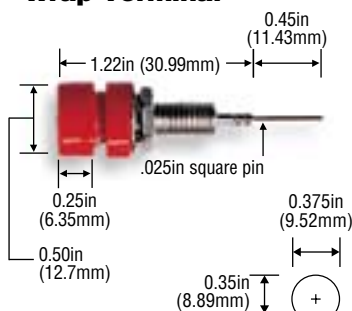
Easily connect your DMM safety sheathed test leads to terminal strips via this handy 6/32 thread adapter.

**Material:** Contacts: nickel-plated brass, Insulation: lucel acetal polymer.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. (14 to 212°F) -10 to +100°C.

\***Std. Colors:** -0 Black, -2 Red.

## Banana Jack with Wire Wrap Terminal



Panel Cut-Out

### Model# 4005-\*

**Material:** Jack: nickel-plated brass; Terminal: gold-plated phosphor bronze; Insulation: polycarbonate.

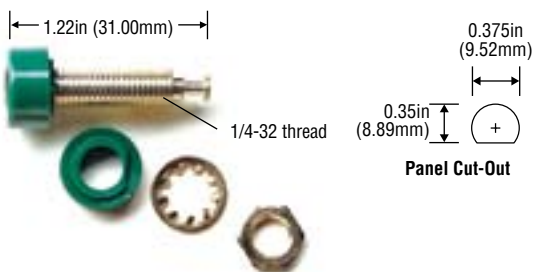
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +239°F (+115°C) max.

\***Std. Colors:** -0 Black, -2 Red.

Sold in pkgs. of 10 per color.

Replacement hex nuts available on page 35.

## Panel Mount Banana Jack



Panel Cut-Out

| Model# | Plating    | Insulation            | Std. Colors                                                                                       |
|--------|------------|-----------------------|---------------------------------------------------------------------------------------------------|
| 1581-* | Bright tin | Polycarbonate         | -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White |
| 2854-* | Gold       | Polycarbonate         | -0 Black, -1 Brown, -2 Red, -4 Yellow, -5 Green, -6 Blue, -8 Gray, -9 White                       |
| 4900-* | Bright tin | Polyphenylene Sulfide | -0 Black, -6 Blue                                                                                 |

Mounts in panels ranging in thickness from 0.063in (1.60mm) to 0.375in (9.53mm).

**Material:** Brass.

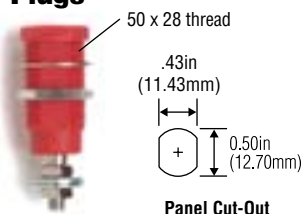
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 2500 Vdc. Do not use on circuits where

transient stresses can exceed the rated voltage. 15A, +239°F (+115°C) max. (Model 4900, +428°F (+220°C) max.).

Mounting Bases and replacement hex nuts available on page 34-35.

Sold in pkgs. of 10 per color.

## Panel Mount Banana Jacks for Sheathed Plugs



Panel Cut-Out

### 6387-T-P-C



ST

| Model#      | Std. Colors      |
|-------------|------------------|
| 6387-ST-T-* | -0 Black, -2 Red |

These banana jacks fit most DMM plugs and all sheathed Pomona plugs. Available with several different terminals. Threaded and press-in style.

**Rating:** Designed to meet IEC61010 CAT III 1000 Vrms, 15A.

Sold in packages of 10.

Comes with Hex Nut and Lock Washer.

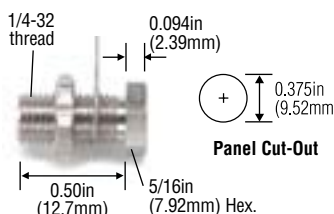
Replacement hex nuts available on page 35.

**Color Options:** -0 Black, -2 Red.

**Plating Option:** T = Tin

**Terminal Type:** ST = Solder Turret

## Uninsulated Banana Jack



Panel Cut-Out

### Model# 3267

Fits standard banana plug.

**Material:** nickel-plated brass.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A.

Replacement hex nuts available on page 35.

## Terminal Strip Banana Jack Adapter



| Model# | Thread | Vrms | Torque In/Lb | X Stud Length   |
|--------|--------|------|--------------|-----------------|
| 5699-* | 6-32   | 1100 | 7            | 0.25in (6.35mm) |
| 5700-* | 8-32   | 1600 | 16           | 0.32in (8.13mm) |
| 5701-* | 10-32  | 1700 | 25           | 0.32in (8.13mm) |

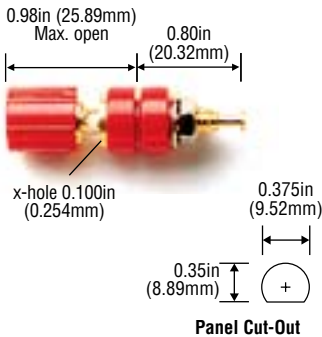
This adapter provides a banana jack connection by replacing the screw in a terminal strip. Secure connections can be made with standard banana plug patch cords without breaking the connection to the terminal strip. Banana jack 0.166in (4.22mm) dia.

**Material:** Banana Jack: nickel-plated brass; Insulation: Nylon.

\***Std. Colors:** -0 Black, -2 Red, -3 Orange, -4 Yellow, -9 White.

**Ratings:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: (see chart for Vrms for each model#). Do not use on circuits where transient stresses can exceed the rated voltage. 25A, +216°F (+102°C) max.

## Binding Posts



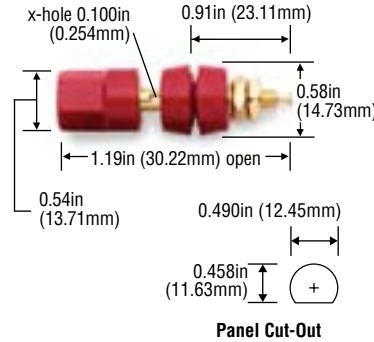
| Model# | Material                     |
|--------|------------------------------|
| 3750-* | Gold-plated brass            |
| 3760-* | Bright tin-plated brass      |
| 3770-* | Gold-plated tellurium copper |

**Insulation:** Polycarbonate.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +239°F (+115°C) max.

\***Std. Colors:** 3750 and 3760: all 10 colors. 3770: -0 Black, -2 Red. Sold unassembled.

## Hex Head Binding Post



Model# 5018-\*

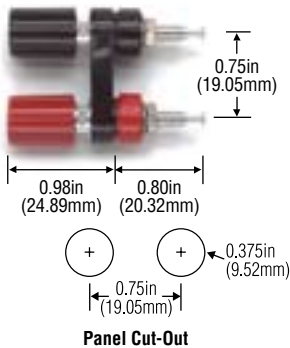
Meets MIL-P-55149/1A.

**Material:** Binding Post Body, Nuts, Lockwasher: gold-plated brass; Insulation: Nylon MIL-P-20693.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 1500 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. 30A, +176° (+80°C) max.

\***Std. Colors:** -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White.

## Binding Post with Double Mounting



Model# 4243-\*

Accepts standard banana plugs and 0.080in (2.03mm) pin tips, wires and probe tips in 0.10in (2.54mm) cross-hole.

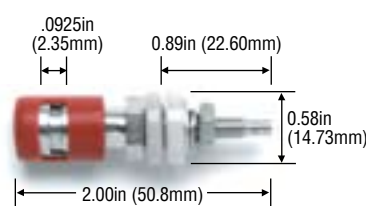
One black and one red binding post.

**Material:** Binding Post: bright tin-plated brass; Insulation: polycarbonate.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +239°F (+115°C) max.

\***Mtg. Base Colors:** -0 Black, -2 Red.

## Spring Loaded Binding Post



Model# 4995-\*

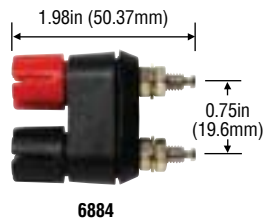
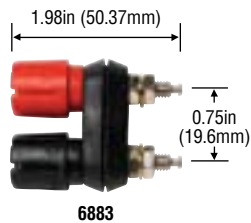
Meets MIL-P-55149/8.

Silicone rubber O-rings provide water resistant seal when mounted in panels from 0.062in to 0.125in (15.75mm to 3.18mm) thick.

**Material:** Nickel-plated brass.

\***Std. Colors:** -0 Black, -2 Red.

## Dual Binding Posts

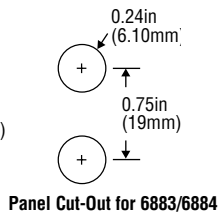


| Model# | Base        |
|--------|-------------|
| 6883   | Standard    |
| 6884   | Raised Base |

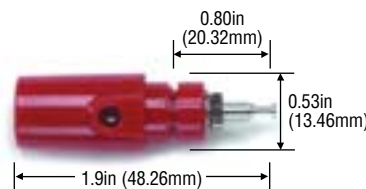
5-way binding post with 3.91 mm (0.154 in) cross-hole that accepts up to 12 AWG wire and standard banana plugs. Posts are spaced at the standard 3/4 inch spacing to mate to dual banana plugs.

**Material:** Binding Post: nickel-plated brass. Insulators: nylon.

**Rating:** 30A current.



## Spring Loaded Binding Post



Model# 4770-\*

Mounts in panels from 0.06in (1.6mm) to 0.38in (9.53mm) thick.

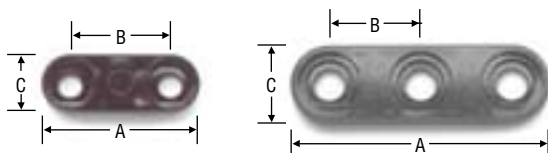
Accepts wires or plugs up to 0.08in (2.16mm) dia. with insulation up to 0.16in (4.06mm).

**Material:** Body: tin plated brass; Insulation: polycarbonate.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 630 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +239°F (+115°C) max.

\***Std. Colors:** -0 Black, -2 Red.

## Binding Post/Banana Jack Mounting Bases



For binding post models 3750, 3760, 3770

| Model# | Type   | Used with     | A                | B                | C                |
|--------|--------|---------------|------------------|------------------|------------------|
| 3862-* | Double | Standard      | 1.19in (30.22mm) | 0.75in (19.05mm) | 0.44in (11.18mm) |
| 3863-* | Triple | Binding Posts | 1.94in (49.28mm) | 0.75in (19.05mm) | 0.44in (11.18mm) |
| 4619-* | Double | Miniature     | 0.87in (22.09mm) | 0.50in (12.70mm) | 0.38in (9.65mm)  |
| 4614-* | Triple | Banana Jacks  | 1.38in (35.05mm) | 0.50in (12.70mm) | 0.38in (9.65mm)  |
| 4654-* | Double | Standard      | 1.38in (35.05mm) | 0.75in (19.05mm) | 0.63in (16.00mm) |
| 4590-* | Triple | Banana Jacks  | 2.13in (54.10mm) | 0.75in (19.05mm) | 0.63in (16.00mm) |

Mount banana jacks and binding posts at standard 0.75in (19.05mm) spacing.

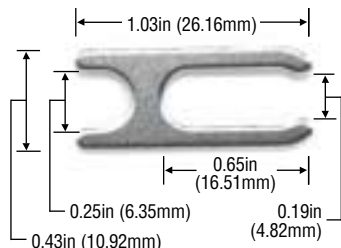
**Material:** polycarbonate

**Rating:** +239°F (+115°C) Max.

\***Std. Colors:** -0 Black.

Sold in pkgs. of 10.

## Shorting Link for Standard Binding Posts



**Model# 4115**

Solid shorting link for binding posts.

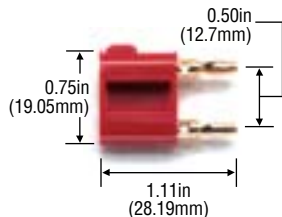
**Material:** nickel-plated brass.

**Rating:** 15A.

Sold in pkgs. of 10.

Fits Binding Posts on 0.750in (19.05mm) centers.

## Miniature Double Banana Plug with Set Screws, Stackable, Solderless



**Model# 2244-\***

Internal set screws secure cable up to 0.15in (3.81mm) dia. or components.

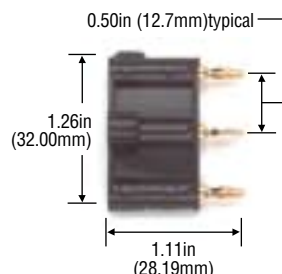
Plugs fit miniature 0.104in (2.64mm) dia. jacks.

**Material:** Banana Plug/Jack: brass; Spring: beryllium copper; Finish: gold plating; Insulation: ABS

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Miniature Solderless Triple Banana Plug with Wire Guide



**Model# 4653-0**

Use for balanced line 2 conductor shielded cable assemblies.

**Material:** Banana Plug/Jack: brass; Spring: beryllium copper; Finish: gold plating; Insulation: ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

Cable strain relief I.D. 0.19in (4.82mm).

Set screws secure wires.

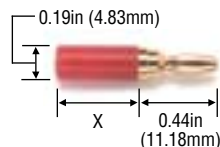
## Replacement Hex Nuts



| Model# | Qty. | Finish | Wrench Size | Nut Thickness    | Thread |
|--------|------|--------|-------------|------------------|--------|
| 6549   | 500  | Nickel | 3/16in      | 0.65in (16.51mm) | 4-40   |
| 6547   | 500  | Nickel | 1/4in       | 0.95in (24.13mm) | 6-32   |
| 6440   | 500  | Nickel | 1/4in       | 0.95in (24.13mm) | 8-32   |
| 6548   | 100  | Gold   | 3/8in       | 0.95in (24.13mm) | 10-32  |
| 6441   | 500  | Nickel | 3/8in       | 0.95in (24.13mm) | 1/4-32 |
| 6389   | 100  | Nickel | 9/16in      | 0.95in (24.13mm) | 1/2-28 |

| Hex Nut | 6549         | 6547                 | 6440                                                                         | 6548                                                         | 6441 | 6389                                                                         |
|---------|--------------|----------------------|------------------------------------------------------------------------------|--------------------------------------------------------------|------|------------------------------------------------------------------------------|
| Fits on | 3276<br>4513 | 3263<br>4511<br>6271 | 2142<br>2143<br>2382<br>2383<br>2439<br>2440<br>3264<br>3542<br>3750<br>3760 | 3770<br>4022<br>4098<br>4243<br>4512<br>4543<br>4773<br>6272 | 5018 | 1581<br>2269<br>2854<br>3267<br>4005<br>4069<br>4601<br>4900<br>5233<br>6270 |

## Miniature Solder Type Banana Plug



| Model# | Insulator Length (X) |
|--------|----------------------|
| 3690-* | 0.45in (11.43mm)     |
| 4617-* | 1.00in (25.14mm)     |

Sold in pkgs. of 10

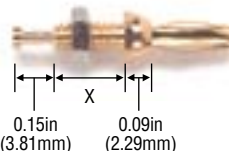
**Material:** Banana Plug Body: brass; Spring: beryllium copper; Finish: gold plating; Insulation: nylon.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +176°F (+80°C) max.

\*Std. Colors: -0 Black, -2 Red.

Fits miniature 0.104in (2.64mm) dia. banana jacks.

## Miniature Banana Plug with Threaded Stud



| Model# | X Length          |
|--------|-------------------|
| 3276   | 0.230in (5.84mm)  |
| 4513   | 0.480in (12.19mm) |

Fits miniature 0.104in (2.64mm) dia. banana jacks.

Furnished with 4-40 hex nut, 4-40 threaded stud.

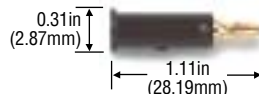
**Material:** Banana Plug Body: brass; Spring: beryllium copper; Finish: gold plating.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A.

Replacement hex nut available on page 35.

Sold unassembled, in pkgs. of 10.

## Do-It-Yourself Miniature Banana Plug, Stackable, Solderless



**Model# 2944-\***

Fits miniature 0.104in (2.64mm) dia. banana jacks.

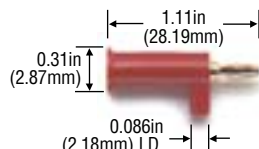
Wire firmly held in place with internal set screw.

**Material:** Banana Plug/Jack: brass; Spring: beryllium copper; Finish: gold plating; Insulation: ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Do-It-Yourself Miniature Banana Plug with Safety Shield, Stackable, Solderless



**Model# 2945-\***

Fits miniature 0.104in (2.64mm) dia. banana jacks.

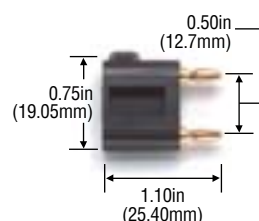
Wire firmly held in place with internal set screw.

**Material:** Banana Plug/Jack: brass; Spring: beryllium copper; Finish: gold plating; Insulation: ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Miniature Double Banana Plug with Shorting Bar



**Model# 2035-\***

Plugs fit miniature 0.104in (2.64mm) dia. banana jacks.

Banana plugs internally shorted with 18 AWG wire.

**Material:** Banana Plug/Jack: brass; Spring: beryllium copper; Finish: gold plating; Insulation: ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Miniature Double Banana Plug Shorting Bar

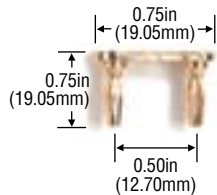
Model# 3030

Center hole accepts 4-40 screw.

**Material:** Banana Plug Body: brass; Spring: beryllium copper; Finish: gold plating.

**Rating:** 5A. Resistance less than 1.5 m.

Fits Miniature Binding Posts and Miniature Banana Jacks on 0.5in (12.70mm) centers.



## Miniature Rivet Type Banana Plug

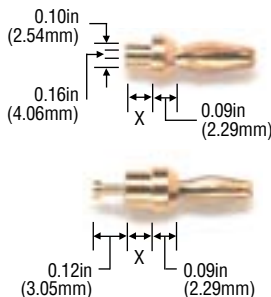
| Model# | Panel            | X Dim.           |
|--------|------------------|------------------|
| 3268   | 0.062in (1.57mm) | 0.094in (2.39mm) |
| 3271   | 0.093in (2.36mm) | 0.125in (3.17mm) |
| 3272   | 0.125in (3.17mm) | 0.156in (3.96mm) |

Fits miniature 0.104in (2.64mm) dia. banana jacks.

**Material:** Banana Plug Body: brass; Spring: beryllium copper; Finish: gold plating.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A.

Sold in pkgs. of 10.



## Miniature Binding Post

| Model# | Plating |
|--------|---------|
| 2382-* | Gold    |
| 2439-* | Tin     |

Accepts miniature banana plug.

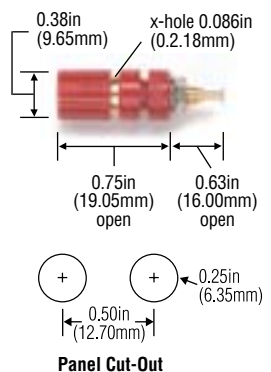
8-32 hex nut and lockwasher included.

**Material:** Binding Post Body, Nut: brass; Lockwasher: steel; Insulation: polycarbonate.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (+115°C) max.

\*Std. Colors: -0 Black, -2 Red, -5 Green, -6 Blue.

Replacement hex nuts available on page 35.



## Miniature Banana Jack with Wire Wrap Terminal

Model# 4022-\*

Accepts miniature banana plugs.

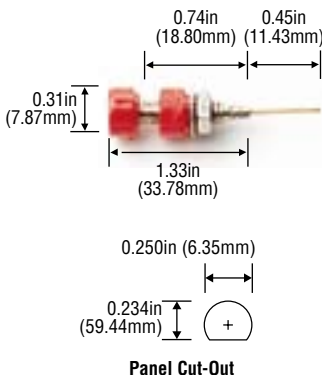
Mounts in panels up to 0.250in (6.35mm) thick.

**Material:** Jack: nickel-plated brass; Terminal: gold-plated phosphor bronze; Insulation: polycarbonate.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +239°F (+115°C) max.

\*Std. Colors: -0 Black, -2 Red.

Sold unassembled, in pkgs. of 10.



## Miniature Insulated Binding Post with Double Mounting Base

| Model# | Plating |
|--------|---------|
| 2383-* | Gold    |
| 2440-* | Tin     |

Accepts miniature banana plugs.

8-32 hex nut and lockwasher included.

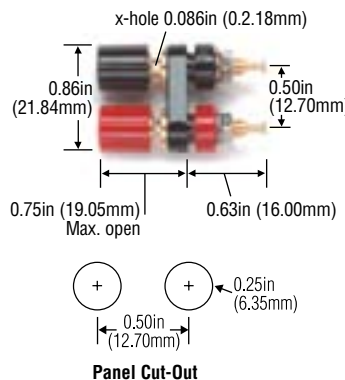
**Material:** Binding Post Body, Nut: brass; Lockwasher: steel; Insulation: polycarbonate.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (115°C) max.

\*Mounting Base Colors: -0 Black, -2 Red.

\*Std. Colors: 2383: -0 Black, -2 Red. 2440: -0 Black.

Replacement hex nuts available on page 35.



## Do-It-Yourself Pin Tip Plug with Safety Shield, Stackable, Solderless

Model# 3548-\*

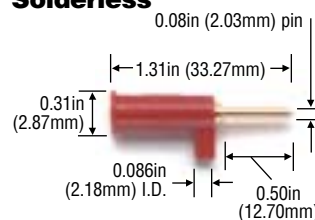
Accepts miniature banana plug.

Wire firmly held in place with internal set screw.

**Material:** Pin Tip Plug/Jack: gold-plated brass; Insulation: ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.



## Miniature Banana Jack, Panel Mount

Model# 2142-\*

Accepts miniature banana plugs. Mounts in panels up to 0.250in (6.35mm) thick.

**Material:** gold-plated brass; Insulation: polycarbonate.

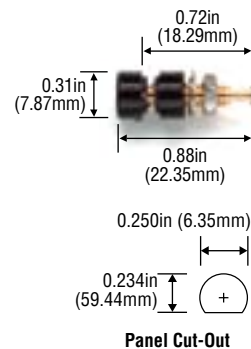
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (+115°C) max.

\*Std. Colors: -0 Black, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -9 White.

Uses hex nut 6440.

Replacement hex nuts available on page 35.

Sold unassembled, in pkgs. of 10 per color.



## Miniature Rivet Type Banana Jack with Turret

Model# 3277

Accepts miniature banana plugs.

Mounts in panels up to 0.062in (1.57mm) thick.

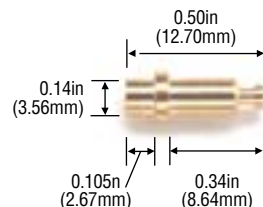
**Material:** Gold-plated brass.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A.

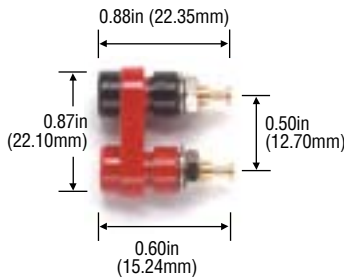
Sold in pkgs. of 10.

**Rec. Mounting Hole:** .140 ± .002 (9/64 Drill).

**Panel Thickness:** 0.062in (1.57mm)



## Miniature Banana Jack in Double Mounting Base, Panel Mount



Panel Cut-Out

Model# 2143-\*

Accepts miniature banana plugs. Mounts in panels up to 0.188in (4.78mm) thick.

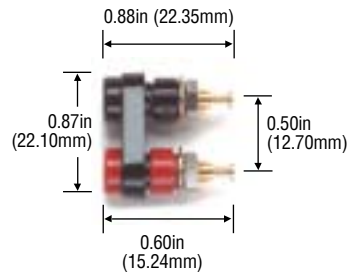
**Material:** gold-plated brass; **Insulation:** polycarbonate.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (+115°C) max.

**\*Std. Mounting Base Colors:** -0 Black, -2 Red.

**Colors:** One black and one red jack.

## Pin Tip Jacks with Double Mounting Base



Panel Cut-Out

Model# 4543-\*

Accepts 0.08in (2.03mm) dia. pin.

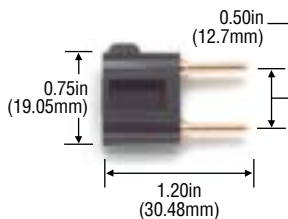
Max. panel thickness 0.188in (4.78mm).

**Material:** Jack: gold-plated brass; Spring: beryllium copper; **Insulation:** polycarbonate.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (115°C) max.

**\*Mtg. Base Colors:** -0 Black, -2 Red.

## Double Pin Tip Plug with Shorting Bar



Model# 3452-\*

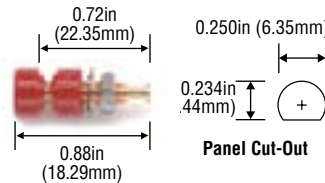
Accepts pin tip plugs. Internally shorted with 20 AWG wire. Use as connecting link for 0.50in (12.70mm) spaced pin tip jacks.

**Material:** Pin Tip Plug/Jack: brass; Spring: beryllium copper; **Finish:** gold plating; **Insulation:** ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (+115°C) max.

**\*Std. Colors:** -0 Black, -2 Red.

## Pin Tip Jack



Panel Cut-Out

Model# 3452-\*

Accepts 0.080in (2.03mm) dia. pin.

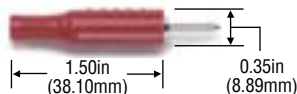
**Material:** Jack: gold-plated brass; Spring: beryllium copper; **Insulation:** polycarbonate.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (115°C) max.

**\*Std. Colors:** -0 Black, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -9 White.

Sold in pkgs. of 10.

## Do-It-Yourself .080in (20.32mm) Dia. Pin Tip Plug with Flexible Boot, Solder or Crimp



Model#

Accepts Wire AWG

5173-\*

22, 20, 18

Ideal for making patch cords or field repairs. Snap-on flexible PVC boot allows wire to be crimped or soldered to pin tip plug.

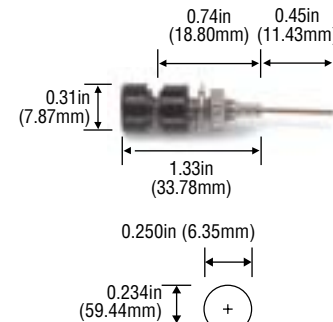
**Material:** nickel-plated brass.

Accepts 18-22 AWG wire.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

**\*Std. Colors:** Available in 10 colors.

## Insulated Pin Jack with Wire Wrap Terminal



Panel Cut-Out

Model# 4773-\*

Accepts 0.080in (2.03mm) dia. pin.

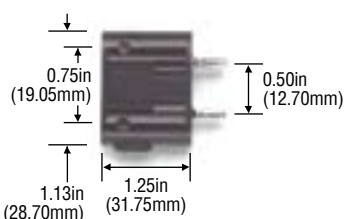
Max. panel thickness 0.25in (6.35mm).

**Material:** Jack: nickel-plated brass; Spring: gold-plated beryllium copper; **Terminal:** gold-plated phosphor bronze; **Insulation:** polycarbonate.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +239°F (+115°C) max.

**\*Std. Colors:** -0 Black, -2 Red, -6 Blue, -9 White.

## Double Banana Jack to Miniature Double Banana Plug Plug



Model# 2952

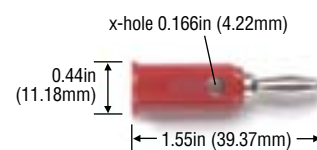
Converts standard banana plugs to miniature.

**Material:** Jack: nickel-plated brass; Spring: nickel-plated beryllium copper; **Insulation:** ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

**Color:** Black.

## Miniature Banana Jack to Banana Plug



Model# 2477-\*

Converts miniature banana plugs to standard.

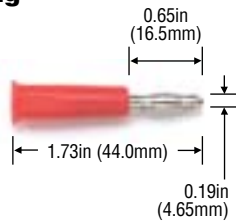
**Material:** Jack: nickel-plated brass; Spring: nickel-plated beryllium copper; **Insulation:** ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

**\*Std. Color:** -0 Black, -2 Red.

Sold in pkgs. of 10.

## Do-It-Yourself In-Line 4 mm (0.16in) Banana Plug



**Model# 5934-\***

Wire connection by set screw. Accepts 18, 20 and 22 AWG wire.

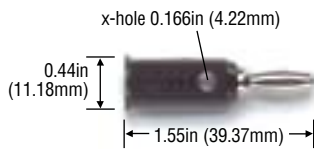
**Material:** *Insulation:* Nylon.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 750 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 25A.

**\*Std. Colors:** -0 Black, -2 Red.

Sold in pkgs. of 10 per color.

## Pin Tip Jack to Banana Plug



**Model# 1809-\***

Accepts 0.080in (2.03mm) pin tip plug or probe tip. Fits standard 0.166in (4.22mm) dia. banana jack.

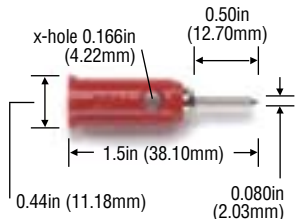
**Material:** gold-plated beryllium copper.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

**\*Std. Color:** -0 Black, -2 Red.

Sold in pkgs. of 10.

## Banana Jack to Pin Tip Plug



**Model# 1432-\***

Use to mate standard banana plug patch cords to equipment having pin jacks.

**Material:** *Jack/Plug:* nickel-plated brass; *Insulation:* ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

**\*Std. Colors:** -0 Black, -2 Red.

Sold in pkgs. of 10.

## Banana Jack to .080in (2mm) Dia. Pin Tip Jack



**Model# 3834-\***

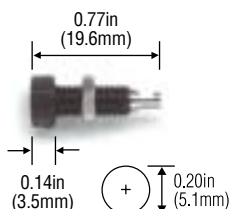
Adapts standard 0.166in (4.22mm) dia. banana plug to 0.080in (2.03mm) dia. pin tip plug.

**Material:** *Banana Jack:* nickel-plated brass; *Pin Jack:* gold-plated beryllium copper; *Insulation:* polypropylene.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.

**\*Std Colors:** -0 Black.

## 2mm Banana Jack



Panel Cut-Out

**Model# 5935-\***

**Max. Panel Thickness:** 0.31in (8mm).

**Material:** *Insulation:* nylon; *Finish:* nickel plating.

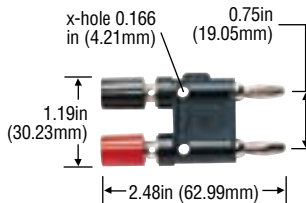
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, ≤ 2 mΩ.

**\*Std. Colors:** -0 Black.

Sold in pkgs. of 10 per color.

Not compatible with Miniature Banana Plug or Pin Tip.

## Double Banana Plug with Binding Posts, Stackable, Solderless



| Model# | Plating |
|--------|---------|
| 1286   | Nickel  |
| 5405   | Gold    |

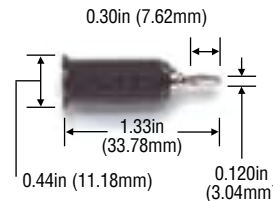
Features insulated binding posts on 0.750in (19.05mm) centers for rapid mounting and interchangeability of components. Center cross hole 0.166in (4.22mm) dia. provides side stackup connection.

**Material:** *Binding Post/Banana Plug Body:* brass; *Spring:* beryllium copper; *Insulation:* ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

**Color:** Black.

## Banana Jack to Miniature Banana Plug



**Model# 2138-\***

Use to mate standard 0.166in (4.22mm) dia. banana plug to equipment having miniature banana jacks.

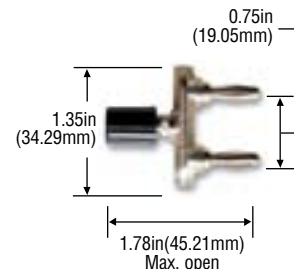
**Material:** *Jack:* nickel-plated brass; *Spring:* nickel-plated beryllium copper; *Insulation:* ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

**\*Std. Color:** -0 Black, -2 Red.

Sold in pkgs. of 10.

## Insulated Double Banana Plug Shorting Bar with Binding Post



**Model# 5165-\***

Fits standard banana jack.

Shorting bar is completely insulated in clear ABS thermoplastic.

**Material:** *Binding Post/Banana Plug Body/Shorting Bar:* nickel-plated brass; *Spring:* nickel-plated beryllium copper; *Insulation:* polycarbonate.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

**\*Binding Post Colors:** -0 Black, -2 Red.

## Binding Post to Banana Plug



**Model# 2894-\***

Features insulated binding post for rapid mounting and interchangeability of components. Accepts standard banana plug. Center cross hole 0.166in (4.22mm) dia. provides side stackup connection.

**Material:** *Binding Post/Banana Plug Body:* nickel-plated brass; *Spring:* nickel-plated beryllium copper; *Insulation:* ABS

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

**\*Binding Post Colors:** -0 Black, -2 Red.

## 2mm Banana Plug



**Model# 5936-\***

Solder type wire connection.

Accepts 18-22 AWG wire.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 500 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. 5A,  $\leq 2 \text{ m}\Omega$ .

**\*Std. Colors:** -0 Black, -2 Red.

**Assembled Length:** 1.07in (27.2 mm).

Sold unassembled, in pkgs. of 10 per color.

Not compatible with Miniature Banana Plug or Pin Tip.

## Spade Lug to DMM Banana Jack

| Model#  | A               | B               | Lug Size |
|---------|-----------------|-----------------|----------|
| 3744A-* | 0.14in (3.56mm) | 0.24in (6.10mm) | 4, 5, 6  |
| 3777A-* | 0.2in (5.0mm)   | 0.30in (7.7mm)  | 8, 10    |



Plugs into DMM leads. Permits DMM leads to be used with equipment having barrier strips, or binding post.

**Material:** *Banana Jack:* nickel-plated brass; *Spade Lug:* tin-plated copper; *Insulation:* polypropylene.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

**\*Std. Colors:** -0 Black, -2 Red, -02 Set of one black and one red.

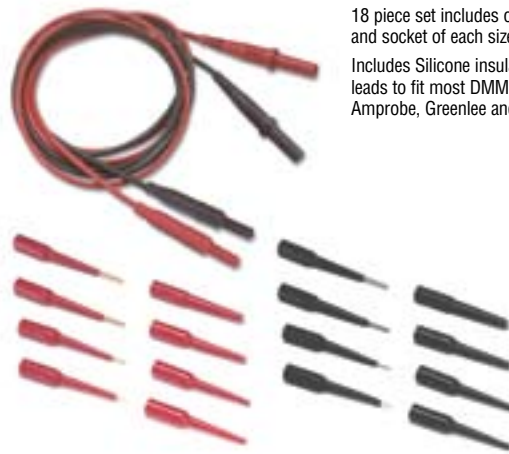
## Test Connector Adapter Set

**Model# 6481**

Full set of pin and socket adapters.

18 piece set includes one black and red pin and socket of each size.

Includes Silicone insulated 4ft (1.21m) leads to fit most DMMs from Fluke, Amprobe, Greenlee and others.



## Low Thermal EMF Insulated Spade Lug to Banana Jack

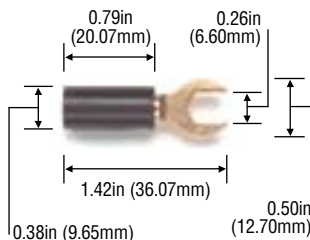
**Model# 2305**

Special alloy and plating preserve the accuracy of low voltage measurement equipment. Thermal effects are minimized. Heavy construction for minimum voltage loss. Mates with low voltage banana plug patch cords and binding posts.

**Material:** *Jack and Spade Lug:* gold-plated tellurium copper; *Insulation:* ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

Set of one red and one black.

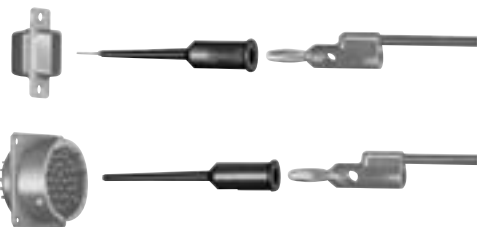


## Connector Test Adapters

Pin type



Socket type



| Model# | AWG | Contact Size     | Type   | Current Rating |
|--------|-----|------------------|--------|----------------|
| 4690-* | 22  | 0.030in (0.76mm) | Socket | 3A             |
| 4691-* |     |                  | Pin    |                |
| 3560-* | 20  | 0.040in (1.02mm) | Socket |                |
| 3561-* |     |                  | Pin    |                |
| 3562-* | 16  | 0.063in (1.60mm) | Socket |                |
| 3563-* |     |                  | Pin    |                |
| 3564-* | 12  | 0.093in (2.36mm) | Socket |                |
| 3565-* |     |                  | Pin    |                |

An ideal test adapter for rapid testing of the hard-to-get at contacts of multi-pin/socket connectors. Flexible tip allows testing of adjacent contacts. Flexibility and full insulation protects against shorting or contact damage. Model 4690 also fits 0.025in (0.63mm) sq. pins.

**Material:** *Banana Jack:* nickel-plated brass; *Socket:* gold-plated copper; *Pin:* gold-plated brass; *Insulation:* PVC.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

**\*Std. Colors:** -0 Black, -2 Red.

# Patch Cords and Test Leads

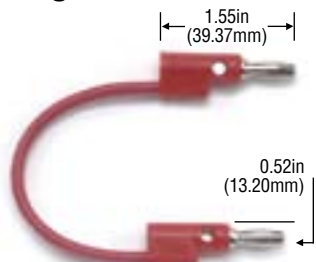
Pomona has made it easy for you to have exactly what you need with a huge selection of patch cords and test leads designed for reliable, convenient connections. Whether you need a test lead that can access an IC pin without shorting or a patch cord that accommodates multiple stacking, Pomona Electronics' design and reliability are your connection with quality.

## Wire Specifications

| Wire Designation | AWG | Description      | O.D.             | Jacket   | Temperature Range            | Color             |
|------------------|-----|------------------|------------------|----------|------------------------------|-------------------|
| B                | 18  | 65/36 copper     | 0.144in (3.66mm) | PVC      | -4 to 221°F (-20 to +105°C)  | 10 Colors         |
| Silicone         | 18  | 65/36 copper     | 0.144in (3.66mm) | Silicone | -58 to 302°F (-50 to +150°C) | Black and Red     |
| P                | 20  | 41/35 copper     | 0.087in (2.20mm) | PVC      | -4 to 221°F (-20 to +105°C)  | 10 colors         |
| PTO              | 22  | 26/36 copper     | 0.064in (1.62mm) | PVC      | -4 to 221°F (-20 to +105°C)  | 10 colors         |
|                  | 12  | 7 x 38/36 copper | 0.144in (3.66mm) | PVC      | 140°F (+60°C)                | Black, Red, Green |

| How To Order                                                                        |                  |
|-------------------------------------------------------------------------------------|------------------|
|  |                  |
| Typical Pomona Part Number:                                                         | <b>3781-24-2</b> |
| Lead Length in Inches (Measured Inside Connectors)                                  |                  |
| Specify Color                                                                       |                  |

## Multi-Stacking Banana Plug Patch Cord



| Model# | Length      |
|--------|-------------|
| B-4-*  | 4in (0.1m)  |
| B-8-*  | 8in (0.2m)  |
| B-12-* | 12in (0.3m) |
| B-18-* | 18in (0.5m) |
| B-24-* | 24in (0.6m) |
| B-36-* | 36in (0.9m) |
| B-48-* | 48in (1.2m) |
| B-60-* | 60in (1.5m) |
| B-72-* | 72in (1.8m) |

**Model B:** Multi-Stacking Banana Plug Patch Cord features a nickel-plated finish.

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

\*Std. Colors: Available in 10 Colors.

| Model#    | Length      | Special Features   |
|-----------|-------------|--------------------|
| 2948-12-* | 12in (0.3m) | Gold-plated finish |
| 2948-24-* | 24in (0.6m) |                    |
| 2948-36-* | 36in (0.9m) |                    |
| 2948-48-* | 48in (1.2m) |                    |
| 2948-60-* | 60in (1.5m) |                    |

**Model 2948** Multi-Stacking Banana Plug Patch Cord features a gold-plated finish.

\*Std. Colors: -0 Black, -2 Red.

## Horizontal Stacking Banana Plug Patch Cord



| Model#  | Length      |
|---------|-------------|
| HB-12-* | 12in (0.3m) |
| HB-24-* | 24in (0.6m) |
| HB-36-* | 36in (0.9m) |
| HB-48-* | 48in (1.2m) |
| HB-60-* | 60in (1.5m) |

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.

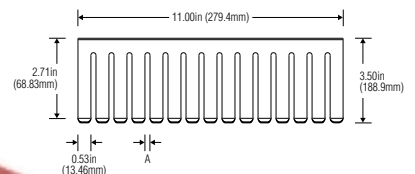
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Test Lead Holders



| Model# | Color  | "A" Max Cable Dia. | Number of Slots |
|--------|--------|--------------------|-----------------|
| 1508   | Orange | 0.210in (5.33mm)   | 14              |
| 4408   | Black  | 0.320in (8.13mm)   | 10              |
| 2708   | Blue   | 0.450in (11.43mm)  | 9               |



## Multi-stacking Sheathed (4mm) Banana Plug Patch Cord



**Model# 6727-\***

4ft (1.2 meter) stackable safety lead.

**Material:** Contacts: nickel-plated brass; Wire: multi-strand copper, Insulation: silicone.

**Rating:** IEC61010 1000V Cat III, 20A max (10A cont.), 14 to 176°F (-10 to +80°C).

\*Std. Colors: -0 Black only, -2 Red only.

## Cross Stacking Banana Plug Patch Cord



| Model#    | Length      |
|-----------|-------------|
| 1440-12-* | 12in (0.3m) |
| 1440-18-* | 18in (0.5m) |
| 1440-24-* | 24in (0.6m) |
| 1440-36-* | 36in (0.9m) |
| 1440-48-* | 48in (1.2m) |
| 1440-60-* | 60in (1.5m) |

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

\*Std. Colors: -0 blk, -2 red.

## Multi-Stacking Banana Plug Coiled Patch Cord



| Model# | Ext. Length   |
|--------|---------------|
| 2484*  | 48in (1.23mm) |

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

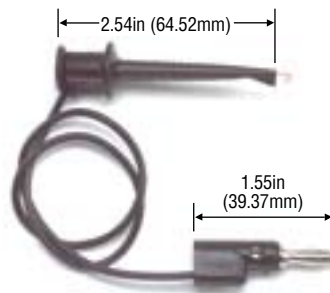
**Extended Length:** 48in (1.2mm).

One patch cord replaces many different lengths.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 270 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Multi-Stacking Banana Plug to Minigrabber® Test Clip



| Model#    | Length      |
|-----------|-------------|
| 3782-12-* | 12in (0.3m) |
| 3782-24-* | 24in (0.6m) |
| 3782-36-* | 36in (0.9m) |
| 3782-48-* | 48in (1.2m) |
| 3782-60-* | 60in (1.5m) |

Hook attaches to component leads up to 0.060in (1.52mm) O.D.

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 300V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue.

## Multi-Stacking Banana Plug Patch Cord with In-Line Fuse Holder



| Model#    | Length      |
|-----------|-------------|
| 4274-36-* | 36in (0.9m) |

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C).

\*Std. Colors: -0 Black, -2 Red.

## Multi-Stacking Banana Plug to Minigrabber® Test Clip



| Model#    | Length      |
|-----------|-------------|
| 6249-12-* | 12in (0.3m) |
| 6249-24-* | 24in (0.6m) |
| 6249-36-* | 36in (0.9m) |

Features a slim 0.36in (9.14mm) body width. Hook attaches to component leads up to 0.060in (1.52mm) O.D.

**Cable:** 18 AWG Silicone insulated wire, 0.144in (3.56mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 300V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A.

\*Std. Colors: -0 Black, -2 Red.

## Multi-Stacking Banana Plug to Miniature Stacking Banana Plug



| Model#    | Length      |
|-----------|-------------|
| 3014-36-* | 36in (0.9m) |
| 3014-60-* | 60in (1.5m) |

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Multi-Stacking Banana Plug to Minigrabber® Test Clip (Coiled) Patch Cord



| Model# | Ext. Length |
|--------|-------------|
| 4538-* | 48in (1.2m) |

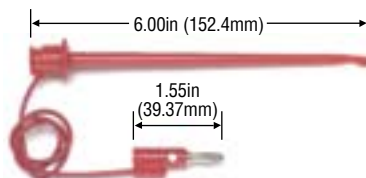
Hook attaches to components up to 0.060in (1.52mm) O.D.

**Cable:** 20 AWG Retractable Cord, 0.087in (2.21mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 300V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C).

\*Std. Colors: -0 Black, -2 Red.

## Multi-Stacking Banana Plug to Maxigrabber® Test Clip



| Model#    | Length      |
|-----------|-------------|
| 4996-36-* | 36in (0.9m) |

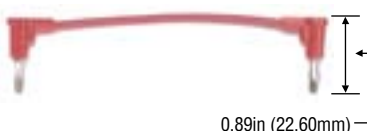
Hook attaches to components up to 0.060in (1.52mm) O.D.

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 300V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Right Angle Stacking Banana Plug Patch Cord



| Model#    | Length      |
|-----------|-------------|
| 2864-24-* | 24in (0.6m) |

**Cable:** 18 AWG Wire, 0.14in (3.56mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Multi-Stacking Banana Plug to Micrograbber® Test Clip



| Model#    | Length      |
|-----------|-------------|
| 5053-24-* | 24in (0.6m) |
| 5053-36-* | 36in (0.9m) |
| 5053-48-* | 48in (1.2m) |

Hook attaches to components up to 0.040in (1.02mm) O.D.

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Multi-Stacking Banana Plug to SMD Grabber® Test Clip



| Model#    | Length      |
|-----------|-------------|
| 5302-12-* | 12in (0.3m) |
| 5302-24-* | 24in (0.6m) |
| 5302-36-* | 36in (0.9m) |

**Pincer Opening:** 0.040in (1.02mm).

**Cable:** 22 AWG Wire, 0.064in (1.63mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 0.5A, +131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Minigrabber® Test Clip with Sheathed Banana Jack



| Model#    | Plug Type            | Rating                     |
|-----------|----------------------|----------------------------|
| 6248-12-* | Sheathed Banana Jack | IEC61010 2-031 CAT II 300V |

Test Lead Extender.

Silicone insulated 1ft (0.3m) leads fit on the end of modular test leads such as Pomona 5907A.

Std. Colors: -0 Black, -2 Red.

## Double Banana Plug with Safety Shrouds



| Model#    | Length      |
|-----------|-------------|
| 6283-C-36 | 36in (0.9m) |
| 6283-C-48 | 48in (1.2m) |
| 6283-C-60 | 60in (1.5m) |

Fits Digital Multi-meters and other instruments with shrouded jacks.

Offset design designates hot and ground leads.

Black and red banana plug shrouds.

Molded strain relief for long life.

MIL spec coaxial cable.

Overvoltage CAT II, 600V, 5A per IEC61010-2-031.

## Minigrabber® Test Clip Leads



6244



5428/6231



6245

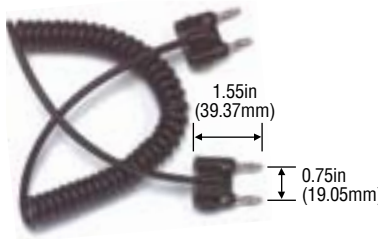
| Model#    | Plug Type       | Rating      |
|-----------|-----------------|-------------|
| 6244-48-* | Right-angle DMM | CAT II 300V |
| 5428-48-* | Right-angle DMM | 300 Vrms*   |
| 6231      | Right-angle DMM | 300 Vrms*   |
| 6245-48-* | Straight DMM    | CAT II 300V |

Silicone insulated 4ft (1.22m) leads fit most meters from Fluke, Wavetek (Meterman), HP, Amprobe, Greenlee and others

Std. Colors: -0 Black, -2 Red

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 300 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage.

## Multi-Stacking Double Banana Plugs on Retractable (Coiled) Cord



| Model#  | Extended Length |
|---------|-----------------|
| 3864-48 | 48in (1.2m)     |
| 3864-72 | 72in (1.8m)     |

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 90 Vac/270 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

**Cable Type:** Shielded Microphone Cable.

## Multi-Stacking Double to Multi-Stacking Single Banana Plugs

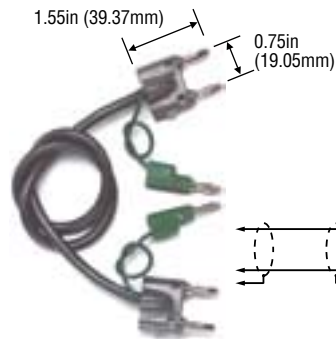


| Model#    | Length       |
|-----------|--------------|
| 1368-A-18 | 18in (0.5m)  |
| 1368-A-24 | 24in (0.6m)  |
| 1368-A-30 | 30in (0.76m) |
| 1368-A-36 | 36in (0.9m)  |
| 1368-A-48 | 48in (1.2m)  |
| 1368-A-60 | 60in (1.5m)  |

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 300 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

See chart on page 6 for additional cable specifications.

## Two Conductor shielded Balanced Line



| Model#  | Length       |
|---------|--------------|
| 1167-18 | 18in (0.5m)  |
| 1167-24 | 24in (0.6m)  |
| 1167-30 | 30in (0.76m) |
| 1167-36 | 36in (0.9m)  |
| 1167-48 | 48in (1.2m)  |
| 1167-60 | 60in (1.5m)  |

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 1000 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +131°F (+55°C) max.

*Cable Type I:* See chart on page 6 for additional cable specifications.

## Multi-Stacking Banana Plugs, Two Each End



| Model#    | Length      |
|-----------|-------------|
| 2239-C-24 | 24in (0.6m) |
| 2239-C-36 | 36in (0.9m) |
| 2239-C-48 | 48in (1.2m) |

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 1400 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +131°F (+55°C) Max.

See chart on page 6 for additional cable specifications.



## Multi-Stacking Double Banana Plug Cables



| Model# | Cable Type                                               | Length      |
|--------|----------------------------------------------------------|-------------|
| 2BA-18 | Two Conductor Twisted Pair, 18 AWG, 0.25in (6.35mm) O.D. | 18in (0.5m) |
| 2BA-24 |                                                          | 24in (0.6m) |
| 2BA-36 |                                                          | 36in (0.9m) |
| 2BA-48 |                                                          | 48in (1.2m) |
| 2BA-60 |                                                          | 60in (1.5m) |
| 2BC-24 | RG58C/U, 0.195in (4.95mm) O.D.                           | 24in (0.6m) |
| 2BC-36 |                                                          | 36in (0.9m) |
| 2BC-48 |                                                          | 48in (1.2m) |
| 2BC-60 |                                                          | 60in (1.5m) |

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 2BA: 300 Vrms, 2BC: 1400 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +131°F (+50°C) max.

## Multi-Stacking Double Banana Plug to Minigrabber® Test Clips

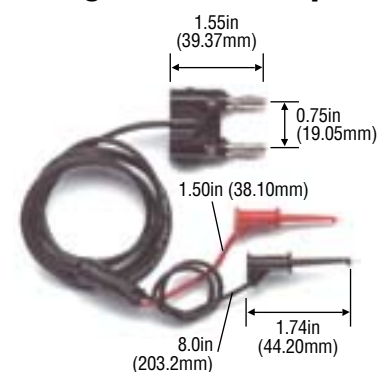


| Model#    | Length      |
|-----------|-------------|
| 3786-C-18 | 18in (0.5m) |
| 3786-C-24 | 24in (0.6m) |
| 3786-C-36 | 36in (0.9m) |
| 3786-C-48 | 48in (1.2m) |
| 3786-C-60 | 60in (1.5m) |

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 300 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

See chart on page 6 for additional cable specifications.

## Double Banana Plug to Micrograbber® Test Clips



| Model#    | Length      |
|-----------|-------------|
| 4768-K-24 | 24in (0.6m) |
| 4768-K-36 | 36in (0.9m) |
| 4768-K-48 | 48in (1.2m) |
| 4768-K-60 | 60in (1.5m) |

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 150 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

See chart on page 6 for additional cable specifications.

## Multi-Stacking Double Banana Plug, One End Only

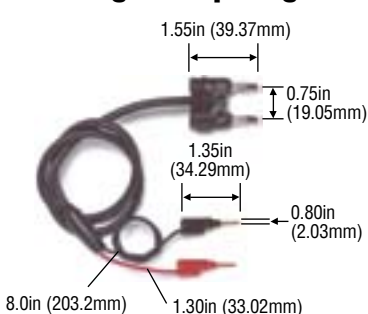


| Model#    | Length      |
|-----------|-------------|
| 1326-A-60 | 60in (1.5m) |
| 1326-C-60 | 60in (1.5m) |

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: A: 300 Vrms, C: 1400 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +131°F (+55°C) max.

See chart on page 6 for additional cable specifications.

## Double Banana Plug to Stacking Pin Tip Plugs

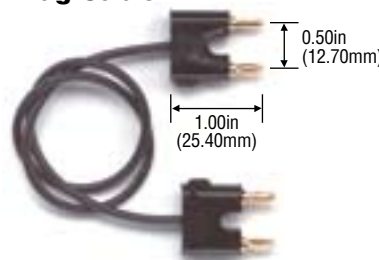


| Model#    | Length      |
|-----------|-------------|
| 2BC-PP-36 | 36in (0.9m) |
| 2BC-PP-48 | 48in (1.2m) |
| 2BC-PP-60 | 60in (1.5m) |

**Cable Type:** RG58C/U 0.195in (4.95mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 1400 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

## Miniature Double Banana Plug Cable



| Model#    | Length      |
|-----------|-------------|
| 2247-K-24 | 24in (0.6m) |

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 1000 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +131°F (+55°C) max.

**Cable Type:** RG174/U, 0.100in (2.54mm) O.D.

**Double Banana Plug to Minigator Test Clips**

| Model#    | Length      |
|-----------|-------------|
| 2BC-MG-36 | 36in (0.9m) |

**Cable Type:** RG58C/U.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 45 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

**Jaw Opening:** 0.187in (4.75mm) max.

**Minigator Clips to Miniature Double Banana Plug**

| Model#    | Length      |
|-----------|-------------|
| 3027-K-24 | 24in (0.6m) |

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 45 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

**Jaw Opening:** 0.187in (4.75mm)

See chart on page 6 for additional cable specifications.

**Double Banana Plug to Alligator Test Clips**

| Model#    | Length      |
|-----------|-------------|
| 2BA-AL-36 | 36in (0.9m) |
| 2BA-AL-48 | 48in (1.2m) |

**Cable Type:** Two cond. Twisted Pair.

| Model#    | Length      |
|-----------|-------------|
| 2BC-AL-36 | 36in (0.9m) |
| 2BC-AL-60 | 60in (1.5m) |

**Cable Type:** RG58C/U50.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 150 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

**Jaw Opening:** 0.30in (7.62mm) max.

**Minigrabber® Test Clip Patch Cord**

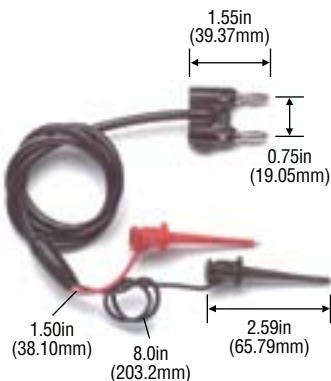
| Model#    | Length      |
|-----------|-------------|
| 3781-8-*  | 8in (0.2m)  |
| 3781-12-* | 12in (0.3m) |
| 3781-18-* | 18in (0.5m) |
| 3781-24-* | 24in (0.6m) |
| 3781-36-* | 36in (0.9m) |
| 3781-48-* | 48in (1.2m) |
| 3781-60-* | 60in (1.5m) |

Hook attaches to component leads up to 0.060in (1.52mm) O.D.

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 300V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +216°F (+102°C) max.

\*Std. Colors: Available in 10 colors.

**Multi-Stacking Double Banana Plug to Minipincer® Test Clips**

| Model#    | Length      |
|-----------|-------------|
| 5422-C-60 | 60in (1.5m) |

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 300 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

See chart on page 6 for additional cable specifications.

**Minigrabber® Test Clip Patch Cord Kit**

Model# 5523

Kit contains 10 pcs. of Model 3781-24, one of each color.

**One End Only**

| Model#    | Length      |
|-----------|-------------|
| 3780-60-* | 60in (1.5m) |

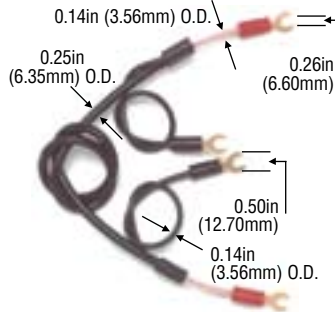
\*Std. Colors: -0 Black, -2 Red.



## Low Thermal EMF Patch Cords

Special alloy plating and construction preserve the accuracy of microvolt and nanovolt measurement equipment. Designed to greatly minimize the effect of Thermal Electric Voltage (Thermal EMF). Thermal EMF is generated at the junction of dissimilar metals at different temperatures and is common source of error in micro- and nano- volt measurements.

### Shielded Low Thermal EMF Spade Lug Patch Cord



| Model#  | Length      |
|---------|-------------|
| 1756-24 | 24in (0.6m) |
| 1756-48 | 48in (1.2m) |

**Cable:** 12 AWG Wire, Shield Leads: 18 AWG.

**Material:** *Spade Lug:* gold-plated Electrolytic Tough Pitch (ETP) 110 Copper Alloy, 1/2 hard.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 2000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 20A, 131°F (+55°C) max.

### Low Thermal EMF Spade Lug Patch Cord



| Model#    | Length      |
|-----------|-------------|
| 1693-36-* | 36in (0.9m) |
| 1693-60-* | 60in (1.5m) |

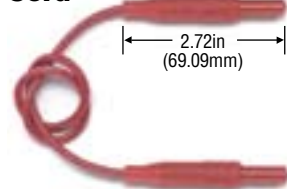
**Cable:** 12 AWG Wire, 0.144in (3.56mm) O.D.

**Material:** *Spade Lug:* gold-plated Electrolytic Tough Pitch (ETP) 110 Copper Alloy, 1/2 hard.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 2000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 20A, 131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red.

### Low Thermal EMF Retractable Sheath Banana Plug Patch Cord



| Model#     | Length      |
|------------|-------------|
| 5291A-12-* | 12in (0.3m) |
| 5291A-36-* | 36in (0.9m) |
| 5291A-60-* | 60in (1.5m) |

**Cable:** 12 AWG Wire, 0.144in (3.56mm) O.D.

**Material:** *Plug Body:* gold-plated tellurium copper; *Spring:* gold-plated Beryllium Copper.

**Rating:** 1000V per IEC61010-2-031, 7A, +131°F (+55°C).

\*Std. Colors: -0 Black, -2 Red.

### Low Thermal EMF Retractable Sheath Banana Plug to Spade Lug



| Model#    | Length      |
|-----------|-------------|
| 5295-36-* | 36in (0.9m) |

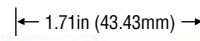
**Cable:** 12 AWG Wire, 0.144in (3.56mm) O.D.

**Material:** *Spade Lug:* gold-plated Electrolytic Tough Pitch (ETP) 110 Copper Alloy, 1/2 hard; *Plug End:* gold-plated tellurium copper.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 1000V. Do not use on circuits where transient stresses can exceed the rated voltage. 7A, 131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red.

### SMD Grabber® Test Clip Patch Cord



| Model#    | Length      |
|-----------|-------------|
| 5301-12-* | 12in (0.3m) |
| 5301-24-* | 24in (0.6m) |

**Pincer Opening:** 0.04in (1.63mm).

**Cable:** 22 AWG Wire, 0.064in (1.60mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 0.5A, +216°F (+102°C) max.

\*Std. Colors: -0 Black, -2 Red

Model# 5521

### SMD Grabber® Test Clip Patch Cord Kit

Kit contains 10 pcs. of Model 5301-24, one each of ten colors.

### MicroGrabber® Test Clip Patch Cord



| Model#    | Length      |
|-----------|-------------|
| 4613-12-* | 12in (0.3m) |
| 4613-24-* | 24in (0.6m) |
| 4613-36-* | 36in (0.9m) |
| 4613-48-* | 48in (1.2m) |

Hook attaches to components up to 0.040in (1.02mm) O.D.

20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +216°F (+102°C) max.

\*Std. Colors: -0 Black, -2 Red.

### MicroGrabber® Test Clip Patch Cord Kit

Model# 5525

Kit contains 10 pcs. of Model 4613-24, one each of ten colors.

### Multi-Stacking Banana Plug to Alligator Test Clip



| Model#    | Length      |
|-----------|-------------|
| 1166-12-* | 12in (0.3m) |
| 1166-24-* | 24in (0.6m) |
| 1166-36-* | 36in (0.9m) |
| 1166-48-* | 48in (1.2m) |
| 1166-60-* | 60in (1.5m) |

**Jaw Opening:** 0.300in (7.62mm).

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

### Banana Plug to Alligator Clip Patch Cord Kit

| Model#  | Length      |
|---------|-------------|
| 6357-36 | 36in (0.9m) |

Kit contains 10 pcs. of Model 1166 patch cords, one each of 10 colors.

\*Color Code: -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White

## Minigator Test Clip Patch Cord



| Model#    | Length      |
|-----------|-------------|
| MG-B-12-* | 12in (0.3m) |
| MG-B-24-* | 24in (0.6m) |

**Jaw Opening:** 0.187in (4.75mm).

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/45 Vdc. Maximum voltage for *hands free use*: 45V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

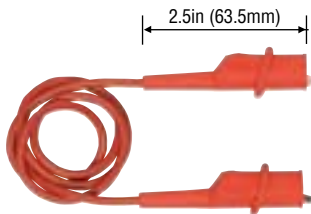
| Model#    | Length      |
|-----------|-------------|
| 1236-24-* | 24in (0.6m) |

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/45 Vdc. Maximum voltage for *hands free use*: 45V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

## 1000V Alligator Patch Cord



| Model#    | Length      |
|-----------|-------------|
| 6576-24-* | 24in (0.6m) |
| 6576-36-* | 36in (0.9m) |

**Jaw Opening:** 0.300in (7.62mm).

**Material:** Body: nickel-plated steel; Boot: santoprene rubber.

**Cable:** 18 AWG Wire, silicone insulated.

**Rating:** Maximum voltage for *hands free use*: 1000V, 10A, -13 to 176°F (-25°C to 80°C).

\*Std. Colors: -0 Black, -2 Red.

## Alligator Test Clip Patch Cord



| Model#    | Length      |
|-----------|-------------|
| AL-B-12-* | 12in (0.3m) |
| AL-B-24-* | 24in (0.6m) |
| AL-B-36-* | 36in (0.9m) |
| AL-B-48-* | 48in (1.2m) |
| AL-B-60-* | 60in (1.5m) |

**Jaw Opening:** 0.300in (7.62mm).

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Alligator Test Clip Patch Cord Kit

| Model#  | Length      |                                                                       |
|---------|-------------|-----------------------------------------------------------------------|
| 6356-12 | 12in (0.3m) | Kit contains 10pcs. of Model AL-B patch cords, one each of 10 colors. |
| 6356-24 | 24in (0.6m) |                                                                       |
| 6356-36 | 36in (0.9m) |                                                                       |
| 6356-60 | 60in (1.5m) |                                                                       |

## 5 Way Alligator to Sheathed Right Angle Set



| Model#     | Length       |
|------------|--------------|
| 6483-48-02 | 48in (1.2mm) |

Clip includes bed of nails and single needle tip for easy, versatile piercing of wire insulation to contact inner conductor for measurement.

Pierces 19 to 26 AWG wire.

**Std. Colors:** -0 Black, -2 Red, -02 Set of one black and one red.

## Multi-Stacking Banana Plug to Minigator Test Clip



| Model#    | Length       |
|-----------|--------------|
| 3220-12-* | 12in (0.3m)  |
| 3220-24-* | 24in (0.6m)  |
| 3220-36-* | 36in (0.9m)  |
| 3220-48-* | 48in (1.2mm) |

**Jaw Opening:** 0.187in (4.75mm).

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/45 Vdc. Maximum voltage for *hands free use*: 45V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Retractable Sheath Banana Plug Patch Cord



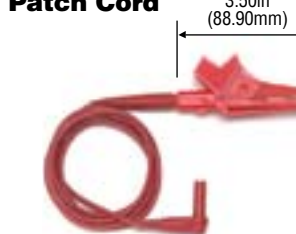
| Model#     | Length       |
|------------|--------------|
| 4911A-12-* | 12in (0.3m)  |
| 4911A-24-* | 24in (0.6m)  |
| 4911A-36-* | 36in (0.9m)  |
| 4911A-48-* | 48in (1.2mm) |
| 4911A-60-* | 60in (1.5mm) |

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.

**Rating:** 1000V per IEC61010-2-031, 10A, +176°F (+80°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Extra Large Alligator Test Clip to Sheathed Banana Plug Patch Cord



| Model#    | Length      |
|-----------|-------------|
| 6570-36-* | 36in (0.9m) |

**Alligator length:** 3.6in (91.44mm).

**Jaw Opening:** 0.8in (20.32mm).

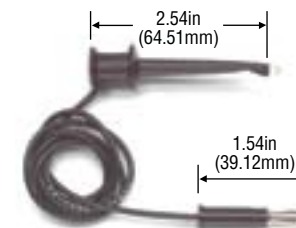
**Rating:** Conforms to IEC61010-2-031, Overvoltage.

Category III, 1000V, 10A.

**Cable:** High flex 18 AWG Silicone wire.

\*Std. Colors: -0 Black, -2 Red.

## Minigrabber® Test Clip to Straight Banana Plug Patch Cord



| Model#    | Length      |
|-----------|-------------|
| 4650-24-* | 24in (0.6m) |
| 4650-36-* | 36in (0.9m) |

Hook attaches to component leads up to 0.060in (1.52mm) O.D.

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 300V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

## 0.025in (0.64mm) Square Pin Jack to Straight Banana Plug



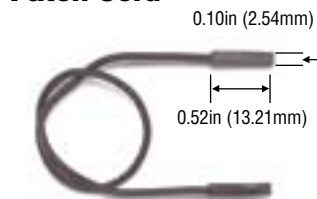
| Model#    | Length      |
|-----------|-------------|
| 4771-24-* | 24in (0.6m) |
| 4771-36-* | 36in (0.9m) |

**Cable:** 22 AWG Wire, 0.064in (1.63mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 33 Vrms/70 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

## 0.025in (0.64mm) Square Pin Jack Patch Cord



| Model#    | Length      |
|-----------|-------------|
| 4741-6-*  | 6in (0.15m) |
| 4741-12-* | 12in (0.3m) |
| 4741-24-* | 24in (0.6m) |

**Cable:** 22 AWG Wire, 0.064in (1.63mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/60 Vdc. Maximum voltage for *hands free use*: 45 Vac/60 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +122°F (+50°C) max.

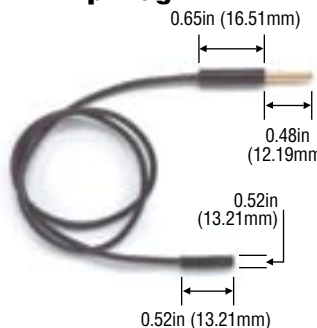
\*Std. Colors: -0 Black, -2 Red.

## 0.025in (0.64mm) Square Pin Jack Patch Cord Kit

| Model# | Length |
|--------|--------|
|--------|--------|

Kit contains 10 pcs. of Model 4741-6, one ea. of 10 colors.

## 0.025in (0.64mm) Square Pin Jack to 0.080in (2.03mm) Pin Tip Plug



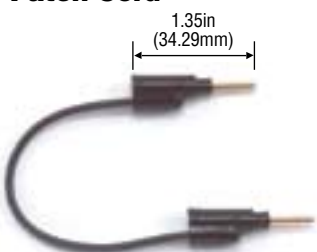
| Model#    | Length      |
|-----------|-------------|
| 4772-24-* | 24in (0.6m) |

**Cable:** 22 AWG Wire, 0.064in (1.63mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/60 Vdc. Maximum voltage for *hands free use*: 45 Vac/60 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Stacking Pin Tip Plug Patch Cord



| Model# | Length      |
|--------|-------------|
| P-4-*  | 4in (0.1m)  |
| P-8-*  | 8in (0.2m)  |
| P-12-* | 12in (0.3m) |
| P-18-* | 18in (0.5m) |
| P-24-* | 24in (0.6m) |
| P-36-* | 36in (0.9m) |

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Banana Plug to Banana Jack



| Model#    | Length      |
|-----------|-------------|
| 4702-24-* | 24in (0.6m) |
| 4702-36-* | 36in (0.9m) |
| 4702-48-* | 48in (1.2m) |

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Minigrabber® Test Clip to Miniature Stacking Banana Plug



| Model#    | Length      |
|-----------|-------------|
| 3784-24-* | 24in (0.6m) |
| 3784-36-* | 36in (0.9m) |

Hook attaches to component leads up to 0.06in (1.52mm) O.D.

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 300V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Miniature Stacking Banana Plug Patch Cord



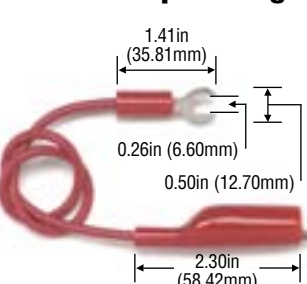
| Model#    | Length      |
|-----------|-------------|
| 1081-4-*  | 4in (0.1m)  |
| 1081-8-*  | 8in (0.2m)  |
| 1081-12-* | 12in (0.3m) |
| 1081-18-* | 18in (0.5m) |
| 1081-24-* | 24in (0.6m) |
| 1081-36-* | 36in (0.9m) |
| 1081-48-* | 48in (1.2m) |
| 1081-60-* | 60in (1.5m) |

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Alligator Test Clip to Insulated Spade Lug



| Model#    | Length      |
|-----------|-------------|
| 1960-36-* | 36in (0.9m) |

**Jaw Opening:** 0.30in (7.62mm).

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

Pomona – the place to make your connections. From setting up system electronics to circuitry prototyping to creating permanent junctions, Pomona provides you with the boxes and enclosures to securely seal signal sensitive cables and wires. The large variety of die-cast aluminum connectorized enclosures and phenolic or molded thermoplastic boxes are ready to house components in styles and sizes that will simplify your interconnections.

### Miniature Size Die Cast Aluminum Box with Cover



3753/3754



3752

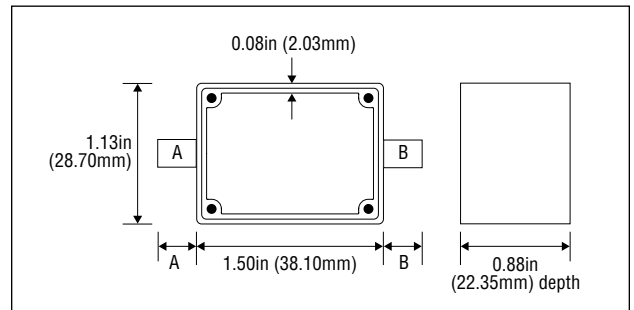


3751

| Model# | Finish                                       | Connector: A |                  | Connector: B |                  |
|--------|----------------------------------------------|--------------|------------------|--------------|------------------|
|        |                                              | Type         | Length           | Type         | Length           |
| 3754   | None                                         | –            | –                | –            | –                |
| 3753   | BBE                                          | –            | –                | –            | –                |
| 3751   | BBE                                          | BNC (F)      | 0.72in (18.29mm) | BNC (F)      | 0.72in (18.29mm) |
| 3752   | BBE                                          | BNC (F)      | 0.72in (18.29mm) | BNC (M)      | 0.85in (21.59mm) |
| 4742   | Replacement cover                            |              |                  |              |                  |
| 4864   | Cover screws, 100/pkg                        |              |                  |              |                  |
| 2352   | Connector screws with solder turret, 100/pkg |              |                  |              |                  |

BBE = Blue Baked Enamel

Cover and screws included with all boxes.



### “A” Size Die Cast Aluminum Box with Cover



2397/2400



2390



2391



2392



2401



2393



2399



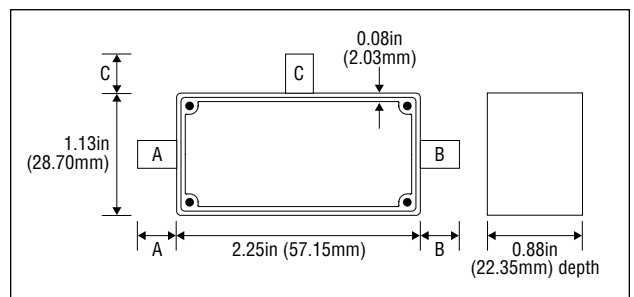
2398

| Model# | Finish                              | Connector: A |                  | Connector: B |                  | Connector: C |                  |
|--------|-------------------------------------|--------------|------------------|--------------|------------------|--------------|------------------|
|        |                                     | Type         | Length           | Type         | Length           | Type         | Length           |
| 2400   | None                                | –            | –                | –            | –                | –            | –                |
| 2397   | BBE                                 | –            | –                | –            | –                | –            | –                |
| 2390   | BBE                                 | BNC (F)      | 0.72in (18.29mm) | BNC (F)      | 0.72in (18.29mm) | –            | –                |
| 2391   | BBE                                 | BNC (M)      | 0.85in (21.59mm) | BNC (F)      | 0.72in (18.29mm) | –            | –                |
| 2392   | BBE                                 | BNC (F)      | 0.72in (18.29mm) | BNC (F)      | 0.72in (18.29mm) | BNC (F)      | 0.72in (18.29mm) |
| 2401   | BBE                                 | BNC (F)      | 0.72in (18.29mm) | BNC (F)      | 0.72in (18.29mm) | BNC (M)      | 0.85in (21.59mm) |
| 2393   | BBE                                 | BNC (F)      | 0.72in (18.29mm) | BNC (M)      | 0.85in (21.59mm) | PDB          | 0.82in (20.83mm) |
| 2398   | BBE                                 | SMA (F)      | 0.38in (9.69mm)  | SMA (M)      | 0.38in (9.69mm)  | –            | –                |
| 2399   | BBE                                 | SMA (F)      | 0.38in (9.69mm)  | SMA (F)      | 0.38in (9.69mm)  | –            | –                |
| 4245   | Replacement cover                   |              |                  |              |                  |              |                  |
| 3728   | Flange mounting cover               |              |                  |              |                  |              |                  |
| 4864   | Cover screws, 100/pkg               |              |                  |              |                  |              |                  |
| 2352   | Connector screws with solder turret |              |                  |              |                  |              |                  |

BBE = Blue Baked Enamel

PDB = Post, Double Binding

Cover and screws included with all boxes.



### “B” Size Die Cast Aluminum Box with Cover



2417/2428



3230



3231



3239



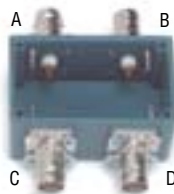
2411



3232



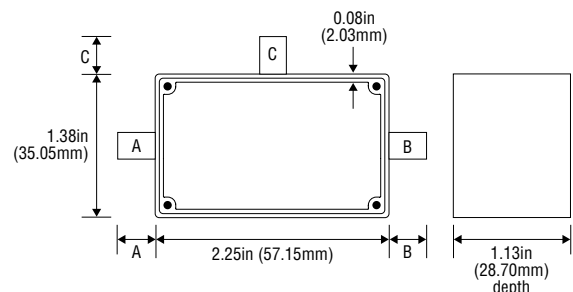
2420



3234

| Model# | Finish                              | Connector: A |                  | Connector: B |                  | Connector: C |                  | Connector: D |                  |
|--------|-------------------------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|
|        |                                     | Type         | Length           | Type         | Length           | Type         | Length           | Type         | Length           |
| 2428   | None                                | —            | —                | —            | —                | —            | —                | —            | —                |
| 2417   | BBE                                 | —            | —                | —            | —                | —            | —                | —            | —                |
| 3230   | BBE                                 | BNC (F)      | 0.72in (18.29mm) | BNC (F)      | 0.72in (18.29mm) | —            | —                | —            | —                |
| 3231   | BBE                                 | BNC (F)      | 0.72in (18.29mm) | BNC (M)      | 0.85in (21.59mm) | —            | —                | —            | —                |
| 2411   | BBE                                 | N (M)        | 0.81in (20.57mm) | N (F)        | 0.75in (19.05mm) | —            | —                | —            | —                |
| 3239   | BBE                                 | IBNC         | 0.47in (11.94mm) | IBNC         | 0.47in (11.94mm) | —            | —                | —            | —                |
| 2420   | BBE                                 | BNC (F)      | 0.72in (18.29mm) | N (M)        | 0.75in (19.05mm) | —            | —                | —            | —                |
| 3232   | BBE                                 | BNC (F)      | 0.72in (18.29mm) | BNC (F)      | 0.72in (18.29mm) | BNC (F)      | 0.72in (18.29mm) | —            | —                |
| 3234   | BBE                                 | BNC (F)      | 0.72in (18.29mm) | BNC (F)      | 0.72in (18.29mm) | BNC (F)      | 0.72in (18.29mm) | BNC (F)      | 0.72in (18.29mm) |
| 4246   | Replacement cover                   |              |                  |              |                  |              |                  |              |                  |
| 3719   | Flange mounting cover               |              |                  |              |                  |              |                  |              |                  |
| 4864   | Cover screws, 100/pkg               |              |                  |              |                  |              |                  |              |                  |
| 2352   | Connector screws with solder turret |              |                  |              |                  |              |                  |              |                  |

BBE = Blue Baked Enamel IBNC = Isolated BNC Cover and screws included with all boxes.



### “C” Size Die Cast Aluminum Box with Cover



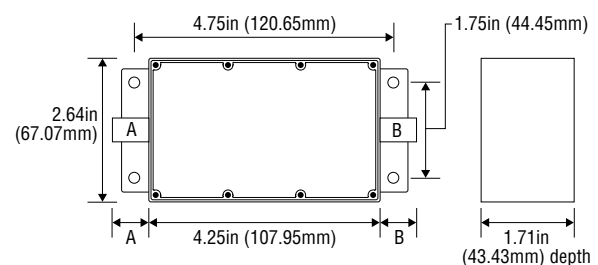
2901 / 2906



2902

| Model# | Finish                              | Connector: A |                | Connector: B |                |
|--------|-------------------------------------|--------------|----------------|--------------|----------------|
|        |                                     | Type         | Length         | Type         | Length         |
| 2906   | None                                | —            | —              | —            | —              |
| 2901   | BBE                                 | —            | —              | —            | —              |
| 2902   | BBE                                 | BNC (F)      | 0.72 (18.29mm) | BNC (F)      | 0.72 (18.29mm) |
| 4248   | Replacement cover                   |              |                |              |                |
| 2352   | Connector screws with solder turret |              |                |              |                |

BBE = Blue Baked Enamel Cover and screws included with all boxes.



**"D" Size Die Cast Aluminum Box with Cover**



3602

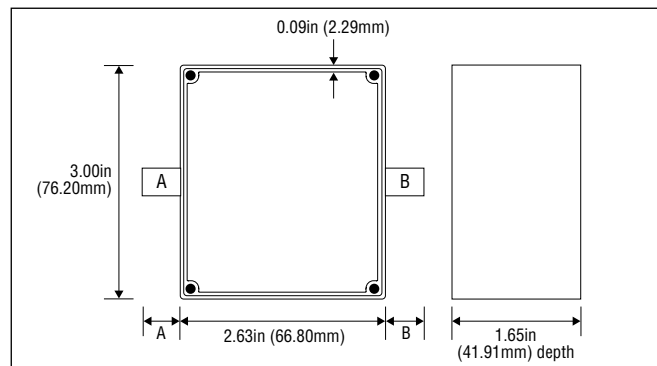
3603



3601/3606

| Model# | Finish                              | Connector: A |                | Connector: B |                |
|--------|-------------------------------------|--------------|----------------|--------------|----------------|
|        |                                     | Type         | Length         | Type         | Length         |
| 3606   | None                                | —            | —              | —            | —              |
| 3601   | BBE                                 | —            | —              | —            | —              |
| 3602   | BBE                                 | BNC (F)      | 0.72 (18.29mm) | BNC (F)      | 0.72 (18.29mm) |
| 3603   | BBE                                 | BNC (F)      | 0.72 (18.29mm) | BNC (M)      | 0.85 (21.59mm) |
| 4726   | Replacement cover                   |              |                |              |                |
| 2352   | Connector screws with solder turret |              |                |              |                |

BBE = Blue Baked Enamel Cover and screws included with all boxes.



**"E" Size Die Cast Aluminum Box with Cover**

| Model# | Finish            |
|--------|-------------------|
| 5186   | None              |
| 4226   | Blue Baked Enamel |
| 4416   | Replacement cover |

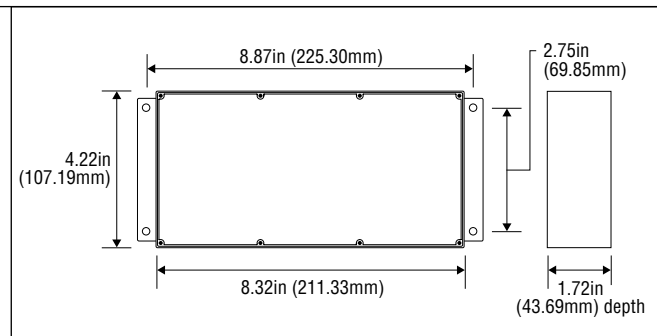
Cover and screws included.

**Recommended Circuit Board Sizes:**

8.00in x 1.49in x .062in,  
(203.2mm x 37.85 x 1.57mm) Thick.  
3.90in x 1.49in x .062in,  
(99.06mm x 37.85 x 1.57mm) Thick.  
7.60in x 3.40in x .062in,  
(193.04mm x 86.36mm x 1.57mm) Thick.



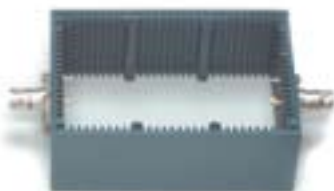
4226



**"F" Size Extruded Aluminum Box with Covers**



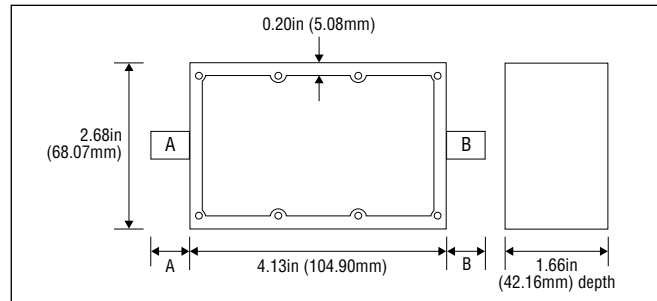
3301/3306



3302

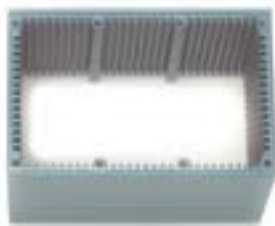
| Model# | Finish                              | Connector: A |                  | Connector: B |                  |
|--------|-------------------------------------|--------------|------------------|--------------|------------------|
|        |                                     | Type         | Length           | Type         | Length           |
| 3306   | None                                | —            | —                | —            | —                |
| 3301   | BBE                                 | —            | —                | —            | —                |
| 3302   | BBE                                 | BNC (F)      | 0.72in (18.29mm) | BNC (F)      | 0.72in (18.29mm) |
| 4247   | Replacement cover                   |              |                  |              |                  |
| 3328   | Flange mounting cover               |              |                  |              |                  |
| 4862   | Cover screws, 100/pkg               |              |                  |              |                  |
| 2352   | Connector screws with solder turret |              |                  |              |                  |

BBE = Blue Baked Enamel Cover and screws included with all boxes.



**Recommended Circuit Board Sizes:**

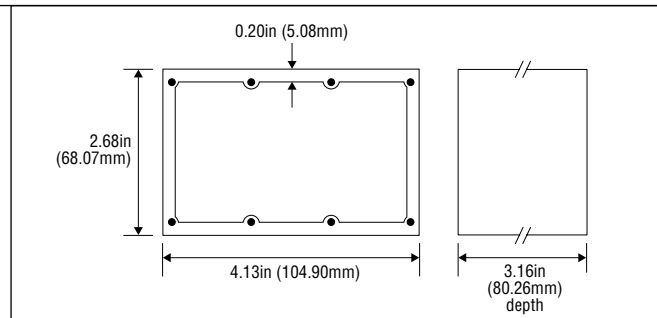
3.90in x 1.48in x 0.062in,  
(99.06mm x 37.59 x 1.57mm) Thick. 2.40in x 1.48in x 0.062in,  
(60.96mm x 37.59mm x 1.57mm) Thick.

**“G” Size Extruded Aluminum Box with Cover**

3311

| Model# | Finish                |
|--------|-----------------------|
| 3316   | None                  |
| 3311   | Blue Baked Enamel     |
| 4247   | Replacement cover     |
| 3328   | Flange mounting cover |
| 4862   | Cover screws, 100/pkg |

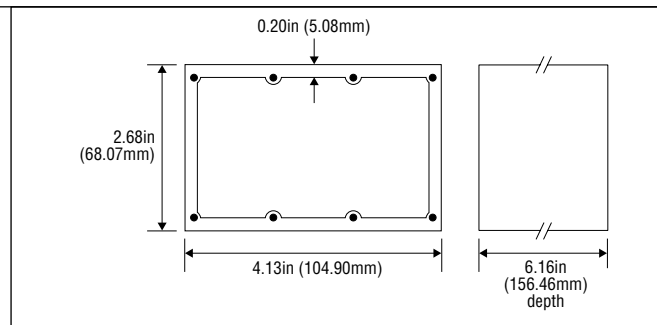
Cover and screws included.

**Recommended Circuit Board Sizes:**3.90in x 2.98in x .062in,  
(99.06mm x 75.69mm x 1.57mm) Thick.2.40in x 2.98in x .062in,  
(60.96mm x 75.69mm x 1.57mm) Thick.**“H” Size Extruded Aluminum Box with Cover**

3742

| Model# | Finish                |
|--------|-----------------------|
| 3743   | None                  |
| 3742   | Blue Baked Enamel     |
| 4247   | Replacement cover     |
| 3328   | Flange mounting cover |
| 4862   | Cover screws, 100/pkg |

Cover and screws included.

**Recommended Circuit Board Sizes:**3.90in x 5.98in x .062in,  
(99.06mm x 75.69mm x 1.57mm) Thick.2.40in x 5.98in x 0.062in,  
(60.96mm x 75.69mm x 1.57mm) Thick.**“J” Size Die Cast Aluminum Box with Cover**

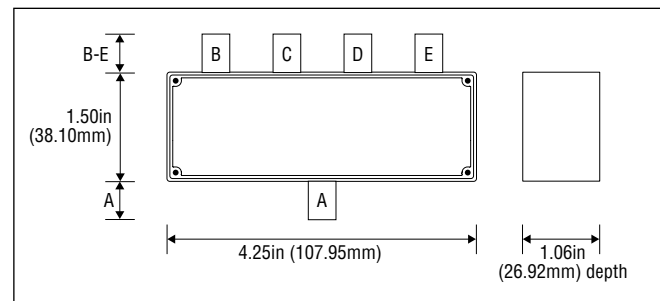
4655/5255



4656

| Model# | Finish                | Connector: A |                | Connector: B to E |                |
|--------|-----------------------|--------------|----------------|-------------------|----------------|
|        |                       | Type         | Length         | Type              | Length         |
| 5255   | None                  | —            | —              | —                 | —              |
| 4655   | BBE                   | —            | —              | —                 | —              |
| 4656   | BBE                   | BNC (F)      | 0.72 (18.29mm) | BNC (F)           | 0.72 (18.29mm) |
| 4658   | Replacement cover     |              |                |                   |                |
| 4864   | Cover screws, 100/pkg |              |                |                   |                |

BBE = Blue Baked Enamel Cover and screws included with all boxes.

**Recommended Circuit Board Sizes:**4.13in x 0.87in x 0.062in,  
(104.9mm x 22.10mm x 1.57mm) Thick.1.38in x 0.87in x .062in,  
(35.05mm x 22.10mm x 1.57mm) Thick.

**"L" Size Die Cast Aluminum Box with Cover**



4903

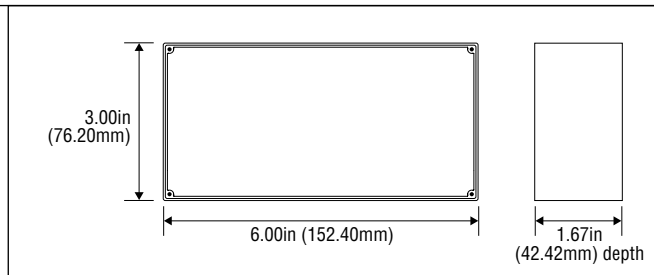
| Model# | Finish                |
|--------|-----------------------|
| 5203   | None                  |
| 4903   | Blue Baked Enamel     |
| 5198   | Replacement cover     |
| 4864   | Cover screws, 100/pkg |

Cover and screws included.

**Recommended Circuit Board Sizes:**

5.88in x 1.48in x .062in,  
(149.35mm x 37.59mm x 1.57mm) Thick.

2.88in x 1.48in x .062in,  
(73.15mm x 37.59mm x 1.57mm) Thick.



**Black Phenolic Box with Cover**



2105



2259



2098



2096

| Model# | Finish | Connector: A |                  | Connector: B |                  |
|--------|--------|--------------|------------------|--------------|------------------|
|        |        | Type         | Length           | Type         | Length           |
| 2105   | EGP    | —            | —                | —            | —                |
| 2259   | EGP    | PDB          | 0.80in (20.32mm) | DBP          | 0.70in (17.78mm) |
| 2098   | EGP    | DBJ          | —                | DBP          | 0.70in (17.78mm) |
| 2096   | EGP    | —            | —                | DBP          | 0.70in (17.78mm) |

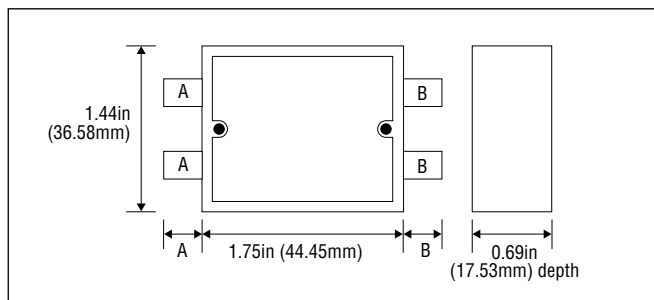
EGP = Electrical Grade Phenolic

PDB = Post, Double Binding

DBJ = Double Banana Jack

DBP = Double Banana Plug

Cover and screws included with all boxes.



**Black Phenolic Box with Cover**



2103



2099

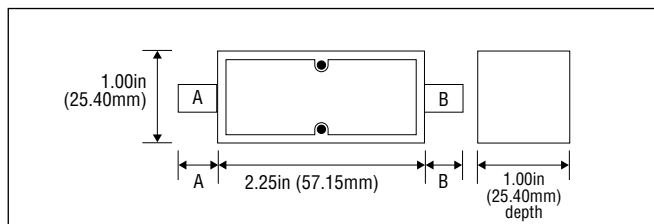
| Model# | Finish | Connector: A |                | Connector: B |                |
|--------|--------|--------------|----------------|--------------|----------------|
|        |        | Type         | Length         | Type         | Length         |
| 2103   | EGP    | —            | —              | —            | —              |
| 2099   | EGP    | BNC (M)      | 0.85 (21.59mm) | BNC (F)      | 0.72 (18.29mm) |

EGP = Electrical Grade Phenolic

DBJ = Double Banana Jack

DBP = Double Banana Plug

Cover and screws included with all boxes.



**Black Phenolic Box with Cover**

2224



2104

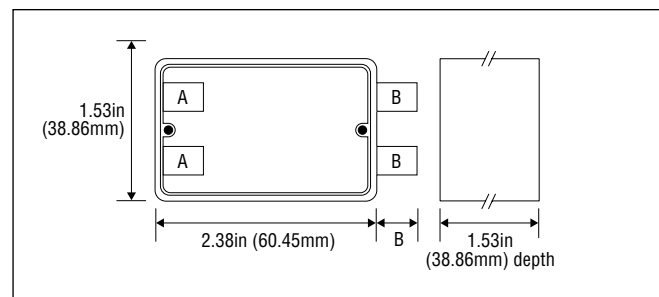
| Model# | Finish | Connector: A |        | Connector: B |                |
|--------|--------|--------------|--------|--------------|----------------|
|        |        | Type         | Length | Type         | Length         |
| 2104   | EGP    | —            | —      | —            | —              |
| 2224   | EGP    | DBJ          | —      | DBP          | 0.70 (17.78mm) |

EGP = Electrical Grade Phenolic

DBJ = Double Banana Jack

DBP = Double Banana Plug

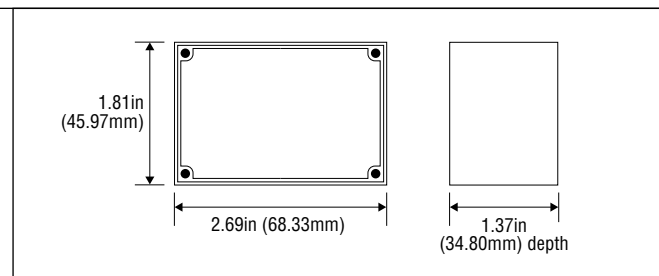
Cover and screws included with all boxes.

**Molded Thermoplastic Box with Card Guides and Cover**

3850-0

| Model# | Finish                |
|--------|-----------------------|
| 3850-0 | Black - Thermoplastic |
| 3850-6 | Blue - Thermoplastic  |
| 4864   | Cover screws, 100/pkg |

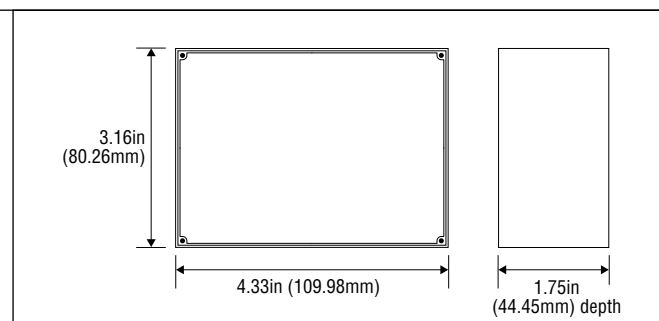
Cover and screws included.

**Recommended Circuit Board Sizes:**2.51in x 1.60in x .062in,  
(63.35mm x 40.64mm x 1.57mm) Thick.**Molded Thermoplastic Box with Card Guides and Cover**

4384-0

| Model# | Finish                |
|--------|-----------------------|
| 4384-0 | Black - Thermoplastic |
| 4384-6 | Blue - Thermoplastic  |
| 4864   | Cover screws, 100/pkg |

Cover and screws included.

**Recommended Circuit Board Sizes:**3.93in x 1.58in x 0.062in  
(99.82mm x 40.13mm x 1.57mm) Thick.3.90in x 2.98in x 0.062in,  
(99.06mm x 75.69mm x 1.57mm) Thick.

Connecting with the industry's leading digital multimeter brands, Pomona provides the world's largest selection of test leads and probes. Superior materials and outstanding design, assure conformity with industry-leading reliability and performance standards. From high-density IC leads to voltage on a distribution panel, Pomona connects you with the right solution.

### Deluxe Multi-Use DMM Maxi-Kit

Model# 5677B



1. Silicone insulated 4ft (1.2m) leads with right angle plug.
2. Modular probe set with replaceable tips.
3. 5 sets of replacement tips.
4. Retractable tip test probe set.
5. Test lead coupler set.
6. Medium alligator clip set.
7. Large alligator clip set.
8. Spade lugs.
9. IC probe tip adapter.
10. Minigrabber® test clip leads.
11. Minipincer® test clip leads.
12. Nylon storage pouch.

- Modular probes with interchangeable tips.
- Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs for most meters from Fluke, HP, Metorman, Amprobe, and others.
- New retractable tip probe with 3in (76.2mm) long tip and silicone leads.
- Minigrabber® and Minipincer® test clip leads attach to test leads.
- Test lead coupler connects leads to probe set for 16ft (4.8m) reach.
- Nylon storage pouch with compartments for accessories.

### Electronic DMM Maxi-Kit

Model# 6340



1. Silicone insulated 4ft (1.2m) leads.
2. Modular probe set.
3. Precision electronic probes.
4. 4 sets of replacements tips.
5. Test lead couplers.
6. Medium alligator clips.
7. Large alligator clips.
8. Minigrabber® test clip leads.
9. Minipincer® test clip leads.
10. Spade lugs.
11. Nylon storage pouch.

- Modular probes with caged-spring tips fit 4mm sockets.
- Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs fit most meters from Fluke, HP, Metorman, Amprobe, Greenlee and others.
- Precision Electronic probe with replacement tips offers flexibility in testing.
- Minigrabber® and Minipincer® test clip leads for smaller test points.
- Nylon storage pouch with compartments for accessories.

## Deluxe Electronic DMM Test Lead Kit



Model# 5674C

1. Silicone insulated 4 ft (1.2m) leads with right-angle plug.
  2. Modular probe set with standard tips.
  3. Extended probe tip adapters.
  4. Medium alligator clips.
  5. IC probe tip adapters.
  6. Minigrabber® test clip leads.
  7. Minipincer® test clip leads.
  8. Maxigrabber® test clips with pincer tip.
  9. Nylon storage pouch.
- Modular probes with standard probe tips.
  - Insulated 4ft (1.2m) test leads with right-angle DMM plugs fit most meters from Fluke, HP, Metorman, and others.
  - Probe tip extender with 3in (76.2mm) long tip.
  - Minigrabber® test clip leads attach to test leads.
  - Minipincer® test clip leads for fine pitch chip leads.
  - Maxigrabber® test clips attach to test leads.
  - Nylon storage pouch with compartments for accessories.

## Electronic DMM Test Lead Kit



Model# 5543B

1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
  2. Modular electronic test probes with standard tips.
  3. Extended fine-tip probe adapter -red.
  4. Medium alligator clip -black.
  5. IC probe tip adapter -red.
  6. Insulated spade lug -black.
  7. Minipincer® test clip lead -red.
  8. Minigrabber® test clip lead -red.
  9. Nylon storage pouch.
- Silicone insulated 4ft (1.2m) test leads fit meters from Fluke, HP, Metorman, and others.
  - Modular electronic test probes attach to leads.
  - Extended fine-point adapter attaches to probe tips.
  - IC adapter attaches to probe for secure probing on chip leads.
  - Minipincer® test clip lead for fine pitch chip leads.
  - Minigrabber® test clip lead extend the reach of the test leads.

## Basic Electronic DMM Test Lead Kits



| Model# | Plug Type               | Ratings                    |
|--------|-------------------------|----------------------------|
| 6343   | Right-angle DMM plugs   | UL IEC61010, CAT III 1000V |
| 5672A  | Right-angle banana plug | 33 Vac/70 Vdc              |
| 6344   | Straight DMM plugs      | UL IEC61010, CAT III 1000V |
| 5325A  | Stacking banana plugs   | 33 Vac/70 Vdc              |

1. Comfort-grip DMM test probes.
  2. Silicone insulated 4ft (1.2m) leads.
  3. Extended probe tip adapters.
  4. Alligator clip probe tip adapters.
  5. Plastic storage case (not shown).
- Note:** Model 5672A has HEAVY-DUTY stainless-steel tips.
- See page 62 for banana plug types.
- Featuring Pomona's new comfort-grip probes.
  - Monolithic probes with fixed tips.
  - DMM plugs fit most meters from Fluke, Metorman, HP, Amprobe, Greenlee, and others.
  - Extended tip adapter has sharp needle point.
  - Alligator clip adapter snaps onto the probe tip.

### Deluxe Electronic Bench DMM Test Lead Kit



| Model# | Features           | Ratings                          |
|--------|--------------------|----------------------------------|
| 6204A  | Straight DMM plugs | CAT III, 600V per IEC61010-2-031 |

1. Silicone insulated 4ft (1.2m) test leads with straight DMM plugs.
  2. Modular electronic test probes with standard tips.
  3. Extended fine-tip probe adapters.
  4. Medium alligator clips.
  5. IC lead probe tip adapters.
  6. Insulated spade lugs.
  7. Minipincer® test clip leads.
  8. Minigrabber® test clip leads.
  9. Nylon storage pouch.
- Silicone insulated 4ft (1.2m) leads fit meters from Fluke, HP (Agilent), Keithley and others.
  - Modular electronic test probes attach to leads.
  - Extended fine-point adapters attach to probe tips.
  - IC adapters attach to probes for secure probing on chip leads.
  - Minipincer® test clip leads for fine pitch chip leads.
  - Minigrabber® test clip leads extend the reach of the test leads.

### Electronic Bench DMM Test Lead Kit



| Model# | Features | Ratings |
|--------|----------|---------|
| 5901B  |          |         |

1. Silicone insulated 4ft (1.2m) test leads with straight DMM plugs.
  2. Modular electronic test probes with replaceable tips.
  3. 5 sets of replacement probe tips
  4. Medium alligator clips.
  5. Insulated spade lugs.
  6. Minigrabber® test clip leads.
  7. Nylon storage pouch.
- DMM plugs fit meters from Fluke, HP (Agilent), Keithley and others.
  - Modular electronic test probes with replaceable tips adapt to many different modes.
  - Replacement probe tips offer a wide variety of probing solutions.
  - Alligator clips attach to test lead for reliable connections.
  - Spade lugs attach to test leads for binding posts or terminal screws.
  - Minigrabber® test clip leads extend the reach of the test leads.
  - Uses 080 probe tips, see page 14 for replacement tips.
  - Rated CAT II 600V 10A.

### Deluxe Automotive DMM Test Lead Kit



| Model# | Features | Ratings |
|--------|----------|---------|
| 6530A  |          |         |

1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
  2. Heavy-duty modular test probes with stainless-steel tips.
  3. Heavy-duty alligator clips.
  4. Insulation piercing clips.
  5. Maxigrabber® test clips with alligator jaws.
  6. Maxigrabber® test clips with hook.
  7. Backprobe pins.
  8. Nylon storage pouch.
- Alligator clips attach to test lead for reliable connections.
  - Sharp stainless-steel probe tips resist wear.
  - Insulation piercing clips make connections without stripping insulation from wires.
  - Backprobe pins access contacts through the back side of automotive connectors.
  - DMM plugs fit meters from Fluke, Mettman, Amprobe, Greenlee and others.
  - Maxigrabber® test clips with alligator jaws for quick and easy connections.

## Industrial/Automotive DMM Test Lead Kit

Model# 5903A



1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
2. Heavy-duty modular test probes.
3. Heavy-duty alligator clips.
4. Insulation piercing clips.
5. Maxigrabber® test clips with alligator jaws.
6. Nylon storage pouch.

- DMM plugs fit meters from Fluke, Metorman, Amprobe, Greenlee and others.
- Sharp stainless-steel probe tips resist wear.
- Alligator clips attach to test lead for reliable connections.
- Insulation piercing clips make connections without stripping insulation from wires.
- Maxigrabber® test clips with alligator jaws for quick and easy connections.

## Deluxe Electrical DMM Test Lead Kit

| Model# | Plug Type            | Ratings                          |
|--------|----------------------|----------------------------------|
| 5904A  | Right-angle DMM plug | CAT III 1000V per IEC61010-2-031 |



1. Silicone insulated 4ft (1.2m) test leads.
2. Modular electrical test probes with stainless-steel tips.
3. Maxigrabber® test clips with jaws.
4. Maxigrabber® test clips with hooks.
5. Maxigrabber® test clips with pincers.
6. Large alligator clips.
7. Nylon Storage pouch.

- DMM plugs fit meters from Fluke, Metorman, Amprobe, Greenlee and others.
- Alligator clips attach to the test leads for secure connections.
- Maxigrabber® test clips attach to test leads.
- Nylon storage pouch to contain all kit components.

## Electrical DMM Test Lead Kit

Model# 5673B



1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
2. Modular electrical test probes with stainless-steel tips.
3. Extended tip probe adapters.
4. Insulated spade lugs.
5. Medium alligator clips.
6. Large alligator clips.
7. Nylon storage pouch.

- DMM plugs fit meters from Fluke, Metorman, Greenlee, Amprobe and others.
- Spade lugs connect to test leads and can be secured to binding posts or terminals.
- Alligator clips plug into the test leads.

### Basic Electrical DMM Test Lead Kit

| Model# | Plug Type            | Ratings                          |
|--------|----------------------|----------------------------------|
| 5900A  | Right-angle DMM plug | CAT III 1000V per IEC61010-2-031 |



1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
  2. Modular electrical test probes with standard tips.
  3. Maxigrabber® test clips.
  4. Nylon storage pouch.
- DMM plugs fit meters from Fluke, Meterram, Greenlee, Amprobe and others.
  - Maxigrabber® test clips with jaws attach to test leads.
  - Nylon carrying pouch included.

### Multi-Use DMM Test Lead Kit

| Model# | Ratings                          |
|--------|----------------------------------|
| 5899A  | CAT III 1000V per IEC61010-2-031 |



1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
  2. Modular electrical test probes with standard tip.
  3. Maxigrabber® with pincer tips.
  4. Medium alligator clips.
  5. Nylon storage pouch.
- DMM plugs fit meters from Fluke, Meterram, Greenlee, Amprobe and others.
  - Alligator clips attach to test lead for reliable connections.
  - Maxigrabber® test clips with pincers for quick and easy connections.

### Deluxe Industrial Test Companion™ Kit

**Model# 6173A**

Includes shoulder-pack style Cordura carrying case plus the following IEC61010 compliant test accessories:



1. Modular Electrical Test Probe Set with Banana Plug Tip.
2. Flexible Test Lead Set with Right-Angle and Straight Banana Plugs.
3. Probe Lead Set with Sharp Stainless Steel Tip.
4. Maxigrabber® Test Clip Set with Pincer Tip.
5. Maxigrabber® Test Clip Set with Hook Tip.
6. Maxigrabber® Test Clip Set with Jaws.
7. Extra Large Alligator Clip Set.
8. Medium Alligator Clip Set.
9. Insulated Spade Lug Sets (2).

### Deluxe Electronic Test Companion™ Kit



Model# 6345

Includes large briefcase style Cordura carrying case plus the following test accessories:

1. Modular Electronic Probe Set with Replaceable Tip.
2. Assorted Replacement Tips.
3. Flexible Test Lead Set with Right Angle and Straight Banana Plugs.
4. SMD Test Tweezer® to Banana Plugs.
5. Minigrabber® Test Clip Leads.
6. Minipincer® Test Clip Leads.
7. Micrograbber® Test Clip Leads.
8. SMD Grabber® Test Clip Leads.
9. Medium Alligator Clip Set.
10. Slide-on Extended Tip Set.
11. Slide-on IC Tip Set.
12. Spade Lug Adapter Set.

### Industrial Test Companion™ Kit



Model# 6172A

Includes shoulder-pack style Cordura carrying case plus the following IEC61010 compliant test accessories:

1. Modular Electrical Test Probe Set with Banana Plug Tip.
2. Flexible Test Lead Set with Right-Angle and Straight Banana Plugs.
3. Probe Lead Set with Sharp Stainless Steel Tip.
4. Maxigrabber® Test Clip Set with Pincer Tip.
5. Maxigrabber® Test Clip Set with Hook Tip.
6. Medium Alligator Clip Set.
7. Insulated Spade Lug Set.

### Electronic Test Companion™ Kit



Model# 6174

Includes shoulder-pack style Cordura carrying case plus the following test accessories:

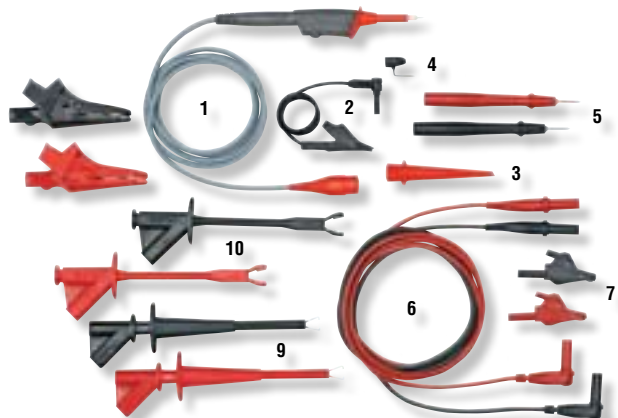
1. Modular Electronic Probe Set with 0.080in (2.03mm) diameter tip.
2. Flexible Test Lead Set with Right-Angle and Straight Banana Plugs.
3. SMD Test Tweezer® to Banana Plugs.
4. Minigrabber® Test Clip Leads.
5. Micrograbber® Test Clip Leads.
6. SMD Grabber® Test Clip Leads.
7. Medium Alligator Clip Set.
8. Slide-on Extended Tip Set.
9. Slide-on IC Tip Set.
10. Spade Lug Adapter Set.

## Probe and Lead Kit for Portable Scopes

**Model# 72942**

Includes shoulder-pack style Cordura carrying case plus the following test accessories:

1. Red Scope Probe, 500 MHz, see page 77.
2. Black Ground Lead.
3. Red Sprung Hook.
4. Probe Tip Ground.
5. Modular Test Probe with Standard 0.080in (2mm) Tip.
6. Flexible Test Lead Set with Straight and Right-Angle Banana Plugs.
7. Medium Alligator Clip Set.
8. Extra Large Alligator Clip Set.
9. Maxigrabber® Set Pincer Style.
10. Maxigrabber® Test Clip Set with Jaws.



## Precision Electronic Test Probe Set



| Model# | Features                                        | Ratings                 |
|--------|-------------------------------------------------|-------------------------|
| 6341   | Probe set with complete set of 5 tips           | IEC61010 CAT III 1000V* |
| 6342   | Probe set with sharp point gold pogo pin tips   | CAT III 1000V           |
| 6275   | Probe set with sharp stainless steel rigid tips | CAT III 1000V           |
| 6354   | Replacement probe tips. Set of 5 types.         |                         |

- Replaceable 0.04in (1.52mm) pogo-pin tips.
- Small outline for tight test situations.
- Replaceable pogo-pin tips.
- Comfort-grip textured surface.
- Fits all meters including Fluke, HP (Agilent), Keithley, Mettman and others.
- Silicone insulated leads resist abrasion and heat.

### Replacement Tips

1. Sharp-point gold pogo-pin.
2. Tri-point gold pogo-pin.
3. Quad-point gold pogo-pin.
4. Sharp stainless steel rigid.
5. 3in (76.2mm) long extended. Stainless steel.

\*except when used with 3in (76.2mm) tip which is 33Vrms/70Vdc.

See page 66 for more probe tips.

## Safety 2mm/4mm Test Probe Set

| Model# | Ratings                |
|--------|------------------------|
| 6601   | IEC61010 1000V CAT III |

- Versatile 2mm probe tip with screw-on 4mm tip.
- Each probe includes Protective Cap designed to meet Guidance Note GS38.
- Silicon insulated 4ft (1.2m) test leads with right-angle DMM plugs.
- Comfort-grip textured surface.



## Test Probes with Screw-on Alligator Clips

| Model# | Ratings                                                                                                    |
|--------|------------------------------------------------------------------------------------------------------------|
| 6723   | IEC61010 1000V CAT III<br>20A (probe alone)<br>IEC61010 300V, CAT II 10A<br>(with alligator clip attached) |

- Probe set includes 2 screw-on alligator clips.
- 8-32 threaded tips allow secure, attachment of alligator clips.
- Silicon insulated 4ft (1.2m) test leads with right-angle DMM plugs.
- Comfort-grip textured surface.
- Wide temperature range of 14 to 131°F (-10 to +55°C).



## Retractable Needle Tip Test Probes

| Model# | Plug Type       | Ratings      |
|--------|-----------------|--------------|
| 5953A  | Right-angle DMM | CAT II 600V* |
| 5952A  | Stacking banana | 600V**       |

\*per IEC61010

- Silicone insulated 4ft (1.2m) leads fits most meters from Fluke, Mettman, HP, Amprobe, Greenlee and others.
- Fully insulated tip extends to 3in (76.2mm).
- Durable 0.040in (1.02mm) stainless-steel needle tips reach into inaccessible areas.
- Set of 2 probes, one black and one red.



\*\*Ratings: For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 600 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage.

See page 62 for banana plug types.

## Additional Screw-on Alligator Clip Set for 6723

| Model# | Ratings          |
|--------|------------------|
| 6726   | 300V, CAT II 10A |

- Set of 2 screw-on alligator clips.
- Designed for use with 8-32-UNC 2A threaded probe like the Pomona 6723.
- 8-32 threaded tips allow secure attachment of alligator clips.
- Wide temperature range of 14 to 131°F (-10 to +55°C).



**Test Companion Kits include your favorite probes, clips, and leads in their own specially designed carrying case. Select from the following table.**

|                                                      | Kit Model# |      |      |       |       |      |      |      |      |      |
|------------------------------------------------------|------------|------|------|-------|-------|------|------|------|------|------|
| Model#                                               | 6112A      | 6162 | 6171 | 6172A | 6173A | 6174 | 6175 | 6237 | 6345 | Page |
| Test Probes                                          |            |      |      |       |       |      |      |      |      |      |
| 5689A Probe with Replaceable Tip                     |            |      | •    |       |       |      | •    |      | •    | 63   |
| 5906A Probe with 0.16in (4mm) Banana Tip             | •          | •    |      | •     | •     |      |      |      |      | 63   |
| 6232A Probe with 0.080in (2.03mm) Brass Tip          | •          |      |      |       |       | •    | •    |      |      | 63   |
| Test Leads                                           |            |      |      |       |       |      |      |      |      |      |
| 5678 SMD Test Tweezers with DMM Plugs                |            |      |      |       |       | •    | •    |      | •    | 66   |
| 5898 Right-Angle Banana/Probe                        |            |      |      | •     | •     |      |      |      |      | 62   |
| 5907A Straight/Right-Angle Banana                    | •          | •    | •    | •     | •     | •    | •    |      | •    | 63   |
| 5908A Straight/Straight Sheath Banana Plugs          |            |      |      |       |       |      |      |      |      | 63   |
| Alligator Clips                                      |            |      |      |       |       |      |      |      |      |      |
| 5916A Medium Alligator Clips (2)                     | •          | •    | •    | •     | •     | •    | •    |      | •    | 65   |
| 6041B Large Alligator Clips (2)                      | •          |      |      |       | •     |      |      |      |      | 64   |
| Grabbers                                             |            |      |      |       |       |      |      |      |      |      |
| 5910B Maxigrabber Set with Pincer Tips (2)           | •          |      |      | •     | •     |      |      |      |      | 64   |
| 5911B Maxigrabber with Hook Tip Set                  |            |      |      | •     | •     |      |      |      |      | 64   |
| 5912B Maxigrabber Alligator Clip Set                 |            |      |      |       | •     |      |      |      |      | 64   |
| Patch Cords                                          |            |      |      |       |       |      |      |      |      |      |
| 6243 SMD Grabber to Banana Plug                      |            |      | •    |       |       | •    | •    |      | •    | —    |
| 6244 Minigrabber to Right-Angle Sheathed Banana Plug |            |      |      |       |       |      |      |      |      | 42   |
| 6248 Minigrabber to Sheathed Banana Jack             | •          |      | •    |       |       | •    | •    |      | •    | 42   |
| Oscilloscope Probes                                  |            |      |      |       |       |      |      |      |      |      |
| 4550B Oscilloscope Probe                             |            |      |      |       |       |      |      | •    |      | 75   |
| Probe Tips/Tip Adapters                              |            |      |      |       |       |      |      |      |      |      |
| 5133 Probe Tip Stainless Steel, Dog Leg Micro (2)    |            |      | •    |       |       |      | •    |      | •    | 66   |
| 5682 Extended Tip Adapter                            |            |      | •    |       |       |      | •    |      | •    | 65   |
| 6262 Extended Tip Adapter                            |            |      |      |       |       | •    |      |      |      | 65   |
| 6263 IC Test Tip Adapter                             |            |      |      |       |       | •    |      |      |      | 65   |
| Spade Lug Adapters                                   |            |      |      |       |       |      |      |      |      |      |
| 6203 Insulated Spade Lug                             |            | •    |      | •     | •     |      |      |      |      | 65   |
| Coaxial Cable Assemblies/Adapters                    |            |      |      |       |       |      |      |      |      |      |
| 2249 BNC (M) Cable Assembly                          |            |      |      |       |       |      |      | •    |      | 7    |
| 3788 BNC (M) to Minigrabber Adapter                  |            |      |      |       |       |      |      | •    |      | 13   |
| Carrying Cases                                       |            |      |      |       |       |      |      |      |      |      |
| 5955 Tri-fold Pouch                                  |            | •    |      |       |       |      |      |      |      | 61   |
| 6146 Briefcase                                       | •          |      |      |       |       |      |      |      | •    | 61   |
| 6147 Medium Shoulder-pack                            |            |      | •    | •     | •     | •    | •    |      |      | 61   |

## Pomona's Test Companion™ Accessory Cases and Pouches



| Model# | Description                              |
|--------|------------------------------------------|
| 6146   | Briefcase style with carrying strap      |
| 6147   | Medium shoulder-pack with carrying strap |
| 5955   | Folding case with Velcro                 |



## Replacement DMM Test Lead Sets with Fixed Tips



| Model# | Features                       | Plug Type                     | Ratings        |
|--------|--------------------------------|-------------------------------|----------------|
| 5519A  | Standard tip Nickel/brass      | Right-angle DMM (1)           | CAT III 1000V* |
| 6365   | Standard tip Nickel/brass      | Straight DMM (2)              | CAT III 1000V* |
| 6366   | Standard tip Nickel/brass      | Retractable sleeve (5)        | CAT III 1000V* |
| 5898   | Stainless steel heavy-duty tip | Right-angle DMM (1)           | CAT III 1000V* |
| 5309A  | Stainless steel heavy-duty tip | Stacking banana (3)           | 1000V**        |
| 5517A  | Standard tip Nickel/brass      | Right-angle Simpson Plugs (1) | 1000V**        |

\*per IEC61010-2-031

- Monolithic probes with fixed tips.
- Durable 080 tips for long life.
- Comfort-grip probe.
- Silicone insulated 4ft (1.2m) leads fit most DMMs from Fluke, HP (Agilent), Metorman, Amprobe, Greenlee and others.

For Plug Type, see below.

\*\*Ratings: For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 1000 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage.

## Probe Kit with Full Set of 5 0.060in (1.52mm) Replacement Tips



| Model# | Description             | Plug Type           | Ratings        |
|--------|-------------------------|---------------------|----------------|
| 5676A  | Hand held DMM probe set | Right-angle DMM (1) | CAT III 1000V* |

\*per IEC61010-2-031

- Two test probes with a full set of all 5 probe tips (10 tips total).
- Silicone insulated 4ft (1.2m) leads.
- 0.06in (1.52mm) tip diameter.

### Replacement Tips

1. Sharp gold-plated plunger tip.
2. Triple-point gold-plated pogo pin.
3. Gold plated micro tip pogo.
4. Stainless-steel sharp-point.
5. Standard brass.

See page 66 for more probe tips.

## Replaceable 0.060in (1.52mm) Tip Probes



| Model# | Probe Tip                   | Plug Type              | Ratings        |
|--------|-----------------------------|------------------------|----------------|
| 6469   | Gold-plated Microtip pogo   | Right-angle DMM (1)    | CAT III 1000V* |
| 6470   | Gold-plated Microtip pogo   | Straight DMM (2)       | CAT III 1000V* |
| 6472   | Gold-plated Microtip pogo   | Stacking banana (3)    | 1000V**        |
| 6477   | Stainless-steel sharp-point | Right-angle DMM (1)    | CAT III 1000V* |
| 5950A  | Stainless-steel sharp-point | Straight banana (4)    | 1000V**        |
| 5951A  | Nickel-plated brass         | Right-angle banana (6) | 1000V**        |

\*per IEC61010-2-031

- New 0.06in (1.52mm) diameter solid and pogo-pin probe tips can be easily replaced without tools making this versatile probe the perfect tool for nearly every test.
  - Comfort-grip probe handle.
- Replacement tips available as 6475.

1. Sharp gold-plated plunger tip.
2. Triple-point gold-plated pogo pin.
3. Gold-plated micro tip pogo.
4. Stainless-steel sharp-point.
5. Standard brass.

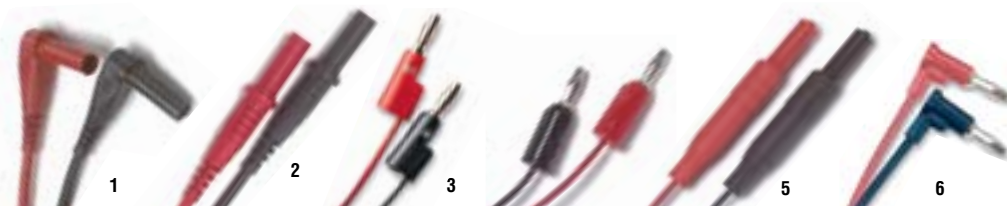
See page 66 for more probe tips.

\*\*Ratings: For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 1000 Vrms Vdc. Do not use on circuits where transient stresses can exceed the rated voltage.

### Plug Types

1. Right-angle DMM plug\*
2. Straight DMM plug\*
3. Stacking banana plug
4. Straight banana plug
5. Retractable sleeve banana plug
6. Right-angle banana plug

\* Shrouded DMM plugs fit most DMMs from Fluke, Metorman, HP (Agilent), Amprobe, Greenlee and others.



## Replacement DMM Test Leads



Choose plug for this end from below



Plugs into probes below

| Model# | Application                      | Features                              | Ratings        |
|--------|----------------------------------|---------------------------------------|----------------|
| 5907A  | Hand held DMM modular test leads | Right-angle DMM plug (1)              | CAT III 1000V* |
| 5908A  | Bench-top DMM modular test leads | Straight DMM plugs (2)                | CAT III 1000V* |
| 5909A  | Hand held DMM modular test leads | Right-angle DMM plug at both ends (1) | CAT III 1000V* |
| 6358   | Universal DMM test leads         | Retractable sheath DMM plugs (3)      | CAT III 1000V* |

\*per IEC61010-2-031

- Leads for Pomona Modular Test Probes.
- Plugs fit most popular DMMs from Fluke, Metorman, HP (Agilent), Amprobe, Greenlee and others.
- Silicone insulated 4ft (1.2m) leads.
- Retractable sleeve plug fits all banana jacks, binding posts and DMM input jacks.

### Plug Types

1. Right-angle DMM.
2. Straight DMM.
3. Retractable sheath 0.16in (4mm).

## Replacement Modular Test Probes



| Model# | Probe Type                    | Features                                    | Ratings        |
|--------|-------------------------------|---------------------------------------------|----------------|
| 6232A  | Modular electrical probe      | Standard 0.08in (2.03mm) tip                | CAT III 1000V* |
| 6479   | Industrial modular probe      | Stainless-steel 0.08in (2.03mm) sharp-point | CAT III 1000V* |
| 5906A  | Lantern tip                   | Fits 4mm Jack                               | CAT III 1000V* |
| 5689A  | Replaceable tip modular probe | Stainless-steel 0.08in (2.03mm) sharp-point | CAT III 600V*  |

\*per IEC61010-2-031

- Modular probes fit all Pomona test leads.
- Lantern tip probes fit into banana jacks.

## Replacement Modular Test Probe Sets



| Model# | Description                                   | Probe Type | Test Lead Type | Ratings        |
|--------|-----------------------------------------------|------------|----------------|----------------|
| 6286   | Standard tip with right-angle DMM plug        | 6232A      | 5907A          | CAT III 1000V* |
| 6288   | Stainless-steel tip with right-angle DMM plug | 6479       | 5907A          | CAT III 1000V* |
| 6304   | Lantern tip probe with right-angle DMM plug   | 5906A      | 5907A          | CAT III 1000V* |

\*per IEC61010-2-031

- Modular test probes sets contain one set of modular probes and test leads in one package.
- Silicone insulated 4ft (1.2m) leads fit most meters from Fluke, Metorman, HP (Agilent), Amprobe, Keithley, Greenlee and others.

### SMD Micro Tip/Test Probe



| Model#    | Color                  |
|-----------|------------------------|
| 5144-48-0 | Black                  |
| 5144-48-2 | Red                    |
| 6235      | Set of two: Black, Red |

The probe microtip is specially designed to probe SMD contacts. It features a stainless steel needle tip that is flexible to help prevent damage to SMD lands. The tip is curved to aid in probing hard to reach areas.

**Ratings:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 1200 Vrms Max. Do not use on circuits where transient stresses can exceed the rated voltage.

### Maxigrabber® Test Clip Set with Pincer



| Model# | 5910B |
|--------|-------|
|--------|-------|

Includes set of 2, one red and one black.

**Pincer Opening:** 0.080in (2.03mm) dia. test point.

**Rating:** Overvoltage CAT III, 1000V, 10A per IEC61010-2-031.

### Maxigrabber® Test Clip Set with Hook



| Model# | 5911B |
|--------|-------|
|--------|-------|

Includes set of 2, one red and one black.

**Hook Fits Test Points to:** 0.060in (1.52mm) diameter.

**Hook Opens to:** 0.25in (6.5mm).

**Rating:** Overvoltage CAT III, 1000V, 10A per IEC61010-2-031.

### Maxigrabber® Test Clip Set with Jaws



| Model# | 5912B |
|--------|-------|
|--------|-------|

Includes set of 2, one red and one black.

**Jaw Opening:** 0.50in (12.70mm) dia.

**Rating:** Overvoltage CAT III, 1000V, 10A per IEC61010-2-031.

### Insulation Piercing Maxigrabber® Test Clip Set



| Model# | 5913 |
|--------|------|
|--------|------|

Includes set of 2, one red and one black.

Pierces insulation to make connection on wire up to 0.144in (3.66mm) diameter.

**Rating:** Overvoltage per IEC61010-2-031 CAT III, 1000V, 5A.

### BNC Shielded Test Probe Kit



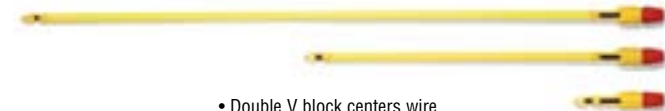
| Model# | 5292-48 |
|--------|---------|
|--------|---------|

Shield extends to within 1.5in (3.8cm) of probe tip. Compatible with DMM banana plug inputs when using Pomona 1269 BNC to double banana plug adapter. Alligator or Minigrabber test clip can be quickly threaded onto ground lead. Stainless steel dog leg tip excellent for SMD probing. Kit includes: Shielded test probe, Minigator with 6-32 thread for ground lead and insulated flex boot for Minigator, Minigrabber test clip with 6-32 thread for ground lead, Dog leg probe tip.

**Ratings:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for *hands free use*: 500 Vrms Max. Do not use on circuits where transient stresses can exceed the rated voltage.

### Insulation Piercing Clip Sets

| Model#  | Features                                           | Colors           |
|---------|----------------------------------------------------|------------------|
| 6405    | Attach to test leads 4in (10.2cm) long             | Set of red/black |
| 6413    | Attach to 0.080in (2.03mm) probe tip (10.2cm) long | Set of red/black |
| 6580-12 | 12in (304.8mm) long                                | -0 blk, -2 red   |
| 6580-24 | 24in (609.6mm) long                                | -0 blk, -2 red   |



- Double V block centers wire
- Set of 2, (red and black jacks)
- Bright yellow for easy location
- Attach to test leads

### Large Alligator Clip Set



| Model#  | Color                |
|---------|----------------------|
| 6041B   | Set of 2: Black, Red |
| 6042B-* | 1 Clip               |

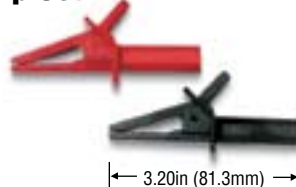
Fits on any DMM or banana plug test lead.

**Rating:** IEC61010-2-031 CAT III 1000V 20A.

**Jaw Opening:** 1.0in (25.40mm).

\*For singles, order: -0 Black, -2 Red.

### Industrial Alligator Clip Set



| Model# | 5914 |
|--------|------|
|--------|------|

Fits on any DMM or banana plug test lead.

**Rating:** IEC61010-2-031 CAT III 600V 10A.

**Jaw Opening:** to 1.0in (25.40mm).

\*Std. Colors: -0 Black, -2 Red.

## Medium Alligator Clip Set



| Model#  | Color                |
|---------|----------------------|
| 5916A   | Set of 2: Black, Red |
| 5787A-* | 1 Clip               |

Fits on any DMM or banana plug test lead.

**Rating:** IEC61010-2-031 CAT II 300V 5A.

**Jaw Opening:** to 0.30in. (7.62mm).

**\*For singles, order:** -0 Black, -2 Red.

## Test Lead Couplers



### Model# 6252

Banana plug splice.

Maintains overvoltage rating up to CAT III 1000V per IEC61010-2-031.

Use with any Pomona DMM test leads, even 0.16in (4mm plugs).

## Test Probe Tip Adapters



### Model# 6264-\*

Alligator Clip.

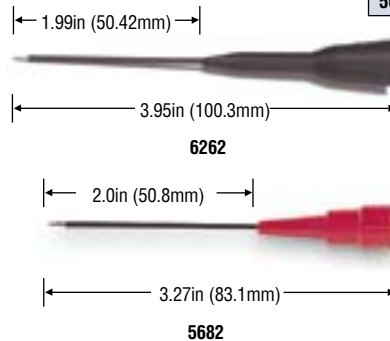
Attach to probe tip.

**Rating:** IEC61010-2-031 CAT II. 300V. 5A

Works with comfort-grip style and modular electrical probes.

**\*Std. Colors:** -0 Black, -2 Red.

## Test Probe Tip Adapters



| Model# | Application                                               |
|--------|-----------------------------------------------------------|
| 6262-* | fits comfort-grip style and modular probes 6232A and 6479 |
| 5682-* | fits modular probe 5689A                                  |

Extended Fine Point.

Insulated probe for hard to reach test points.

Maximum 3A.

**Std. Colors:** -02 1 ea. Black, Red.

## Alligator Clip with Boot for 0.166in (4mm) Sheathed Banana Plug



| Model# | Fits Sheathed Banana |
|--------|----------------------|
| 6573A* | 0.16in (4mm)         |

Clip plugs onto 0.16in (4mm) sheathed banana plug, as on Pomona model 5907A test leads.

**Jaw opening:** 0.30in (7.6mm) max.

**Materials:** Alligator clip: nickel-plated steel, Boot: Santoprene rubber.

**Length:** 2.91in (73.9mm).

**Rating:** 1000V CAT III per IEC61010-2-031, 10A, -13 to 176°F (-25 to 80°C).

**\*Std. Colors:** -0 Black, -2 Red, -02 two alligator clips, 1 Black, 1 Red.

## Insulated Spade Lug Adapters



| Model#  | Color                |
|---------|----------------------|
| 6203    | Set of 2: Black, Red |
| 1614A-* | 1 Clip               |

Connect banana plug patch cords to binding posts.

Fits screws or binding posts from #10: 0.32in to 0.25in (8.13mm to 6.35mm).

Compatible with any Pomona banana jack shrouded or unshrouded

**\*For singles, order:** -0 Black, -2 Red.

## Test Probe Tip Adapters



| Model# | Application                                               |
|--------|-----------------------------------------------------------|
| 6263-* | fits comfort-grip style and modular probes 6232A and 6479 |

IC Probe Tip.

Attach to 0.08in (2mm) probe tips.

**Rating:** IEC61010 CAT II, 300V, 5A.

**\*Std. Colors:** -0 Black, -2 Red.

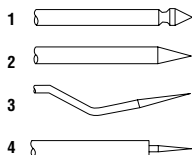
## AC Voltage Detector and Flashlight



### Model# 7290

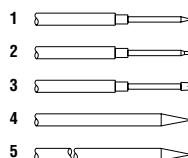
AC Voltage Detector – Detects voltages from 40 Vac to 300 Vac from 1 to 15 inches away from the source. Flashlight feature includes ultra-bright white LED with 100,000 hour bulb. Offers long battery life with standard alkaline AAA battery. No lithium battery needed.

**0.08in (2.03mm)  
Replacement  
Probe Tips**



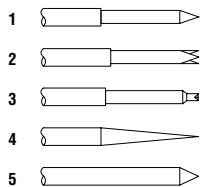
| Model# | Item     | Features                           |
|--------|----------|------------------------------------|
| 5133   | 3        | SMD Microtip™ stainless-steel tip  |
| 6364   | Full set | Set of all tips                    |
|        | 1(4ea)   | Nickel-plated standard tip         |
|        | 2(2ea)   | Stainless-steel sharp point        |
|        | 3(2ea)   | SMD Microtip™ stainless-steel tip  |
|        | 4(2ea)   | Sharp needle-point stainless-steel |

**0.04in (1.01mm)  
Replacement  
Probe Tips**



| Model# | Item     | Features                          |
|--------|----------|-----------------------------------|
| 6212   | 3        | Quad-point gold-plated pogo pin   |
| 6354   | Full set | Set of all tips                   |
|        | 1        | Sharp gold-plated                 |
|        | 2        | Triple-point gold-plated pogo pin |
|        | 3        | Quad-point gold-plated pogo pin   |
|        | 4        | Sharp stainless-steel             |
|        | 5        | 3in (76.2mm) long extended.       |

**0.06in (1.52mm)  
Replacement  
Probe Tips**

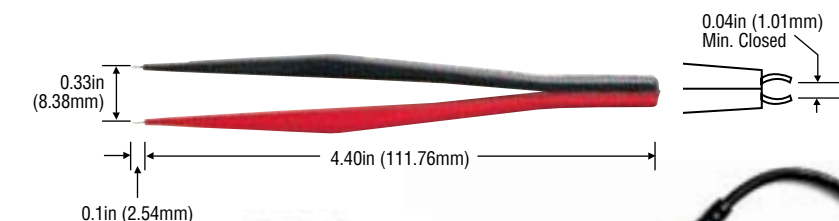


| Model# | Item     | Features                          |
|--------|----------|-----------------------------------|
| 6475   | Full set | Set of all tips                   |
|        | 1        | Sharp gold-plated plunger tip     |
|        | 2        | Triple-point gold-plated pogo pin |
|        | 3        | Gold-plated micro tip pogo        |
|        | 4        | Stainless-steel sharp-point       |
|        | 5        | Standard brass                    |

**SMD Test Tweezer Products**

| Model#    | Features             | Ratings            |
|-----------|----------------------|--------------------|
| 5143-K-48 | Stacking Banana Plug | 30 Vac/ 70 Vdc, 3A |
| 5142-K-48 | BNC Male             | 30 Vac/ 70 Vdc, 3A |
| 5678-K-48 | Right-Angle DMM Plug | 30 Vac/ 70 Vdc, 3A |

Length: 48in (1.22m)



**RF Detector Test Probes**

| Model# | Turn-On Voltage (mV) | Bandwidth (MHz)    | Input Capacitance (pF) | Peak AC Input (V) | DC Isolation Incl. Peak AC (V) |
|--------|----------------------|--------------------|------------------------|-------------------|--------------------------------|
| 6106   | 350                  | 1MHz-1GHz ± 1.5 dB | 6                      | 30                | 100                            |

Displays RF voltages on multimeter.  
Manufactured with high reliability SMD components.  
Slim-line probes will show AC voltages with sine wave shapes between 500 Hz and 1 GHz.  
Display will show 1 VDC for 1 VRMS of the sine wave signal.  
Comes complete with ground lead, sprung hook, BNC adapter and extra tip.  
Works best on multimeters with 10MΩ input impedance.  
**Cable Length:** 4ft (1.2m).



## Create Your Own Test Leads for Your Own Specific Needs with the Following:

### Test Lead Wire with Silicone or PVC Insulation



| Model# | Insulation Type | Length       |
|--------|-----------------|--------------|
| 6733-* | Silicone        | 50ft (15.2m) |
| 6734-* | PVC             | 50ft (15.2m) |

- 50ft (15.2m) of unterminated 18 AWG test lead wire 50ft (15.2m lengths only.)
  - Choose from heat-resistant silicone or PVC insulation.
  - Very flexible with 65 strands of 36 AWG tinned copper conductor.
  - Create your own test leads with the adapters shown below.
  - Wide temperature range of -58 to 302°F (-50 to 150°C) with PVC insulation.
- \*Std. Colors:** -0 Black, -2 Red.

See pages 30-31 for more do-it-yourself plugs.

### Do-It-Yourself 4mm Right Angle Banana Plug



**Model# 6729**  
Build your own safety leads with do-it-yourself safety-sheathed 4mm right-angle banana plug.

**Material:** Contacts: nickel-plated brass; Insulation: lucel acetal polymer.

**Rating:** IEC61010 1000V Category III\*\*, 20A, 14 to 131°F (-10 to +55°C).

**\*Std. Colors:** -0 Black, -2 Red.

\*\* When plug is correctly assembled and terminated.

### Do-It-Yourself 4mm Stackable Banana Plug



**Model# 6721**  
Build your own safety stacking leads with do-it-yourself safety-sheathed 4mm stackable banana plugs.

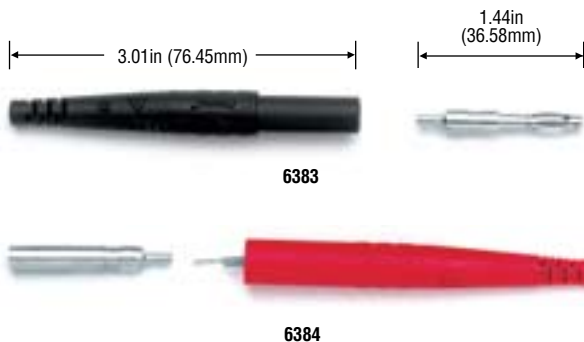
**Material:** Contacts: nickel-plated brass; Insulation: lucel acetal polymer.

**Rating:** IEC61010 1000V Category III\*\*, 20A, 14 to 131°F (-10 to +55°C).

**\*Std. Colors:** -0 Black, -2 Red.

\*\* When plug is correctly assembled and terminated.

### Do-It-Yourself In-Line Sheathed (4mm) Banana Plug and Jack



- Safety-rated plugs and jacks for use with any wire from 22 to 18 AWG with flexible insulation.
- Plugs fit most sheathed DMM jacks and DMM test leads to make up your own banana plug or jack test lead or jumper.

See mating panel jacks (6387 on page 33).

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Insulation: Santoprene®.

| Model # |      |
|---------|------|
| 6383-*  | Plug |
| 6383-02 |      |
| 6384-*  | Jack |
| 6384-02 |      |

Attaches to wire by crimp or soldering.

**Rating:** IEC61010 CAT II 300V, 15A, +275°F (+135°C) max.

**\*Std. Colors:** -0 Black, -2 Red, -02 Black and Red (2 per pkg).

\*Sold in pkgs of 10.

### Kelvin Probes



#### Model# 6303

For 4-wire and 2-wire measurements.

Patented design for high precision rapid testing.

Gold-plated for accuracy.

Easily move from one test point to another for rapid readings.

For use with 4-wire Kelvin meters such as Agilent 34401A, and 3458A.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc.

**Length:** 48in (122cm)

### Kelvin Lead Set with Kelvin Clips



#### Model# 6730

- Gold-plated Kelvin clip jaws allow 4-wire resistive measurements.

- Silicone insulated 3.3ft (1m) test lead.

- Safety sheathed straight DMM plugs for convenient bench use.
- Clips firmly grip test points for low-loss connection.

**Rating:** CAT III 1000 V.

### Kelvin Clip Set



#### Model# 5940

Two gold-plated clips connect to test points for 4-wire resistive measurement.

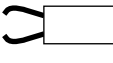
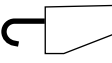
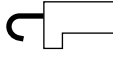
Clips open to 0.25in (6.35mm) maximum.

Gold-plated plugs and clips.

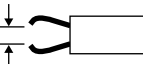
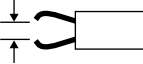
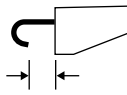
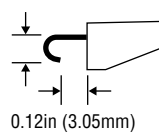
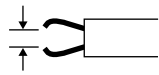
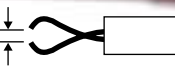
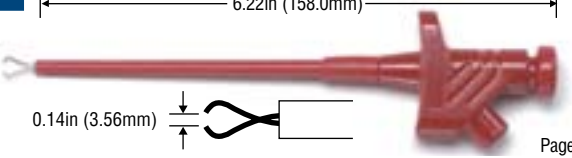
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc.

**Overall Length:** 26.5in (67.3cm).

Pomona Electronics' Grabber<sup>®</sup> Test Clips connect rapidly to component test leads, terminals and IC leads. Specially designed tips slide easily onto wire-wrap terminals. And do-it-yourself Grabber test clips can be assembled quickly and easily by the user.

|                                                                                                                            |                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
|  <b>Minipincer SMD Grabber</b><br>Page 69 |  <b>Minigrabber</b><br>Page 68           |
|  <b>Micrograbber</b><br>Page 68           |  <b>Rotating Micrograbber</b><br>Page 69 |

|                                                                                                                                       |                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>SMD</b><br> 0.016in - 0.02in<br>(0.4mm - 0.5mm)   |  Page 74                       |
| <b>Micro</b><br> 0.04in (1.02mm)                    |  1.71in (43.43mm)<br>Page 69  |
| <b>Micro</b><br> 0.10in (2.54mm)                   |  1.71in (43.43mm)<br>Page 69 |
| <b>Mini</b><br> 0.09in (2.29mm)<br>0.12in (3.05mm) |  2.54in (64.52mm)<br>Page 68 |
| <b>SMD</b><br> 0.087in (2.21mm)                    |  2.59in (65.79mm)<br>Page 69 |
| <b>Maxi</b><br> 0.09in (2.29mm)                    |  6.22in (158.0mm)<br>Page 69 |
| <b>Maxi</b><br> 0.14in (3.56mm)                    |  6.22in (158.0mm)<br>Page 69 |

### Minigrabber<sup>®</sup> Test Clip with Banana Jack



**Model# 4723-\***

Banana Jack built into plunger.

**Overall Length:** 2.54in (64.52mm).

**Rating:** Maximum voltage for *hands free use*: 300V, 5A, 216°F (+102°C) max.

\*Std Colors: -0 Black, -2 Red.

### Do-It-Yourself Minigrabber<sup>®</sup> Test Clips



| Model# | Max. Wire Dia.   | Temperature   |
|--------|------------------|---------------|
| 3925-* | 0.090in (2.29mm) | 216°F (102°C) |
| 4555-* | 0.144in (3.55mm) | 300°F (149°C) |

**Overall Length:** 2.54in (64.52).

**Rating:** Maximum voltage for *hands free use*: 300V, 5A, 302°F (+150°C) max.\*

Std Colors: -0 Black, -2 Red.

| Model#  | Features                                        |
|---------|-------------------------------------------------|
| 4176-02 | Kit contains 2 pcs. of 3925, one black/one red  |
| 5522    | Kit contains 10 pcs. of 3925, one of each color |

### Minigrabber<sup>®</sup> Test Clip with Pin Tip Jack



**Model# 4826-\***

A pin jack is built right into the plunger, allowing this test clip to be attached directly to the end of a pin tip patch cord. It can also be used as an adapter for test probes with 0.080in (2.03mm) tips.

**Overall Length:** 2.54in (64.52).

**Rating:** Maximum voltage for *hands free use*: 300V, 5A, 216°F (+102°C) max..

\*Std Colors: -0 Black, -2 Red.

### Oscilloscope Probe Tip Adapters



| Model# | Probe Type        |
|--------|-------------------|
| 6443   | Monolithic Series |
| 6553   | Modular Series    |

- Adapter attaches directly to the oscilloscope probe tip.
- Designed for use with Micro SMD Grabber Test Clips.

6553

\*Color Code: -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, 5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White

## SMD Grabber® Test Clip with 0.025in (0.635mm) Square Pin



| Model# | Features          |
|--------|-------------------|
| 5360   | Sold Individually |

Pincer type contact designed for testing 0.05in (1.25mm) lead pitches such as SOJ, SOIC and PLCC surface mounted packages.

0.15in (3.81mm) sq. access hole leads to 0.025in (0.635mm) sq. pin.

**Overall Length:** 1.73in (43.94mm).

**Rating:** Maximum voltage for *hands free use*: 150V. 0.5A, 216°F (+102°C) max.

**\*Std Colors:** -0 Black, -2 Red.

0.025in (0.635mm) Square Pin Patch Cords available, see page 47.

## Do-It-Yourself SMD Grabber® Test Clips



| Model# | Features                                        |
|--------|-------------------------------------------------|
| 5520   | Kit containing 10 pcs of 5243 one of each color |

Pincer type contact designed for testing 0.05in (1.27mm) lead pitches such as SOJ, SOIC and PLCC surface mounted packages.

**Overall Length:** 1.71in (43.43mm).

**Wire Opening:** 0.09in (2.29mm) dia. max.

**Rating:** Maximum voltage for *hands free use*: 150V. 0.5A, 216°F (+102°C) max.

**Colors:** -0 Black, -2 Red, -4 Yellow, -5 Green, -9 White.

## Do-It-Yourself Micrograbber® Test Clips



| Model# | Features                             |
|--------|--------------------------------------|
| 4233-* | -0 Black, -2 Red, -5 Green, -9 White |

**Overall Length:** 1.71in (43.43mm).

**Material:** Gold plated brass

**Rating:** 150V, 3A, +216°F (+102°C) max.

For hook dimensions see page 68.

## Micrograbber® Test Clip with 0.025in (0.635mm) Square Pin



| Model# | Features          |
|--------|-------------------|
| 4521*  | Sold individually |

**\*Std Colors:** -0 Black, -2 Red.

## Do-It-Yourself Maxigrabber® Test Clips



| Model# | Max. Wire Dia.   |
|--------|------------------|
| 4225-* | 0.090in (2.29mm) |
| 4565-* | 0.144in (3.66mm) |

Fits entry holes as small as 0.25in (6.35mm) dia.

**Overall Length:** 6.00in (152.4mm).

**Rating:** Maximum voltage for *hands free use*: 300V, 5A, +216°F (+102°C) max.

**\*Std Colors:** -0 Black, -2 Red.

For hook dimensions see page 68.

## Do-It-Yourself Flexible Maxigrabber® Test Clips



| Model# | 5830-* |
|--------|--------|
|--------|--------|

Rotating pincer type contact for easier access. Standard banana jack and screw for direct wire termination.

**Overall Length:** 6.22in (157.9mm).

**Rating:** Maximum voltage for *hands free use*: 250V.

**\*Std Colors:** -0 Black, -2 Red.

For pincer dimensions see page 68.

## Insulated Minigator Test Clip to Pin Tip Jack



| Model# | 3491-* |
|--------|--------|
|--------|--------|

**Jaw Opening:** Alligator clip has 0.187in (4.75mm) max.

**Overall Length:** 2.05in (52.07mm).

**Rating:** Maximum voltage for *hands free use*: 45V. 5A, 122°F (+50°C) max.

**\*Std Colors:** -0 Black, -2 Red.

## Do-It-Yourself Minipincer® Test Clip



| Model# | 5418-* |
|--------|--------|
|--------|--------|

Pincer type contact.

**Overall Length:** 2.59in (65.79mm).

**Rating:** Maximum voltage for *hands free use*: 300V. 5A, 176°F (+80°C) max.

**\*Std Colors:** -0 Black, -2 Red

For pincer dimensions see page 68.

### Medium Alligator Clip Set



| Model# | Features                     |
|--------|------------------------------|
| 5916A  | Set of 2 Clips Black and Red |

Insulated clip with sheathed 0.16in (4mm) receptacle accepts flexible lead sets 5907A, 5908A, 5909A (p. 64).

**Jaw Opening:** 0.30in (7.62mm) max.

**Overall Length:** 2.25in (57.15mm).

**Rating:** Conforms to IEC61010-2-031, Overvoltage Cat II, 300V, 5A max.

### Large Alligator Clip Set



| Model#  | Features                     |
|---------|------------------------------|
| 6041B   | Set of 2 Clips Black and Red |
| 6042B-* | 1 Clip                       |

Insulated clip with sheathed 0.16in (4mm) receptacle accepts flexible lead sets 5907A, 5908A and 5909A (p. 64).

**Jaw Opening:** 1.0in (25.40mm) max.

**Overall Length:** 3.5in (88.90mm).

**Rating:** Conforms to IEC61010-2-031, Overvoltage Cat III, 1000V, 20A max.

\*Std. Colors: -0 Black, -2 Red.

### Miniature Alligator Test Clip with 2mm Banana Jack



| 5788-* |
|--------|
|--------|

**Jaw Opening:** 0.24in (6.10mm) max.

**Overall Length:** 1.57".

**Rating:** 45V, +80°C (+176°F) max.

\*Std. Colors: -0 Black, -2 Red.

Sold in pkgs of 10 per color.

### Alligator Clip with Boot for 0.166in (4mm) Sheathed Banana Plug



| Model# | Fits Sheathed Banana |
|--------|----------------------|
| 6573A* | 0.16in (4mm)         |

Clip plugs onto 0.16in (4mm) sheathed banana plug, as on Pomona model 5907A test leads.

**Jaw opening:** 0.30in (7.6mm) max.

**Materials:** Alligator clip: nickel-plated steel, Boot: Santoprene rubber.

**Length:** 2.91in (73.9mm).

**Rating:** 1000V CAT III per IEC61010-2-031, 10A, -13 to 176°F (-25 to 80°C).

\*Std. Colors: -0 Black, -2 Red, -02 two alligator clips, 1 Black, 1 Red.

### Mini-alligator Clip with 2mm Jack



| Model#  | Color |
|---------|-------|
| 72924-0 | Black |
| 72924-2 | Red   |

**Rating:** 600V Cat II, 10A.

### Alligator Test Clip to Banana Jack, with Insulator, Solderable



| Model# | Plating | Features                     |
|--------|---------|------------------------------|
| 3289-* | Gold    | 1 clip and insulator/pkg.    |
| 2240-* | Nickel  | 10 clips and insulators/pkg. |
| 6567   | Nickel  | 10 clips w/o insulators/pkg. |

**Jaw Opening:** Alligator clip has 0.30in (7.62mm) max.

**Overall Length:** 2.16in (54.86mm).

**Rating:** Maximum voltage for *hands free use*: 150V. 5A, 122°F (+50°C) max.

\*Std Colors: -0 Black, -2 Red.

Sold unassembled.

### Alligator Test Clip to Pin Tip Jack with Insulator



| Model# 1437-* |
|---------------|
|---------------|

**Jaw Opening:** Alligator clip has 0.30in (7.62mm) max.

Accepts 0.08in (2.03mm) dia. pin.

**Overall Length:** 2.16in (54.86mm).

**Rating:** Maximum voltage for *hands free use*: 150V. 5A, 122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

Sold in pkgs of 10 per color.

(Sold unassembled) 10 clips and 10 insulators per pkg.

# SMD/Micro Format Test

Components and circuit boards are getting smaller and smaller. Pomona makes your job easier by providing clips and leads designed for micro-test, including a variety of 2mm connectors for use in tight spaces. From clips designed for chip pitches down to 0.008" (0.2 mm), to patch cords, and even complete SMD test kits, Pomona has the connection you need.

## SMD Multi-Use Test Kit



### Model# 72928

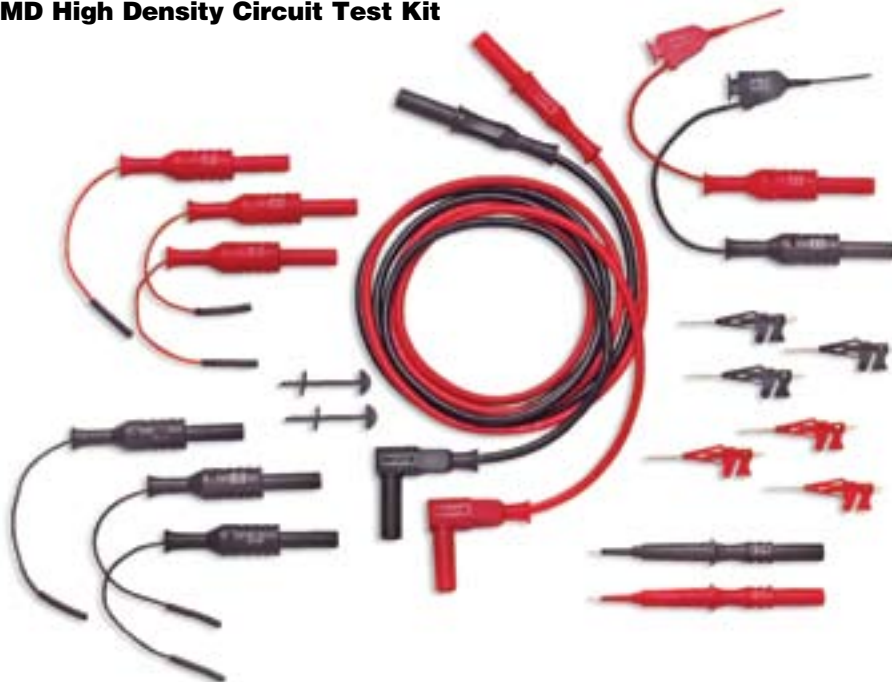
SMD test kit designed for multiple small format test applications.

#### Kit includes:

1. 72902-0 Micro SMD Grabber Test Clips, (Black)
2. 72902-2 Micro SMD Grabber Test Clips, (Red)
3. 72906-0 Mini SMD Grabber Test Clips, (Black)
4. 72906-2 Mini SMD Grabber Test Clips, (Red)
5. 72905-0 Clip lead for Micro SMD Grabber - 0.8mm female/4 mm female, (Black)
6. 72905-2 Clip lead for Micro SMD Grabber - 0.8mm female/4 mm female, (Red)
7. 5908A Bench-top DMM Modular Test leads
8. 72920-39-0 Multi-stacking 2mm safety sheathed patch cords, PVC, 100mm (39in), (Black)
9. 72920-39-2 Multi-stacking 2mm safety sheathed patch cords, PVC, 100mm (39in), (Red)
10. 72923-0 SMD test probe with sharp, spring mounted tip, 2mm jack, (Black)
11. 72923-2 SMD test probe with sharp, spring mounted tip, 2mm jack, (Red)
12. 72917-0 4mm banana plug to 2mm sheathed banana jack adapter, (Black)
13. 72917-2 4mm banana plug to 2mm sheathed banana jack adapter, (Red)
14. 72924-0 Mini-alligator clip with 2mm jack, (Black)
15. 72924-2 Mini-alligator clip with 2mm jack, (Red)

Large Folding Test Kit Pouch

## SMD High Density Circuit Test Kit



### Model# 72935

SMD test kit designed for probing high density circuits.

**Kit includes:** 2 DMM leads with 4mm plugs, 2 test probes with spring-loaded tips, 6 micro SMD grabbers (72902), 6 adapter leads 0.8mm female to 0.4mm jack, 2 mini SMD grabbers with 4mm connectors, 2 holding rods (72903).

### Micro SMD Grabber Test Clips Kit



| Model# | Includes                   |
|--------|----------------------------|
| 72902  | 12 clips, 12 leads, 6 rods |

Kit of 12 Micro SMD Grabbers in 6 colors. Grabbers are designed for easy attachment to SMD chips with pitches down to 0.008" (0.20 mm). Thin yet durable design permits attachment with close spacing in tight areas. Insulated tip minimizes shorting on adjacent pins. Gold plating for low resistance connections. Kit also includes 6 holding rods to reinforce connection positions during side-by-side measurements (order Model# 72903). In addition, kit includes 12 micro leads with 0.8mm female / 0.8mm male connectors.

### Micro SMD Grabber Test Clips



| Model#  | Color           |
|---------|-----------------|
| 72902-0 | Singles - Black |
| 72902-2 | Singles - Red   |

Designed for easy attachment to SMD chips with pitches down to 0.008" (0.20 mm). Thin yet durable design permits attachment with close spacing in tight spaces. Insulated tip minimizes shorting on adjacent pins. Gold plating for low resistance connections. Holding rods available to reinforce connection positions during side-by-side measurements (order Pomona model number 72903). Order Pomona model number 72905-0 for clip lead for Micro SMD Grabber - 0.8mm female/4 mm female (black) or 72905-2 (red) for easy attachment to standard test leads. 72902 includes one black and one red clip. (Black).

### Holding Rods for Micro SMD Clips



| Model# 72903 |
|--------------|
|--------------|

Holding rods reinforce 72902 connection positions during side-by-side measurements. (10/pkg).

### Clip lead for Micro SMD Grabber 0.8mm/2mm



| Model#  | Color |
|---------|-------|
| 72904-0 | Black |
| 72904-2 | Red   |

Clip lead for easy attachment of Micro SMD Grabber to test leads with 2mm plugs. 0.8mm female/2 mm female.

### Clip lead for Micro SMD Grabber 0.8mm/4mm



| Model#  | Color |
|---------|-------|
| 72905-0 | Black |
| 72905-2 | Red   |

Clip lead for easy attachment of Micro SMD Grabber (Pomona 72902) or Mini SMD Grabber (Pomona 72906) to standard test leads. 0.8mm female/4 mm female.

### Mini SMD Grabber Test Clips



| Model#  | Color |
|---------|-------|
| 72906-0 | Black |
| 72906-2 | Red   |

Designed for easy attachment to SMD chips with pitches down to 0.032" (0.80 mm). Insulated shaft can be bent up to 36 degrees for versatile attachment in awkward locations or close proximity to other clips. Rotating jaws increase versatility in connection and stacking. Thin (3mm) profile allows close placement to adjacent clips. Compatible with leads with Ø0.8 mm female connectors. Order Pomona model number 72905-0 for clip lead for SMD Mini Grabber - 0.8mm female/4 mm female (black) or 72905-2 (red) for easy attachment to standard test leads.

### Mini SMD Grabber Test Clip with Lead and 2mm Jack



| Model#     | Color |
|------------|-------|
| 72907-20-0 | Black |
| 72907-20-2 | Red   |

Mini SMD Grabber Test Clip (Pomona 72906) with 20 inch (50cm) lead and 2mm Jack.



**Mini SMD Grabber Test Clip with Lead and 4mm Jack**



| Model#     | Color |
|------------|-------|
| 72929-20-0 | Black |
| 72929-20-2 | Red   |

Mini SMD Grabber Test Clip (Pomona 72906) with 20 inch(50cm) lead and 4mm Jack for easy attachment to DMM leads.

**Do-it-yourself 2mm Stackable Safety Sheathed Plug**



| Model#  | Color |
|---------|-------|
| 72925-0 | Black |
| 72925-2 | Red   |

Rating: 600V Cat II 10A.

**SMD Test Probe with Sharp, Spring Mounted Tip**



| Model#  | Color |
|---------|-------|
| 72923-0 | Black |
| 72923-2 | Red   |

SMD test probe with sharp, spring mounted tip and 2mm jack. Provides ultra-fine control for probing high density SMD circuits. Very fine 0.03in (0.7mm) diameter stainless steel tip is spring-mounted for controlled pressure. Removable, clear IC insulator cap prevents shorting of adjacent IC logos. Sheathed 2mm receptacle adapts to 2mm test leads and adapters.

Rating: 600V Cat III, 1A.

**Mini-alligator Clip with 2mm Jack**



| Model#  | Color |
|---------|-------|
| 72924-0 | Black |
| 72924-2 | Red   |

Rating: 600V Cat II, 10A.

**Multi-stacking 2mm Safety Sheathed Patch Cords**



| Model#     | Length       | Color |
|------------|--------------|-------|
| 72920-20-0 | 20in (50cm)  | Black |
| 72920-20-2 | 20in (50cm)  | Red   |
| 72920-39-0 | 39in (100cm) | Black |
| 72920-39-2 | 39in (100cm) | Red   |

Multi-stacking 2mm safety sheathed male/male patch cords, PVC.

Rating: 600V Cat II, 10A Max.

**2mm Safety Sheathed Patch Cords**



| Model#     | Length       | Color |
|------------|--------------|-------|
| 72919-20-0 | 20in (50cm)  | Black |
| 72919-20-2 | 20in (50cm)  | Red   |
| 72919-39-0 | 39in (100cm) | Black |
| 72919-39-2 | 39in (100cm) | Red   |

2mm safety sheathed male/male patch cords, PVC.

**2mm/4mm Male-male Test Leads**



| Model#  | Length         | Color |
|---------|----------------|-------|
| 72936-0 | 3.9in (99.1mm) | Black |
| 72936-2 | 3.9in (99.1mm) | Red   |

### 4mm Safety Banana Jack to 2mm Banana Plug Adapter



| Model#   | Color                 |
|----------|-----------------------|
| 72914-02 | One Black and One Red |
| 72914-0  | Black                 |
| 72914-2  | Red                   |

Accepts 4mm safety-sheathed banana plugs. 10/pkg.

Rating: 33 Vac / 70 Vdc, 36A

### 2mm Sheathed Jack to 2mm Unsheathed Plug Adapter



| Model#  | Color |
|---------|-------|
| 72915-0 | Black |
| 72915-2 | Red   |

Accepts 2mm safety-sheathed banana plugs. 10/pkg.

Rating: 33 Vac / 70 Vdc, 10A.

### 4mm Banana Jack to 2mm Banana Jack Adapter



| Model#  | Color |
|---------|-------|
| 72916-0 | Black |
| 72916-2 | Red   |

Accepts 2mm and 4mm safety-sheathed banana plugs. 10/pkg.

Rating: 33 Vac / 70 Vdc, 10A.

### 4mm Banana Plug to 2mm Sheathed Banana Jack Adapter



| Model#  | Color |
|---------|-------|
| 72917-0 | Black |
| 72917-2 | Red   |

Accepts 2mm safety-sheathed banana plugs. 10/pkg.

Rating: 33 Vac / 70 Vdc, 10A.

### 2mm Safety Sheathed Jacks



| Model#  | Color |
|---------|-------|
| 72921-0 | Black |
| 72921-2 | Red   |

2mm safety sheathed jack with 1.9mm wire wrap connecting pin.

Materials: Contacts: Nickel plated brass.  
Insulation: Polyamide.

Rating: 600V Cat II, 10A.

### 2mm Safety Sheathed Jack with Solder Tab



| Model#  | Color |
|---------|-------|
| 72922-0 | Black |
| 72922-2 | Red   |

Materials: Contacts: Nickel plated brass.  
Insulation: Polyamide.

Rating: 600V Cat II, 10A.

### Micro SMD Grabber® Test Clip for 0.05 to 0.01in (1.25 to 0.2 mm) Lead Pitch

| Model# | Profile Height   | Lead Pitch                 | Tip   | Qty | Colors |
|--------|------------------|----------------------------|-------|-----|--------|
| 6442   | 0.28in (7mm) low | 0.05 -0.01in (1.25 -0.3mm) | Long  | 10  | 10     |
| 6351   | 0.55in 14mm      | 0.03 -0.01in (0.85 -0.2mm) | Long  | 10  | 2      |
| 6352   | 0.55in 14mm      | 0.05 -0.01in (1.25 -0.3mm) | Long  | 10  | 2      |
| 6353   | 0.55in 14mm      | 0.05 -0.01in (1.25 -0.3mm) | Short | 10  | 2      |



• Use with PQFP, SOIC, TSOP and SSOP packages with lead pitches down to 0.01 to 0.02in (0.2 to 0.5 mm).

• Thin body allows an unlimited number of clips to be stacked side by side.

• Maximum frequency is 100MHz.

Rating: For CE compliance and personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 70 Vrms Max.

Supplied with female to male flying leads.

### Rotating Micrograbber® Test Clip with Two 0.025in (0.635mm) Square Pins

| Model# | Features          |
|--------|-------------------|
| 5790-* | Sold individually |

Use when testing IC leads at 0.05in (1.25mm) pitch or in other tight situations. Pincers rotate for ease of access.

Overall Length: 2.12in (53.85mm)

Rating: 33 Vrms / 70 Vdc

\*Std Colors: -0 Black, -2 Red.

### Micro SMD Grabber® Test Clip for 0.05 to 0.02in (1.25 to 0.5 mm) Lead Pitch



Model# 6490-\*

• Use with PQFP & SOIC packages with 0.02in (0.5mm) lead pitch or greater.

• Pincers and 0.03in (0.76mm) pin plug are directly connected; no sliding parts.

• Pincers are stationary. Housing moves to close tips together.

• Device under test must be inactive when connecting pincers.

Rating: For CE compliance and personal safety, do not hold in hand when voltages exceed 33 Vrms/70 Vdc. Maximum voltage for hands free use: 70 Vrms Max.

\*Std Colors: -0 Black, -2 Red.

# Oscilloscope Probes and Accessories

Pomona's oscilloscope probes give you the full range you need. Designed, rated, and specified to match the bandwidth of your instrument, they provide you with full voltage read-out over the entire rated bandwidth of each probe.



## Replacement Passive Oscilloscope Probes

These general purpose monolithic passive voltage probes feature high performance for greater test flexibility. Complete accessory kit included.

See selection guide below.

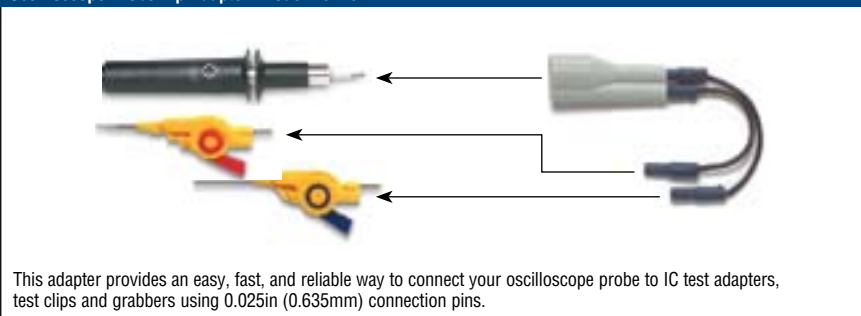
## Monolithic Passive Oscilloscope Probes

| Model# | Probe Ratio  | Maximum Input Voltage CAT I <sup>1</sup> | System Bandwidth MHz (-3 dB) | System Rise time (ns)          | Probe Input Resistance (MΩ) | Probe Input Capacitance (pF) | Compensation <sup>3</sup> Range (pF) | Readout Actuator <sup>4</sup> | Cable Length |
|--------|--------------|------------------------------------------|------------------------------|--------------------------------|-----------------------------|------------------------------|--------------------------------------|-------------------------------|--------------|
| 4550B  | 1:1          | 300 <sup>2</sup><br>300                  | Up to 15 <sup>5</sup><br>100 | < 23.33 <sup>3</sup><br>< 3.50 | 1<br>10                     | < 64 + O-Scope<br>< 10.5     | NA<br>10 - 60                        | No                            | 4ft (1.2m)   |
| 5795A  | 10:1<br>10:1 | 300                                      | 100                          | < 3.50                         | 10                          | < 9.5                        | 10 - 60                              | No                            | 4ft (1.2m)   |
| 5800A  | 1:1          | 300 <sup>2</sup>                         | Up to 30 <sup>5</sup>        | < 11.66 <sup>3</sup>           | 1                           | < 57 + O-Scope               | NA                                   | No                            | 4ft (1.2m)   |
| 5803A  | 10:1         | 300                                      | 200                          | < 1.75                         | 10                          | < 10                         | 10 - 60                              | No                            | 4ft (1.2m)   |
| 5806A  | 1:1<br>10:1  | 300 <sup>2</sup><br>300                  | Up to 20 <sup>5</sup><br>200 | < 17.5 <sup>3</sup><br>< 1.75  | 1<br>10                     | < 77 + O-Scope<br>< 11.5     | NA<br>10 - 60                        | No                            | 4ft (1.2m)   |
| 5809A  | 10:1         | 300                                      | 300                          | < 1.17                         | 10                          | < 17                         | 10 - 60                              | No                            | 4ft (1.2m)   |
| 5812A  | 10:1         | 300                                      | 300                          | < 1.17                         | 10                          | < 17                         | 10 - 60                              | Yes                           | 4ft (1.2m)   |
| 5827A  | 100:1        | 300                                      | 200                          | < 1.75                         | 10                          | < 5.5                        | 15 - 50                              | No                            | 6.6ft (2.0m) |
| 6049A  | 10:1         | 300                                      | 150                          | < 2.33                         | 10                          | < 10.5                       | 10 - 30                              | No                            | 4ft (1.2m)   |
| 6069A  | 10:1         | 300                                      | 250                          | < 1.40                         | 10                          | < 10                         | 10 - 30                              | No                            | 4ft (1.2m)   |
| 6101A  | 10:1         | 300                                      | 150                          | < 2.33                         | 10                          | < 10.5                       | 10 - 30                              | Yes                           | 4ft (1.2m)   |
| 6102A  | 10:1         | 300                                      | 250                          | < 1.40                         | 10                          | < 10                         | 10 - 30                              | Yes                           | 4ft (1.2m)   |
| 6265   | 10:1         | 300                                      | 60                           | < 5.83                         | 10                          | < 10.5                       | 10 - 60                              | No                            | 4ft (1.2m)   |
| 6266   | 1:1<br>10:1  | 300 <sup>2</sup><br>300                  | Up to 20 <sup>5</sup><br>60  | < 17.5 <sup>3</sup><br>< 5.83  | 1<br>10                     | < 65 + O-Scope<br>< 11       | NA<br>10 - 60                        | No                            | 4ft (1.2m)   |
| SP150B | 1:1<br>10:1  | 300 <sup>2</sup><br>300                  | Up to 15 <sup>5</sup><br>150 | < 23.33 <sup>3</sup><br>< 3.33 | 1<br>10                     | < 50+ O-Scope<br>< 15        | NA<br>10 - 60                        | No                            | 4ft (1.2m)   |

### Replacement Accessory Kit: 6267

**Kit includes:**  
Retractable Hook Tip  
BNC Adapter  
IC Adapter  
Insulating Tip  
Trimmer Tool  
6in (0.15m) Ground Lead with Alligator Clip

### Oscilloscope Probe Tip Adapter Model# 6443



### Pomona adapters with 0.025in (0.635mm) pins

5360 6353 All "IC" test clips  
5790 6490  
6351 6442  
6352



- Rating:** All probes are rated 300V (DC + Peak AC), CAT I, per IEC61010-2-031. Maximum voltage allowed on the LO connection including shell and housing must not exceed 30V.
- Maximum input voltages are dependent on the oscilloscope input characteristics; take the lesser of the two specifications.

- Dependent upon oscilloscope input characteristics.
- Any oscilloscope that uses the Tektronix® style range actuator.
- For oscilloscopes with 1 MΩ input resistance.

## Modular Passive Oscilloscope Probes



Featuring a new, compact, ergonomically designed probe handle, these modular general purpose passive voltage probes are ideal for use with a wide variety of oscilloscopes. They also feature a spring-loaded, pogo-pin replaceable tip. The fine tip probes are perfectly suited for probing high-density chip leads with less than 0.060in (1.52mm) spacing. Modular in design, the probe handle is capable of receiving a variety of spring-loaded and fixed tips, providing greater testing versatility. An affordable, versatile probe for many uses.

Probe sets includes the probe, BNC adapter, ground blade, 8.7in (22cm) ground lead, IC tip adapters with 0.8mm to 1.27mm pitch, insulating tip, protection cap, solid tip, spring tip, sprung hook, trimmer tool, 2 footer positioner, and complete set of instructions and specifications.

| Model# | Probe Ratio | Maximum Input Voltage CAT II <sup>1</sup> | System Bandwidth MHz (-3dB) | System Risettime (ns) | Probe Input Resistance (MΩ) | Probe Input Capacitance (pF) | Compensation Range (pF) | Readout Actuator <sup>2</sup> | Cable Length |
|--------|-------------|-------------------------------------------|-----------------------------|-----------------------|-----------------------------|------------------------------|-------------------------|-------------------------------|--------------|
| 6491   | 1:1         | 55 V                                      | 60                          | < 12                  | 1                           | < 39.5                       | NA                      | NA                            | 4ft (1.2m)   |
| 6493   | 10:1        | 300 V                                     | 60                          | < 2.4                 | 10                          | < 12.5                       | 15 - 40                 | No                            | 4ft (1.2m)   |
| 6494   | 10:1        | 300 V                                     | 60                          | < 2.4                 | 10                          | < 12.5                       | 15 - 40                 | Yes                           | 4ft (1.2m)   |
| 6495   | 10:1        | 300 V                                     | 100                         | < 1.4                 | 10                          | < 13                         | 10 - 35                 | No                            | 4ft (1.2m)   |
| 6496   | 10:1        | 300 V                                     | 350                         | < 1                   | 10                          | < 14.5                       | 10 - 35                 | No                            | 4ft (1.2m)   |
| 6497   | 10:1        | 300 V                                     | 350                         | < 1                   | 10                          | < 14.5                       | 10 - 35                 | Yes                           | 4ft (1.2m)   |
| 6498   | 100:1       | 1000 V                                    | 500                         | < 0.9                 | 50                          | < 7.5                        | 10 - 50                 | No                            | 6.6ft (2m)   |
| 6499   | 1:1         | 55 V                                      | 60                          | < 18                  | 1                           | < 78                         | NA                      | No                            | 4ft (1.2m)   |
|        | 10:1        | 300 V                                     |                             | < 2.4                 | 10                          | < 13                         | 15 - 40                 |                               |              |
| 6500   | 1:1         | 55 V                                      | 100                         | < 12                  | 1                           | < 80                         | NA                      | No                            | 4ft (1.2m)   |
|        | 10:1        | 300 V                                     |                             | < 1.4                 | 10                          | < 13                         | 10 - 35                 |                               |              |

### Replacement Accessory Kit: 73040

#### Kit includes:

Retractable Hook Tip  
BNC Adapter  
Insulating Tip  
Trimmer Tool  
8.7in (22cm) Ground Lead with Alligator Clip  
1 ea. Rigid Probe Tip  
1 ea. Spring Probe Tip

### Oscilloscope Probe Tip Adapter Model# 6553



This adapter provides an easy, fast, and reliable way to connect your oscilloscope probe to IC test adapters, test clips and grabbers using 0.025in (0.635mm) connection pins.

### Pomona adapters with 0.025in (0.635mm) pins

5360 6353 All "IC" test clips  
5790 6490  
6351 6442  
6352



1 **Rating:** Per IEC61010-2-031. Maximum votage allowed on the LO connection including shell and housing must not exceed 30V.

2 Any oscilloscope that uses the Tektronix® style range actuator

## Microline Passive Oscilloscope Probes



Tips can be replaced with Pomona 0.60in (1.52mm) probe tips model number 6475, see page 66.

500 MHz X10 Passive Voltage Probe 4ft (1.2m) cable, 500V peak.

The perfect solution for accessing hard-to-reach test points, particularly fine pitch IC leads. The Microline Probe features a 500 MHz X10 passive voltage probe compactly designed for on-the-go field service or in the lab.

| Pomona adapters with 0.025in (0.635mm) pins |      |                     |
|---------------------------------------------|------|---------------------|
| 5360                                        | 6352 | 6442                |
| 5790                                        | 6353 | All "IC" test clips |
| 6351                                        | 6490 |                     |

| Replacement Accessory Kit: 73040             |
|----------------------------------------------|
| <b>Kit includes:</b>                         |
| Retractable Hook Tip                         |
| BNC Adapter                                  |
| Insulating Tip                               |
| Trimmer Tool                                 |
| 8.7in (22cm) Ground Lead with Alligator Clip |
| 1 ea. Rigid Probe Tip                        |
| 1 ea. Spring Probe Tip                       |

### Oscilloscope Probe Tip Adapter Model# 6553



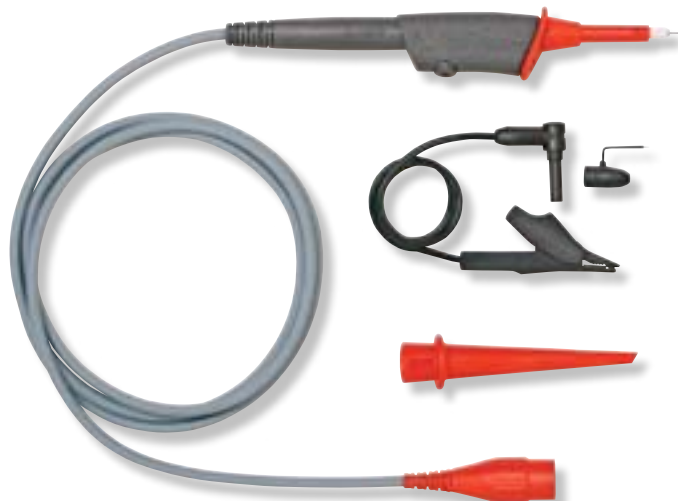
This adapter provides an easy, fast, and reliable way to connect your oscilloscope probe to IC test adapters, test clips and grabbers using 0.025in (0.635mm) connection pins.

| Model# | Probe Ratio | Maximum Input Voltage CAT I <sup>1</sup> | System Bandwidth MHz (-3 dB) | System Rise time (ns) | Probe Input Resistance (M Ω) | Probe Input Capacitance (pF) | Compensation Range (pF) | Readout Actuator <sup>2</sup> | Cable Length |
|--------|-------------|------------------------------------------|------------------------------|-----------------------|------------------------------|------------------------------|-------------------------|-------------------------------|--------------|
| 6551   | 10: 1       | 300 V                                    | 500                          | < 0.70                | 10                           | < 11                         | 7 - 25                  | Yes                           | 4ft (1.2m)   |
| 6554   | 10: 1       | 300 V                                    | 500                          | < 0.70                | 10                           | < 11                         | 7 - 25                  | No                            | 4ft (1.2m)   |

<sup>1</sup> Rating: Per IEC61010-2-031. Maximum voltage allowed on the LO connection including shell and housing must not exceed 30V.

<sup>2</sup> Any oscilloscope that uses the Tektronix® style range actuator

## Insulated Oscilloscope Probes for Portable Applications



### Features

- With a CAT II, 600 V (CAT III, 300 V) rating, these probes are perfect for use with portable oscilloscopes.
- And with a 500 MHz bandwidth, these probes provide plenty of headroom for those high frequency measurements.
- Fully Insulated.
- Meets IEC 61010-031.
- Ergonomic Design with Comfort Grip.

### Accessories Included

- Push-On Hook Clip.
- Push-On Reference Contact.
- Reference lead with alligator clip for the connection to the 0.2 mm safety socket in the handle.

| Model#      | Probe Ratio | Maximum Input Voltage CAT II <sup>1</sup> | Bandwidth (MHz) | Input Resistance (MΩ) | Input Capacitance (pF) | Approximate Rise time (ns) | Compensation Range (pF) | Cable Length |
|-------------|-------------|-------------------------------------------|-----------------|-----------------------|------------------------|----------------------------|-------------------------|--------------|
| 72940-*     | 10: 1       | 600 V                                     | 500             | 10                    | 13                     | 1                          | 10 - 30                 | 4ft (1.2m)   |
| 72941 (set) | 10: 1       | 600 V                                     | 500             | 10                    | 13                     | 1                          | 10 - 30                 | 4ft (1.2m)   |
| 72942       | See page 60 |                                           |                 |                       |                        |                            |                         |              |

<sup>1</sup> Derated with frequency.

<sup>2</sup> For oscilloscopes with 1MΩ input resistance.

## Active Differential Probe



Pomona **Model 6731** differential voltage probe allows users to safely make floating high voltage measurements while using general purpose oscilloscopes. Using a built-in differential amplifier, the floating signal is converted and scaled to a low-voltage signal referenced to earth ground. The probe can be used on circuits associated with electronic high-power converters, motor speed controls, switching mode power supplies, and other high voltage circuits requiring isolation.

Features include switchable attenuation, high impedance to ground for both positive and negative side of the balanced input, and maximum differential voltage up to 1000V. The probe input uses shrouded banana test probe tip. The output to the oscilloscope is made with a BNC cable with a safety insulated BNC male connector.

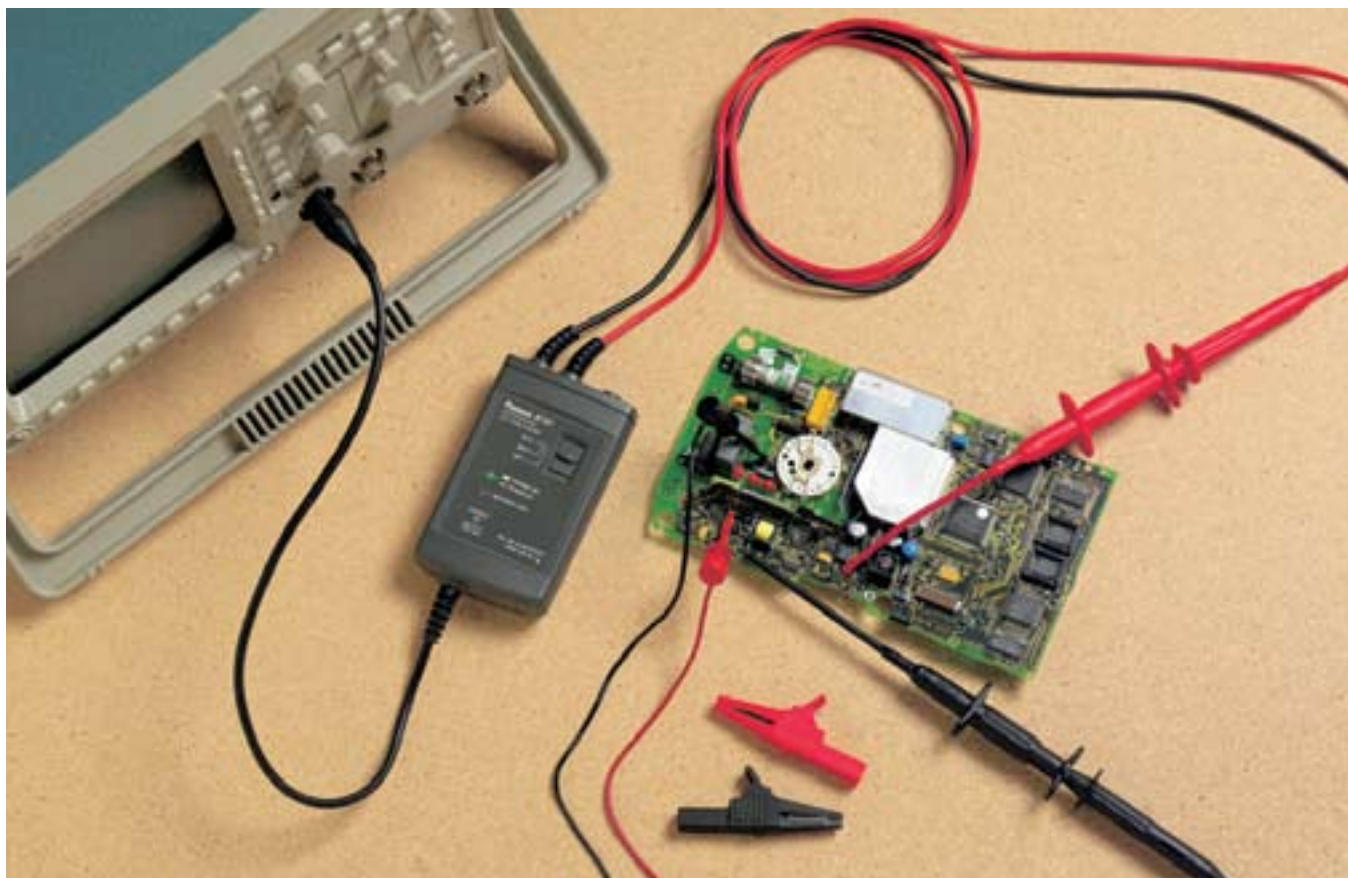
### Included with the 6731:

Large Jaw Alligator clips (one red and one black).  
Pin-Grabber Test Clips (one red and one black).  
9V Alkaline Battery.

### Optional:

Model 6732: Universal Power Adapter.

| Input Characteristics                       |                                                                                                            |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Input Probe                                 | Shrouded banana test probe                                                                                 |
| Input Cable Length                          | 60in (1.5m)                                                                                                |
| Probe Ratio                                 | 20:1 / 200:1                                                                                               |
| Voltage to Ground                           | 600V CAT III, 1000V CAT II                                                                                 |
| Maximum Input                               | 1000 Vdc                                                                                                   |
| Maximum Differential Input Voltage          | 1000 Vrms<br>1200V (DC + Peak AC)                                                                          |
| Maximum Floating Voltage / Frequency        | 600V Category III /400 Hz (from shielding to ground)                                                       |
| Probe Input Resistance                      | 5M $\Omega$ (input to shielding), 10M $\Omega$ (input to input)                                            |
| Probe Input Capacitance                     | 6 pF (input to shielding), 5 pF (input to input)                                                           |
| Operating Temperature                       | +32 to +122°F (0 to +50°C)                                                                                 |
| Output Characteristics                      |                                                                                                            |
| Output Cable                                | BNC cable                                                                                                  |
| Output Cable Length                         | 20in (0.5mm)                                                                                               |
| Output Voltage Range                        | $\pm 6.5V$ (into 1MW)                                                                                      |
| Accuracy                                    | $\pm 2.5\%$                                                                                                |
| Bandwidth                                   | DC to 20 MHz (-3 dB)                                                                                       |
| Risetime                                    | 17.5 ns                                                                                                    |
| CMRR                                        | 20:1 @ 60Hz =>70dB      200:1 @ 60Hz => 80dB<br>20:1 @ 1MHz =>40 dB      200:1 @ 1 MHz =>50dB              |
| Power                                       |                                                                                                            |
| 9V Alkaline Battery                         | 8 hours operation. 400 hours in standby. Unit goes into standby mode after 30 minutes (battery mode only). |
| Model 6732 Optional Universal Power Adapter | For continuous operation                                                                                   |



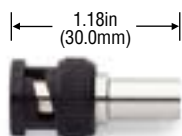
# Audio/Video/Broadcast

Whether setting up your own home theater or looking for connectors for that next broadcast event, Pomona audio/video/broadcast accessories get you connected reliably. From F connectors to phono jacks, look to Pomona for parts you can depend on.

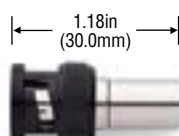
**Pomona**  
ELECTRONICS

79

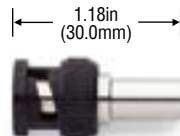
## High Definition 75 BNC Connectors



6702



6703



6704

| Model# | For Cable                     |
|--------|-------------------------------|
| 6702A  | RG59B/U, 20 AWG, Belden 1505A |
| 6703A  | RG6B/U, 18 AWG, Belden 1694A  |
| 6704A  | RG59B/U, 23 AWG               |

Precision matched to Belden cable for digital and analog SDI/HDTV signals.

**Performance:** 3 GHz with VSWR of 1.15

**Impedance:** 75Ω.

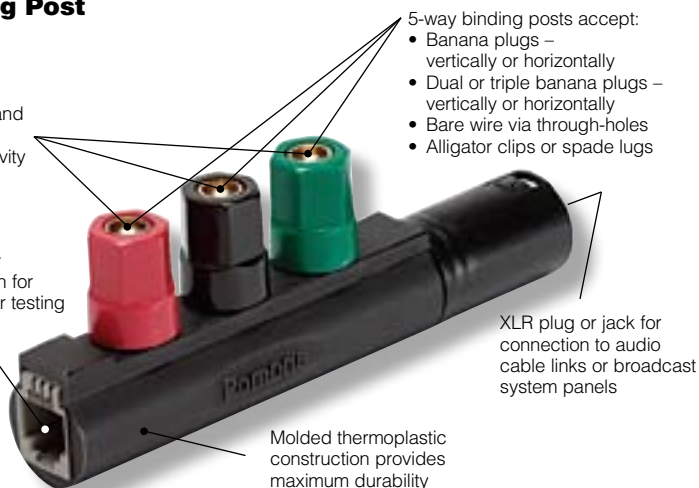
**BNC:** *Shell:* precision machined tarnish resistant black nickel-plated brass; *Center Contact:* male: gold-plated brass (20 micro inches).

**Dielectric:** PTFE.

## XLR Triple Binding Post

Gold-plated pins and binding posts for excellent conductivity

RJ11 allows easy phone connection for communication or testing



- 5-way binding posts accept:
- Banana plugs – vertically or horizontally
  - Dual or triple banana plugs – vertically or horizontally
  - Bare wire via through-holes
  - Alligator clips or spade lugs

XLR plug or jack for connection to audio cable links or broadcast system panels

Molded thermoplastic construction provides maximum durability

| Model# | Type | RJ11 |
|--------|------|------|
| 7288   | (m)  | •    |
| 7289   | (f)  | •    |
| 7286   | (m)  | –    |
| 7287   | (f)  | –    |

Adapter makes it easy to split out the signals from the three XLR audio conductors for access via 5-way binding posts. RJ11 jack also simplifies connection to phone for ring down tests of audio lines or for phone communications across audio cables. Includes three color-coded 5-way binding posts for high, low, and ground terminals. Cables can be connected to rugged binding posts via banana plug, spade lug, alligator clip, or simply fed into the through-hole or wrapped around the post.

## XLR Straight Cable Connectors – Rugged



Male



Female

| Model# | Type | Pins | Shell        | IDC | Lbs of Pull |
|--------|------|------|--------------|-----|-------------|
| 5110   | (m)  | 3    | Nickel       |     | 100         |
| 7273   | (m)  | 3    | Nickel       | •   | 100         |
| 7274   | (f)  | 3    | Nickel       | •   | 100         |
| 7275   | (m)  | 3    | Black Nickel | •   | 100         |
| 7276   | (f)  | 3    | Black Nickel | •   | 100         |

Passes the 100 pound stress test.

When connection failure is simply not an option, depend on Pomona XLR connectors. The patented XLR cable retention system can withstand up to 100 pounds (45.35 kg) of pull and up to 50,000 bends under stress. By securely capturing the cable, our system relieves strain from the solder joints between the cable and the connector, protecting your connections from workplace abuse. Silver plated contacts.

## XLR Straight Cable Connectors — General Duty



5125A



5126A

| Model# | Type | Pins | Shell        | Contacts | Lbs of Pull |
|--------|------|------|--------------|----------|-------------|
| 5125A  | (f)  | 5    | Nickel       | Silver   | 45          |
| 5126A  | (m)  | 5    | Nickel       | Silver   | 45          |
| 6850   | (f)  | 3    | Black Nickel | Gold     | 45          |
| 6851   | (m)  | 3    | Black Nickel | Gold     | 45          |
| 7093   | (m)  | 4    | Nickel       | Silver   | 45          |
| 7094   | (f)  | 4    | Nickel       | Silver   | 45          |
| 7283   | (f)  | 3    | Nickel       | Silver   | 45          |
| 7284   | (m)  | 3    | Nickel       | Silver   | 45          |

Streamlined profile with compact shell. Time saving assembly (3 parts). No set screws. Solderable.

## XLR Plug to XLR Jack Low Noise Cable Assembly



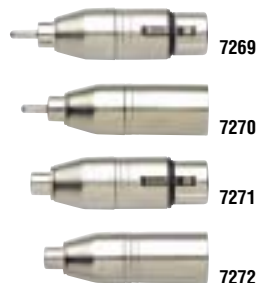
| Model#   | Length        |
|----------|---------------|
| 6869-180 | 4.6 m (15 ft) |
| 6869-300 | 7.6 m (25 ft) |

Low noise audio cable includes a 3-pin XLR male connector and a 3 contact XLR female connector.

**Pull:** 45.35 kg (100 lbs).

**Material:** *Shell:* tarnish resistant black nickel-plated brass; *Center Contact:* gold-plated brass.

## XLR/RCA Adapters



| Model# | Type            |
|--------|-----------------|
| 7269   | XLR (f)/RCA (m) |
| 7270   | XLR (m)/RCA (m) |
| 7271   | XLR (f)/RCA (f) |
| 7272   | XLR (m)/RCA (f) |

Audio adapters offer 3 contact XLR to RCA (phono) conversion. Body is die cast zinc alloy with tarnish resistant nickel plating. Contacts are nickel-plated brass.

## XLR Adapters



6856

6857

| Model# | Type            |
|--------|-----------------|
| 6856   | XLR (F)/XLR (F) |
| 6857   | XLR (M)/XLR (M) |

Body is die cast zinc alloy with tarnish resistant nickel plating. Male pin contacts are nickel-plated brass. Female contacts are nickel-plated beryllium copper.

## XLR to 1/4 in Adapters



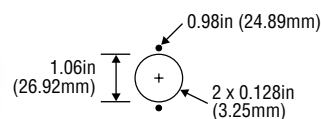
6863

6864

| Model# | Type                           |
|--------|--------------------------------|
| 6863   | XLR (F) / 1/4 in Plug (stereo) |
| 6864   | XLR (M)/1/4 in Plug (stereo)   |

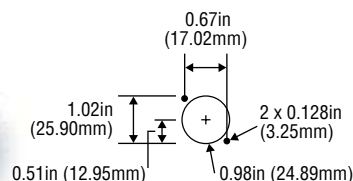
Adapters offers 3 contact XLR to 1/4 inch conversion. Sleek light weight design. XLR body is die cast zinc alloy with tarnish resistant nickel-plating. 1/4 inch plugs are nickel-plated machined brass. XLR contacts are nickel-plated brass.

## Wall/Floor Mount Male XLR Receptacle



| Model# | Pins |
|--------|------|
| 5117A  | 3    |

## Wall/Floor Mount Female XLR Receptacle



| Model# | Sockets |
|--------|---------|
| 5113A  | 3       |

## XLR Female 3-Pin Square Flanged Panel Receptacle, Horizontal PC Board



7111

3-pin XLR square panel mount receptacle for horizontal PC board mounting. Sturdy all metal one piece design. Housing is die-cast zinc alloy with tarnish resistant black nickel plating. Solder cup terminations. Front mountable.

## XLR (F) 3-Pin Square Flanged Panel Receptacle



7115

3-pin XLR square panel mount female receptacle with sturdy all metal one piece design. Housing is die-cast zinc alloy with tarnish resistant black nickel plating and gold plated contacts. Solder cup terminations. Front mountable.

### XLR Female Panel Receptacle, 3-Pin



5113A

3-pin XLR rectangular panel mount receptacle with sturdy all metal one piece design. Housing is die-cast zinc alloy with tarnish resistant nickel plating. Solder cup terminations. Front mountable.

### XLR Male Panel Receptacle, 3-Pin



5117A

3-pin XLR rectangular panel mount male receptacle with sturdy all metal one piece design. Housing is die-cast zinc alloy with tarnish resistant nickel plating. Solder cup terminations. Front mountable.

### XLR Female Panel Receptacle, 5-Pin



6854

5-pin XLR rectangular panel mount receptacle with sturdy all metal one piece design. Housing is die-cast zinc alloy with tarnish resistant nickel plating. Solder cup terminations. Front mountable.

### XLR (M) Panel Receptacle, 5-Pin



6855

5-pin XLR rectangular panel mount male receptacle with sturdy all metal one piece design. Housing is die-cast zinc alloy with tarnish resistant nickel plating. Solder cup terminations. Front mountable.

### XLR Female, 4-Pin, Rectangular Flanged Panel Mount



7107

4-pin XLR rectangular panel mount receptacle with sturdy all metal one piece design. Housing is die-cast zinc alloy with tarnish resistant nickel plating. Solder cup terminations. Front mountable.

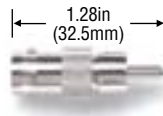
### XLR Female 3-Pin, Rectangular Flanged Panel Mount



7108

3-pin XLR rectangular panel mount receptacle with sturdy all metal one piece design. Housing is die-cast zinc alloy with tarnish resistant black nickel plating. Solder cup terminations. Front mountable.

### BNC Female to Phono (RCA) Male

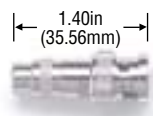


Model# 5319

**Rating:** Maximum voltage for *hands free use*: 500 Vrms, 216°F (+102°C) max.

**BNC:** Center Contact: gold-plated.

### BNC Male to Phono Jack



Model# 4054

**Rating:** Maximum voltage for *hands free use*: 500 Vrms, +257°F (+125°C) max.

### BNC Female to 1/4in (6.35mm) Phone Plug



Model# 1297

**Rating:** Maximum voltage for *hands free use*: 500 Vrms, +257°F (+125°C) max.

Convert 2 conductor audio jacks to BNC.

### BNC Female to Two Conductor, 0.14in (3.5mm) Dia. Mini Phone Plug



Model# 3837

**Rating:** Maximum voltage for *hands free use*: 500 Vrms, +257°F (+125°C) max.

Convert 2 conductor audio jacks to BNC.

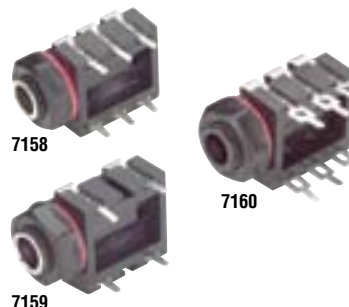
### 1/4 in, Panel Mount Phone Jacks



| Model# | Type        |
|--------|-------------|
| 7156   | 2-conductor |
| 7157   | 3-conductor |

Designed for insulated panel mount with low internal contact resistance. Body is diecast zinc alloy with tarnish resistant nickel plating. Hardware includes one copper alloy nickel-plated hex nut, and one steel nickel-plated washer.

### 1/4 in, PC Board Mount Phone Jacks



| Model# | Type                        |
|--------|-----------------------------|
| 7158   | PC board mount, 3-conductor |
| 7159   | PC board mount, 2-conductor |
| 7160   | PC board mount, 3-conductor |

PC board mounts for connection with standard commercial phone plugs. Solderable with nickel silver contacts.

## Right-Angle and Straight 1/4 in. Standard Phone Plugs



6874



7152

| Model# | Description                                                    | Shell        | Contacts | Lbs of Pull |
|--------|----------------------------------------------------------------|--------------|----------|-------------|
| 6873   | 1/4 in. Phone Plug, 2 Pole                                     | Black Nickel | Gold     | 45          |
| 6874   | 1/4 in. Phone Plug, 3 Pole                                     | Black Nickel | Gold     | 45          |
| 7142   | Straight 3-Conductor Balanced 1/4 in. Std. Phone Plug (Stereo) | Nickel       | Nickel   | 45          |
| 7150   | Shielded 2-Conductor 1/4 in. Phone Plug, Long Handle           | Nickel       | Nickel   | 45          |
| 7151   | Right-Angle 2-Conductor 1/4 in. Plug (Mono)                    | Nickel       | Nickel   | 45          |
| 7152   | Shielded 3-Conductor Balanced 1/4 in. Phone Plug (Stereo)      | Nickel       | Nickel   | 45          |

## BNC Male to 1/4in (6.35mm) Two Conductor Phone Jack

2.86in (72.64mm)



Model# 4043

**Rating:** Maximum voltage for *hands free use*: 500 Vrms, +257°F (+125°C) max.

Convert 2 conductor phone plugs to BNC.

## 1/4 in Plug/RCA Jack



6878

Two pole mono-to-mono adapters in easy-to-use configurations. Contacts are nickel-plated brass.

## F Female to Female Bulkhead Receptacle

0.80in  
(20.4mm)



Model# 6706

In line, with nut and washer

**Material:** Machined, nickel-plated brass.

## RCA (phono) Jack



6880

Sleek silver and gold compact design. Handles up to 6.0 mm (0.24 in) O.D. cable. Body is made of die cast zinc alloy with tarnish resistant nickel-plating. Contacts are gold-plated brass.

## F Within Series Adapters

1.0in  
(25.4mm)



6712

0.92in  
(23.3mm)



6713

| Model# | Type                     |
|--------|--------------------------|
| 6712   | F (m/f) Right angle      |
| 6713   | F (m/f) In line, Push-on |
| 6800   | F (m/f) Right angle      |

**Material:** Machined, nickel-plated brass

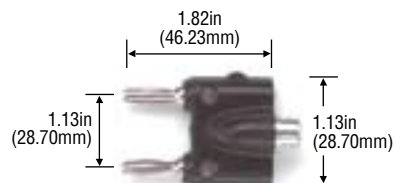
## RCA (phono) Plug



6881

Sleek silver and gold compact design. Handles up to 6.0 mm (0.24 in) O.D. cable. Body is made of die cast zinc alloy with tarnish resistant nickel-plating. Contacts are gold-plated brass.

## Phono Jack to Double Stacking Banana Plug



Model# 1442

**Rating:** Maximum voltage for *hands free use*: 500 Vdc, +122°F (+50°C) max.

Permits phono plug to be used with equipment having standard banana jacks or binding posts.

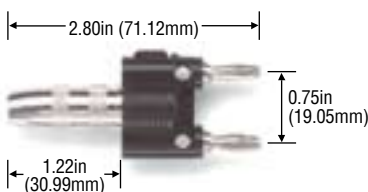
## RCA (phono) Adapter (F/M/F)



6882

One plug and two jack configuration with compact design. Contacts are gold-plated brass for low contact resistance.

## 1/4in (6.35mm) Phone Jack to Double Stacking Banana Plug



Model# 4044

**Rating:** Maximum voltage for *hands free use*: 500 Vrms, +122°F (+50°C) max.

2 conductor 0.25in (6.35mm) dia. phone jack.

## 1/4 in Jack/RCA Plug



6879

Two pole mono-to-mono adapters in easy-to-use configurations. Contacts are nickel-plated brass.

# Automotive

Offering a variety of test accessories designed specifically for the automotive environment, Pomona simplifies automotive diagnostics. Pomona automotive accessories give you access to wiring or cables in congested engine compartments, under-dash wiring harnesses, and other generally hard-to-reach places.

## Insulation Piercing Clip Sets

| Model#  | Features                             | Colors           |
|---------|--------------------------------------|------------------|
| 6405    | Attach to test leads                 | Set of red/black |
| 6413    | Attach to 0.080in (2.03mm) Probe tip | Set of red/black |
| 6580-12 | 12in (304.8mm) long                  | -0 blk, -2 red   |
| 6580-24 | 24in (609.6mm) long                  | -0 blk, -2 red   |



- Double V block centers wire.
- 6405, 6413: set of 2, (red and black jacks).
- Bright yellow for easy location.
- Attach to test leads.

## Insulation Piercing Maxigrabber® Test Clip Set

Model# 5913

- Insulated probe for hard to reach test points.
- Set of 2, red and black.



## Test Lead Rack

Model# 4408M

- Magnetic, attach to tool box or other steel cabinet.
- Neat storage for leads.
- Easy access.



## Basic Backprobe Pins

Model# 6411

- Make connection to terminals inside connectors up to 1in (25.40mm) deep.
- For low voltage use < 30V.
- Pkg of 10.



## Rigid Backprobe Pin

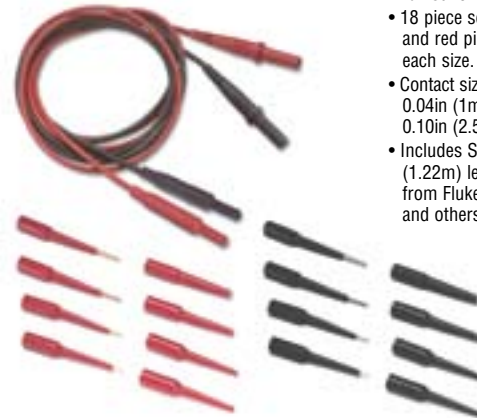
Model# 6544-02



- Sharp point to pierce insulation or weather boot up to 2in (50.8mm) deep.
- For low voltage use < 30V.
- Set of 2 (red + black).
- Fits comfort-grip style and modular probes 6232A and 6479.

## Test Connector Adapter Set

Model# 6481



- Full set of pin and socket adapters
- 18 piece set includes one black and red pin and socket of each size.
- Contact sizes: 0.03in (0.75mm), 0.04in (1mm), 0.06in (1.5mm), 0.10in (2.5mm).
- Includes Silicone insulated 4ft (1.22m) leads to fit most DMMs from Fluke, Amprobe, Greenlee and others.

## Coaxial Lead Set Lead Set

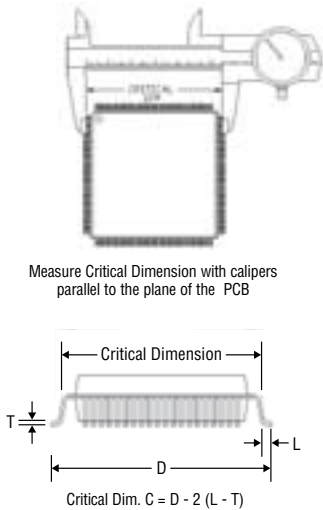
Model# 6534



- Complete set of coaxial leads.
- Molded strain relief.
- Seven piece set from 1 to 10ft (0.3 to 3.05m).
- Standard BNC connectors fit oscilloscopes and other instruments.

Innovative solutions. Pomona Electronics' IC Test Clips – designed for your chip. Uniquely designed for testing surface mount devices – easily, securely and successfully. Low-profile fine-pitch chips, densely populated boards, or vertical boards, POMONA test clips connect you with confidence.

### How to Measure or Calculate the Critical Dimension for Your QFP Test Clip



### Test Clip Selection Made Easy

To select the Pomona IC Test Clip specifically designed for your chip, find the table for your chip type and follow the selection procedure outlined in this section.



#### PLCC

To find your PLCC Quad Clip<sup>®</sup> test adapter, turn to the PLCC table on page 84 and reference the following characteristics of your target chip:

1. Number Of Leads
2. Body Size



#### DIP

To find your DIP test clip, turn to the DIP table on page 85 and reference the following characteristics of your target chip:

1. Number Of Leads
2. Test Clip Contact Style (see Fig. 1 & 2, page 85)



#### SOIC/SOJ

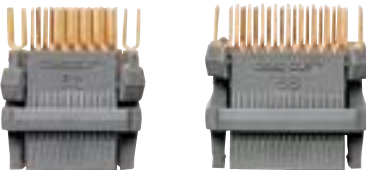
To find your SOIC Clip<sup>®</sup> test clip, turn to the SOIC/SOJ table on page 85 and reference the following characteristics of your target chip:

1. Number Of Leads
2. Confirm Body Width Compatibility
3. For Lower and Top Test Clip Width (see Fig. 1, 2 & 3, page 85)

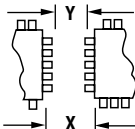
Pomona offers a wide variety of Micro-SMD Grabber<sup>®</sup> Test Clips for use in testing fine pitch PQFP devices. See SMD/Micro Format Test section for complete selection.



### PLCC Test Clips



|                  | X Min.          | Y Min.          |
|------------------|-----------------|-----------------|
| Single Testing   | 0.120in (3.1mm) | 0.110in (2.8mm) |
| Adjacent Testing | 0.325 (8.3mm)   | 0.285 (7.2mm)   |



Pomona's low-cost Quad Clip<sup>®</sup> test clips quickly lock onto J-leaded PLCCs, providing easy access for testing surface-mounted devices. PLCC test clips attach to PLCC chips with a sliding cam that clamps onto the chip body. Access to chip leads is provided by 0.025in (0.635mm) pins at 0.100in (2.54mm) spacing. Pomona offers a Quad Clip<sup>®</sup> test clip to fit all currently available PLCC chip sizes.

Lead Pitch: 0.050in (1.27mm)

| Model# | No. Leads | Lead Pattern | Body Size                           | Typical Applications                                 |
|--------|-----------|--------------|-------------------------------------|------------------------------------------------------|
| 5279   | 20        | 5 X 5        | 0.36in X 0.36in (9.14mm x 9.14mm)   | Intel 85C220                                         |
| 5280   | 28        | 7 X 7        | 0.46in X 0.46in (11.68mm x 11.68mm) | Intel 5C60, 85C224, Philips 8XC751, Raytheon TMC1173 |
| 5733   | 32        | 7 X 9        | 0.46in X 0.56in (11.68mm x 14.22mm) | AMD 29F040, Xicor X28TC256, Cypress CY7B991          |
| 5281   | 44        | 11 X 11      | 0.63in X 0.63in (16.00mm x 16.00mm) | AMD MACH110, 80C88, Siemens SAB-C501                 |
| 5312   | 52        | 13 X 13      | 0.75in X 0.75in (19.05mm x 19.05mm) | Intel 87C196, 87C196, Motorola 68008                 |
| 5401   | 68        | 17 X 17      | 0.95in X 0.95in (24.13mm x 24.13mm) | Intel 80C188, AMD MACH220, Hitachi H8/330            |
| 5402   | 84        | 21 X 21      | 1.15in X 1.15in (29.21mm x 29.21mm) | AMD MACH130, Altera EPF8452, Cirrus Logic CL16005    |
| 5515A  | 20-84     |              |                                     | PLCC Clip Kit containing 1 of each size PLCC Clip    |

## DIP Test Clips

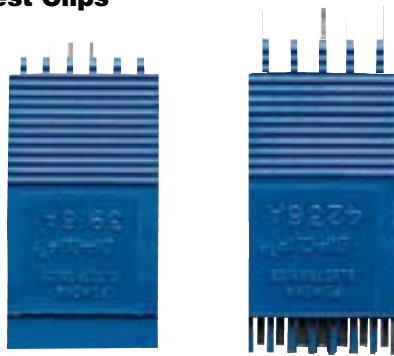


Fig. 1

Fig. 2

| Model# | No. Leads | Chip Width     | Contact Style | Contact Material | Typical Applications  | Fig. |
|--------|-----------|----------------|---------------|------------------|-----------------------|------|
| 5108   | 8         | 0.3in (7.62mm) | Closed        | Gold Plate       |                       | 1    |
| 5208   | 8         | 0.3in (7.62mm) | Open          | Gold Plate       |                       | 2    |
| 5014   | 14        | 0.3in (7.62mm) | Closed        | Nickel Silver    |                       | 1    |
| 5114   | 14        | 0.3in (7.62mm) | Open          | Nickel Silver    |                       | 2    |
| 3916A  | 16        | 0.3in (7.62mm) | Closed        | Nickel Silver    | Analog Devices AD7715 | 1    |
| 5220   | 20        | 0.3in (7.62mm) | Open          | Gold Plate       |                       | 2    |

Pomona DIP Test Clips provide fast, reliable and secure connections to socketed and through-hole DIP chips. Available in two styles, DIP Test Clips give you the option of full coverage of clip contacts for maximum durability or open contacts at the board level for easier access to chip leads.

**Fig. 1:** Spring-actuated clip features gold-plated beryllium copper or spring-tempered nickel silver pins to assure positive contact in a firm wiping action for hands-free testing.

**Fig. 2:** Clip features same construction as Figure 1 except for an opening on the outside of the contact housing to permit probing while the clip is attached to the DIP.

## SOIC/SOJ Test Clips

SOIC Clip® test clips feature a narrow-profile design that makes testing SOIC and SOJ chips on densely-populated boards easier and safer.

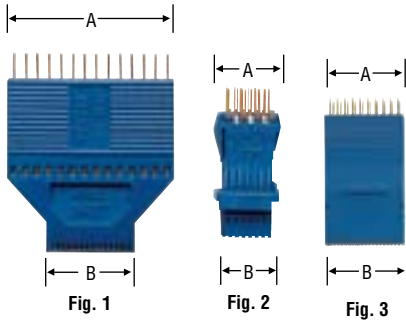


Fig. 1

Fig. 2

Fig. 3

**Fig. 1:**

Spring-loaded SOIC Clip® attaches to target chip and holds on with spring pressure against the chip body. Contacts on top of the clip are 0.025in (0.635mm) pins at 0.10in (2.54mm) spacing. Designed to attach to surface-mounted chips with either gull wing or "J" leads.

**Fig. 2:**

This 14-pin clip features a slider that presses the contact housings against the chip and provides a more secure connection on surface mounted chips with gull wing or "J" leads. Compact design is ideal for testing on densely-populated boards.

**Fig. 3:**

New 32-, 40- & 44-pin SOIC/SOJ test clip is a new design of the spring-loaded clip that features double-row .025 wire wrap pins for easy connection to ribbon cable. This clip will fit all SOIC/SOJ chips between 0.30in (7.62mm) and 0.60in (15.24mm) width.

**Lead Pitch:** 0.050in (1.27mm).

| Model# | No. Leads | Lower Width (A) | Body Widths                          | Top Width (B)     | Typical Applications                                    | Fig. |
|--------|-----------|-----------------|--------------------------------------|-------------------|---------------------------------------------------------|------|
| 5250   | 8         | 0.26in (6.60mm) | 0.15in to 0.3in (3.81mm to 7.62mm)   | 0.430in (10.92mm) | Analog Devices AD834JR, Triquint TQ9122N                | 1    |
| 5251   | 14        | 0.410 (10.41mm) | 0.15in to 0.3in (3.81mm to 7.62mm)   | 0.755in (19.18mm) | Motorola HCT08A, Philips 74HC125                        | 1    |
| 5413   | 14        | 0.410 (10.41mm) | 0.15in (3.81mm )                     | 0.520in (13.20mm) | Harris HFSP43280, Goldstar GM76C256                     | 2    |
| 5252   | 16        | 0.460 (11.68mm) | 0.15in to 0.3in (3.81mm to 7.62mm)   | 0.830in (21.08mm) | Maxim MAX791, Microlinear ML6509, AMD 26LS31            | 1    |
| 5253   | 20        | 0.560 (14.22mm) | 0.15in to 0.3in (3.81mm to 7.62mm)   | 1.030in (26.16mm) | Linear Tech. LT1130, Maxim MX7226, Motorola HCT373A     | 1    |
| 5254   | 24        | 0.660 (16.76mm) | 0.15in to 0.3in (3.81mm to 7.62mm)   | 1.230in (31.24mm) | Altera EP610APC, Linear Tech. LT1130, Motorola MC22V10S | 1    |
| 5437   | 28        | 0.760 (19.30mm) | 0.15in to 0.3in (3.81mm to 7.62mm)   | 1.430in (36.32mm) | Texas Inst. SN74F32D, Altera EPM5032, Raytheon TMC1171  | 1    |
| 6107   | 32        | 0.870 (22.10mm) | 0.30in to 0.60in (7.62mm to 15.24mm) | 0.870in (22.10mm) | Toshiba TMPN3120, Hitachi HM628128, NEC D431000AGW      | 3    |
| 6108   | 40        | 1.070 (27.18mm) | 0.30in to 0.60in (7.62mm to 15.24mm) | 1.070in (27.18mm) | —                                                       | 3    |
| 6109   | 44        | 1.170 (29.72mm) | 0.30in to 0.60in (7.62mm to 15.24mm) | 1.170in (29.72mm) | —                                                       | 3    |
| 5514   |           |                 |                                      |                   | SOIC Clip® Test Kit contains 1 each 8 - 28 pin clips    |      |

Working with static sensitive devices? Pomona enables you to work with confidence when using our static control accessories. Whether you choose to purchase our selection of grounding systems or build your own ESD set-up, Pomona gives you a variety of individual accessories. Our accessories also make a perfect addition to our Test Companion Kits.

### Large Service Kit



Model# 6088

Provides a larger working area than Model 6087. This kit provides a static-safe 24in x 24in (609.6mm x 609.6mm) laminated red vinyl mat. The mat includes a 10mm snap socket and two 8in x 11in (203.2mm x 279.4mm) pockets. Carry those often used tools right with the mat. A common point ground connector with two Banana Plug Jacks and a 15ft (4.5m) ground lead. An adjustable elastic wrist strap and a resistive coil cord complete the kit. Folds down to fit into your tool box.

### Adjustable Elastic Wrist Strap Kit



Model# 6082

A complete wrist strap kit features adjustable elastic wrist strap. Also included: Resistive Coil Cord (1M $\Omega$  resistor molded in) extendable to 6ft (1.8m) with a Straight Banana Plug and Alligator Clip.

### Field Service Kit



Model# 6087

A complete and durable service kit for static sensitive work. Features a static-safe 18in x 22in (460mm x 558.8mm) laminated red vinyl mat. The kit includes a mat with two 0.39in (10mm) snap sockets, common point ground connector with two Banana Plug Jacks and a 15ft (4.5m) ground lead, an adjustable elastic wrist strap and a resistive coil cord. Folds down to fit into your tool kit.

Model# 6088 and 6087

**Mat Color:** Red.

**Thickness:** 0.018in (0.46mm).

**Surface Resistivity:** 108 to 109 $\Omega$  / Sq.

**Volume Resistivity:** 109 $\Omega$  cm.

**Static Decay:** 0.01sec 5000V to 0V 12%RH.

### Wrist Strap Tester



Model# 6086

Test any wrist strap connected to utility ground with a simple touch. The tester has two Banana Plug Sockets for Wrist Strap cord attachments. Once connected, the user simply touches the unit and a green light and audible sound indicate a proper ground. (Audible indicator has selectable on or off).

The tester can be mounted near your work area with Velcro<sup>®</sup> strips (supplied) or, using an integral button 10mm snap stud, attached directly to your static-safe work mat. Powered by a 120 VAC wall adapter (supplied), the tester has a "Power on" indicator. It is practical for both a quick test or as a continuous ground point connection. UL listed.

Touch Type On-Demand Tester and Common Point Ground.

### Adjustable Metal Wrist Strap Kit



Model# 6084

Complete wrist strap kit features the adjustable metal wrist strap. Also included: Resistive Coil Cord (1M $\Omega$  resistor molded in) extendable to 6ft (1.8m) with a Straight Banana Plug and Alligator Clip.

### Wrist Straps



| Model# |               | Circumference – Min.            |
|--------|---------------|---------------------------------|
| 6083   | Adjustable    | 5.5in (139mm)<br>13in (330.2mm) |
| 5528   | Large Expand  | 7.3in (185mm)<br>13in (330.2mm) |
| 5529   | Medium Expand | 6.5in (165mm)<br>12in (304mm)   |

Made of non-allergenic stainless steel, each link has a 0.08in (2mm) PVF film laminated on top for electrical insulation. Quick and easy adjustment without tools, the wrist strap will fit most users. A standard 0.16in (4mm) snap stud allows attachment to resistive coil cords.

**Material:** Band: Stainless steel / PVF Insulation.

**Cover:** Thermoplastic.

**Wrist Circumference:** 5.5in to 13.0in (139.7mm x 330.2mm).

**Width:** 0.63in (16.0mm).

### Ring Terminal



#### Model# 5531

Attach this terminal to table or cabinet to create a banana jack for grounding wrist strap. Screw hole accepts up to #10 screw.

### Adjustable Elastic Wrist Strap



#### Model# 6081

An adjustable, one size fits all, wrist strap. The wristband features a dual stainless steel cam that securely locks the plastic band, but allows easy adjustment without tools. The washable fabric band has silver impregnated nylon threads knitted into its inner surfaces. Only non-allergenic stainless steel and silver touch the skin. Standard 4mm snap stud allows attachment to resistive coil cords (Pomona models 5534 and 6085). Wrist circumference: 2.5in (64mm) to 13in (330mm). (183cm).

### Stacking Snap Banana Jack



#### Model# 5532

Attach this jack to either banana snap stud (male) or banana snap socket (female). It allows multiple attachment to the same grounding point. Snap is 3/8in (9.52mm).

**Material:** High conductivity copper with tin plated finish.

### Antistatic Ground Cord



#### Model# 5534

These patch cords feature a molded-in 1 Megohm resistor at the snap end. The 5534 has a straight banana plug, the 6085 has a right angle plug. Nominal extended length is 72in (183cm).

Accuracy and repeatability – Pomona connects to the telecom industry with an impressive selection of test accessories. Ideal for network testing, troubleshooting, leave-in-the-line patching, or system prototyping, Pomona Electronics' traditional reliability adds up to the quality connection telecom professionals demand.

### Universal DSX-3 Test Kit



Model# 6568

- Ideal for OSP/CO technicians.
- Kit reduces the need for multiple cables to service and test DSX-3 panels.
- Adapters quickly convert BNC cables to Mini or Standard WECO interfaces.
- Cables are color coded blue (transmit) and red (receive) for ease of testing.
- Strain reliefs are molded directly to the cable and BNC plugs for added pull strength.
- Test Companion pouch allows for convenient accessory storage.

#### Kit includes:

One blue BNC Male Cable Assembly  
One red BNC Male Cable Assembly  
Four Standard WECO to BNC Adapters  
Four Mini-WECO to BNC Adapters  
Test Companion Shoulder Pack

### True 75Ω BNC Male Cable



| Model#      | Length      |
|-------------|-------------|
| 6510-V-12-0 | 12in (0.3m) |
| 6510-V-24-0 | 24in (0.6m) |
| 6510-V-36-0 | 36in (0.9m) |
| 6510-V-48-0 | 48in (1.2m) |
| 6510-V-60-0 | 60in (1.5m) |
| 6510-V-72-0 | 72in (1.8m) |

BNC connectors are perfectly matched to 75Ω impedance for superior VSWR and return loss performance.

Ideal for digital video and telecommunication applications.

**Cable Type:** High Flex, Multi-strand center conductor, RG59 Type, Black.

### True 75Ω BNC Cable (Transmit/Receive)



| Model#      | Length      | Color |
|-------------|-------------|-------|
| 6510-V-72-2 | 72in (1.8m) | Red   |
| 6510-V-72-6 | 72in (1.8m) | Blue  |

Cable and Strain Relief are color coded red and blue for easy identification of transmit and receive lines.

**Cable Type:** High Flex, Multi-strand center conductor, RG59 Type.

### BNC Male to Bantam Plug Cable



| Model#  | Length      |
|---------|-------------|
| 6517-96 | 96in (2.4m) |

**Cable Type:** RG59 Type.

**Bantam:** Nickel-plated brass.

### BNC Female to WE309/ WE310 Plug Adapters



| Model# | Plug Type |
|--------|-----------|
| 2798   | WE310     |
| 1794   | WE309     |

**Rating:** Maximum voltage for *hands free use*: 500V Peak, +122°F (+50°) max.

### BNC Female to Bantam Plug Adapters



| Model# | 4719 |
|--------|------|
|--------|------|

**Rating:** Maximum voltage for *hands free use*: 500V Peak, +122°F (+50°) max.

Convert Bantam style jacks to BNC.

### 75Ω BNC Male to Mini-WECO (440) Connector Cable



| Model#  | Length      |
|---------|-------------|
| 6515-96 | 96in (2.4m) |

**Cable Type:** RG59 Type.

### 75Ω BNC Male to Standard WECO (WE090) Connector Cable



| Model#  | Length      |
|---------|-------------|
| 6516-96 | 96in (2.4m) |

**Cable Type:** RG59 Type.

### Mini-WECO (440) Plug Patch Cord



| Model#  | Length      |
|---------|-------------|
| 6502-96 | 96in (2.4m) |

**Cable Type:** RG59 Type.

### BNC Female to Mini/Standard TO WECO Plug Adapters



| Model# | Plug Type         |
|--------|-------------------|
| 6519   | Mini WECO (440)   |
| 5008   | Std. WECO (WE090) |

Permits BNC male to be used with equipment having Std. WECO or Mini WECO plugs.

**Rating:** Maximum voltage for *hands free use*: 500 Vrms, +216°F (+102°C) max.

### Bantam Plug Patch Cord



| Model#  | Length      |
|---------|-------------|
| 4279-12 | 12in (0.3m) |
| 4279-24 | 24in (0.6m) |
| 4279-36 | 36in (0.9m) |
| 4279-48 | 48in (1.2m) |
| 4279-60 | 60in (1.5m) |
| 4279-72 | 72in (1.8m) |

**Bantam Plug:**

4279: Unplated brass.

4279N: Nickel-plated brass.

**Rating:** Maximum voltage for *hands free use*: 300 Vrms, +122°F (+50°C) max.

**Cable Type:** 2 Conductor Shielded Twisted Pair, 0.180in (4.57mm) O.D.

### Bantam Plug to Two Alligator Clips



| Model#   | Length      |
|----------|-------------|
| 5026-36  | 36in (0.9m) |
| 5026-60  | 60in (1.5m) |
| 5026N-60 | 60in (1.5m) |

**Bantam Plug:**

5026: Unplated brass.

5026N: Nickel-plated brass.

**Rating:** Maximum voltage for *hands free use*: 150 Vrms, +122°F (+50°C) max.

**Cable Type:** 2 Conductor Shielded Microphone, 0.180in (4.57) O.D.

### Bantam Plug to Minigrabber® Test Clips



| Model#   | Length      |
|----------|-------------|
| 5019-60  | 60in (1.5m) |
| 5019N-60 | 60in (1.5m) |

**Bantam Plug:**

5019: Unplated brass.

5019N: Nickel-plated brass.

**Rating:** Maximum voltage for *hands free use*: 300 Vrms, +122°F (+50°C) max.

**Cable Type:** 2 Conductor Shielded cable, 0.180in (4.57) O.D.

### Bantam Plug to Double Banana Plug



| Model#  | Length      |
|---------|-------------|
| 6523-96 | 96in (2.4m) |

**Bantam Plug:** Nickel-plated brass.  
**Cable Type:** RG59 Type.

### Bantam Plug to RJ48/RJ45 Connector Cable



| Model#  | Length      |
|---------|-------------|
| 6324-96 | 96in (2.4m) |

**Bantam Plug:** Nickel-plated brass.  
**Rating:** Maximum voltage for *hands free use*: 300 Vrms.  
**Cable Type:** 2 Conductor Shielded Twisted Pair.  
**Pin Out:** 4-Ring, 5-Tip.

### Bantam Plug to Micrograbber® Test Clips



| Model#  | Length      |
|---------|-------------|
| 4778-60 | 60in (1.5m) |

**Bantam Plug:** Unplated brass.  
**Rating:** Maximum voltage for *hands free use*: 150 Vrms\*, +122°F (+50°C) max.  
**Cable Type:** 2 Conductor Shielded cable, 0.180in (4.57mm) O.D.

### Two Single Bantam Plugs to RJ48/RJ45 Connectors



| Model#  | Length      |
|---------|-------------|
| 6320-96 | 96in (2.4m) |

**Bantam Plug:** Nickel-plated brass.  
**Rating:** Maximum voltage for *hands free use*: 300 Vrms.  
**Cable Type:** 2 and 4 Conductor Shielded Twisted Pair. Bantam "Y" (Tx and Rx) to RJ48 modular plug.  
**Pin out:** 1-Ring, 2-Tip, 4-Ring, 5-Tip.

### Bantam Plug to Double Banana Plug, Balanced Line



| Model#  | Length      |
|---------|-------------|
| 4281-60 | 60in (1.5m) |

**Bantam Plug:** Unplated brass.  
**Rating:** Maximum voltage for *hands free use*: 500V Peak, +131°F (+55°C) max.  
**Cable Type:** 2 Conductor Shielded Microphone, 0.180in (4.57mm) O.D.

### Bantam Plug to WE310 Plug Patch Cable



| Model#   | Length      |
|----------|-------------|
| 4280N-36 | 36in (0.9m) |
| 4280-48  | 48in (1.2m) |
| 4280-60  | 60in (1.5m) |

**WE310 and Bantam Plugs:**  
4280: Unplated brass.  
4280N: Nickel-plated brass  
**Rating:** Maximum voltage for *hands free use*: 300 Vrms., +122°F (+50°C) max.  
**Cable Type:** 2 Conductor Shielded Twisted Pair, 0.180in (4.57mm) O.D.

### Bantam Plug to RJ11 Connector Cable



| Model#  | Length      |
|---------|-------------|
| 6323-96 | 96in (2.4m) |

**Bantam Plug:** Nickel-plated brass.  
**Rating:** Maximum voltage for *hands free use*: 300 Vrms..  
**Cable Type:** 2 Conductor Shielded Twisted Pair.  
**Pin out:** 3-Ring, 4-Tip

### Bantam (Female) to WE310 Plug Adapter



| Model# | Plating  |
|--------|----------|
| 4993   | Unplated |
| 6315   | Nickel   |

**Plug Body:** Brass.  
3 Conductor adapter. Converts bantam cable into a WE310 plug-end patch cable.

### Dual Bantam Plug Patch Cable



| Model#  | Length      |
|---------|-------------|
| 6331-96 | 96in (2.4m) |

**Bantam Plugs:** Nickel-plated brass.  
**Rating:** Maximum voltage for *hands free use*: 300 Vrms.  
**Cable Type:** 4 Conductor Shielded Twisted Pair.

### Two Single WE310 Plugs to RJ48/RJ45 Plug



| Model#  | Length      |
|---------|-------------|
| 6316-96 | 96in (2.4m) |

**WE310 Plug:**  
 3352: Unplated brass.  
 3352N: Nickel-plated brass.  
**Rating:** Maximum voltage for *hands free use*: 150 Vrms., +122°F (+50°C) max.  
**Cable Type:** 2 Conductor Twisted Pair, 0.250in (6.35mm) O.D.

### Bantam or WE310 Plug to Binding Post



| Model# | Plug Type |
|--------|-----------|
| 2112   | WE310     |
| 5001   | Bantam    |

**Rating:** Maximum voltage for *hands free use*: 500V Peak, +122°F (+50°C) max.  
 Adapts Bantam or WE310 style equipment to binding posts and double banana plugs.

### WE310 Plug to Double Banana Plug Cable



| Model#  | Length      |
|---------|-------------|
| 6524-96 | 96in (2.4m) |

**Cable Type:** RG59.

### Piercing Clips to Sheathed Banana Test Leads



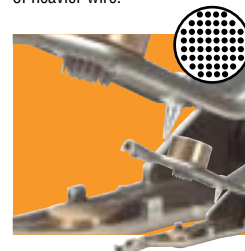
| Model#    | Clip Type                      | Length      |
|-----------|--------------------------------|-------------|
| 6483-48-* | Bed of Nails and Single Needle | 48in (1.2m) |
| 6485-48-* | Bed of Nails                   | 48in (1.2m) |

Pierces 19 to 26 AWG Wire.  
**Wire:** 18 AWG Silicone Test Lead Wire.  
 For use with DMM's from Fluke, Wavetek (Meterman), Amprobe, Greenlee and others.  
**\*Colors:** -0 Black, -2 Red, -02 includes both Black and Red.

### Piercing Clip Styles for Test Leads and Patch Cords

#### Bed of Nails/Single Needle

Small wire and single penetration of heavier wire.



#### Bed of Nails

Small wire penetration.



### WE310 Plug to Two Alligator Clips



| Model#     | Length      |
|------------|-------------|
| 3352-A-60  | 60in (1.5m) |
| 3352N-A-60 | 60in (1.5m) |

**WE310 Plug:**  
 3352: Unplated brass.  
 3352N: Nickel-plated brass.  
**Rating:** Maximum voltage for *hands free use*: 150 Vrms., +122°F (+50°C) max.  
**Cable Type:** 2 Conductor Twisted Pair, 0.250in (6.35mm) O.D.

### Piercing Clips to Bantam Plugs Patch Cord



| Model#  | Clip Type                      | Length       |
|---------|--------------------------------|--------------|
| 6484-60 | Bed of Nails and Single Needle | 60in (1.52m) |
| 6486-60 | Bed of Nails                   | 60in (1.52m) |

**Cable:** Two Conductor Twisted Pair.  
**Breakout Wire:** 18 AWG.

### BNC Female to WE310 Phone Plug

**Model# 2798**

**Rating:** Maximum voltage for *hands free use*: 500V Peak, +122°F (+50°C) max.



### BNC Female to Mini-WECO (440) Plug Adapter

**Model# 6519**

**Rating:** Maximum voltage for *hands free use*: 500V Peak, +216°F (+102°C) max.  
Permits BNC male to be used with equipment having mini-WECO jacks.  
Video plug equivalent to WE-090.



### BNC Female to Bantam Phone Plug

**Model# 4719**

**Rating:** Maximum voltage for *hands free use*: 500V Peak, +122°F (+50°C) max.

Convert Bantam style jacks to BNC.



### BNC Female to Standard WECO (WE090) Plug Adapter

**Model# 5008**

**Rating:** Maximum voltage for *hands free use*: 500V Peak, +216°F (+102°C) max.

Permits BNC male to be used with equipment having standard WECO jacks.

Video plug equivalent to WE-090.



### Bantam Phone Jack to WE310 Phone Plug

**Model# 4993**

**Rating:** Maximum voltage for *hands free use*: 500V Peak.

Use cords with Bantam style plugs on equipment with WE-310 jacks.



### BNC Female to WE309 Phone Plug

**Model# 1794**

**Rating:** Maximum voltage for *hands free use*: 500V Peak, +122°F (+50°C) max.

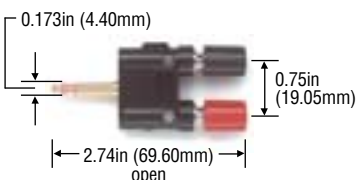


### Stackable Binding Posts to Bantam Phone Plug

**Model# 5001**

**Rating:** Maximum voltage for *hands free use*: 500V Peak, +122°F (+50°C) max.

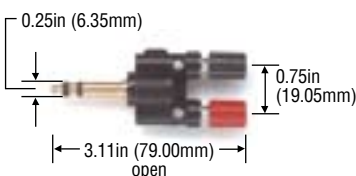
Adapts Bantam style equipment to binding posts and double banana plugs.



### Stackable Binding Posts to WE310 Phone Plug

**Model# 2112**

**Rating:** Maximum voltage for *hands free use*: 500V Peak, +122°F (+50°C) max.



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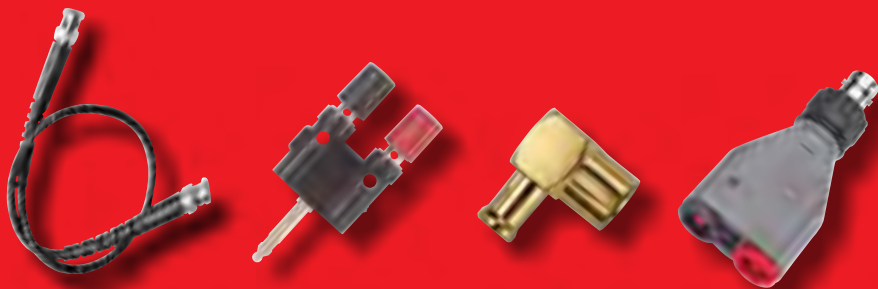


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