

## Adapter for Crimping #20 AWG Wire to Size #23 Series 79 Contacts

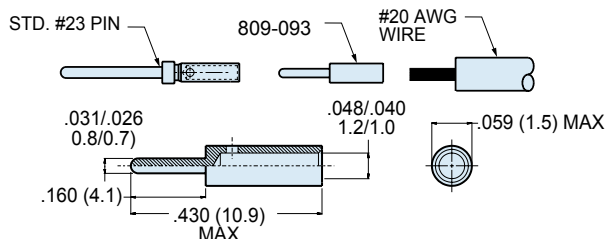
Size #22 AWG wire is the largest wire size that fits standard size 23 contacts. Use this adapter to attach larger #20 gage wire. First, crimp wire to adapter, then crimp the adapter into the size #23 contact. Adapters are made of tellurium copper alloy #1452, and are gold plated. Crimp with M22520/1-01 tool and 809-138 (Daniels TH653) positioner. These adapters cannot be removed from connectors.



#20 AWG Wire Adapter

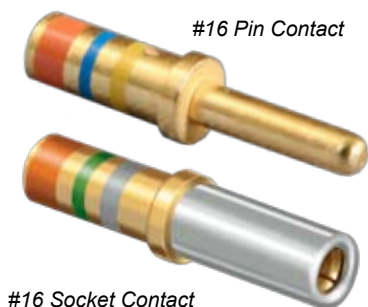
| Adapter Size | Wire Size | Part Number | Tool Code |
|--------------|-----------|-------------|-----------|
|--------------|-----------|-------------|-----------|

|        |     |                |      |
|--------|-----|----------------|------|
| #22-20 | #20 | <b>809-093</b> | I, K |
|--------|-----|----------------|------|



## Size #16 Power Contacts, Crimp Termination

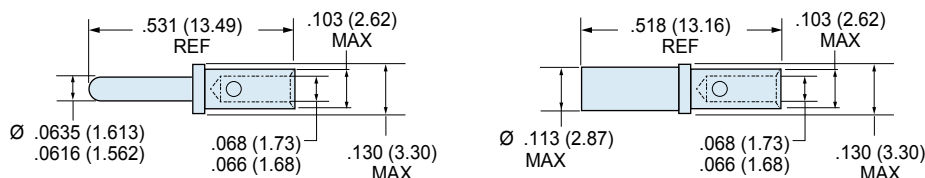
Standard size #16 contacts accept #16 to #20 AWG wire. At rated test current of 13 amps, the maximum voltage drop is 74 millivolts. Contacts are gold-plated copper alloy. Socket contacts feature stainless steel hoods to protect against probe damage. Approved to SAE-AMS-39029. Contacts are bulk packaged. Terminate with M22520/1-01 crimper and M22520/1-04 positioner.



#16 Pin Contact

#16 Socket Contact

| Contact Type | Wire Size | Part Number    | Military Part Number | Color Band |       |        | Tool Code |
|--------------|-----------|----------------|----------------------|------------|-------|--------|-----------|
|              |           |                |                      | 1st        | 2nd   | 3rd    |           |
| Pin          | #16 - #20 | <b>809-110</b> | M39029/58-364        | Orange     | Blue  | Yellow | I, J      |
| Socket       | #16 - #20 | <b>809-111</b> | M39029/57-358        | Orange     | Green | Gray   | I, J      |



## Size #12 Power Contacts, Crimp Termination

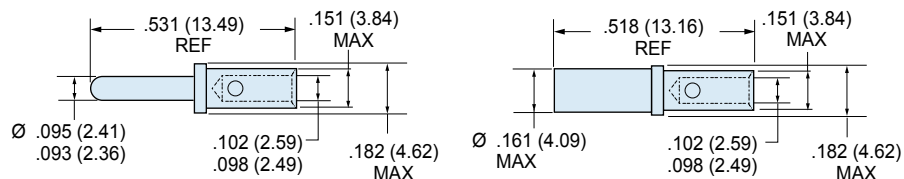
Standard size #12 contacts accept #12 to #14 AWG wire. At rated test current of 23 amps, the maximum voltage drop is 63 millivolts. Contacts are gold-plated copper alloy. Socket contacts feature stainless steel hoods to protect against probe damage. Approved to SAE AS39029. Contacts are bulk packaged. Terminate with M22520/1-01 crimper and M22520/1-04 positioner.



#12 Pin Contact

#12 Socket Contact

| Contact Type | Wire Size | Part Number    | Military Part Number | Color Band |       |       | Tool Code |
|--------------|-----------|----------------|----------------------|------------|-------|-------|-----------|
|              |           |                |                      | 1st        | 2nd   | 3rd   |           |
| Pin          | #12 - #14 | <b>809-112</b> | M39029/58-365        | Orange     | Blue  | Green | I, J      |
| Socket       | #12 - #14 | <b>809-113</b> | M39029/57-359        | Orange     | Green | White | I, J      |

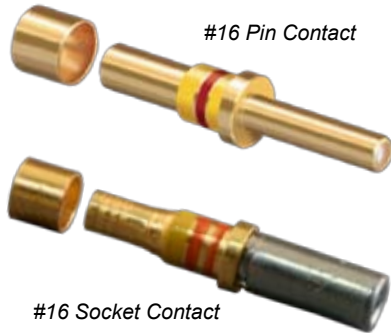


Dimensions in inches (millimeters) and are subject to change without notice.

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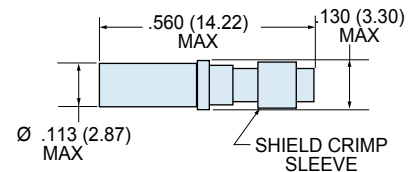
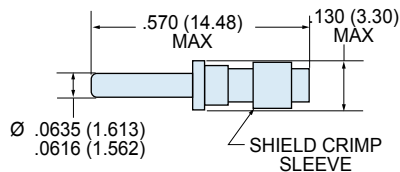
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## Size #16 Coaxial Contacts, Crimp Termination

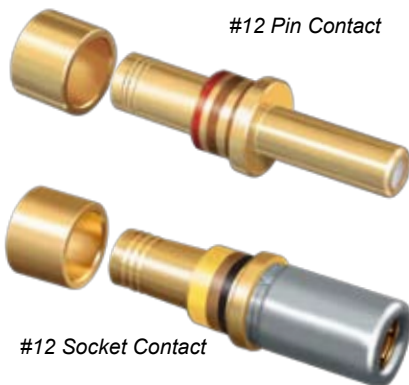


These #16 contacts accept 50 ohm and 75 ohm coaxial cable. Inner contact is rated at 1 amp, the outer contact 12 amps. DWV voltage rating is 800 Vac rms sea level, 250 Vac at 50,000 feet. Contacts are packaged individually and are unassembled with instruction sheet. One contact consists of outer contact, fluorocarbon dielectric, inner contact and shield crimp sleeve. Inner and outer contacts are gold-plated copper alloy. Approved to SAE AS39029. VSWR rating 1.5:1 maximum up to 700 MHz. 5000 megohm insulation resistance.

| Type   | Cable Size          | Part Number    | Military Part Number | Color Band |        |        | Tool Code  |
|--------|---------------------|----------------|----------------------|------------|--------|--------|------------|
|        |                     |                |                      | 1st        | 2nd    | 3rd    |            |
| Pin    | RG174, RG316, RG179 | <b>809-114</b> | M39029/76-424        | Yellow     | Red    | Yellow | A, E, L, M |
| Pin    | RG178               | <b>809-115</b> | M39029/76-425        | Yellow     | Red    | Green  | A, E, L, M |
| Socket | RG174, RG316, RG179 | <b>809-116</b> | M39029/78-432        | Yellow     | Orange | Red    | A, E, L, M |
| Socket | RG178               | <b>809-117</b> | M39029/78-433        | Yellow     | Orange | Orange | A, E, L, M |

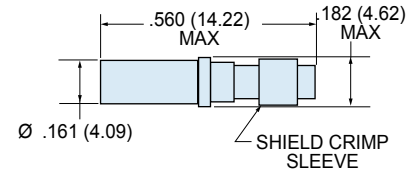
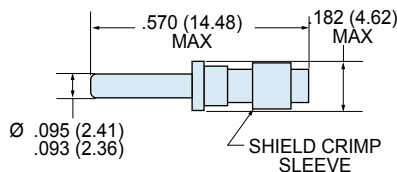


## Size #12 Coaxial Contacts, Crimp Termination



These #12 contacts accept 50 ohm and 75 ohm coaxial cable. Inner contact is rated at 1 amp, the outer contact 12 amps. DWV voltage rating is 1000 Vac rms sea level, 250 Vac at 50,000 feet. Contacts are packaged individually and shipped unassembled with instruction sheet. One contact consists of outer contact, fluorocarbon dielectric, inner contact and shield crimp sleeve. Inner and outer contacts are gold-plated copper alloy. Approved to SAE AS39029. VSWR rating 1.5:1 maximum up to 700 MHz. 5000 megohm insulation resistance.

| Type   | Cable Size          | Part Number    | Military Part Number | Color Band |       |       | Tool Code  |
|--------|---------------------|----------------|----------------------|------------|-------|-------|------------|
|        |                     |                |                      | 1st        | 2nd   | 3rd   |            |
| Pin    | RG174, RG316, RG179 | <b>809-118</b> | M39029/28-211        | Red        | Brown | Brown | A, G, N, O |
| Pin    | RG180               | <b>809-119</b> | M39029/28-409        | Yellow     | Black | White | A, G, N, O |
| Socket | RG174, RG316, RG179 | <b>809-120</b> | M39029/27-210        | Red        | Brown | Black | A, G, N, O |
| Socket | RG180               | <b>809-121</b> | M39029/27-402        | Yellow     | Black | Red   | A, G, N, O |



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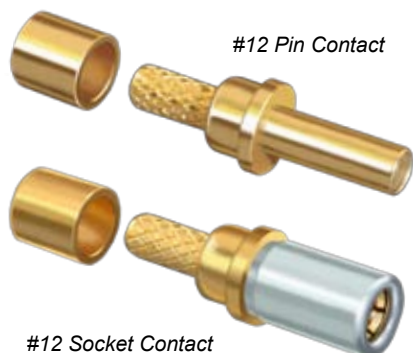
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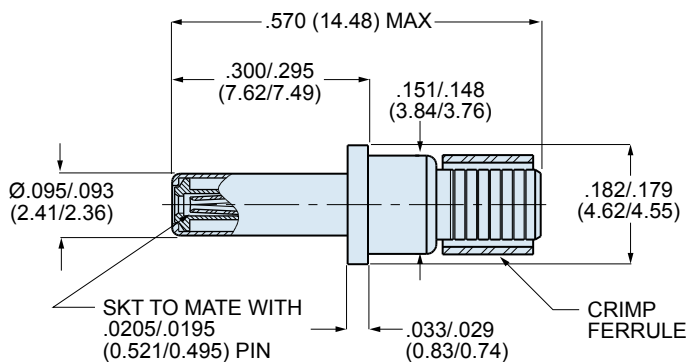
Rev. 04-July-2009

## Size #12, 50 Ohm Matched Impedance Coaxial Contacts

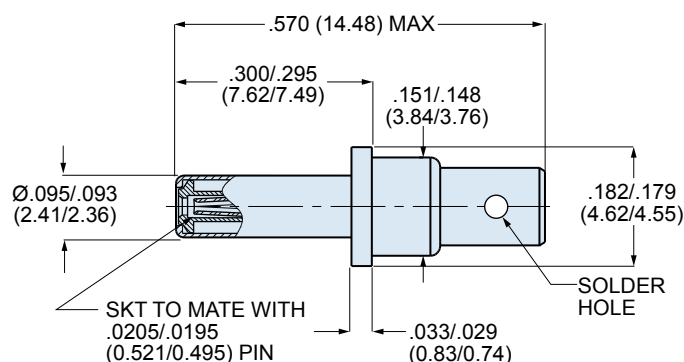


These contacts offer improved frequency response compared to standard coaxial contacts above. VSWR is 1.32:1 at 3GHz. Nominal impedance is 50 ohms. Insertion loss at 3GHz is 0.20 dB maximum. Inner contact is rated at 1 amp, the outer contact 12 amps. DWV voltage rating is 1000 Vac rms sea level, 250 Vac at 50,000 feet. Contacts are packaged individually and shipped unassembled with instruction sheet. One contact consists of outer contact, fluorocarbon dielectric, inner contact and shield crimp sleeve. Inner and outer contacts are gold-plated copper alloy. 5000 megohm insulation resistance. Terminate crimp type coaxial center contact with hand tool 809-128 (Daniels MH992). Terminate cable braid to contact with 809-129 (Daniels HX4) parallel action crimp tool and 809-120 (Daniels Y196) hex die.

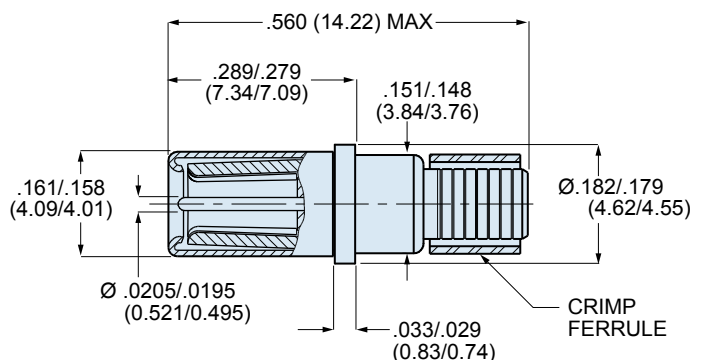
| Contact Type | Cable Type             | Part Number       | Termination | Fig.     | Tool Code  |
|--------------|------------------------|-------------------|-------------|----------|------------|
| Pin          | RG178                  | <b>809-123</b>    | Crimp       | <b>1</b> | B, F, P, Q |
| Pin          | M17/113-RG316          | <b>852-016-01</b> | Crimp       | <b>1</b> | B, H, P, Q |
| Pin          | M17/152-00001(RG316DS) | <b>852-016-02</b> | Crimp       | <b>1</b> | B, H, P, Q |
| Pin          | TFLEX-405              | <b>852-018</b>    | Solder      | <b>2</b> | (No Tool)  |
| Socket       | RG178                  | <b>809-122</b>    | Crimp       | <b>3</b> | B, F, P, Q |
| Socket       | M17/113-RG316          | <b>852-015-01</b> | Crimp       | <b>3</b> | B, H, P, Q |
| Socket       | M17/152-00001(RG316DS) | <b>852-015-02</b> | Crimp       | <b>3</b> | B, H, P, Q |
| Socket       | TFLEX-405              | <b>852-017</b>    | Solder      | <b>4</b> | (No Tool)  |



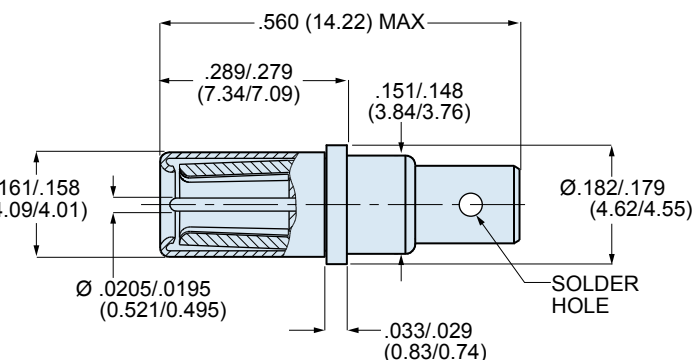
**Figure 1**



**Figure 2**



**Figure 3**



**Figure 4**

Dimensions in inches (millimeters) and are subject to change without notice.

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Rev. 04-July-2009

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

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- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
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