

## Between Series Adapters

Between Series Coaxial Transmission Line Adapters provide convenient transitions between popular series coaxial connectors. The adapter design provides a minimum length consistent with good electrical performance. The small size, low VSWR, and broad frequency coverage permits a wide range of applications in both measurement and systems use.

### Design and Construction

The standard units are constructed of stainless steel with passivated finish, nickel plated brass, and gold plated brass. The material and plating is to be consistent with the basic connector series. All dielectrics are TFE fluoro-carbon. The center contacts are made of beryllium copper, gold plated.

### Types

The straight in-line adapters are available in many combinations of plug and jack (male and female) configurations. Also, popular panel mount versions are cataloged. For special modifications and hermetic seal version, consult Tyco Electronics.

### Application

The major application is the requirement for a low VSWR, compact transition in both test system and operating systems. Many panel mount and bulkhead mount versions are available so the designer can use small size connectors for internal design, but adapt to a larger rugged version for external connection.

Selection charts follow to help you find the correct adapter for your application.

### Plug-Plug

|                | N Series | OSP      | OSP Bulkhead | BNC      | 7-16     | SMB      | SMA      | SMP      | SSMT     | Series 1.0/2.3 | QMA      |
|----------------|----------|----------|--------------|----------|----------|----------|----------|----------|----------|----------------|----------|
| MCX            |          |          |              |          |          |          | Page 253 |          |          |                |          |
| N Series       |          |          |              |          | Page 253 |          |          |          |          |                |          |
| BNC            |          |          |              |          |          | Page 253 |          |          |          |                |          |
| Series 1.6/5.6 |          |          |              | Page 253 |          |          |          |          |          | Page 253       |          |
| SMA/SMA 18 GHz | Page 253 | Page 253 | Page 253     |          |          | Page 253 |          | Page 253 | Page 253 |                | Page 253 |

### Jack-Jack

|                             | MCX      | N Series N Series Flange Mount N Series Bulkhead | OSP OSP Bulkhead OSP Floating Rear Mount | BNC Bulkhead | TNC TNC Flange Mount TNC Bulkhead | 7-16     | SMB SMB 75 OHM SMB | SMP      | SSMT     | Series 1.0/2.3 | Series 1.6/5.6 |
|-----------------------------|----------|--|--|--------------|-----------------------------------|----------|--------------------|----------|----------|----------------|----------------|
| N Series                    |          |  |  |              |                                   | Page 254 |                    |          |          |                |                |
| BNC                         |          |  |  |              |                                   |          | Page 254           |          |          |                | Page 256       |
| TNC                         |          | Page 254   |  | Page 254     |                                   |          |                    |          |          |                |                |
| SMA SMA Bulkhead SMA 18 GHz | Page 254 | Page 254 and 255                                 | Page 255 and 256                         | Page 254     | Page 254 and 255                  |          | Page 255           | Page 255 | Page 255 |                |                |
| Series 1.0/2.3              |          |  |  |              |                                   |          |                    |          |          |                | Page 256       |

**Between Series Adapters** (Continued)

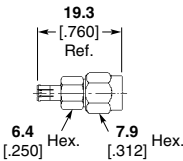
**Jack-Plug**

|                                       | 7 mm     | 7 mm best VSWR | MCX      | N Series<br>N Series Flange Mount | OSP<br>OSP Bulkhead | BNC      | TNC      | SMB      | SMA<br>SMA Flange Mount<br>SMA 18 GHz | SMP      | SSMT     | DIN-Series 1.0/2.3 | DIN-Series 1.6/5.6 | UMCC     |
|---------------------------------------|----------|----------------|----------|-----------------------------------|---------------------|----------|----------|----------|---------------------------------------|----------|----------|--------------------|--------------------|----------|
| 7 mm                                  |          |                |          | Page 256                          | Page 256            |          | Page 256 |          | Page 256                              |          |          |                    |                    |          |
| 7 mm best VSWR                        |          |                |          | Page 256                          |                     |          | Page 256 |          |                                       |          |          |                    |                    |          |
| MCX                                   |          |                |          |                                   |                     |          |          |          | Page 256                              |          |          |                    |                    |          |
| N Series<br>N Series Flange Mount     | Page 256 | Page 257       |          |                                   |                     | Page 257 | Page 257 |          | Page 257                              |          |          |                    |                    |          |
| OSP<br>OSP Bulkhead                   | Page 257 |                |          |                                   |                     |          |          |          | Page 257                              |          |          |                    |                    |          |
| BNC                                   |          |                |          | Page 257                          |                     |          |          | Page 257 | Page 257                              |          |          |                    | Page 259           |          |
| TNC<br>TNC Flange Mount               | Page 258 | Page 258       |          | Page 258                          |                     |          |          |          | Page 258                              |          |          |                    |                    |          |
| SMB<br>75 OHM SMB                     |          |                |          | Page 259                          |                     |          |          |          | Page 258                              |          |          |                    |                    |          |
| SMA<br>SMA Flange Mount<br>SMA 18 GHz | Page 259 |                | Page 258 | Page 258<br>and 259               | Page 260            | Page 258 | Page 259 | Page 259 |                                       | Page 259 | Page 259 |                    |                    | Page 259 |
| SMP                                   |          |                |          |                                   |                     |          |          |          | Page 260                              |          |          |                    |                    |          |
| SSMT                                  |          |                |          |                                   |                     |          |          |          | Page 260                              |          |          |                    |                    |          |
| DIN-Series 1.0/2.3                    |          |                |          |                                   |                     |          |          |          |                                       |          |          |                    | Page 260           |          |
| DIN-Series 1.6/5.6                    |          |                |          |                                   |                     | Page 259 |          |          |                                       |          |          | Page 260           |                    |          |
| QMA                                   |          |                |          |                                   |                     |          |          |          | Page 260                              |          |          |                    |                    |          |
| UMCC                                  |          |                |          |                                   |                     |          |          |          | Page 260                              |          |          |                    |                    |          |

**Between Series Adapters** (Continued)

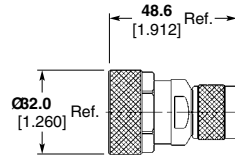
**Plug-Plug**

**MCX Plug – SMA Plug**



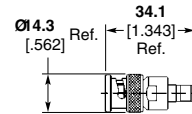
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**7-16 Plug – N Series Plug**



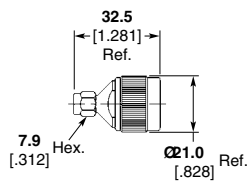
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**BNC Plug – SMB Plug**



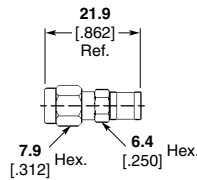
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**SMA 18 GHz Plug – N Series Plug**



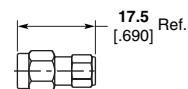
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**SMA Plug – SMB Plug**



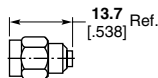
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**SMA Plug – SMP Plug**



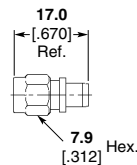
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**SMA Plug – SSMT Plug**



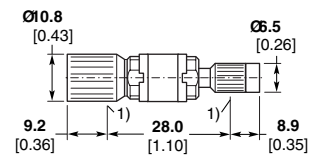
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**SMA Plug – OSP Plug**



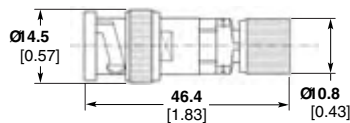
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**Series 1.6/5.6 Plug – Series 1.0/2.3 Plug**



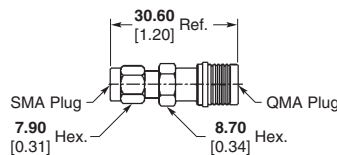
Part No. 2-1393670-1 ♦  
Coupling Type A  
1) Detent for jack

**BNC Plug – Series 1.6/5.6 Plug**



Part No. 1-1393665-4 ♦

**QMA Plug – SMA Plug**



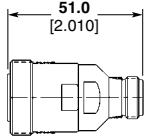
Part No. 1408393-1

**Note:** Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.

**Between Series Adapters** (Continued)

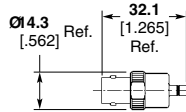
**Jack-Jack**

**7-16 Jack – N Series Jack**



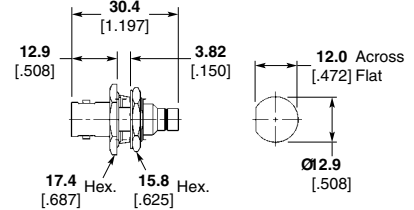
Part No. 1311206-1

**BNC Jack – SMB Jack**



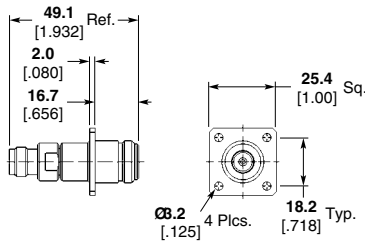
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**BNC Jack – 75 ohm SMB Jack**



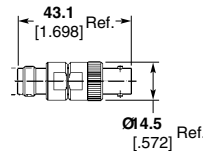
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**TNC Jack – N Series Flange Mount Jack**



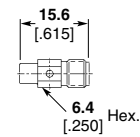
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**TNC Jack – BNC Jack**



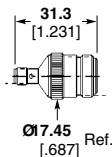
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**MCX Jack – SMA Jack**



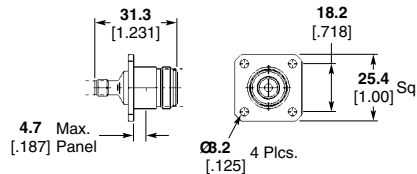
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**SMA Jack – N Series Jack**



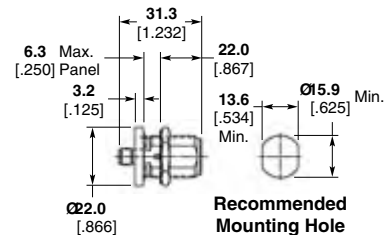
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**SMA Jack – N Series Flange Mount**



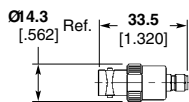
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**SMA Jack – N Series Bulkhead Jack**



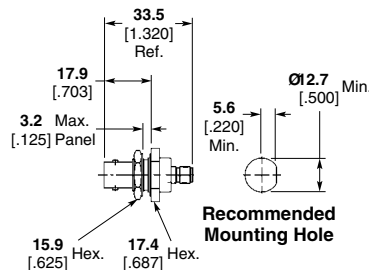
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**SMA Jack – BNC Jack**



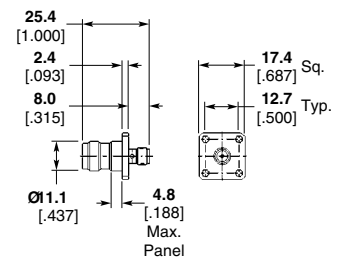
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**BNC Bulkhead Jack – SMA Jack**



Part No. 1058117-1

**TNC Flange Mount Jack – SMA Jack**



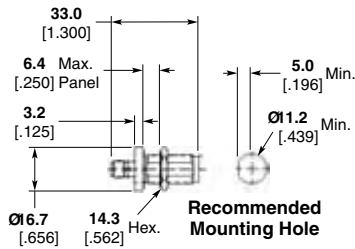
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**Note:** Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.

**Between Series Adapters** (Continued)

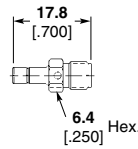
**Jack-Jack** (Continued)

**SMA Jack – TNC Bulkhead Jack**



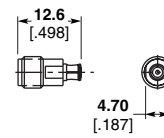
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**SMB Jack – SMA Jack**



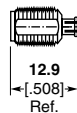
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**SMA Jack – SMP Jack**



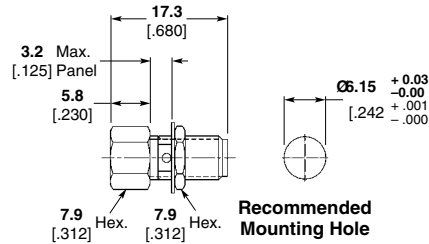
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**SMA Jack – SSMT Jack**



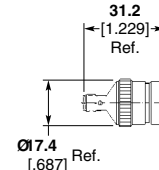
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**OSP Jack – SMA Bulkhead Jack**



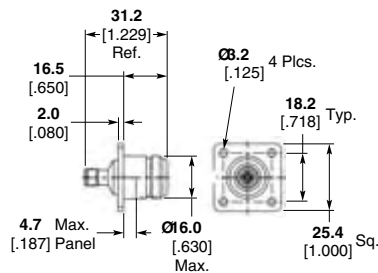
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**SMA 18 GHz Jack – N Series Jack**



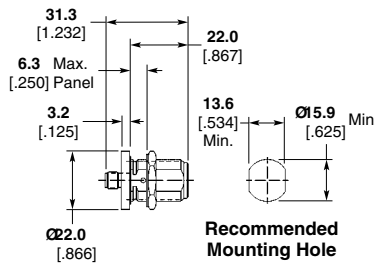
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**SMA 18 GHz Jack – N Series Flange Mount Jack**



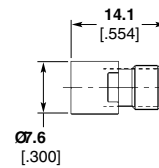
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**SMA 18 GHz Jack – N Series Bulkhead Jack**



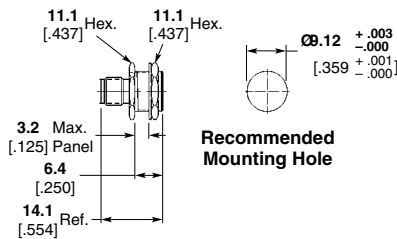
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**OSP Jack – SMA Jack**



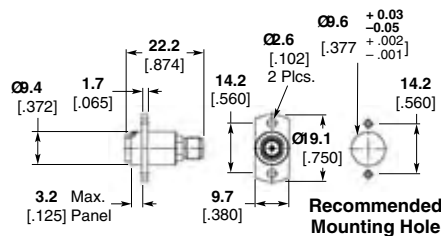
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**SMA Jack – OSP Bulkhead Jack**



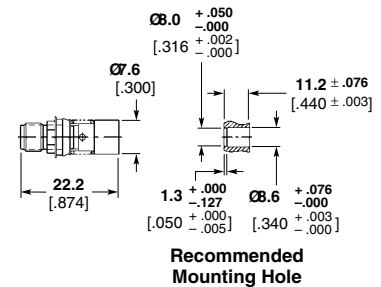
Part No. 1059729-1

**OSP Floating Flange Mount Jack – SMA Jack**



Part No. 1059731-1

**SMA Jack – OSP Floating Rear Mount Jack**



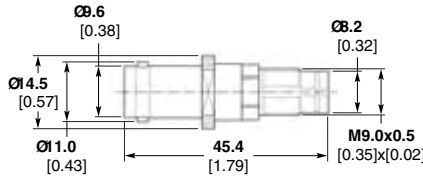
Part No. 1059724-1

**Note:** Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.

**Between Series Adapters** (Continued)

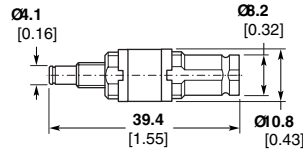
**Jack-Jack** (Continued)

**BNC Jack –  
Series 1.6/5.6 Jack**



Part No. 1-1393665-◆

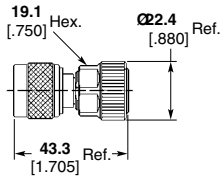
**Series 1.0/2.3 Jack –  
Series 1.6/5.6 Jack**



Part No. 2-1393670-◆  
Coupling Type A, B, F

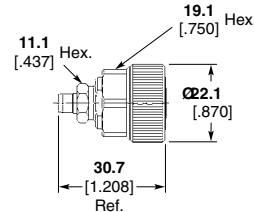
**Jack-Plug**

**N Series Plug to 7 mm Jack**



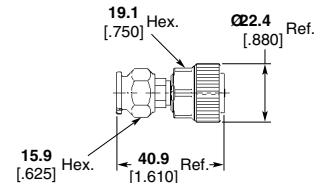
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**OSP Plug to 7 mm Jack**



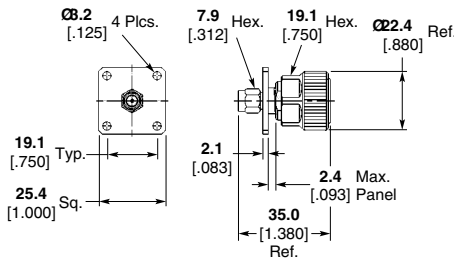
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**TNC Plug to 7 mm Jack**



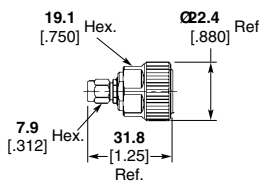
Part No. 1061739-1

**SMA Flange Mount Plug to 7 mm Jack**



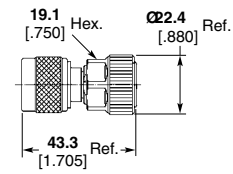
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**SMA Plug to 7 mm Jack**



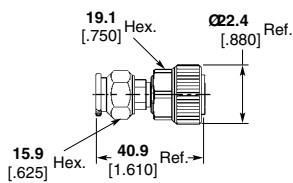
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**N Series Plug to 7 mm Best VSWR Jack**



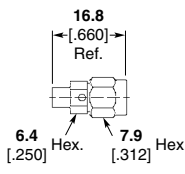
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**TNC Plug to 7 mm Best VSWR Jack**



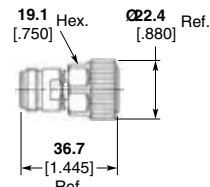
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**MCX Jack – SMA Plug**



Part No. 1061073-1

**N Series Jack – 7 mm Plug**



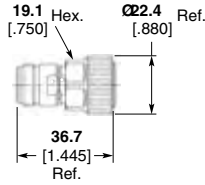
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**Note:** Part Numbers are RoHS compliant except: ◆ Indicates non-RoHS compliant.

**Between Series Adapters** (Continued)

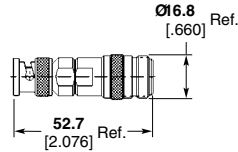
**Jack-Plug** (Continued)

**N Series Jack – 7 mm Best VSWR Plug**



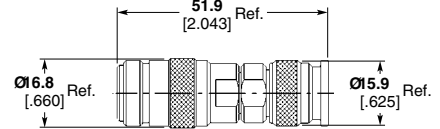
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**BNC Plug – N Series Jack**



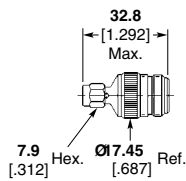
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**N Series Jack – TNC Plug**



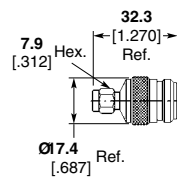
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**SMA Plug – N Series Jack**



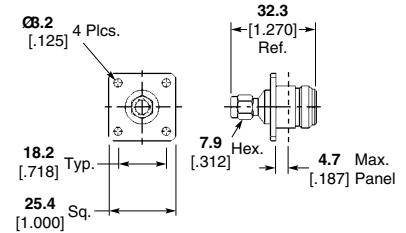
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**SMA 18 GHz Plug – N Series Jack**



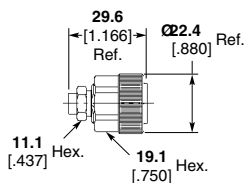
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**SMA Plug – N Series Flange Mount Jack**



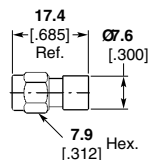
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**OSP Jack – 7 mm Plug**



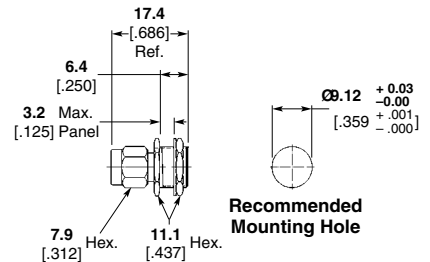
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**SMA Plug – OSP Jack**



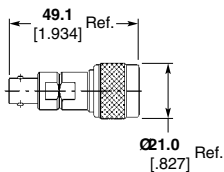
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**SMA Plug – OSP Bulkhead Jack**



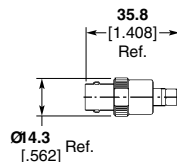
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**BNC Jack – N Series Plug**



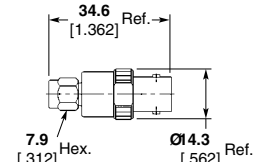
Part No. 1057390-1

**BNC Jack – SMB Plug**



Part No. 1058077-1

**SMA Plug – BNC Jack**



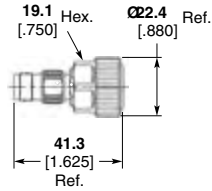
Part No. 1058083-1

**Note:** Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.

**Between Series Adapters** (Continued)

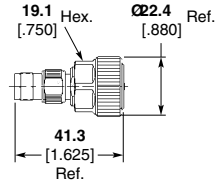
**Jack-Plug** (Continued)

**TNC Jack – 7 mm Plug**



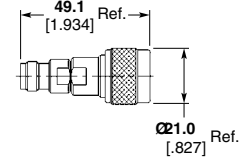
Part No. 1061753-1

**TNC Jack – 7 mm Best VSWR Plug**



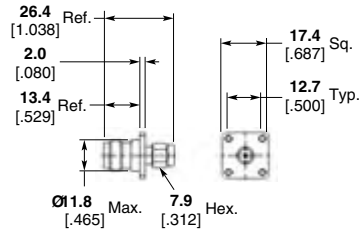
Part No. 1061758-1

**TNC Jack – N Series Plug**



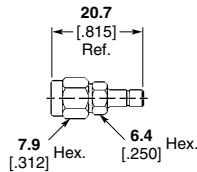
Part No. 1057387-1

**TNC Flange Mount Jack – SMA Plug**



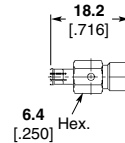
Part No. 1057857-1

**SMA Plug – SMB Jack**



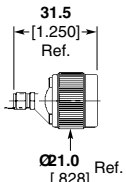
Part No. 1060500-1

**SMA Jack – MCX Plug**



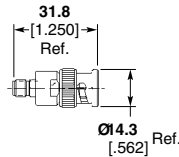
Part No. 1061072-1

**SMA 18 GHz Jack – N Series Plug**



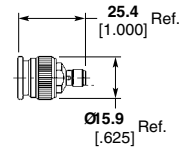
Part No. 1057377-1

**SMA Jack – BNC Plug**



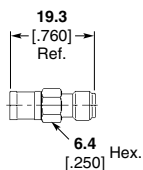
Part No. 1058081-1

**TNC Plug – SMA Jack**



Part No. 1057853-1

**SMA Jack – SMB Plug**



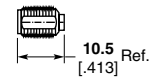
Part No. 1060498-1

**SMA Jack – SMP Plug**



Part No. 1056707-1

**SMA Jack – SSMT Plug**



Part No. 1055696-1

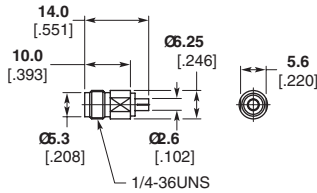
**Note:** Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.



**Between Series Adapters** (Continued)

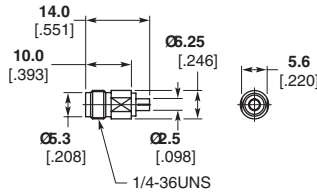
**Jack-Plug** (Continued)

**SMA Jack – UMCC Plug**



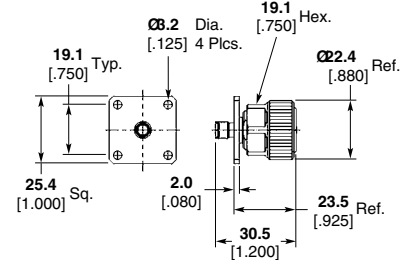
Part No. 1775229-1

**SMA Jack – UMCC Plug**



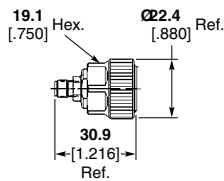
Part No. 1775230-1

**SMA Flange Mount Jack – 7 mm Plug**



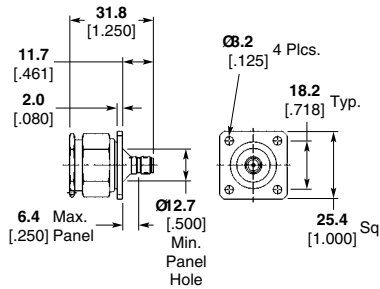
Part No. 1061750-1

**SMA 18 GHz Jack – 7 mm Plug**



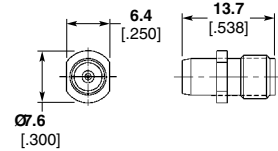
Part No. 1053788-1

**N Series Flange Mount Plug – SMA 18 GHz Jack**



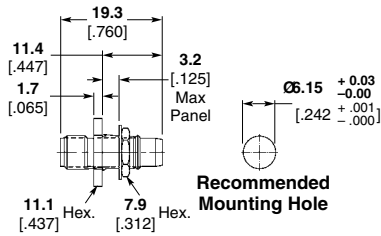
Part No. 1058666-1

**OSP Plug – SMA Jack**



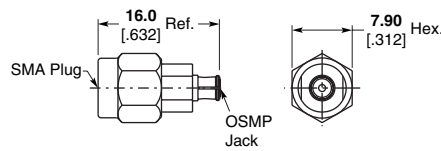
Part No. 1059716-1

**SMA 18 GHz Jack – OSP Bulkhead Plug**



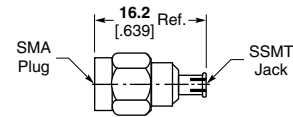
Part No. 1059756-1

**SMP Jack – SMA Plug**



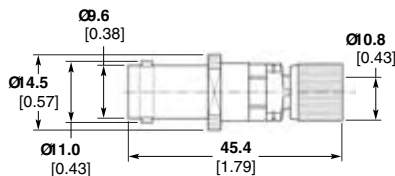
Part No. 1056708-1

**SSMT Jack – SMA Plug**



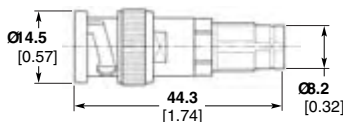
Part No. 1055697-1

**BNC Jack – Series 1.6/5.6 Plug**



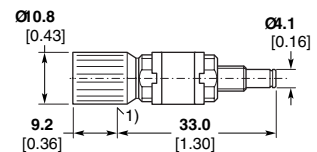
Part No. 1-1393665-7 ♦

**BNC Plug – Series 1.6/5.6 Jack**



Part No. 1-1393665-6 ♦

**Series 1.6/5.6 Plug – Series 1.0/2.3 Jack**



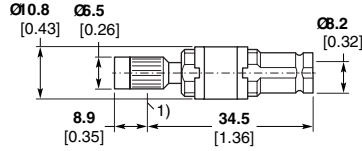
Part No. 2-1393670-2 ♦  
Coupling Type A, B<sup>2</sup>, F<sup>2</sup>

**Note:** Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.

**Between Series Adapters** (Continued)

**Jack-Plug** (Continued)

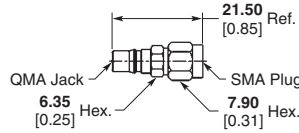
**Series Plug 1.0/2.3 – Series 1.6/5.6 Jack**



**Part No. 2-1393670-3** ♦  
Coupling Type A, B<sup>2</sup>, F<sup>2</sup>

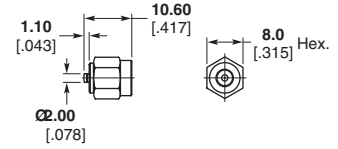
- 1) Detent for jack
- 2 Only jackside

**QMA Jack – SMA Plug**



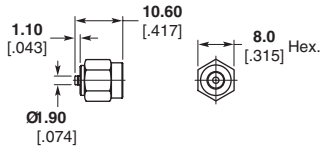
**Part No. 1408343-1**

**UMCC Jack – SMA Plug**



**Part No. 1775228-1**

**UMCC Jack – SMA Plug**



**Part No. 1775227-1**

**Note:** Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.

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- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

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Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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