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TECHNOLOGY GROUP

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Find the *Tyco Electronics 5-1814832-1* at our website: ***Click HERE***

## F AND G SERIES CONNECTORS



**Miniature connector series ideally suited for CATV applications.**

### General Applications

- Broadband, CATV
- Line amplifiers, multiport taps
- Cable modems

### Product Offering

- Cable Applied: Crimp (plugs or bulkhead jacks)
- PCB: Vertical or right angle, through hole and surface mount
- Edge-mount bulkhead solder jack
- Adapters
- Splash resistant and sealed versions available
- F Series: threaded coupling
- G Series: Quick-lock coupling

### Performance Specifications

- Operating Frequency: DC to 1 GHz (specific designs support up to 2GHz)
- Nominal Impedance: 75 ohms
- VSWR: 1.10–1.30
- Durability: 600 cycles
- Temperature Rating: -55°C to +85°C
- Designs compliant with SCTE & UL/CSA standards

| F Series | |
|---|---|
| Straight Plug, Crimp | 5-1814821-1 |
| Straight Plug, Crimp, RG-179 Cable | 5415226-1 |
| Bulkhead Jack, Crimp | 5-1814826-1 |
| Right-Angle PCB Mount Jack | 5-1634540-1 |

| G Series | |
|---|---|
| Vertical PCB-Mount Jack | 5415332-1 |
| Vertical PCB-Mount Plug | 6274045-1 |

*Please visit **www.te.com** for more part numbers.*

## SMA CONNECTORS



**Subminiature connector with threaded coupling designed for performance through 18 GHz.**

### General Applications

- Wireless base stations (CDMA, TDMA, PCS)
- Satellite communications/mini cell
- Test and measurement/aerospace

### Product Offering

- PCB: Through hole, compliant pin, surface mount, edge mount
- Cable applied: hex crimp, solder and clamp for flex cable, solder, clamp and compression crimp for semi-rigid cable
- Solder receptacles
- Adapters (in series and between series)

### Performance Specifications

- Operating Frequency: Up to 26.5 GHz (Most are 12.4 to 18 GHz)
- Nominal Impedance: 50 ohms
- VSWR (Max.): 1.20 @ 11 GHz Dependent on termination method
- Durability: 500 cycles
- Temperature Rating: -65°C to +165°C
- Meets all performance requirements for MIL-PRF-39012

| Board-Mount Connectors | |
|---|---|
| Vertical Jack, | 5-1814832-1 |
| Right-Angle Jack | 5-1814400-1 |
| Right-Angle Jack, Edge Mount | 2081005-1 |
| Vertical Jack, PIP, High Performance | 2081170-1 |

| Cable-Applied Crimp Connectors | |
|---|---|
| Right-Angle Plug, RG-316 Cable | 4-1478924-1 |
| Straight Plug, RG-316 Cable | 1-1478916-0 |

*Please visit **www.te.com** for more part numbers.*

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