

RF Coaxial Connectors

Quick Reference Guide

F and G Series Connectors



Miniature connector series ideally suited for CATV applications.

GENERAL APPLICATIONS

- Broadband, CATV
- Line amplifiers, multipoint 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	5-1814832-2
Right-Angle Jack	5-1814400-2
Right-Angle Jack, Edge Mount	2081005-1
Vertical Jack, PIP, High Performance	2081170-1

Cable-Applied Crimp Connectors	
Right-Angle Plug, RG-316 Cable	3-1478978-1
Straight Plug, RG-316 Cable	1-1337482-0

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