



RF COAXIAL CONNECTORS

Quick Reference Guide

RF Coaxial Connectors

Quick Reference Guide

Coaxial RF Products: Quick View

| Product | Operating Frequency (Max.) | Impedance | VSWR | Durability (Mating Cycles) | Operating Temperature | Coupling Style |
|--|----------------------------|--------------|--|----------------------------|--|---------------------------------|
| Standard | | | | | | |
| 4.3-10 | 6 GHz | 50 Ω | 1.03 up to 4 GHz, 1.06 @ 4 GHz to 6 GHz | 100 | -40°C to 85°C | Screw |
| 7/16 | 7 GHz | 50 Ω | 1.02 + 0.03f up to 7 GHz | 500 | -55°C to 155°C | Thread |
| N | 11 GHz | 50 Ω | 1.3 @ 11 GHz | 500 | -55°C to 85°C Commercial; -65°C to 165°C Military | Thread |
| Miniature | | | | | | |
| BNC | 4 GHz | 50 Ω, 75 Ω | 1.3 @ 4 GHz | 500 | -55°C to 85°C | Bayonet |
| Mini BNC | 2 GHz | 75 Ω | 1.16 @ 1 GHz | 500 | -40°C to 85°C | Bayonet |
| TNC | 11 GHz | 50 Ω, 75 Ω | 1.30 @ 11 GHz | 500 | 55°C to 85°C Commercial; -65°C to 165°C Military | Thread |
| F and G Series | 1 GHz | 75 Ω | 1.10-1.30 | 600 | -55°C to 85°C | Thread |
| Subminiature | | | | | | |
| SMA | 26 GHz | 50 Ω | 1.2 @ 11 GHz Dependent on Cable Type | 500 | -65°C to 165°C | Thread |
| QMA | 6 GHz | 50 Ω | 1.15 @ 6 GHz | 100 | -40°C to 125°C | Snap-On |
| SMB | 4 GHz | 50 Ω, 75 Ω | 1.25 + 0.04f up to 4 GHz | 500 | -65°C to 165°C | Snap-Fit |
| OSP | 22 GHz | 50 Ω | 1.25 @ 22 GHz | 5000 | -65°C to 125°C | Blindmate Push-On |
| OSSP | 28 GHz | 50 Ω | 1.33 @ 28 GHz | 1000 | -65°C to 125°C | Blindmate Push-On |
| DIN 1.0/2.3 | 10 GHz 2 GHz | 50 Ω 75 Ω | 1.35 @ 10 GHz 1.20 @ 2 GHz | 500 | -40°C to 85°C | Screw, Slide-In, and Quick Lock |
| DIN 1.6/5.6 | 8 GHz | 75 Ω | 1.20 @ 8 GHz | 500 | -40°C to 85°C | Screw, Slide-In, and Quick Lock |
| Siemax, DIN 1.0/2.3 Interface | 5 GHz | 75 Ω | 1.2 @ 1GHz 1.4 @ 5GHz | 500 | -40°C to 85°C | Push-On |
| MCX | 6 GHz 50 Ω | 1.25 @ 4 GHz | 1.35 @ 6 GHz | 500 | -65°C to 165°C | Snap-On |
| Microminiature | | | | | | |
| MMCX | 6 GHz | 50 Ω | 1.25 @ 6 GHz | 500 | -55°C to 155°C | Snap-On |
| SMP | 40 GHz | 50 Ω | 1.1 @ 23 GHz 1.15 @ 23-26 GHz 1.40 @ 26-40 GHz | 100 | -65°C to 165°C | Push-On |
| SSMT/OSMT | 6 GHz | 50 Ω | 1.40 @ 6 GHz | 100 | -40°C to 125°C | Snap-On |
| QSL | 6 GHz | 50 Ω | 1.3 @ 3 GHz 1.5 @ 6 GHz | 250 | -40°C to 125°C | Push-Pull |
| Compression Coax | 6 GHz | 50 Ω | 1.25 @ 6 GHz | 25 | -40°C to 125°C | Surface Mount |
| UMCC | 6 GHz | 50 Ω | 1.3 @ 3 GHz 1.4 @ 3-6 GHz | 30 | -40°C to 90°C | Snap-On |
| Switching Coax | 2.4 GHz | 50 Ω | 1.20 @ 2 GHz | 30,000 | -40°C to 85°C | Snap-On |
| Contacts for Multiposition Connectors | | | | | | |
| Type C Inserts | 2 GHz | 50 Ω, 75 Ω | 1.20 @ 2 GHz | 500 | -55°C to 125°C | Pin/Socket |

RF Coaxial Connectors

Quick Reference Guide

4.3-10 Connectors



Standard connectors and cable assemblies are smaller, lighter weight and provide better PIM performance for use in many rugged outdoor applications.

GENERAL APPLICATIONS

- Distributed Antenna Solutions (DAS)
- Mobile Network Equipment
- Small Cell Equipment
- Base Transceiver Station (BTS)
- Antenna and Remote Radio Unit (RRU)

PRODUCT OFFERING

- Straight and right angle connectors
- Straight and right angle cable assemblies

PERFORMANCE SPECIFICATIONS

- Frequency: DC to 6 GHz
- Impedance: 50 ohm
- Intermodulation level (PIM): 60 dB @ 2 x 40W (46dBm)
- Durability: 100 mating cycles
- Reliable electrical performance meeting IEC 61169-51
- Moisture protection meeting IP68

Cable-Applied Connectors

| | |
|------------------|-----------|
| Straight Plug | 2081967-1 |
| Right-Angle Plug | 2081969-1 |

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

Cable Assemblies

| | |
|-------------------------|-----------|
| Straight to Straight | 2081975-1 |
| Straight to Right-Angle | 2081976-1 |

N Series Connectors



Medium sized connector for high voltage applications. Highly suited for critical applications and environments.

GENERAL APPLICATIONS

- High-performance connector for cellular and PCS base stations, telephony and broadcast applications
- Cable-to-cable, and cable-to-panel, semi-rigid and flexible cable options

PRODUCT OFFERING

- RG plug and jack
- Semi-rigid cable and RG/RD cable
- Panel and bulkhead jack
- PCB mount

PERFORMANCE SPECIFICATIONS

- Frequency: DC to 11 GHz
- Impedance: 50 ohm
- Durability: 500 cycles
- VSWR (Max.):
 - 1.3:1 for straight plug or jack
 - 1.35 up to 9 GHz 1.5 @ 9 to 11 GHz for right-angle plug
- Temperature Rating:
 - 65°C to +165°C for military type
 - 55°C to +85°C for commercial
- Designated connectors meet the requirements of MIL-PRF-39012, IEC 169-16 and CECC 22 210

Cable-Applied Crimp Connectors

| | |
|----------------------|-------------|
| Bulkhead Jack | 1-1337625-0 |
| Panel Jack | 1-1478212-0 |
| Straight Plug | 1-1337416-0 |
| Right-Angle Plug | 225014-3 |
| Panel Plug, Military | 1057275-1 |

Cable-Applied Solder Connectors

| | |
|----------------------|-------------|
| Straight Solder Jack | 1-1337406-0 |
|----------------------|-------------|

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

BNC Connectors



Miniature connector series ideally suited for CATV applications

GENERAL APPLICATIONS

- Broadband, networking, signal management
- Video distribution, including HDTV
- Industry standard interface, commercial and military aerospace

PRODUCT OFFERING

- Cable Applied: Hex and O crimp, solder/clamp for flex cable
- PCB: vertical or right angle; through hole, compliant pin, press fit or surface mount
- PBT body or all-metal body
- Solder receptacles
- Adapters

PERFORMANCE SPECIFICATIONS

- Operating Frequency:
 - DC to 4 GHz (50 ohms)
 - DC to 2 GHz (75 ohms)
- Nominal Impedance: 50 and 75 ohms
- VSWR (max.):
 - 1.30 @ 4 GHz (50 ohms)
- Durability: 500 cycles
- Temperature Rating:
 - 65°C to 165°C military
 - 55°C to 85°C commercial

Board-Mount SMT Connectors

| | |
|---------------------------|-------------|
| Right-Angle Jack | 5413879-1 |
| Vertical Jack | 5-1634503-1 |
| Right-Angle Jack, 75 ohms | 5413558-1 |

Cable-Applied Crimp Connectors

| | |
|-----------------------------|-----------|
| Twin Bulkhead Jack, 75 ohms | 5332342 |
| Twin Bulkhead Plug, 75 ohms | 5332225-5 |
| Straight Plug | 5225395-7 |

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

Mini BNC Connectors



Smaller version of the popular BNC series, allowing 40% more connections in the same area as standard BNC connector.

GENERAL APPLICATIONS

- Telecommunications and broadband applications
- Instrumentation, computers/LANs
- Base stations
- Telco DS3 networks

PRODUCT OFFERING

- Straight and right angle plugs and jacks
- Flexible cable
- PCB jack and bulkhead jack
- Stacked PCB receptacles

PERFORMANCE SPECIFICATIONS

- Operating Frequency: DC to 2 GHz
- Nominal Impedance: 75 ohms
- VSWR (Max.): 1.16 to 1 GHz
- Durability: 500 cycles
- Temperature Rating: -40°C to +85°C

| Board-Mount Connectors | |
|--------------------------------|-----------|
| Vertical Jack | 1274571-1 |
| Right-Angle Bulkhead Jack | 1274584-1 |
| Right-Angle Jack | 1274572-1 |
| Cable-Applied Crimp Connectors | |
| Straight Plug | 1274563-1 |
| Right-Angle Plug | 1274566-1 |
| Bulkhead Jack | 1274568-1 |

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

TNC Connectors



Miniature connector with threaded coupling. Highly suited for critical applications and environments.

GENERAL APPLICATIONS

- High-vibration/low-noise, antenna, and test & measurement

PRODUCT OFFERING

- Cable Applied: Hex and O crimp, solder/clamp for flexible cable, crimp of solder for semi-rigid cable
- PCB: Vertical or right angle, with PBT or all-metal body
- Solder receptacles
- Adapters

PERFORMANCE SPECIFICATIONS

- Operating Frequency: DC to 11 GHz (50 ohms)
DC to 2 GHz (75 ohms)
- Nominal Impedance: 50 and 75 ohms
- VSWR: 1.30 @ 11 GHz (50 ohms)
- Durability: 500 cycles
- Temperature Rating: -65°C to +165°C military
-55°C to +85°C commercial

| Board-Mount Connectors | |
|------------------------------|------------|
| Right-Angle Jack | 5227818-1 |
| Cable-Applied Connectors | |
| Straight Plug, Crimp | 5222506-5 |
| Right-Angle Plug, Crimp | 1-225554-1 |
| Straight Jack, Crimp | 5414171-3 |
| Straight Jack, Solder | 1057676-1 |
| Straight Jack, Panel, Solder | 1057775-1 |

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

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.

RF Coaxial Connectors

Quick Reference Guide

QMA Connectors



Subminiature connector with quick lock coupling designed for performance through 18 GHz.

GENERAL APPLICATIONS

- Wireless base stations
- Distributed antenna systems (DAS)
- Satellite communications/mini cell

PRODUCT OFFERING

- Intermatable with QLF (competitive) QMA products
- Cable and PCB versions available
- Brass body, nickel plated
- Center contact: beryllium copper, gold plated
- Force to engage: 27 N (6 lb.)
- Force to disengage: 20 N (4.5 lb.)

PERFORMANCE SPECIFICATIONS

- Frequency: DC to 6 GHz
- Impedance: 50 ohms
- VSWR (Max.): 1.15 @ 6 GHz
1.22 for right angle
- Durability: 100 cycles
- Temperature Rating: -40°C to +125°C

| Board-Mount Connectors | |
|------------------------|-----------|
| Right-Angle Jack, SMT | 1408463-1 |
| Right-Angle Jack | 1408337-1 |
| Vertical Jack | 2081026-1 |

| Cable-Applied Crimp Connectors | |
|--------------------------------|-----------|
| Right-Angle Plug, RG-402 Cable | 1408347-1 |
| Straight Jack, RG-58 Cable | 1408338-7 |

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

SMB/TYPE 43 Connectors



Subminiature series connectors with snap-on coupling. Smaller alternative to SMA.

GENERAL APPLICATIONS

- GPS
- Telephony
- CATV

PRODUCT OFFERING

- Cable and PCB
- Brass and zinc die cast shells
- Mini 75-ohm SMB same size as 50-ohm SMB

PERFORMANCE SPECIFICATIONS

- Frequency: DC to 4 GHz
- Impedance: 50 and 75 ohms
- VSWR: 1.20 up to 4 GHz
- Durability: 500 cycles
- Temperature Rating: -65°C to +165°C

Board-Mount Surface-Mount-Compatible Connectors

| | |
|------------------|-------------|
| Right-Angle Plug | 5414338-1 |
| Vertical Jack | 1-1337482-0 |
| Right-Angle Jack | 1-1337481-0 |

Cable-Applied Crimp Connectors

| | |
|------------------------|-------------|
| Straight Plug | 1-1337597-0 |
| Right-Angle Elbow Plug | 1-1337478-0 |
| Straight Jack | 1-1337477-0 |

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

RF Coaxial Connectors

Quick Reference Guide

OSP/OSSP Connectors



Modular blindmate series with interface designed for multiple interconnects.

GENERAL APPLICATIONS

- Module to module
- Module to motherboard
- Rack and panel

PRODUCT OFFERING

- Plug and receptacles (rigid and float mount)
- Panel, flange and cable mount
- Semi-rigid and flexible cable
- PCB mount
- Adapters
- Hermetic

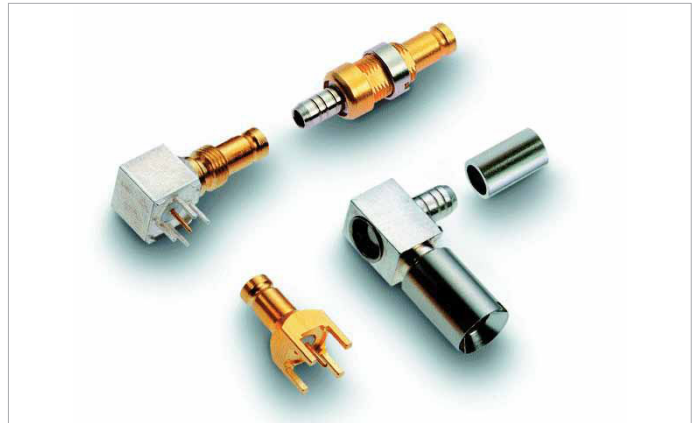
PERFORMANCE SPECIFICATIONS

- Operating Frequency: 22 GHz OSP
28 GHz OSSP
- Nominal Impedance: 50 ohms
- VSWR (Max.): 1.25 OSP
1.33 OSSP
- Durability: 5000 cycles (OSP)
1000 cycles (OSSP)
- Temperature Rating: -65°C to +125°C

| Board-Mount Connectors | |
|--------------------------------|-----------|
| Vertical Jack, OSP | 1059681-1 |
| Vertical Plug, OSP | 1059684-1 |
| Cable-Applied Crimp Connectors | |
| Straight Plug, OSP | 1059402-1 |
| Straight Jack, OSP | 1059540-1 |
| Straight Plug, OSSP | 1059857-1 |
| Straight Jack, OSSP | 1059868-1 |

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

DIN COAX 1.0/2.3 Connectors



Connector series for high density board-to-board and I/O connections.

GENERAL APPLICATIONS

- High density board-to-board and I/O connections on transmission, access, mobile and data communication equipment

PRODUCT OFFERING

- Different styles with screw, slide-in and latching (quick lock) coupling
- Cable, THT and press-in termination
- Full crimp cable termination
- SMT multicontact (see Siemax)
- Adapters to Series 1.6/5.6

PERFORMANCE SPECIFICATIONS

- Nominal Impedance: 50 or 75 ohms
- Operating Frequency: Up to 10 GHz (50-ohm connectors)
Up to 2 GHz (75-ohm connectors)
- VSWR (Max.): 1.35 up to 10 GHz (50-ohm connectors)
1.20 up to 2 GHz (75-ohm connectors)
- Durability: 500 cycles
- Temperature Rating: -40°C to +85°C
- Interface: Snap-On (IEC 169-29 and CECC 222000)

| Board-Mount HD Connectors | |
|--|-------------|
| Straight Bulkhead Jack, Slide-In | 3-1393670-4 |
| Straight Bulkhead Jack, Snap-On, 75 Ohms | 8-1393670-3 |
| Right-Angle Bulkhead Jack | 1274544-1 |
| Cable-Applied Crimp Connectors | |
| Right-Angle Plug, Snap-On | 1460817-1 |

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

DIN COAX 1.6/5.6 Connectors



High-performance version of DIN 1.0/2.3 connector series. Highly suitable for transmission of high bit rates.

GENERAL APPLICATIONS

- Used primarily as I/O connector in transmission and access equipment outside USA; used in USA for export businesses

PRODUCT OFFERING

- Screw, snap-on, slide-in and latching (quick lock) coupling
- Full crimp and IDC cable termination
- Board lock and standard THT termination
- Press In termination
- Adapters to Series 1.0/2.3 and BNC (both 75 ohm)

PERFORMANCE SPECIFICATIONS

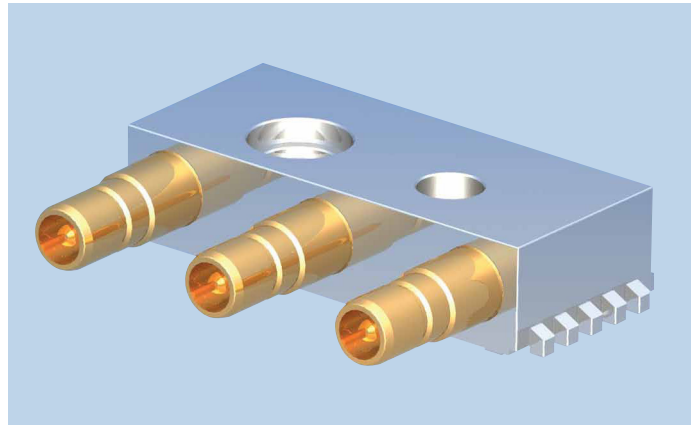
- Operating Frequency: Up to 8 GHz
- Nominal Impedance: 75 ohms
- VSWR (max.): 1.20
- Durability: 500 cycles
- Temperature Rating: -40°C to +85°C
- Interface: CECC 22240

| Board-Mount Connectors | |
|------------------------|-------------|
| Right-Angle Jack | 2-1393681-2 |

| Cable-Applied Crimp Connectors | |
|--------------------------------|-------------|
| Straight Jack | 1-1393672-4 |
| Right-Angle Jack | 3-1393680-0 |
| Straight Plug | 1393672-3 |
| Right-Angle Plug | 1-1393680-6 |

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

SIEMAX Connectors



Surface mount multi coax connector designed for high-density board-to-board and board-to-cable applications.

GENERAL APPLICATIONS

- PCB connector in SMT, for I/O and board-to-board application in communications and automotive
- Interfaces DIN 1.0/2.3

PRODUCT OFFERING

- Jacks, Series 1.0/2.3, 75 ohms

PERFORMANCE SPECIFICATION (SERIES 1.0/2.3):

- Operating Frequency: Up to 2 GHz
- Nominal Impedance: 75 ohms
- VSWR (Max.): 1.20 @ 2 GHz
- Durability: 250 cycles
- Temperature Rating: -40°C to +85°C

| Board-Mount Connectors | |
|--------------------------|----------|
| Right-Angle Jack, 2 Port | 619400-1 |
| Right-Angle Plug, 3 Port | 619401-1 |

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

RF Coaxial Connectors

Quick Reference Guide

MCX Connectors



**Snap on subminiature connector series.
Smaller alternative to SMB.**

GENERAL APPLICATIONS

- GPS, automotive and wireless communication
- Handheld devices: pagers, PCs, cellular phones, tablets

PRODUCT OFFERING

- Snap on connector 30% smaller than SMB
- Cable-to-cable and cable-to-PCB versions, straight and right angle
- Brass and zinc die-cast shells available
- Gold- and nickel-plated shell and outer contact options available

PERFORMANCE SPECIFICATION

- Operating Frequency: DC to 6 GHz
- Nominal Impedance: 50 ohms
- VSWR (Max.): 1.25 @ 3 GHz
1.35 @ 6 GHz
- Durability: 500 cycles
- Temperature Rating: -65°C to +165°C
- Interface Snap-On (MIL-PRF-39012 and CECC 22220)

| Board-Mount SMT Connectors | |
|----------------------------|-------------|
| Vertical Plug | 1075221-1 |
| Right-Angle Jack | 6-1337586-2 |
| Vertical Jack | 1060985-1 |

| Cable-Applied Crimp Connectors | |
|--------------------------------|-------------|
| Straight Plug | 1-1337580-0 |
| Right-Angle Plug | 1-1337584-0 |
| Straight Bulkhead Jack | 1-1337588-1 |

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

MMCX Connectors



**35% smaller than MCX, this connector series
is used in board-to-board and cable-to-board
applications where space is a driving issue.**

GENERAL APPLICATIONS

- Instrumentation
- Handheld devices: pagers, PCs, cellular phones, tablets

PRODUCT OFFERING

- Cable-to-cable and cable-to-PCB versions, straight and right angle
- Crimp, solder, and surface mount
- Tape and reel for high-volume assembly

PERFORMANCE SPECIFICATION

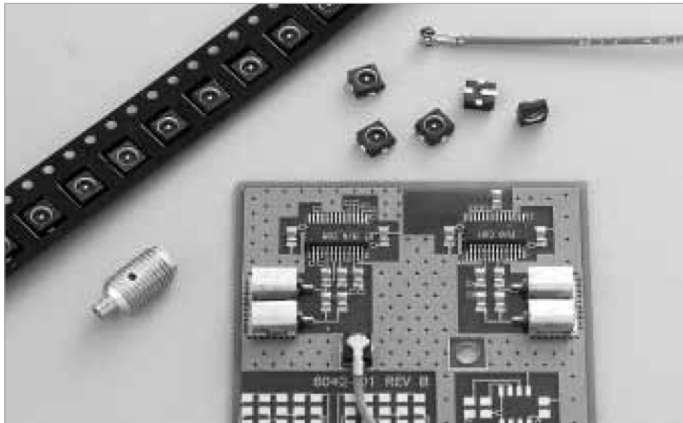
- Operating Frequency: DC to 6 GHz
- Nominal Impedance: 50 ohms
- VSWR (Max.): 1.25:1 @ 6 GHz
- Durability: 500 cycles
- Temperature Rating: -55°C to +155°C
- Interface: Snap-On (CECC 22340)

| Board-Mount SMT Connectors | |
|----------------------------|-------------|
| Vertical Plug | 1-1634007-0 |
| Right-Angle Jack | 619285-1 |
| Vertical Jack | 1-1634004-0 |

| Cable-Applied Crimp Connectors | |
|--------------------------------|-------------|
| Straight Plug | 1-1634001-0 |
| Right-Angle Plug | 1-1634003-0 |
| Straight Jack | 1-1634004-0 |

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

SMT-OSMT Connectors



Microminiature surface mount cable assembly system designed to provide the performance of much larger industry-standard connectors.

GENERAL APPLICATIONS

- Wireless communication applications, Base Stations, antenna and hand held devices
- Designed for use with many standard interfaces (i.e., SMA, SMB, MCX, MMCX, BNC)

PRODUCT OFFERING

- Mated height off PC: SSMT: 2.8 mm
OSMT: 3.1 mm
- Assortment of cable configurations available including intra-RF series assemblies
- Available with both high-temp and standard PVC cable

PERFORMANCE SPECIFICATIONS

- Operating Frequency: DC to 6 GHz
- Nominal Impedance: 50 ohms
- VSWR (Max.): 1.40:1 @ 6 GHz
- Durability: 100 cycles
- Temperature Rating: -40°C to +125°C

| Board-Mount Connectors | |
|--|-----------|
| OSMT Plug, Reel and Tape Mounted, Brass Body | 1055689-1 |
| OSMT Plug, Brass Body | 1055687-1 |
| OSMT Plug, Polyphenylene Body | 1055690-1 |

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

QSL Connectors



Low-profile multiport RF connector interface connector with push/pull mating.

GENERAL APPLICATIONS

- Wireless communication systems
- Mobile antennas, GPS
- Automotive telematics
- Computers

PRODUCT OFFERING

- Surface mount compatible, panel mount
- 1 x 3 ports configuration
- Cable plugs can be keyed for security applications
- 3-port configuration uses less space than typical SMA, QMA, or other PCB product types on a board layout

PERFORMANCE SPECIFICATIONS

- Frequency: DC to 6 GHz
- Impedance: 50 ohms
- VSWR (Max.): 1.3 max @ 3 GHz
1.5 max to 6 GHz
- Durability: 250 cycles
- Temperature Rating: -40°C to +125°C
- Engagement Force: 30 N (6.7 lb.) max.

| Board-Mount Through-Hole Connectors, Right Angle | |
|--|-----------|
| 3-Port Jack with Flanges | 1274824-2 |
| 3-Port Jack without Flanges | 2016032-1 |

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

Switching Coax Connectors for Mobile Phone (Consumer)



Mobile phone connector, which provides signal switching function between internal phone antenna and external car antenna.

GENERAL APPLICATIONS

- Mobile handsets
- Diagnostic test

PRODUCT OFFERING

- SMD switching connector family with three main heights: 3.5, 4.5 and 6.0 mm
- SMD switching connector with direct contact to the phone antenna
- Right-angle cable plugs for RG-174 cable
- Excellent signal transmission due to short distance between power elements and antenna or switch, no internal cables

PERFORMANCE SPECIFICATIONS

- Operating Frequency: Up to 2.4 GHz
- Nominal Impedance: 50 ohms
- VSWR (Max.): 1.15:1 @ 1 GHz
<1.20:1 @ 2 GHz
- Insertion Loss: -0.30 dB max. @ 2 GHz
- Durability: 30,000 cycles
- Temperature Rating: -40°C to +85°C

Coaxial Inserts (Type C)



High current inserts for board-to-board applications.

GENERAL APPLICATIONS

- With low-frequency connectors Siedecon, DIN 41612 (Style M)
- Z-PACK connectors

PRODUCT OFFERING

- Cable, THT and press-in termination
- SMT "pin through paste" termination
- Full crimp cable termination
- Adapters to Series SMA and 1.6/5.6
- High-current contacts also available
- Compatible with Eurocard, Siedecon, Z-PACK and HM connectors

PERFORMANCE SPECIFICATIONS

- Operating Frequency: Up to 2 GHz
- Nominal Impedance: 50 or 75 ohms
- VSWR (Max.): 1.20 up to 2GHz
- Durability: 500 cycles
- Temperature Rating: -55°C to +125°C
- Meets requirements of DIN 41626 and CECC 22330

Board-Mount Connectors (50 ohms)

| | |
|-----------------|-----------|
| Right-Angle Pin | 5148386-1 |
| Vertical Socket | 5148385-1 |

Cable-Applied Crimp Connectors (50 ohms)

| | |
|---------------|-----------|
| Straight Jack | 1392020-1 |
|---------------|-----------|

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

BETWEEN SERIES ADAPTERS

- Cost effective solution for those applications
- requiring the mating of two separate RF interfaces
- Performance limited to the RF interfaces used, but adapter designs provide a minimum length consistent with good electrical performance
- Applications include communications equipment of all types, in-house test and measurement

TE TECHNICAL SUPPORT CENTER

| | |
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