1-2016661-0 ✔ ACTIVE

RF 2.4mm

TE Internal #: 1-2016661-0

2.4mm to 2.4mm Cable Assembly, 1 m [3.28 ft], Black Cable, 50 GHz, 50 ohm, TPE Jacket, 21 AWG, 3.6 mm [.142 in] Diameter, 2.4 mm Series RF Plug End A

View on TE.com >

Cable Assemblies > RF Cable Assemblies



Cable Assembly Type: **2.4mm to 2.4mm**

Cable Assembly (End A): **2.4mm Series RF Plug**

Cable Assembly (End B): **2.4mm Series RF Plug**

Cable Assembly Length: **1 m [3.28 ft]**

Impedance: **50 Ω**

Features

Product Type Features

Cable Assembly Type	2.4mm to 2.4mm
Cable Assembly (End A)	2.4mm Series RF Plug
Cable Assembly (End B)	2.4mm Series RF Plug

Configuration Features

Number of Connectorized Ends	2

Electrical Characteristics

Insulation Resistance	500 MΩ
Operating Voltage	60 V
Impedance	50 Ω

Signal Characteristics

Velocity of Propagation	80 %

Body Features

Conductor Material	Beryllium Copper

Strain Relief Type	Heat Shrink Tubing
Shield Plating Material	Tin
Conductor Plating Material	Gold
Shield Material	Copper Wire
Jacket Material	TPE
Cable Color	Black

Contact Features

Contact Base Material	Beryllium Copper
Center Contact Plating Material	Gold

Dimensions

Outside Cable Diameter	3.6 mm[.142 in]
Wire Size	21 AWG

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Shielded	Yes
Operating Frequency Range	50 GHz

Other

Cable Assembly Length	1 m[3.28 ft]

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (4.35% in Component Part) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR

	/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

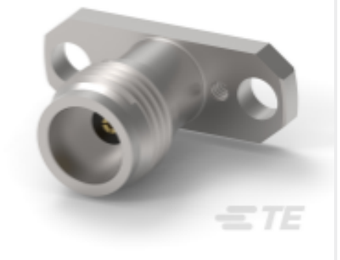
Compatible Parts



TE Part # 2441542-1
2.4MM F TO 2.4MM M SLIDE ON ADAP BMRF



TE Part # 2081937-1
1.85MM JACK 2-HOLE FLANGE SOLDERLESS



TE Part # 2081936-1
2.4MM JACK 2-HOLE FLANGE SOLDERLESS



TE Part # CON24001-VIA
2.4 mm Jack 50 Ohm PCB Surface Mount



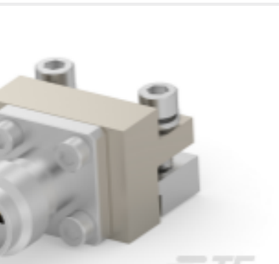
TE Part # CON24001-VIA-1
2.4 mm Jack 50 Ohm PCB Surface Mount



TE Part # 2081551-1
ADAPTOR 2.4MM PLUG TO 1.85MM PLUG



TE Part # 2081935-1
2.4MM JACK 4-HOLE FLANGE RECEPTACLE



TE Part # 2441872-1
2.4MM F ST CONNECTOR W END LAUNCH RFSC



TE Part # CON24001-1
2.4 mm Jack 50 Ohm PCB Surface Mount



TE Part # 2081593-1
ADAPTER 2.4MM FEMALE TO 2.4MM FEMALE



TE Part # 2081550-1
ADAPTOR 1.85MM JACK TO 1.85MM JACK



TE Part # 2081598-1
2.4MM JACK 2-HOLE FLANGE RECEPTACLE



TE Part # L9000331-01
2.4 Jack to 2.4 Jack



TE Part # 2081552-1
ADAPTOR 2.4MM PLUG TO 1.85MM JACK



TE Part # L9000333-01
2.4 Jack to 2.92 Plug

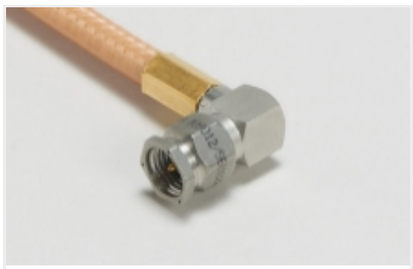


TE Part # L9000332-01
2.4 Jack to 2.92 Jack

Also in the Series | RF 2.4mm

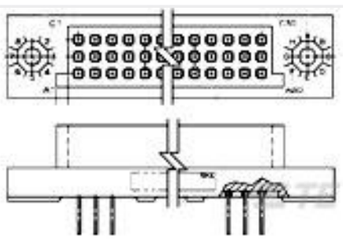


Coax Connectors(7)

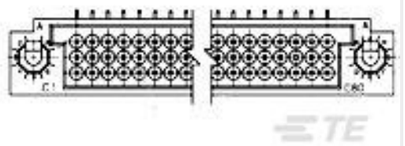


RF Cable Assemblies(13)

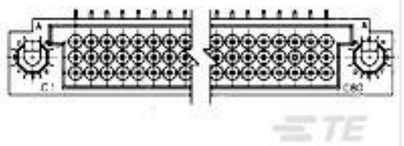
Customers Also Bought



TE Part #446853-5
3ROW BOX REC 165P 100CLSEALED



TE Part #448007-2
3 ROW BOX PIN 210 POS R/A



TE Part #448008-1
3 ROW BOX PIN 180 POS R/A S/L



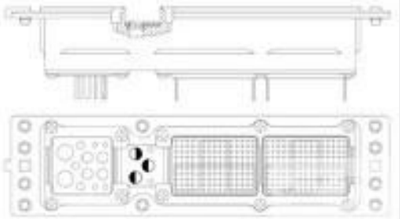
TE Part #1617122-6
JMACD-18XLS = M39016/15-104L



TE Part #4-1617352-0
JMGSCD-6MW=M39016/42-050M



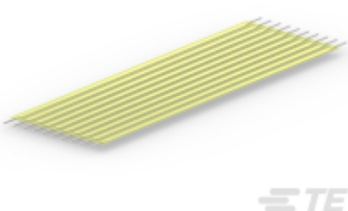
TE Part #5-1617352-3
JMGSCDD-5PW=M39016/43-049P



TE Part #1757964-2
A600 SZ 2 RCPT 150/150/13C2



TE Part #6-5174215-4
AMPLIMITE.050 PLUG ASS'Y (V) 60P PB-FREE



TE Part #3-1437193-0
FST140569621 FST-24A-22V4

Documents

Product Drawings

2.40 MALE-MALE,50G,L1000,WITH ARMOR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2016661-0_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2016661-0_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2016661-0_A.3d_stp.zip

English

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Product Specifications

Product Specification

English