2081996-1 ✔ ACTIVE

TE Internal #: 2081996-1

Massive Channel Coaxial Connector, Jack, 50 ohm, 1.6 GHz, Cable-to-Board, 64 Position, Printed Circuit Board, Board Mount, -40 – 85 °C [-40 – 185 °F]

View on TE.com >

Connectors > RF Connectors > Coax Connectors







RF Interface: **Massive Channel Coaxial**

RF Connector Style: **Jack**

Impedance: **50 Ω**

Operating Frequency Range: **1.6 GHz**

Connector System: **Cable-to-Board**

Features

Product Type Features

RF Interface	Massive Channel Coaxial
RF Connector Style	Jack
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Straddle Mount
Number of Positions	64
Number of Coaxial Contacts	64

Electrical Characteristics

Impedance	50 Ω

Body Features

Body Underplating Material	Nickel
Body Material	Copper Alloy

Body Material Finish	Plated
Body Plating Material	Gold

Contact Features

RF Connector Center Contact Plating Material	Gold (Au)
RF Connector Center Contact Material	Copper Alloy

Termination Features

Termination Method to PCB	Surface Mount

Mechanical Attachment

Connector Mounting Type	Board Mount
RF Contact Captivation Method	Mechanical

Dimensions

Profile Height from PCB	3 mm[.118 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
Operating Frequency Range	1.6 GHz

Packaging Features

Packaging Method	Tray/Box

Other

Dielectric Material	Liquid Crystal Polymer (LCP)

Product Compliance

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

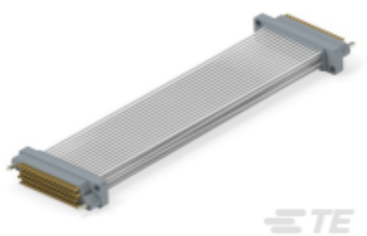
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC

Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

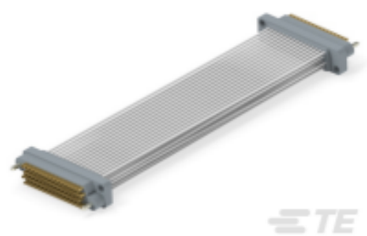
Product Compliance Disclaimer

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

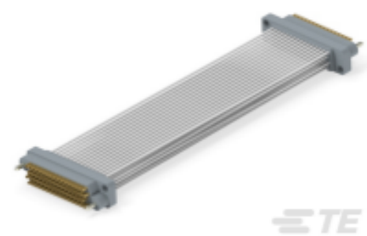
Compatible Parts



TE Part # 2016667-5
MULTI-PORT CA,COAX TO COAX, L500,POWER

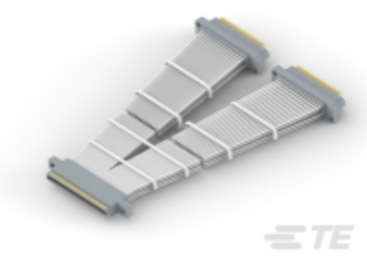


TE Part # 1-2016667-5
MULTI-PORT CA,COAX TO COAX, L1500,POWER

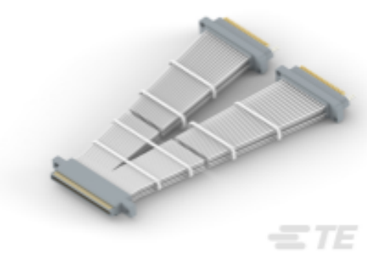


TE Part # 1-2016667-2
MULTI-PORT CA,COAX TO COAX, L1200,POWER

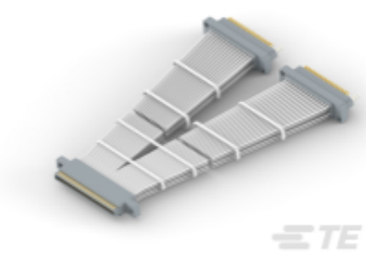
TE Part # 2016746-3
POWER CA,128P LIF TO 2X64P COAX, L350



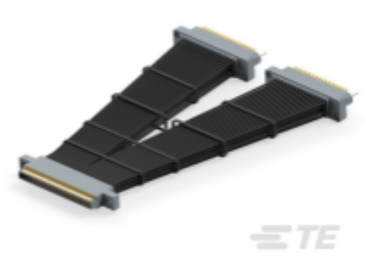
TE Part # 2016746-6
POWER CA,128P LIF TO 2X64P COAX, L600



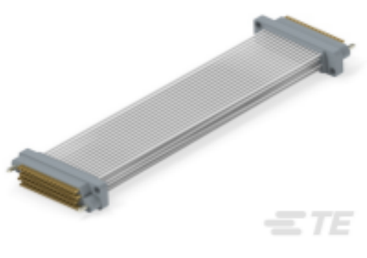
TE Part # 2016746-7
POWER CA,128P LIF TO 2X64P COAX, L700



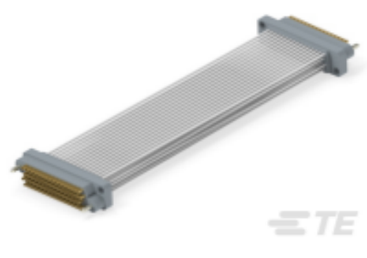
TE Part # 2016746-1
POWER CA,128P LIF TO 2X64P COAX, L1000



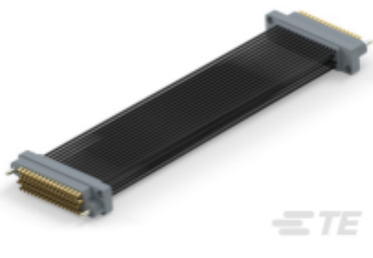
TE Part # 2016745-1
SIGNAL CA,128P LIF TO 2X64P COAX, L1000



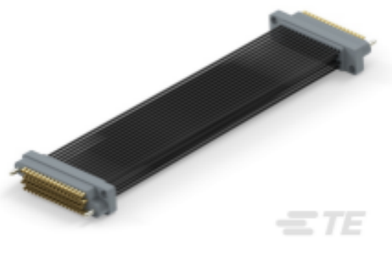
TE Part # 2016667-3
MULTI-PORT CA,COAX TO COAX, L300,POWER



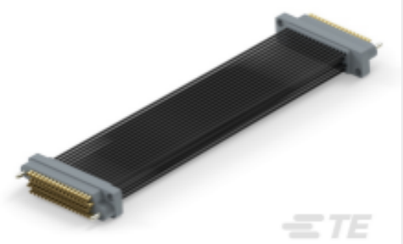
TE Part # 2016667-7
MULTI-PORT CA,COAX TO COAX, L700,POWER



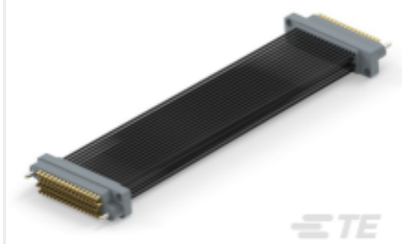
TE Part # 2016668-9
MASSIVE COAX CA,L900,SIGNAL



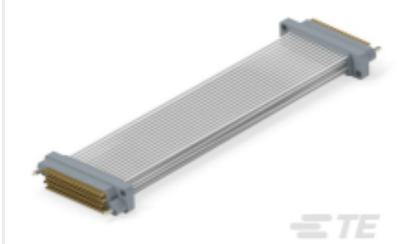
TE Part # 1-2016668-0
MULTI-PORT CA,COAX TO COAX, L1000,SIGNAL



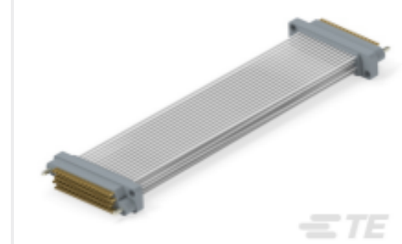
TE Part # 1-2016668-5
MULTI-PORT CA,COAX TO COAX, L1500,SIGNAL



TE Part # 2-2016668-5
MULTI-PORT CA,COAX TO COAX, L250,SIGNAL



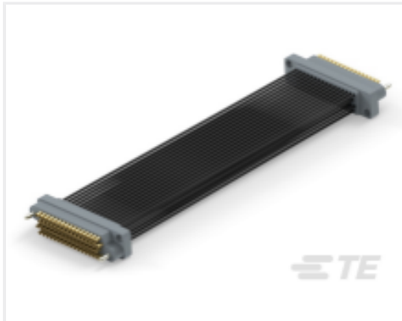
TE Part # 2016667-2
MULTI-PORT CA,COAX TO COAX, L200,POWER



TE Part # 1-2016667-0
MULTI-PORT CA,COAX TO COAX, L1000,POWER



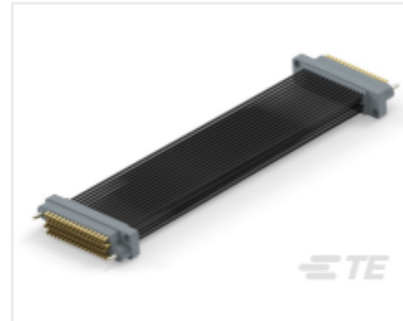
TE Part # 2016745-7
MASSIVE COAX CA,1 LIF TO 2X RF, L700,SI



TE Part # 2016668-7
MASSIVE CHANNEL COAXIAL CA, L700,SIGNAL



TE Part # 2016667-1
MULTI-PORT CA,COAX TO COAX, L100,POWER



TE Part # 1-2016668-2
MULTI-PORT CA,COAX TO COAX, L1200,SIGNAL

Customers Also Bought



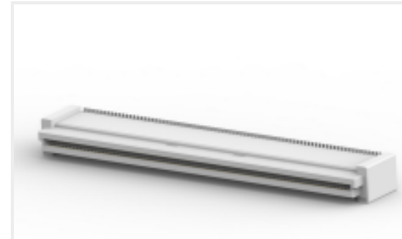
TE Part #5-104069-2
50 sys 50 hdr drra shrd sn



TE Part #5-104078-5
50 SYSTEM 50 RCPT ASSY DRST SN



TE Part #6-1879208-5
CPF 0402 4K7 0.1% 25PPM 1K RL



TE Part #CAT-313-RCB160
Free Height Receptacle Conn: Board-Board, Vertical, 160, 0.8mm



TE Part #CAT-AM74-UN384H
AMP-LATCH UNIVERSAL HEADERS



TE Part #5177985-1
0.8FH,R05H.5,040,08/Sn,TR,SC



TE Part #3-5177986-8
0.8FH,P08H.5,160,08/Sn,TR,SC

TE Part #2386423-3
spring rec assy,256pos,w/ post,4.0rivet

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_2081996-1_1.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_2081996-1_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2081996-1_1.3d_stp.zip

English

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Datasheets & Catalog Pages

Massive_coaxial_connectors-en-flyer

English

Product Specifications

Product Specification

English