



TE Internal #: 2081996-1

Massive Channel Coaxial Connector, Receptacle, 50 ohm, 0 – 1.6 GHz, Cable-to-Board, 64 Position, Printed Circuit Board, Board Mount

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Connectors > RF Connectors > Coax Connectors



RF Interface: **Massive Channel Coaxial**

RF Connector Style: **Receptacle**

Impedance: **50 Ω**

Operating Frequency: **0 – 1.6 GHz**

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

Features

Product Type Features

RF Interface	Massive Channel Coaxial
RF Connector Style	Receptacle
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
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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
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Mechanical Attachment

Connector Mounting Type	Board Mount
RF Contact Captivation Method	Mechanical

Dimensions

Profile Height from PCB	3 mm[.118 in]
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Usage Conditions

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

Circuit Application	Power & Signal
Operating Frequency	0 – 1.6 GHz

Packaging Features

Packaging Method	Tray/Box
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Other

Dielectric Material	LCP
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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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per



homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Not reviewed for solder process capability

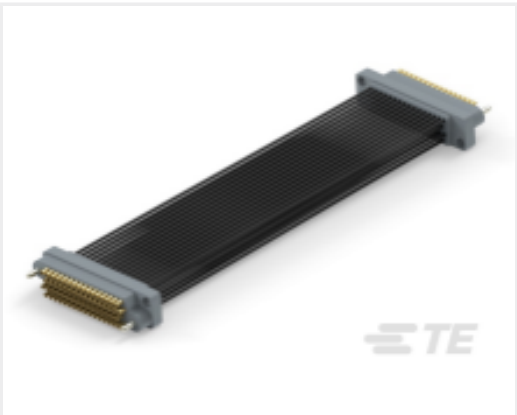
Product Compliance Disclaimer

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 # 1-2016667-5 MULTI-PORT CA,COAX TO COAX, L1500,POWER	 TE Part # 2016667-5 MULTI-PORT CA,COAX TO COAX, L500,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 # 2016667-2 MULTI-PORT CA,COAX TO COAX, L200,POWER	 TE Part # 1-2016668-5 MULTI-PORT CA,COAX TO COAX, L1500,SIGNAL
 TE Part # 2016667-3 MULTI-PORT CA,COAX TO COAX, L300,POWER	 TE Part # 2016668-9 MASSIVE COAX CA,L900,SIGNAL	 TE Part # 2016745-1 SIGNAL CA,128P LIF TO 2X64P COAX, L1000	 TE Part # 2016746-1 POWER CA,128P LIF TO 2X64P COAX, L1000





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



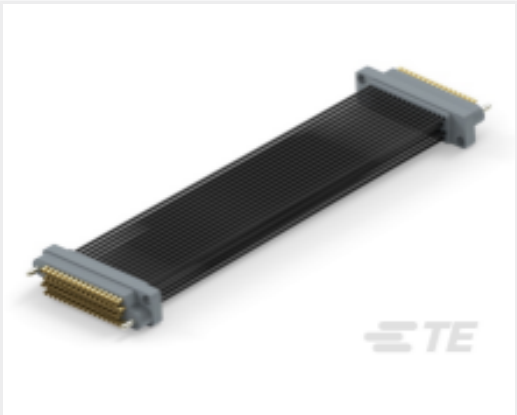
TE Part # 2016745-7
MASSIVE COAX CA,1 LIF TO 2X RF,
L700,SI



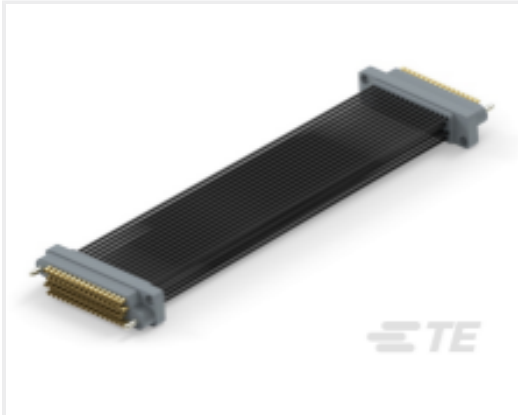
TE Part # 2016667-7
MULTI-PORT CA,COAX TO COAX,
L700,POWER



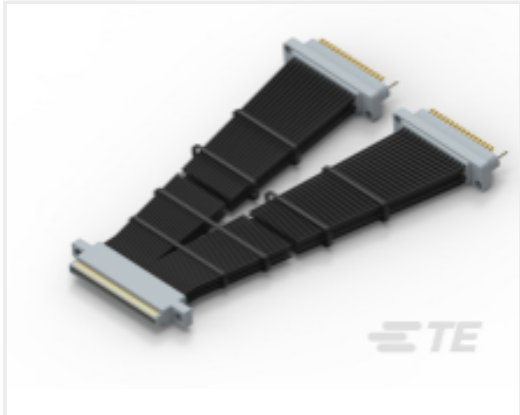
TE Part # 1-2016667-0
MULTI-PORT CA,COAX TO COAX,
L1000,POWER



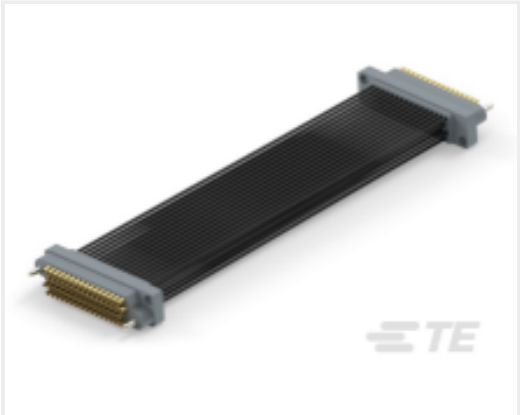
TE Part # 2-2016668-5
MULTI-PORT CA,COAX TO COAX,
L250,SIGNAL



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

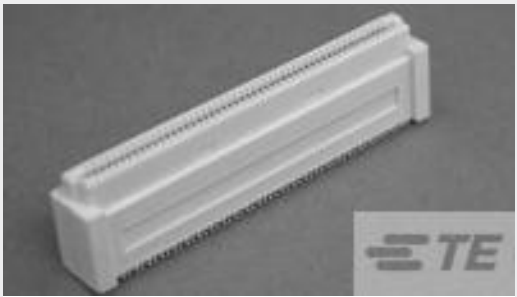


TE Part # 2016745-3
SIGNAL CA,128P LIF TO 2X64 COAX,
L350

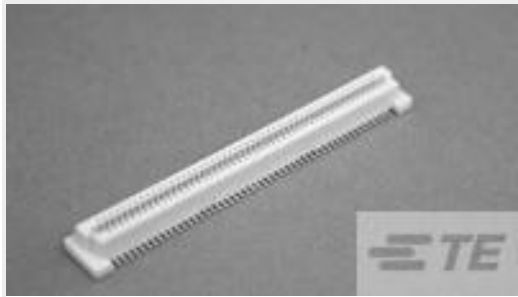


TE Part # 1-2016668-2
MULTI-PORT CA,COAX TO COAX,
L1200,SIGNAL

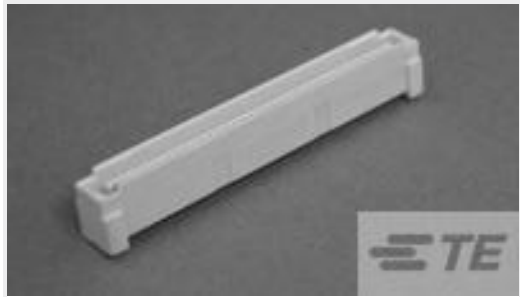
Customers Also Bought



TE Part #5084616-8
0.8FH,R13H.5,160,08/Sn,TR,SC



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 #2411098-1
Dual LIF vertical rec,256pos,6.2mm
board

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

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

Massive_coaxial_connectors-en-flyer

English



Product Specifications

Product Specification

English