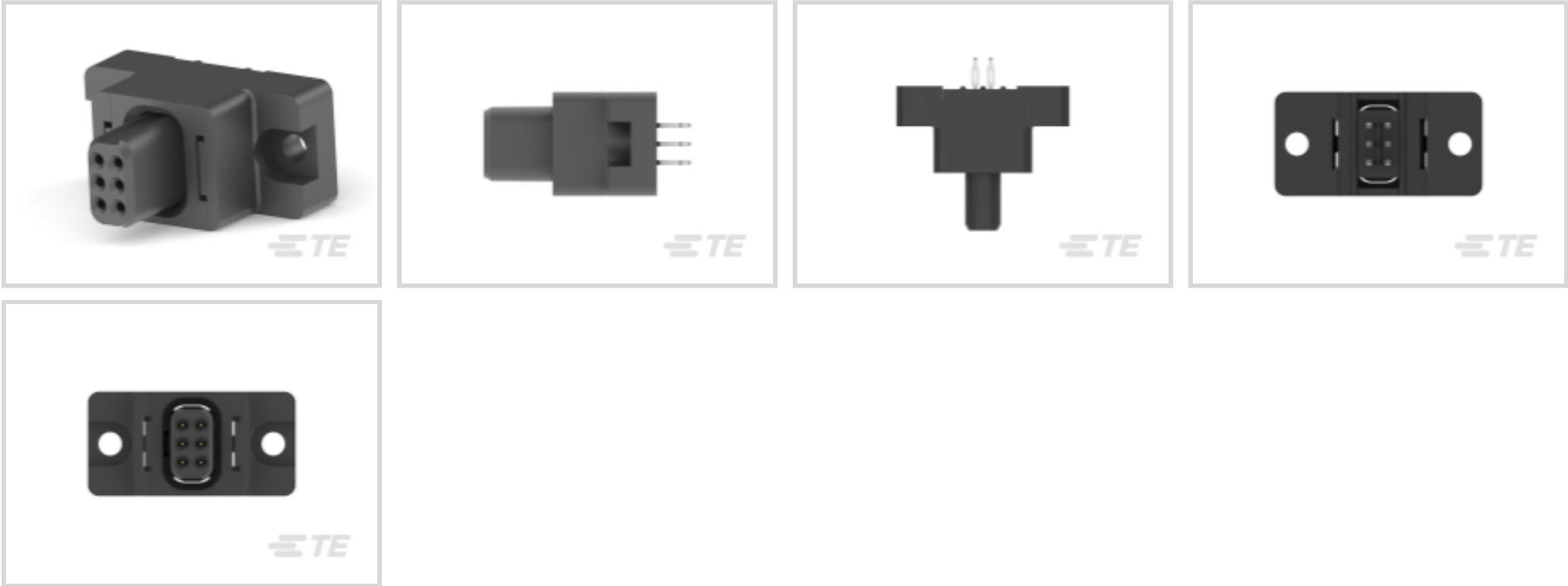




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **6**

Number of Rows: **3**

Features

Product Type Features

Connector Shape	Rectangular
PCB Connector Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Signal Positions	6
PCB Mount Orientation	Vertical
Number of Positions	6
Number of Rows	3

Electrical Characteristics

Operating Voltage	125 VDC
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Body Features

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Primary Product Color	Black
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	1.016 µm[40 µin]
Contact Layout	Matrix
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	3 A

Termination Features

Termination Post & Tail Length	4.6 mm[.181 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without

Housing Features

Housing Material	Thermoplastic Glass Reinforced
Centerline (Pitch)	2.5 mm[.098 in]

Dimensions

Row-to-Row Spacing	2.5 mm[.098 in]
Connector Width	14 mm[.551 in]
PCB Thickness (Recommended)	2.36 mm[.093 in]
Connector Height	14 mm[.551 in]
Connector Length	28 mm[1.1 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
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Operating Temperature Range

-40 – 105 °C[-40 – 221 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	88
Packaging Method	Box

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	Compliant
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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable 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 # 6651777-1
CONNECTOR, PIN, STRAIGHT,
COMPLIANT,FLA

Customers Also Bought



TE Part #1759547-1
mSATA/mini PCI-E 7H G/F



TE Part #2195846-2
FPC ANT, MHF, 100mm, 698-7125 MHz



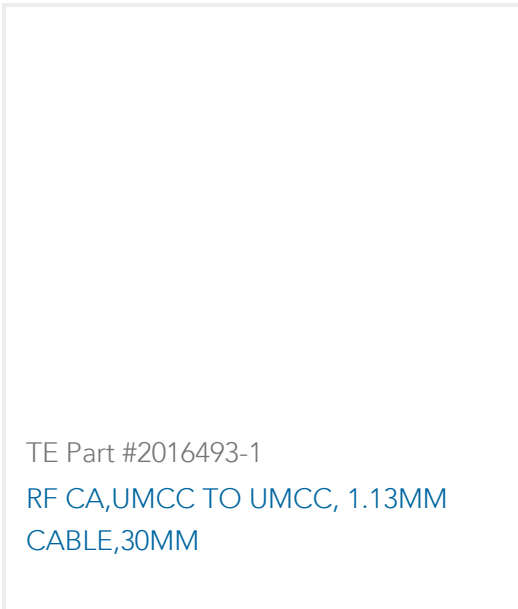
TE Part #5747840-2
HD-20 PLUG RA .318 FMS BD-LK



TE Part #CAT-AB0-E1601
Plastic Cable Glands Without Locknut



TE Part #1-2016698-6
RF CA,UMCC GEN4-GEN4,1.13MM
CABLE,L200MM



TE Part #2016493-1
RF CA,UMCC TO UMCC, 1.13MM
CABLE,30MM



TE Part #CONMHF4-SMD-G-T
MHF4 Jack 50 Ohm PCB Surface
Mount



TE Part #7-188275-8
MICRO-MATCH SMD FTE



TE Part #1825027-2
FSMRA1JH04=R/A,TACT PB SW,160G

Documents

Product Drawings
CONNECTOR, SOCKET, STRAIGHT, COMPLIANT,
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_6651778-1_A.2d_dxf.zip

6651778-1

PCB Mount Receptacle, Vertical, Board-to-Board, 6 Position, 2.5 mm [.098 in]
Centerline, Gold (Au), Through Hole - Press-Fit, Signal, Black, Box



English

Customer View Model

[ENG_CVM_CVM_6651778-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6651778-1_A.3d_stp.zip](#)

English

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

Product Specifications

Application Specification

English