



Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: Not Compliant

EU ELV Compliance: Compliant with Exemptions

PCB Connector Assembly Type: PCB Mount Header

PCB Mount Orientation: Right Angle

Connector System: Wire-to-Board

Features

Other

EU RoHS Compliance	Not Compliant
EU ELV Compliance	Compliant with Exemptions

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	20
Number of Rows	1

Electrical Characteristics

Termination Resistance	15 mΩ
Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	600 V

Body Features

Primary Product Color	Black
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Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.381 μm[15 μin]
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 μm[100 μin]
Contact Shape & Form	Square
Contact Mating Area Length	5.84 mm[.23 in]
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Termination Post & Tail Length	3.3 mm[.13 in]
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention Type	Hold-Down
Mating Retention	With
Mating Alignment Type	Latched, Polarization
PCB Mount Retention Type	Hold-Down
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	6.99 mm[.275 in]
Connector Length	53.34 mm[2.1 in]



Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

Compatible With Approved Standards Products	UL E28476, CSA LR7189
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	10
Packaging Method	Tube, Box

Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (13% 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 Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

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 # 1-487526-9
020 HOUSING FFC RCPT 100CL SR

TE Part # 1-103644-9
20 MTE RCPT SR LATCH .100CL

Also in the Series | AMPMODU MTE

Connector Caps & Covers(18)

Connector Contacts(27)

Connector Hardware(1)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(444)

Wire-to-Board Connector Assemblies
& Housings(298)

Customers Also Bought

TE Part #2170745-2
CAGE ASSY, 1X4, QSFP28, SPRING,
HS

TE Part #448153-4
AMPLIMITE, 3C3, SZ 2, PLUG

TE Part #2-2013297-1
EMB OSS TAPE DDR3 204P 8H STD

TE Part #1888251-2
Low Profile, RJ45, 1x4, Bi-Color

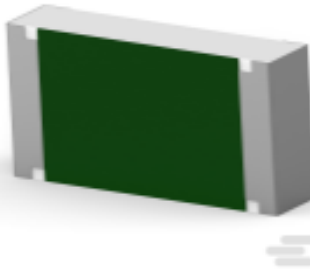




TE Part #1761465-3
PCI Express RA assy 5.8mm slot 2.3 mm pc



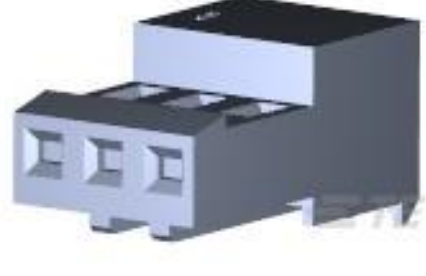
TE Part #1-292207-7
MINI CT SGL DIP V 17P NAT



TE Part #2176399-1
3502 270R 5%



TE Part #5-5179009-6
0.8FH,R09H.5,140,08/Sn,TU



TE Part #3-641239-3
03P MTA100 CONN ASSY BLU LF



TE Part #770968-1
04P MINI UMNL R/A HDR ASSY SN

Documents

- CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-103673-9_AH.2d_dxf.zip

English
- Customer View Model

ENG_CVM_CVM_1-103673-9_AH.3d_igs.zip

English
- Customer View Model

ENG_CVM_CVM_1-103673-9_AH.3d_stp.zip

English

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

- Datasheets & Catalog Pages

AMPMODU MTE INTERCONNECT SYSTEM

English

- Product Specifications

Application Specification

English

- Instruction Sheets

Instruction Sheet (U.S.)

English