



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

Connector System: **Board-to-Board, Wire-to-Board**

Number of Positions: **20**

Number of Rows: **2**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board, Wire-to-Board
Header Type	Fully Shrouded
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	20
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	750 Vrms

Body Features

Connector Profile	Standard
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Primary Product Color	Black
Contact Features	
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.381 µm[15 µin]
Contact Type	Pin
Contact Current Rating (Max)	3 A
Termination Features	
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.43 mm[.135 in]
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
Mating Retention	With
Mating Retention Type	Detent Window
Mating Alignment	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Housing Features	
Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	Thermoplastic
Dimensions	
Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.4 mm[.055 in]
Usage Conditions	
Housing Temperature Rating	Standard



Operating Temperature Range

-65 – 105 °C[-85 – 221 °F]

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	176
Packaging Method	Tray

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Wave solder capable to 240°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 # 102394-8
20 AMP MODU MT HSG DR .100CL

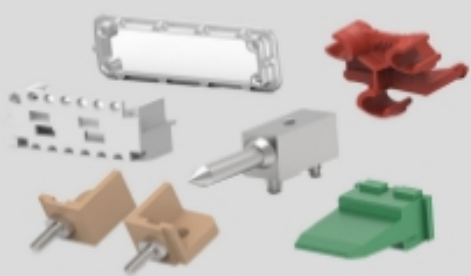


TE Part # 6-534206-0
20 MODII VRT DR CE 100/115

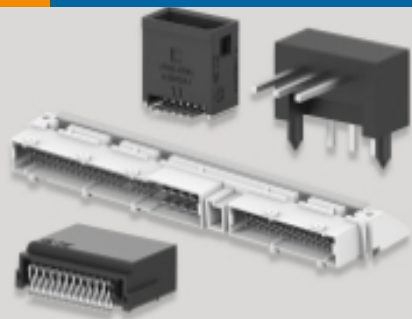
Also in the Series | AMPMODU Headers



Connector Contacts(60)



Connector Hardware(1)

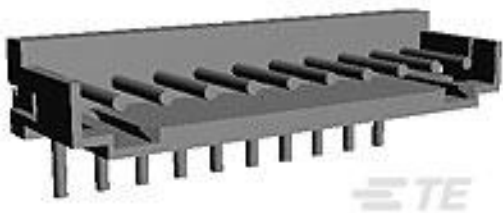


PCB Headers & Receptacles(1629)



Wire-to-Board Connector Assemblies & Housings(5)

Customers Also Bought



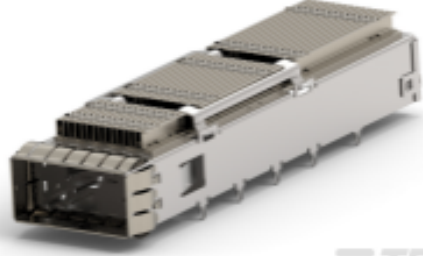
TE Part #1-292253-0
CT CONN MT HDR ASSY H 10P NAT



TE Part #4-1622824-6
RL73H 3A R91 1% 4K RL



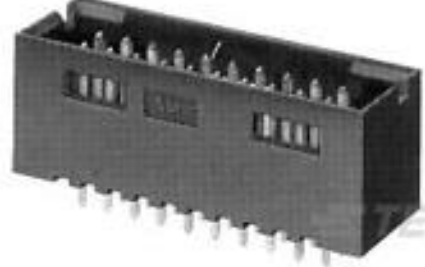
TE Part #5-87579-9
24 MODII HDR DRRA SHRD LF



TE Part #2342934-1
QSFP-DD 1X1, STANDARD, W/ ZIPPER HS



TE Part #6-103168-8
40 MODII HDR DRST SHRD .100CL



TE Part #103169-3
10 MODII HDR DRST SHRD .100CL



TE Part #2359845-1
CAGE ASSY W/ HS,SFP-DD 1X1, GENERAL



TE Part #T4144015081-000
M12 RA PCB CONN. Male 8 P UN SHIELD

Documents

Product Drawings
20 MODII HDR DRRA SHRD LF

English

CAD Files



Customer View Model

[ENG_CVM_5-102617-8_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_5-102617-8_J.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_5-102617-8_J.2d_dxf.zip](#)

English

3D PDF

English

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

Datasheets & Catalog Pages

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION5](#)

English