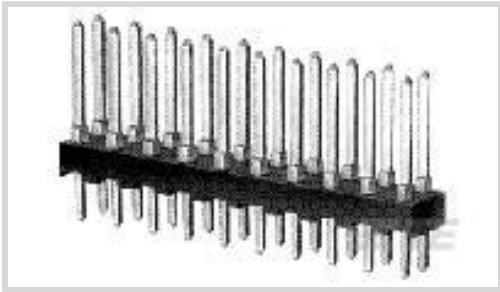




Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **20**

Centerline (Pitch): **2.54 mm [.1 in]**

Features

Product Type Features

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

Configuration Features

Number of Rows	2
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	20
Board-to-Board Configuration	Parallel

Electrical Characteristics

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

Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
Contact Underplating Material	Nickel



PCB Contact Termination Area Plating Material	Gold Flash
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 µm[30 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	3.18 mm[.125 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Color	Black
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	-55 – 125 °C[-67 – 257 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0
Agency/Standard	CSA, UL
CSA Certified	Yes



CSA File Number	LR7189
UL File Number	E28476

Packaging Features

Packaging Quantity	100
Packaging Method	Carton

Product Compliance

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

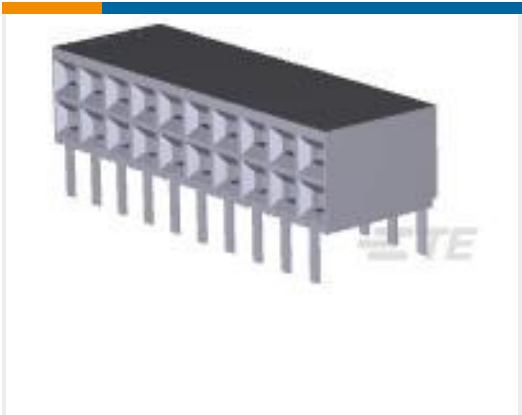
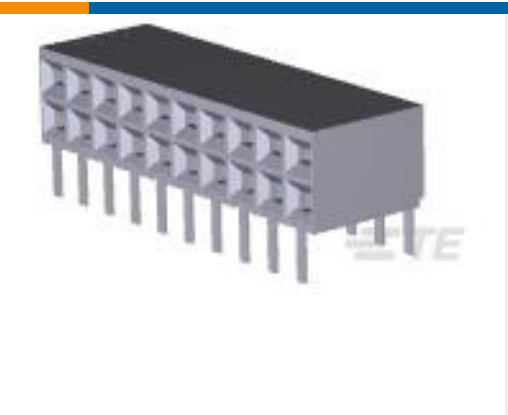
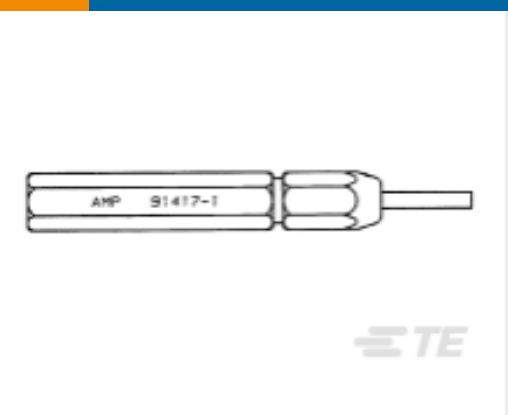
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: 1,6,7,8,9,14,15,16,17,17,18,18-dodecachloropentacyclo [12.2.1.16,9.02,13.05,10]octadeca-7,15-diene (Dechlorane Plus) (14.17% in Component Part) Article Safe Usage Statements: Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 535512-2 20 MODII HORZ DR CE	 TE Part # 86177-1 20 MODIV HSG COMP DR .100CL	 TE Part # 1-87456-5 20 MODIV HSG COMP DR .100CL	 TE Part # 5535512-2 20 MODII HORZ DR CE
 TE Part # 1-87456-6 20 MODIV HSG DR MRKD .100CL	 TE Part # 6-147102-0 20 MODIV VRT DR 100/SFMNT 30AU	 TE Part # 1-535598-0 20 MODIV VRT DR CE RCPT ASSY	 TE Part # 4-535512-6 100 MODII HORZ DR CE EESS .100
 TE Part # 4-5535512-6 100 MODII HORZ DR CE EESS .100	 TE Part # 5147722-9 20 MODII HORZ DR SFMNT 30AU	 TE Part # 6-535598-0 20 MODIV VRT DR CE RCPT ASSY	 TE Part # 91417-1 TOOL, KEYING (AMPMODU MTE)
 TE Part # 4-5147722-9 100 MODII HORZ DR SFMNT 30AU			

Also in the Series | AMPMODU Headers

 Automotive Headers(10)	 Board-to-Board Headers & Receptacles(7077)	 PCB Connector Mounting(1)	 PCB Connector Shrouds(1)
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PCB Latches, Locks & Retainers(2)	Wire-to-Board Connector Assemblies & Housings(5)	Wire-to-Board Connector Contacts(66)	Wire-to-Board Headers & Receptacles (79)

Customers Also Bought

 02 MODII HDR DRST UNSHRD .100	 1MM FPC HORZ.BTMM CONT.ASS.11P	 MICRO MNL HDR ASSY S/ROW AU LF	 HFW5A1201L00 = HFW5A RELAY
 SMV 3W 1M0 5%	 SMV 3W 2M2 5%	 10 MODII HDR DRST B/A .100CL	 60 SYS50 SURFMNT HDR DRST SHRD
 III+ PIN,24-20,TIN,SMPACK	 9-166-0003-08 G		

Documents

Product Drawings
20 MODII HDR DRST UNSHRD .100

English

CAD Files
3D PDF

3D
3D PDF

English



Customer View Model

[ENG_CVM_87215-7_J.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_87215-7_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_87215-7_J.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_87215-7_L.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_87215-7_L.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_87215-7_L.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION5](#)

English

Product Specifications

English

[Connector, Locking Clip, .025 Inch Square, Gold](#)

English

Product Environmental Compliance

[MD_87215-7_0221201845_dmtec](#)

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[MD_87215-7_0221201845_dmtec](#)

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Agency Approvals

[UL Report](#)

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