

TE Internal #: 5-102802-4

PCB Mount Header, Right Angle, Board-to-Board, 50 Position, 2.54 mm [.1 in] Centerline, Partially Shrouded, Gold, AMPMODU Headers

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **50**

Number of Rows: **2**

Features

Product Type Features

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

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	50
Number of Rows	2
Board-to-Board Configuration	Co-Planar

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	750 VACrms
Operating Voltage	250 VAC

Body Features

Primary Product Color	Black
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Contact Features

Contact Mating Area Length	8.07 mm[.318 in]
Mating Square Post Dimension	.64 mm[.025 in]
	100 - 200 µin



Contact Layout	Inline
PCB Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.762 μm[30 μin]
Contact Type	Pin
Contact Current Rating (Max)	2 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 Retention	Without
PCB Mount Retention Type	Board Retention Tail
Mating Alignment	With
Mating Alignment Type	Guide Pins
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Connector Height	8.13 mm[.32 in]
Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.4 mm[.055 in]

Usage Conditions

Operating Temperature Range	-65 - 125 °C[-85 - 257 °F]
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Operation/Application

Assembly Process Feature	None
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Circuit Application	Signal
Industry Standards	
UL Flammability Rating	UL 94V-0

Packaging Features	
Packaging Quantity	7
Packaging Method	Tube

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 # 5-532956-8
50 MODII 2PC CE RCPT ASSY, RoHS

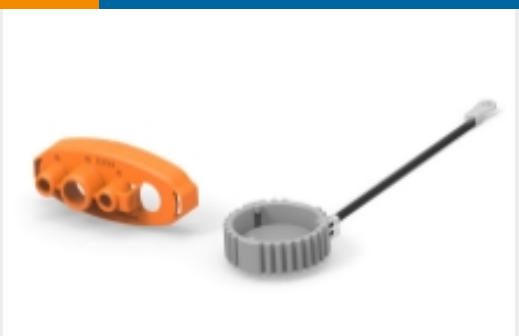


TE Part # 5-534204-1
50 MODU 2-PC CE RECP ASSY, RoHS

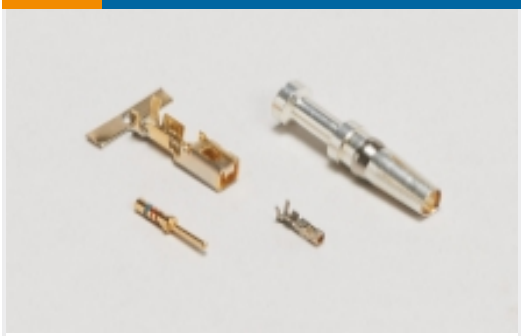


TE Part # 5-533009-8
50 MODII 2PC CE RCPT ASSY, RoHS

Also in the Series | AMPMODU Headers



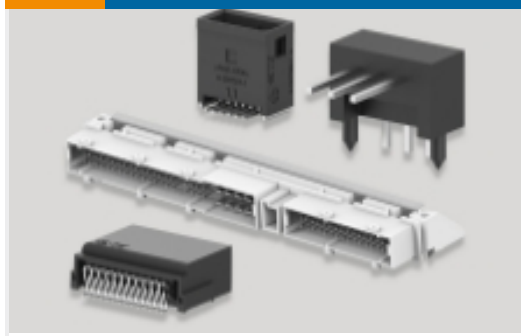
Connector Caps & Covers(1)



Connector Contacts(64)



Connector Hardware(2)



PCB Headers & Receptacles(4349)

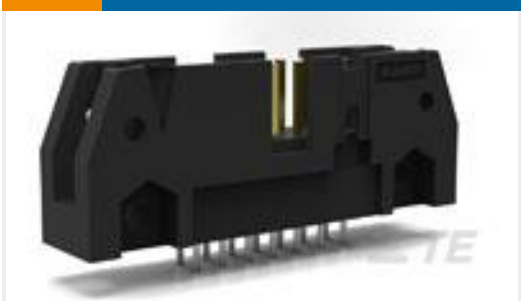


Wire-to-Board Connector Assemblies
& Housings(5)

Customers Also Bought



TE Part # 640455-8
08P MTA100 HDR ASSY SQ R/A POL



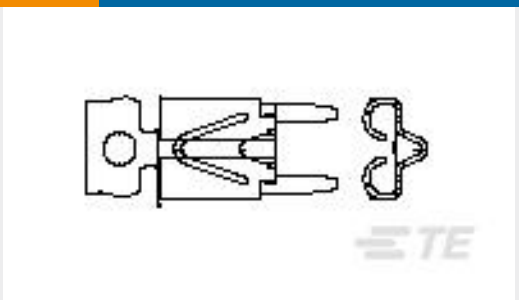
TE Part # 5102153-9
A/L UNIV HDR 40P VERT



TE Part # 5650462-4
ASSY,RECEPTACLE,EUROCARD,TYPE



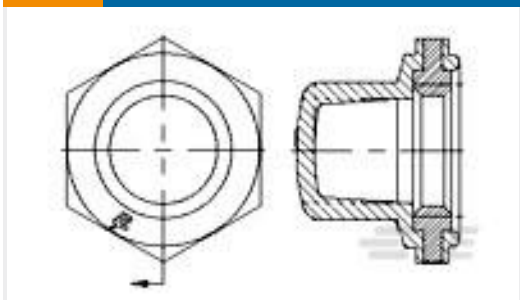
TE Part # 5-104362-7
08 MTE HDR SRST LATCH W/HLDWN



TE Part # 63994-1
FASTON 205/250 PCB MOUNTED
TPBR



TE Part # 1676323-2
RN 0805 3K09 0.1% 10PPM 1KRL



TE Part # 1825604-1
BPA1440004=Boot,Pushbutton



TE Part # 3-1123723-7
3.96 EP HDR ASSY 7P(BLUE)



Documents

Product Drawings

50 MODII 2PC HDR DRRA SHRD, ROHS

English

CAD Files

Customer View Model

ENG_CVM_CVM_5-102802-4_N.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-102802-4_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-102802-4_N.3d_stp.zip

English

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

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5_CONT

English