



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **40**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

Board-to-Board Configuration	Parallel
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	40
Number of Rows	1

Electrical Characteristics

Insulation Resistance	5000 MΩ
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Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features



Contact Mating Area Plating Material Thickness	2.54 – 5.08 μm[100 – 200 μin]
Mating Square Post Dimension	.64 mm[.025 in]
	50 μin
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	2.79 mm[.109 in]
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material	Tin-Lead
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

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

Housing Features

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

Dimensions

Stack Height	5.08 mm[.2 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	Pick and Place Cover
Circuit Application	Signal

Industry Standards



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

Packaging Features

Packaging Quantity	250
Packaging Method	Carton

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	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	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) SVHC > Threshold: Pb (13% in 4690971277) 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	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 # 9-146458-0
40 MODII HDR SRST UNSHRD STKG



TE Part # 4-146461-0
40 MODII HDR SRST UNSHRD STKG



TE Part # 4-146460-0
40 MODII HDR SRST UNSHRD STKG

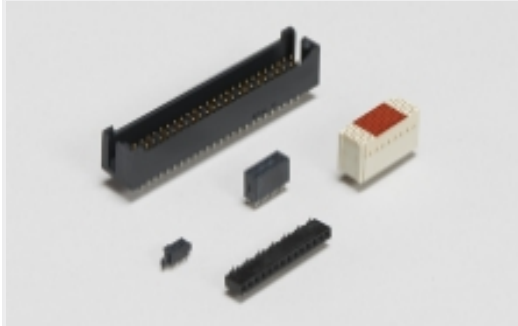


TE Part # 4-146468-0
40 MODII HDR SRST UNSHRD STKG

Also in the Series | AMPMODU Headers



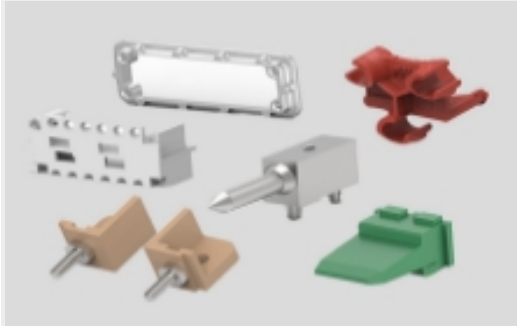
Automotive Headers(1)



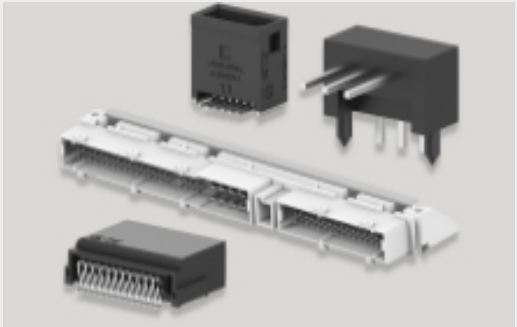
Board-to-Board Headers & Receptacles(1576)



Connector Contacts(47)



Connector Hardware(1)



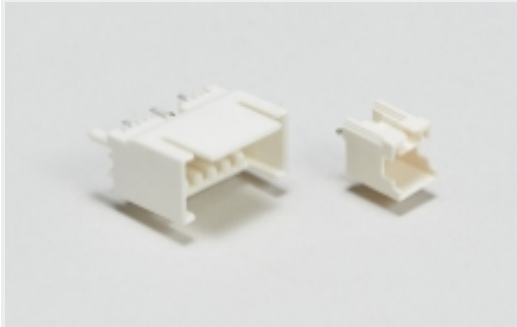
PCB Headers & Receptacles(1621)



Rectangular Power Connectors(43)



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



Wire-to-Board Headers & Receptacles (114)

Customers Also Bought



TE Part #354702-E
M12 FEMALE, A CODE, 5P, 17MM SMT



TE Part #5-103669-3
04 MTE HDR SRST LATCH W/HLDWN SMT



TE Part #1658613-3
15 POS HDF PLUG, MS, LEAD FREE



TE Part #2000713-6
RA Keyed Guide Mod, Vita 46, Machined



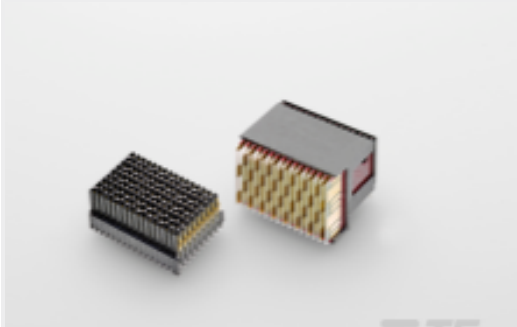
TE Part #2-34160-1
TERMINAL,PG R 16-14 8, TAPE



TE Part #1462041-8
IMB03CTS=IM RELAY 140mW 5V HDV



TE Part #292227-6
1.5 MINI CT SGL H SMT W BOSS 6



TE Part #2345723-1
Plug Assy, 7RW, P0/P1A, MULTIGIG RT 2-S



Documents

Product Drawings

40 MODII HDR SRST UNSHRD STKG

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-146455-0_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-146455-0_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-146455-0_B.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

AMPMODU Interconnection System

English