



Connectors > PCB Connectors > PCB Headers & Receptacles



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

Configuration Features

Connector Contact Load Condition	Fully Loaded
Board-to-Board Configuration	Orthogonal
Stackable	No
PCB Mount Orientation	Right Angle
Number of Positions	50
Number of Rows	2

Body Features

Primary Product Color	Black
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Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Mating Square Post Dimension	.5 mm[.02 in]



PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	3.86 mm[.152 in]
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	1 A

Termination Features

Rectangular Termination Post & Tail Width	.27 mm[.011 in]
Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

PCB Mount Retention Type	Kinked Legs
PCB Mount Alignment Type	Locating Posts
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	Without

Housing Features

Housing Material	Polyphenylene Sulfide (PPS)
Centerline (Pitch)	2 mm[.079 in]

Dimensions

Row-to-Row Spacing	2 mm[.079 in]
PCB Thickness (Recommended)	.8 mm[.031 in]
Connector Height	2 mm[.078 in]
Connector Length	56.03 mm[2.2 in]

Operation/Application

Circuit Application	Signal
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Industry Standards

Compatible With Agency/Standards Products	UL
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UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Quantity	1000
Packaging Method	Tape

Other

Position Locations Omitted	0
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Product Compliance

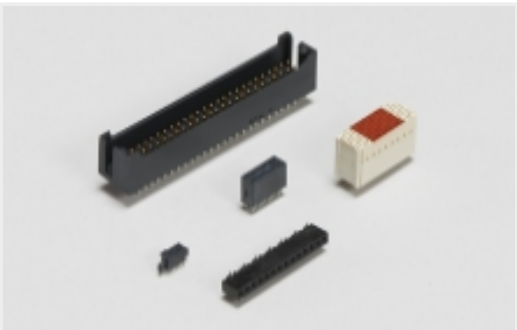
For compliance documentation, visit the product page on TE.com>

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 2025 (247) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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>

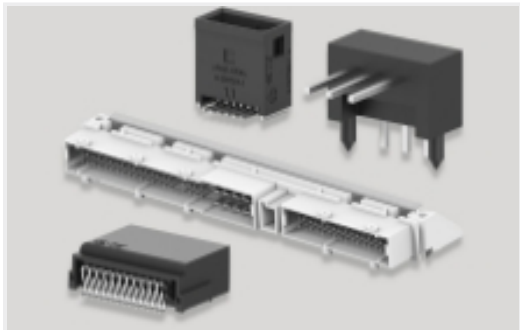
Also in the Series | AMPMODU 2 mm



Board-to-Board Headers & Receptacles(8160)



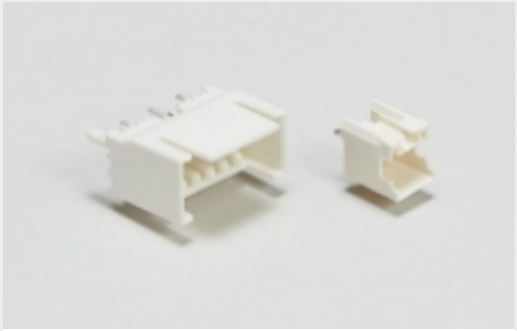
Connector Contacts(27)



PCB Headers & Receptacles(8190)



Wire-to-Board Connector Assemblies & Housings(202)



Wire-to-Board Headers & Receptacles (1037)

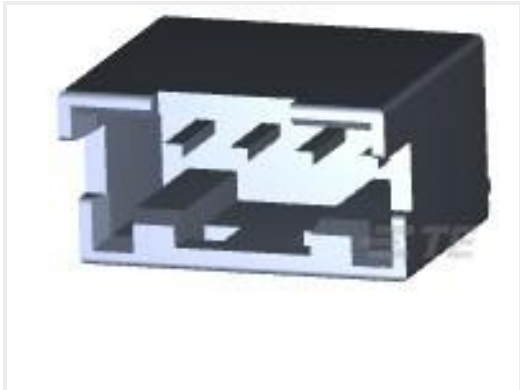
Customers Also Bought



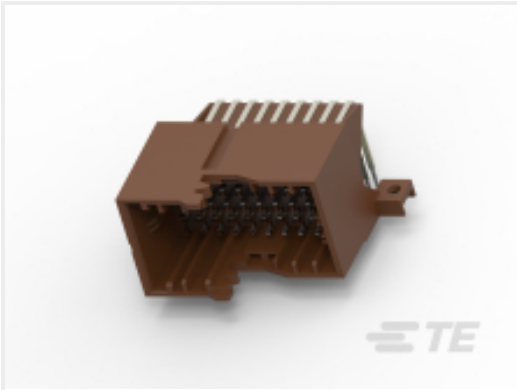
TE Part #5-147731-1
03 MODIV VRT SR SFMNT SN



TE Part #3-2176362-5
RQ 0402 90R9 0.1% 10PPM 5K RL



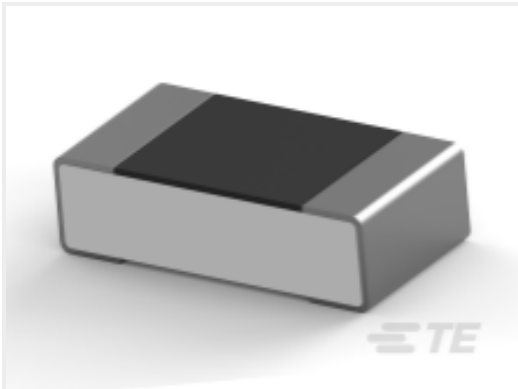
TE Part #2-1747067-4
GRACE INERTIA CONN 2.5 HDR ASSY 4P BLUE



TE Part #CAT-M4599-H342
AMP MCP Unsealed Headers



TE Part #2-2291392-0
MALE ASM, 1 POS, R/A, PCB, FAKRA



TE Part #9-2176367-8
RQ 0603 47K5 0.1% 10PPM 1K RL



TE Part #63872-1
TERM RING IS 18-14 12 030BR



TE Part #2-1825010-1
ASE42RGL04=4PDT AUTOSLIDE



TE Part #7-2176067-8
CRG0201 1% 402R

Documents



CAD Files

Customer View Model

[ENG_CVM_CVM_1-5084108-2_A.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-5084108-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-5084108-2_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[AMPMODU Interconnetion System](#)

[AMPMODU Interconnetion System](#)

English