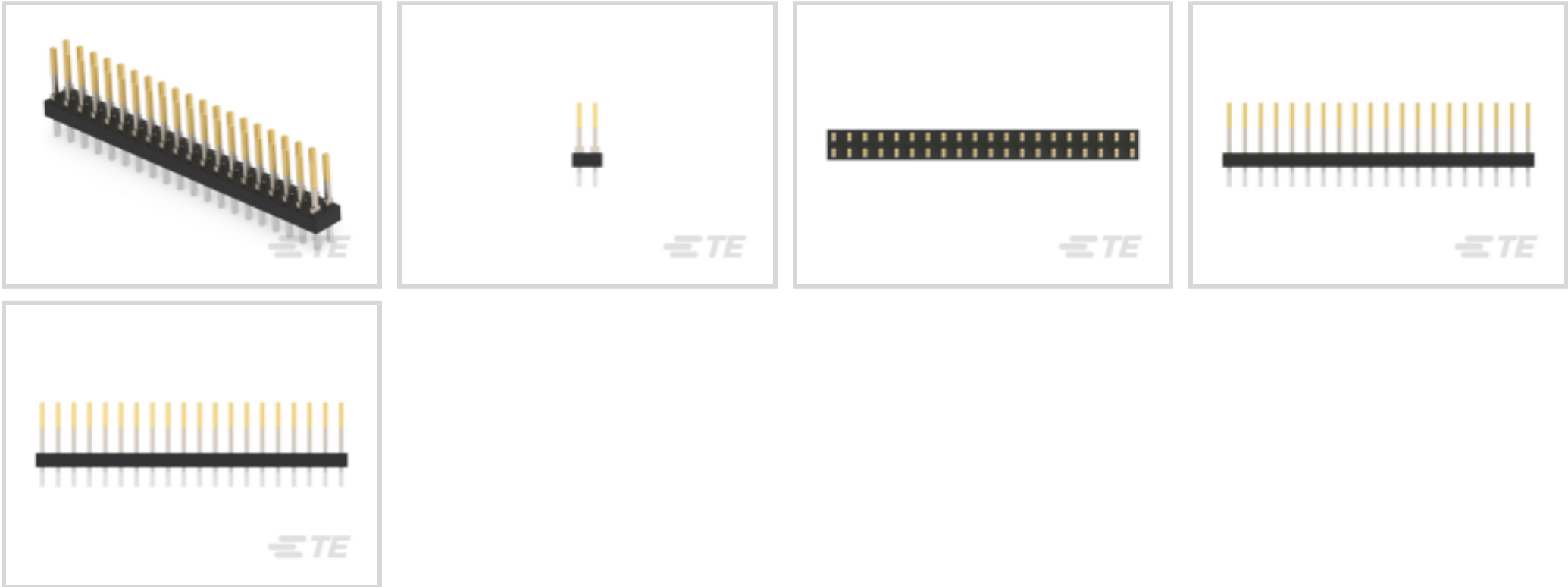




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **40**

Number of Rows: **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
Connector Product Type	Connector Assembly

Configuration Features

Connector Contact Load Condition	Fully Loaded
Board-to-Board Configuration	Parallel
PCB Mount Orientation	Vertical
Number of Positions	40
Number of Rows	2

Electrical Characteristics

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

Body Features

Primary Product ColorBlack

Contact Features

Contact Underplating MaterialNickel

Contact Mating Area Plating Material Thickness.38 µm[15 µin]

Mating Square Post Dimension.64 mm[.025 in]

Contact Shape & FormSquare

Contact Base MaterialPhosphor Bronze

PCB Contact Termination Area Plating MaterialGold Flash

Contact Mating Area Plating MaterialGold (Au)

Contact TypePin

Contact Current Rating (Max)3 A

Termination Features

Termination Post & Tail Length3.18 mm[.125 in]

Square Termination Post & Tail Dimension.64 mm[.025 in]

Termination Method to PCBThrough Hole - Solder

Mechanical Attachment

PCB Mount RetentionWithout

PCB Mount AlignmentWithout

Connector Mounting TypeBoard Mount

Mating AlignmentWithout

Housing Features

Housing MaterialThermoplastic

Centerline (Pitch)2.54 mm[.1 in]

Dimensions

Row-to-Row Spacing2.54 mm[.1 in]

PCB Thickness (Recommended)1.4 mm[.055 in]

Usage Conditions

Housing Temperature RatingStandard

Operating Temperature Range-55 – 125 °C[-67 – 257 °F]

Operation/Application



Circuit Application	Signal
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Industry Standards

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

Packaging Features

Packaging Quantity	100
Packaging Method	Carton

Product Compliance

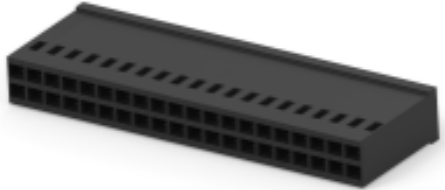
For compliance documentation, visit the product page on TE.com>

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 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # 1-86177-1
40 MODIV HSG COMP DR .100CL



TE Part # 3-87456-6
40 MODIV HSG DR MRKD .100CL

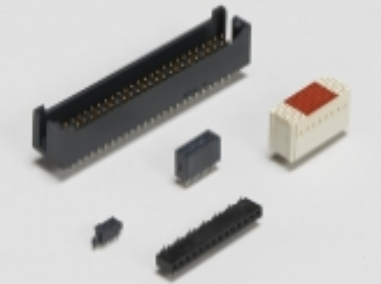


TE Part # 3-87456-5
40 MODIV HSG COMP DR .100CL

Also in the Series | AMPMODU Headers



Automotive Headers(1)



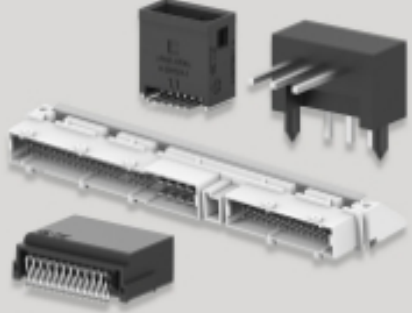
Board-to-Board Headers & Receptacles(1576)



Connector Contacts(47)



Connector Hardware(1)



PCB Headers & Receptacles(1621)



Rectangular Power Connectors(43)

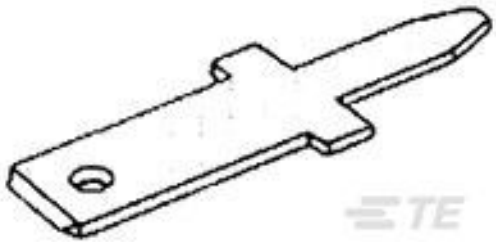


Wire-to-Board Connector Assemblies & Housings(5)

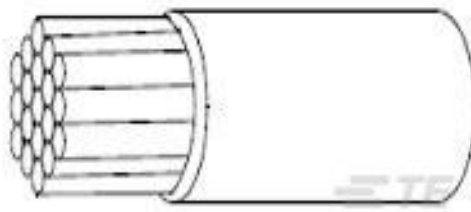


Wire-to-Board Headers & Receptacles (114)

Customers Also Bought



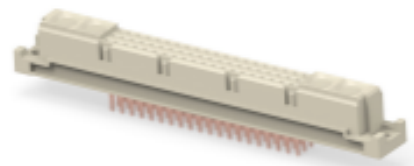
TE Part #62395-1
110 FASTON TAB TPBR



TE Part #216005-007
55A0111-20-9



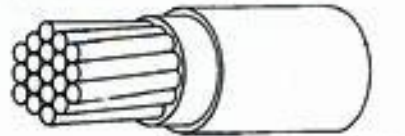
TE Part #1462037-1
IM01GR=IM RELAY 140mW 3V



TE Part #254062-E
STVM 60-4 F ABC VV 7-00 EE 5,5 * 247 E0



TE Part #8-188275-6
MICRO-MATCH SMD FTE



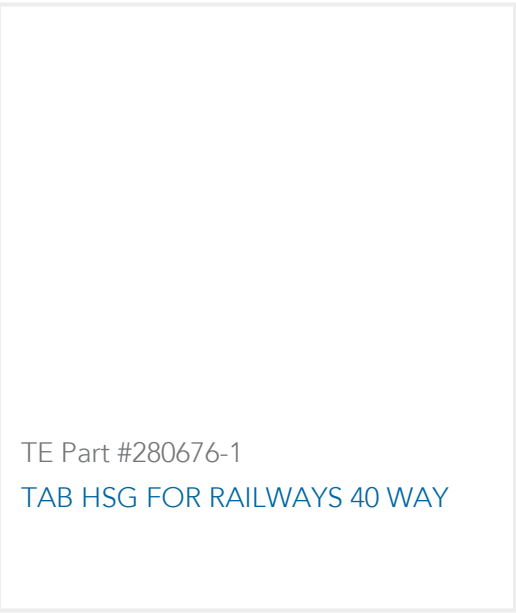
TE Part #2820033008
44A0111-16-3



TE Part #1658694-3
AMP-LATCH UNV HDR,40 POSN,VERT



TE Part #2-1879747-5
RP 1J 113K 0.1% 15PPM CUT LENGTH



Documents

Product Drawings

40 MODII HDR DRST UNSHRD .100

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-87227-0_L.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-87227-0_L.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-87227-0_L.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

English