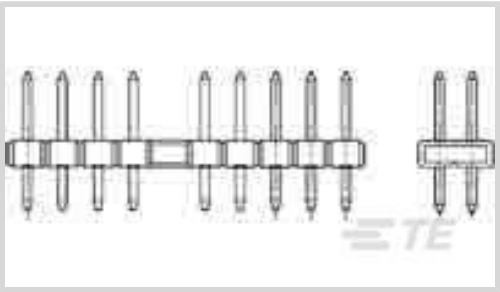




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **20**

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
Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	20
Number of Rows	2

Electrical Characteristics

Operating Voltage	200 VAC
Dielectric Withstanding Voltage (Max)	650 VAC

Body Features

Primary Product Color	Black
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Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.203 μm[8 μin]
Mating Square Post Dimension	.5 mm[.02 in]
	78.74 μin
Contact Shape & Form	Square
Contact Mating Area Length	4 mm[.158 in]
Contact Base Material	Brass
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

Termination Post & Tail Diameter	.6 mm[.024 in]
Termination Post & Tail Length	2.6 mm[.102 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 mm[.079 in]

Dimensions

Row-to-Row Spacing	2 mm[.079 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	44.45 mm[1.75 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

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

Packaging Features

Packaging Quantity	750
Packaging Method	Package

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: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°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 # 8-1470209-3
RCPT,2MM,20P,VRT MT,30AU,2.6ST



TE Part # 3-1470209-3
RCPT,2MM,20P,VRT MT,8AU,2.6ST

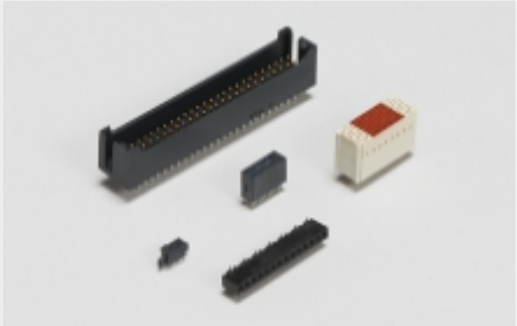


TE Part # 1-111626-9
20, 2MM, 30 DP, LEAD FREE



TE Part # 2-111623-1
20, 2MM, POL,30 DP, LEAD FREE

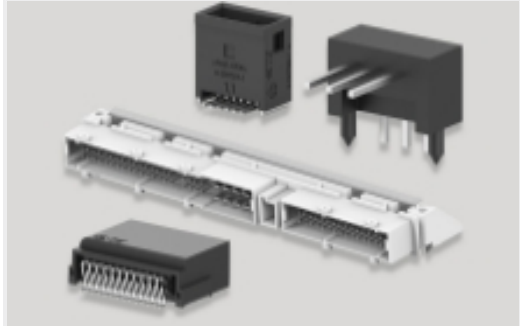
Also in the Series | AMPMODU 2 mm



Board-to-Board Headers & Receptacles(8160)



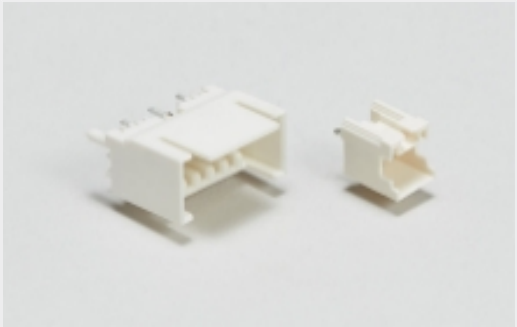
Connector Contacts(27)



PCB Headers & Receptacles(8190)

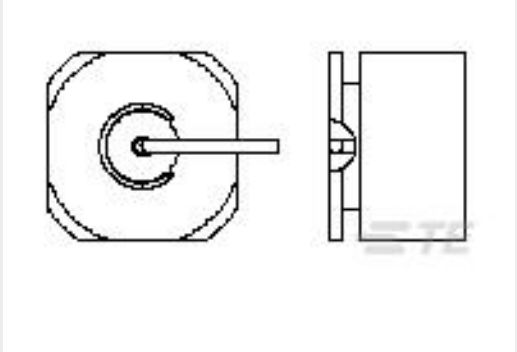


Wire-to-Board Connector Assemblies & Housings(202)



Wire-to-Board Headers & Receptacles (1037)

Customers Also Bought



TE Part #1757253-1
SMPM SURFACE MOUNT



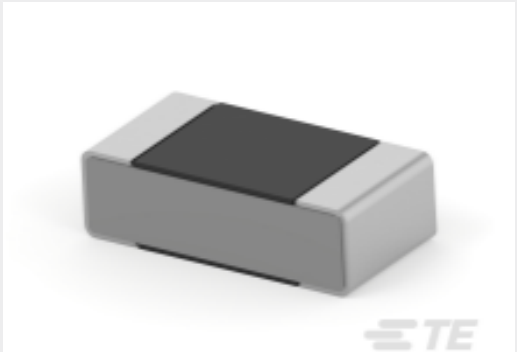
TE Part #4-1879211-6
CPF 0402 4K99 0.1% 25PPM 5K RL



TE Part #42197-2
205 FASTON REC 22-18 AWG TPBR



TE Part #384471-E
SRCA 2,54 4 M 1 SMD 137 E1 094 * GURT *



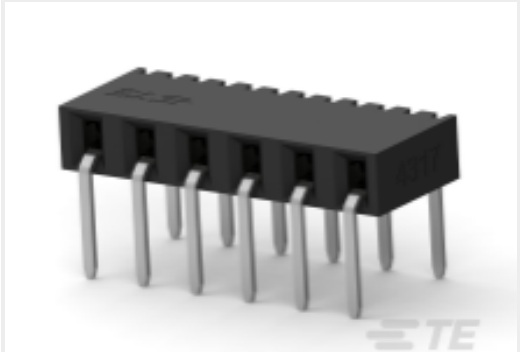
TE Part #2176236-2
CPF A 0402 100R 0.1% 25PPM 5K RL



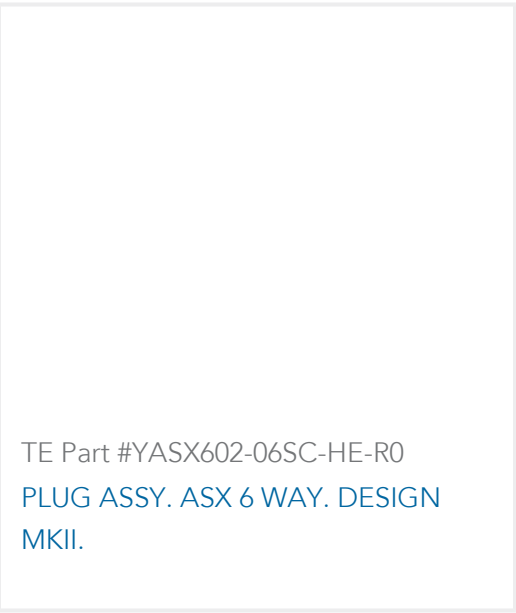
TE Part #9-1625868-1
RP 2A 0.25W 46R4 0.1% 25PPM 1K RL



TE Part #1-1123723-5
3.96 EP HDR ASSY 5P(NATURAL)



TE Part #2314928-6
6P,2MM,B-B,REC,SRHZ,2.1,0.1AU,TB



Documents

Product Drawings

AMPMODU 2MM V 20P AU:0.2 BLACK LF

English

CAD Files

Customer View Model

ENG_CVM_5176264-9_O1.3d_igs.zip

English

Customer View Model

ENG_CVM_5176264-9_O1.3d_stp.zip

English

Customer View Model

ENG_CVM_5176264-9_O1.2d_dxf.zip

English

3D PDF

English

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

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION3AND4

English