

87160-6 ✓ ACTIVE

AMPMODU | AMPMODU MOD 1

TE Internal #: 87160-6

PCB Mount Header, Vertical, Board-to-Board / Wire-to-Board, 4 Position, 3.96 mm [.156 in] Centerline, Breakaway, Tin-Lead, AMPMODU MOD 1

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

Connector System: **Board-to-Board, Wire-to-Board**

Number of Positions: **4**

Number of Rows: **1**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board, Wire-to-Board
Header Type	Breakaway
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	4
Number of Rows	1
Board-to-Board Configuration	Parallel

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	1200 VAC
Contact Resistance	12 mΩ

Body Features

Primary Product Color	Black
-----------------------	-------

Contact Features

Contact Mating Area Length	10.29 mm[.405 in]
	100 – 200 μin



Mating Tab Width	1.6 mm[.063 in]
Mating Tab Thickness	.79 mm[.031 in]
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin-Lead
Contact Mating Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
Contact Type	Pin
Contact Current Rating (Max)	5 A

Termination Features

Rectangular Termination Post & Tail Thickness	.79 mm[.031 in]
Rectangular Termination Post & Tail Width	.89 mm[.035 in]
Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
Housing Material	Nylon

Dimensions

PCB Thickness (Recommended)	1.79 mm[.07 in]
-----------------------------	-----------------

Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
-----------------------------	----------------------------

Operation/Application

Circuit Application	Power & Signal
---------------------	----------------

Industry Standards

Agency/Standard	CSA, UL
Approved Standards	CSA LR16455, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	252
Packaging Type	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	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Pb (13% in Component Part) 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



Also in the Series | AMPMODU MOD 1



Automotive Terminals(6)



Board-to-Board Connector Contacts (107)



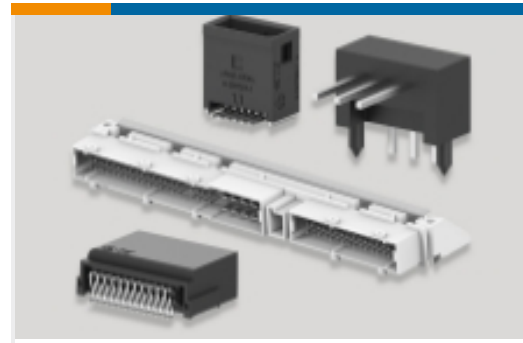
Board-to-Board Jumpers & Shunts(5)



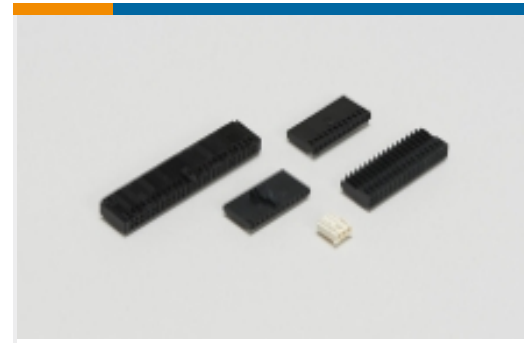
Insertion & Extraction Tools(1)



PCB Connector Keying(2)



PCB Headers & Receptacles(358)



Wire-to-Board Connector Assemblies & Housings(44)



Wire-to-Board Connector Contacts(2)

Customers Also Bought



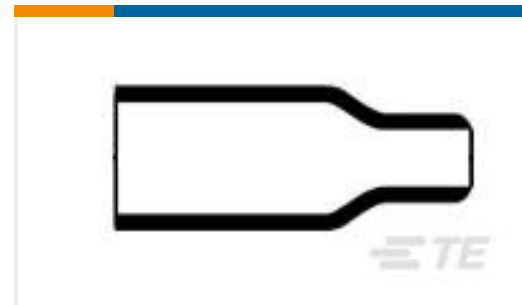
TE Part #1-440055-6
2.0MM,HDR,16POS,R/A



TE Part #T4161420005-005
RPC-M12-FR-5CON-PUR-5.0SH



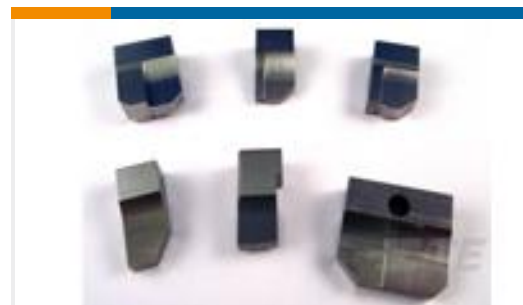
TE Part #CP2523-000
RT-780-1/2-3-SP



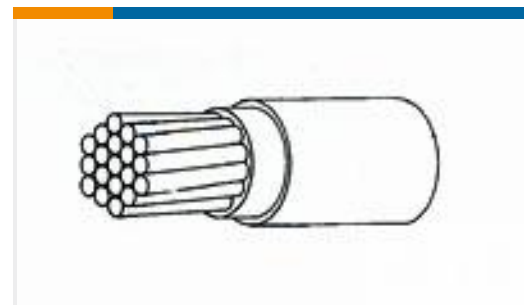
TE Part #819601-000
202A333-4/42-0



TE Part #58570-1
PROCrimp HT&D JR POWER TIMER



TE Part #1-1333207-3
ANVIL, COMBINATION .110



TE Part #280234-000
22759/43-22-2



CRIMPER REPRESENTATION ONLY

TE Part #4-1633966-9
CRIMPER,INSULATION O



TE Part #767143-2
MICT,R/A,RCPT,076,ASY,062,30AU



TE Part #87160-9
08 MODI HDR SRST .156CL



Documents

Product Drawings

[04 MODI HDR SRST .156CL](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_87160-6_U1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_87160-6_U1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_87160-6_U1.2d_dxf.zip](#)

English

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

Product Specifications

[Product Specification](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

[AMPMODU HEADER ASSEMBLIES \(WITH MOD I POSTS\)](#)

English