

2-87160-0 ✓ ACTIVE

AMPMODU | AMPMODU MOD 1

TE Internal #: 2-87160-0

PCB Mount Header, Vertical, Board-to-Board / Wire-to-Board, 20
Position, 3.96 mm [.156 in] Centerline, Breakaway, Tin-Lead,
AMPMODU MOD 1

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **20**

Number of Rows: **1**

Features

Dimensions

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

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

Packaging Features

Packaging Quantity	50
Packaging Method	Carton

Industry Standards

Compatible With Agency/Standards Products	UL, CSA
Compatible With Approved Standards Products	UL E28476, CSA LR16455
UL Flammability Rating	UL 94V-0

Mechanical Attachment

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

Termination Features



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

Contact Features

Contact Mating Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
Mating Tab Width	1.6 mm[.063 in]
	100 – 200 µin
Contact Mating Area Length	10.29 mm[.405 in]
Contact Base Material	Brass
Mating Tab Thickness	.79 mm[.031 in]
Contact Mating Area Plating Material	Tin-Lead
Contact Type	Pin
Contact Current Rating (Max)	5 A

Housing Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
Board-to-Board Configuration	Parallel
PCB Mount Orientation	Vertical
Number of Positions	20
Number of Rows	1

Product Type Features

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

Body Features

Primary Product Color	Black
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Usage Conditions

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

Circuit Application

Signal

Other

EU RoHS Compliance

Not Compliant

EU ELV Compliance

Compliant with Exemptions

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 2024 (241)

Candidate List Declared Against: JUNE 2024 (241)

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.

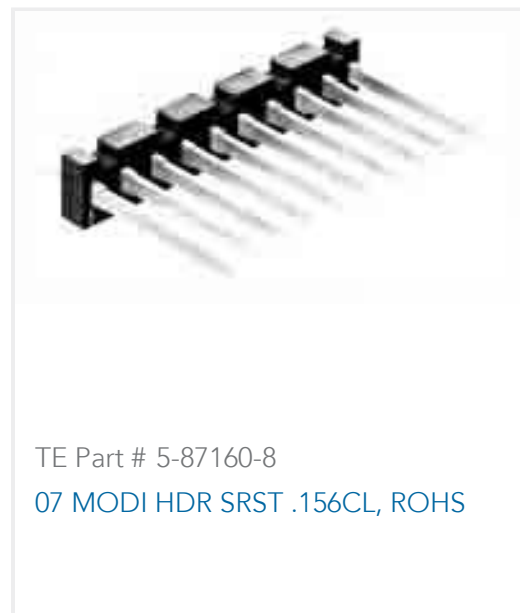
Solder Process Capability

Wave solder capable to 240°C

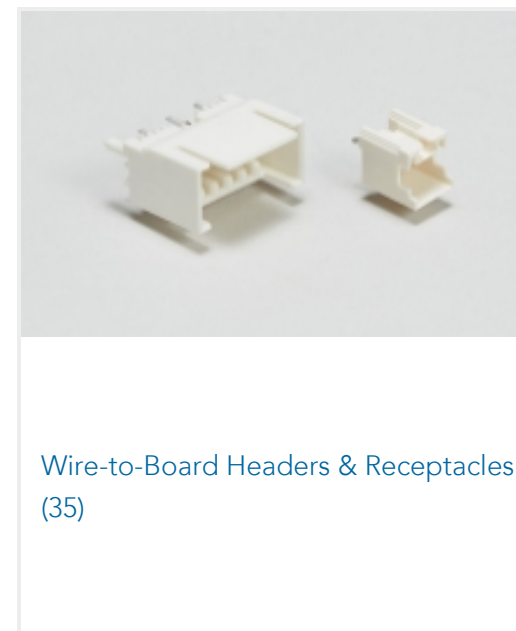
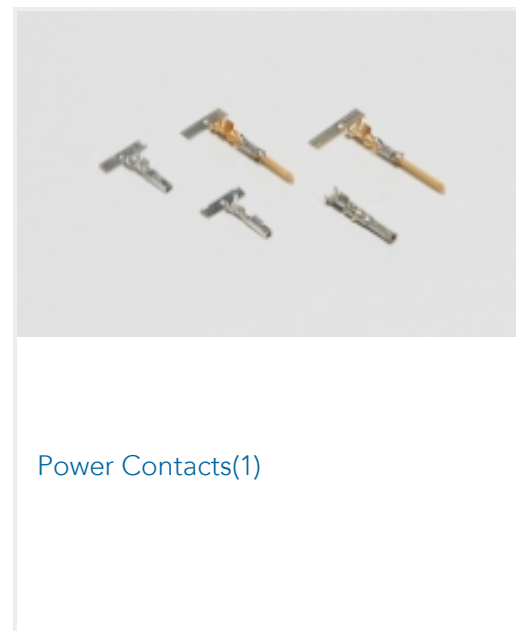
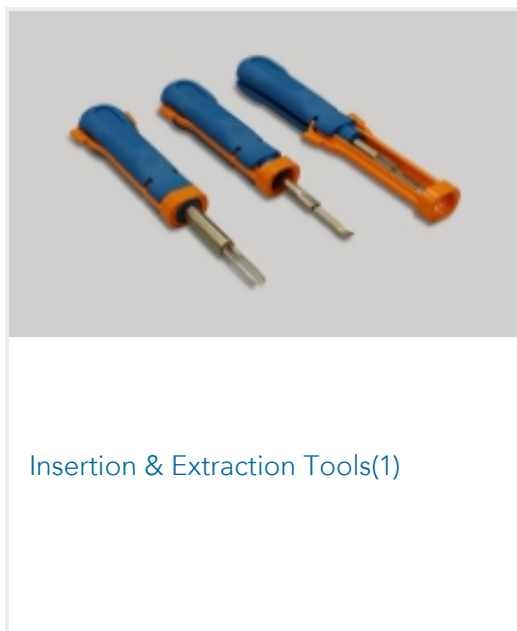
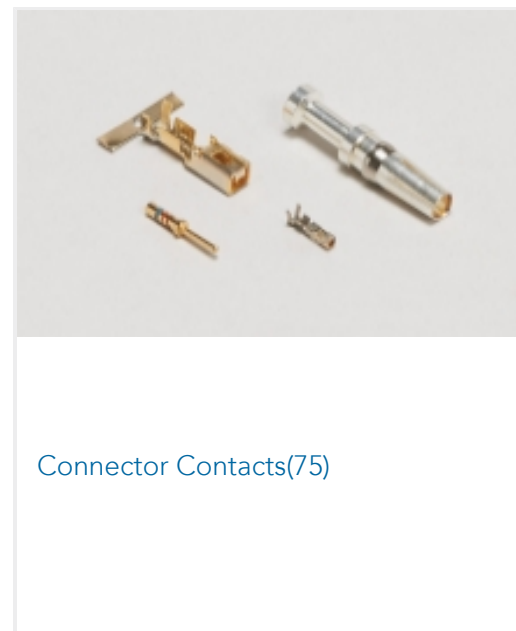
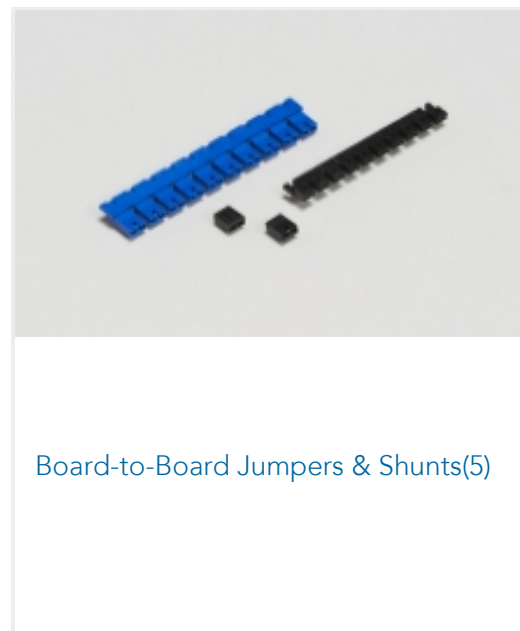
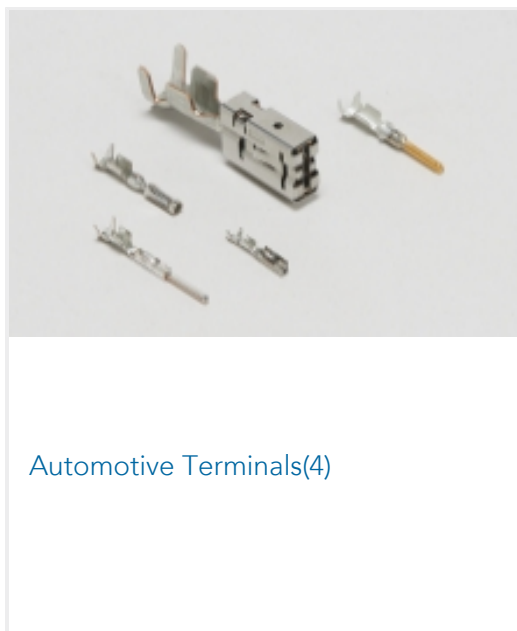
Product Compliance Disclaimer

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>

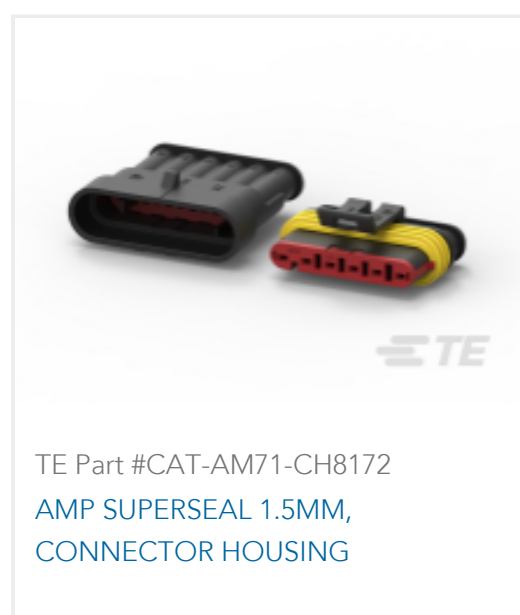
Compatible Parts



Also in the Series | AMPMODU MOD 1



Customers Also Bought





Documents

Product Drawings

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

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_2-87160-0_U1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_2-87160-0_U1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_2-87160-0_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