

87986-4 ✓ ACTIVE

AMPMODU | AMPMODU MOD 1

TE Internal #: 87986-4

PCB Mount Receptacle, Vertical, Board-to-Board, 4 Position, .156 in [3.96 mm] Centerline, Fully Shrouded, Gold, Through Hole - Solder, AMPMODU MOD 1

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **4**

Number of Rows: **1**

## Features

### Product Type Features

Applied Pressure	Standard
PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Header Type	Fully Shrouded
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	4
Number of Rows	1
Board-to-Board Configuration	Parallel

### Electrical Characteristics

Insulation Resistance	5000 MΩ
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### Body Features

Primary Product Color	Black
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### Contact Features

Contact Layout	Inline
PCB Contact Termination Area Plating Material Thickness	1.27 μm[50 μin]



Mating Tab Width	1.58 mm[.062 in]
Mating Tab Thickness	.79 mm[.031 in]
PCB Contact Termination Area Plating Material	Gold Flash
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 $\mu$ m[30 $\mu$ in]
Contact Type	Socket
Contact Current Rating (Max)	5 A

### Termination Features

Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
Rectangular Termination Post & Tail Width	1.02 mm[.04 in]
Termination Post & Tail Length	2.85 mm[.112 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

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

### Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
Housing Material	PA66

### Dimensions

Connector Height	7.62 mm[.3 in]
PCB Thickness (Recommended)	1.4 – 1.78 mm[.055 – .07 in]

### Usage Conditions

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

Assembly Process Feature	None
Circuit Application	Signal

### Industry Standards

Approved Standards	CSA LR16455, UL E28476
UL Flammability Rating	UL 94V-2



## Packaging Features

Packaging Quantity	31
Packaging Type	Tube

## 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: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: 1,6,7,8,9,14,15,16,17,17,18,18-dodecachloropentacyclo [12.2.1.16,9.02,13.05,10]octadeca-7,15-diene (Dechlorane Plus) (17% in Component Part) <b>Article Safe Usage Statements:</b> Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. 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



TE Part # 1-86182-5  
MOD I POST LP

TE Part # 85829-4  
04 MOD I HDR SRST .156CL

TE Part # 87247-8  
08 MOD I HDR SRST .156CL

TE Part # 86182-8  
MOD I POST LP

TE Part # 87633-4  
04 MOD I HDR SRST .156CL

TE Part # 1-827235-1  
11P MOD1 STIFTLAIST

TE Part # 1-827235-6  
16P MOD1 STIFTLAIST

TE Part # 1-827873-6  
16P MOD1 UNSHRD HDR, P 5.08, ST, 0.8 Au

TE Part # 1-86147-2  
MOD I POST PLTD 30 AU

TE Part # 1-86147-5  
MOD I POST PLTD 30 AU

TE Part # 1-86147-8  
MOD I POST PLTD 30 AU

TE Part # 1-86182-2  
MOD I POST LP

TE Part # 1-86182-8  
MOD I POST LP

TE Part # 4-86147-2  
MOD I POST PLTD 30 AU

TE Part # 827235-8  
8P MOD1 STIFTLAIST

TE Part # 827235-9  
9P MOD1 STIFTLAIST

TE Part # 827872-9  
9P MOD1 UNSHRD HDR, P 5.08, ST, 0.8 Au

TE Part # 85839-4  
04 MOD I HDR SRST .156CL

TE Part # 85923-4  
04 MOD I HDR SRST .156CL

TE Part # 86147-7  
MOD I POST PLTD 30 AU

Also in the Series | **AMPMODU MOD 1**



Automotive Terminals(6)

Board-to-Board Connector Contacts  
(104)

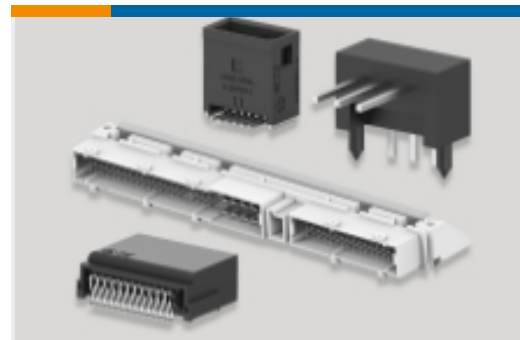
Board-to-Board Jumpers &amp; Shunts(5)



Insertion &amp; Extraction Tools(1)



PCB Connector Keying(2)

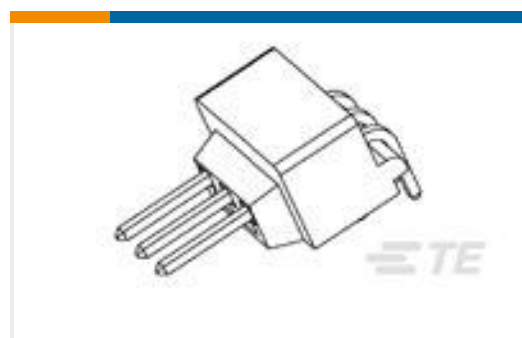


PCB Headers &amp; Receptacles(372)

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

Wire-to-Board Connector Contacts(2)

## Customers Also Bought

TE Part #936531-2  
025 SLD 3P HDR ASSY

## Documents

### Product Drawings

04 MOD1 BDMNT RCPT SR .156CL

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_87986-4\\_P.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_87986-4\\_P.3d\\_igs.zip](#)

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Customer View Model

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English

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**Datasheets & Catalog Pages**

[AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTION\\_6\\_7AND8](#)

English

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**Product Specifications**

[Product Specification](#)

English