



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **16**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

Board-to-Board Configuration	Parallel
Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	16
Number of Rows	1

Electrical Characteristics

Insulation Resistance	5000 MΩ
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Body Features

Primary Product Color	Black
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Contact Features

Contact Mating Area Plating Material Thickness	2.01 μm[79 μin]
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Mating Tab Width	1.58 mm[.062 in]
PCB Contact Termination Area Plating Material Thickness	2 µm[79 µin]
Contact Layout	Inline
Contact Base Material	Phosphor Bronze
Mating Tab Thickness	.79 mm[.031 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Socket
Contact Current Rating (Max)	5 A

Termination Features

Rectangular Termination Post & Tail Width	1.02 mm[.04 in]
Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
Termination Post & Tail Length	2.85 mm[.112 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

Mating Entry Location	Bottom
Housing Material	PA 66
Centerline (Pitch)	3.96 mm[.156 in]

Dimensions

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



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

Packaging Features

Packaging Quantity	7
Packaging Method	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: 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 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 # 5086147-1
MOD I POST PLTD SN, ROHS

TE Part # 5086147-9
MOD I POST PLTD SN, ROHS

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

TE Part # 1-5086147-0
MOD I POST PLTD SN, ROHS

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

TE Part # 2-5086182-2
MOD I POST LP, ROHS

TE Part # 86182-7
MOD I POST LP

TE Part # 5086147-2
MOD I POST PLTD SN, ROHS

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

TE Part # 3-5086147-7
MOD I POST PLTD SN, ROHS

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

TE Part # 2-5086147-2
MOD I POST PLTD SN, ROHS

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

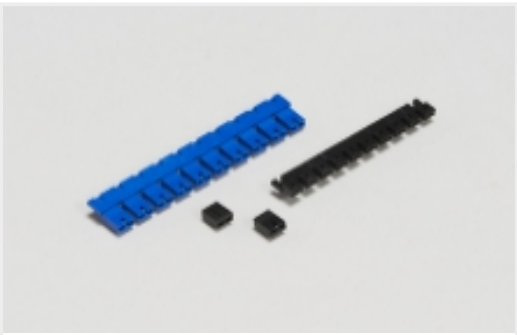
TE Part # 1-86182-8
MOD I POST LP

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

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

TE Part # 86182-8
MOD I POST LP

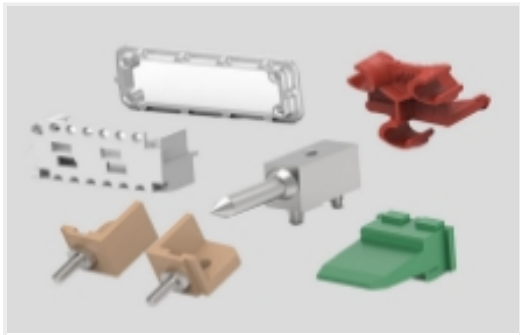
Also in the Series | **AMPMODU MOD 1**



[Board-to-Board Jumpers & Shunts\(5\)](#)



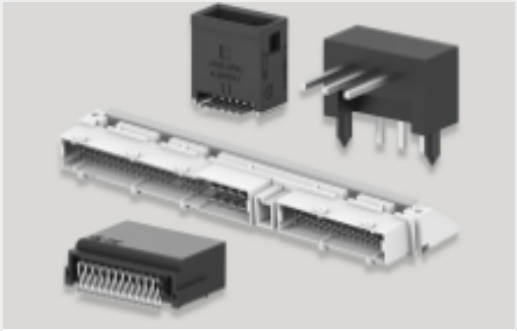
[Connector Contacts\(75\)](#)



[Connector Hardware\(2\)](#)



[Insertion & Extraction Tools\(1\)](#)



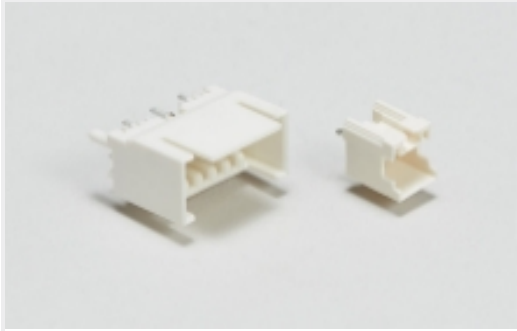
[PCB Headers & Receptacles\(105\)](#)



[Power Contacts\(1\)](#)



[Rectangular Power Connectors\(20\)](#)



[Wire-to-Board Headers & Receptacles \(35\)](#)

Customers Also Bought



[TE Part #3-643815-6](#)
[06P MTA100 CONN ASSY POL RIB](#)



[TE Part #3-640442-4](#)
[04P MTA100 CONN ASSY BLU](#)



[TE Part #205206-9](#)
[CRIMP SNAP PLUG ASSY,SIZE 2](#)



[TE Part #5-103944-1](#)
[8X2 MTE SHRD PIN SR POL .100CL](#)

Documents

Product Drawings

[16 MODI BDMNT RCPT SR .156CL](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1-87993-6_S.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-87993-6_S.3d_igs.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-87993-6_S.2d_dxf.zip](#)

English

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Product Specifications

Product Specification

English