



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: **12**

Number of Rows: **2**

Features

Product Type Features

Applied Pressure	Standard
PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	12
Number of Rows	2
Board-to-Board Configuration	Parallel

Electrical Characteristics

Termination Resistance	12 mΩ
Dielectric Withstanding Voltage (Max)	750 VAC
Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

Body Features

Connector Profile	Standard
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Primary Product Color	Black
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Contact Features

Contact Protection Type	Closed Entry Housing
Mating Square Post Dimension	.64 mm[.025 in]
	150 - 300 µin
Contact Shape & Form	Single Tine
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.762 µm[30 µin]
Contact Type	Socket
Contact Current Rating (Max)	2 A

Termination Features

Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Rectangular Termination Post & Tail Width	.69 mm[.027 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

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

Housing Features

Mating Entry Location	Bottom & Top
Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	Polyester - GF

Dimensions

Connector Height	6.73 mm[.265 in]
Row-to-Row Spacing	2.54 mm[.1 in]
Stack Height	10.62 mm[.418 in]
PCB Thickness (Recommended)	1.4 - 2.4 mm[.055 - .094 in]

Usage Conditions

Housing Temperature Rating	High
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Operating Temperature Range

-65 - 125 °C[-85 - 257 °F]

Operation/Application

Solder Process Feature	Board Standoff
Assembly Process Feature	Vacuum Cover
Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	250
Packaging Method	Reel

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 260°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



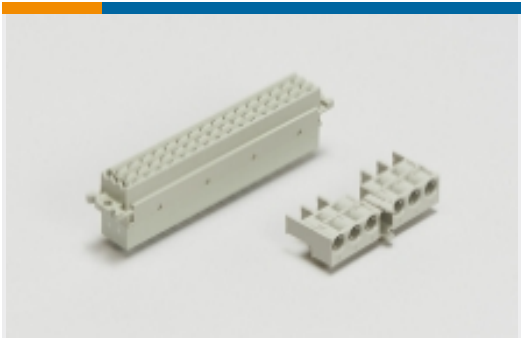
TE Part # 86286-1

KEYING PLUG

Also in the Series | AMPMODU IV/V



Automotive Housings(1)



Backplane Connector Housings(1)



Connector Caps & Covers(18)



Connector Contacts(321)



Connector Hardware(13)



Connector Strain Relief(3)



Insertion & Extraction Tools(4)



PCB Headers & Receptacles(931)



Rectangular Connector Housings(5)



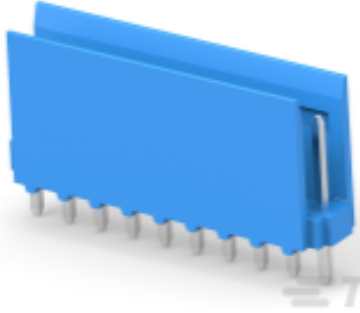
Standard Rectangular Connectors(8)



Wire-to-Board Connector Assemblies & Housings(444)

Customers Also Bought





TE Part # 281695-5
HE13/HE14 TH Headers, SRST



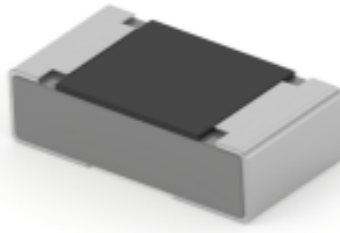
TE Part # 2007198-2
SFP+ 1x1 Cage Assembly, Press-Fit



TE Part # 1586134-1
05P UMNL PIN HDR V2 NATL NDH



TE Part # 1-1879352-5
RR02 5% 1R2 AMMO



TE Part # 3-2176481-4
RA73F 1J 13K 0.1% 5K RL



TE Part # ANT-916-SP
Antenna SP PCB RPC 916MHz SMT

Documents

Product Drawings

12 MODIV VRT DR SFMNT 30AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-147105-6_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-147105-6_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-147105-6_K.3d_stp.zip

English

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

Product Specifications

Application Specification

English