



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **12**

Number of Rows: **2**

Centerline (Pitch): **2.54 mm [.1 in]**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	333 VAC
Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	750 VAC

Body Features

Connector Profile	Low
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Primary Product Color	Black
Contact Features	
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	3.81 – 7.62 µm
Contact Shape & Form	Round
Contact Protection Type	Closed Entry Housing
Contact Mating Area Length	3.77 mm[.148 in]
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material Thickness	.762 µm[30 µin]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	2 A
Termination Features	
Rectangular Termination Post & Tail Width	.7 mm[.028 in]
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
Connector Mounting Type	Board Mount
Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	Without
Housing Features	
Mating Entry Location	Top
Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	Thermoplastic
Dimensions	
Connector Height	5.03 mm[.198 in]
Row-to-Row Spacing	2.54 mm[.1 in]
Stack Height	9.02 mm[.355 in]
PCB Thickness (Recommended)	1.57 mm[.055 – .094 in]



Usage Conditions

Housing Temperature Rating	Standard
Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	37
Packaging Method	Box, Tube

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	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (13% in 4690948374) 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



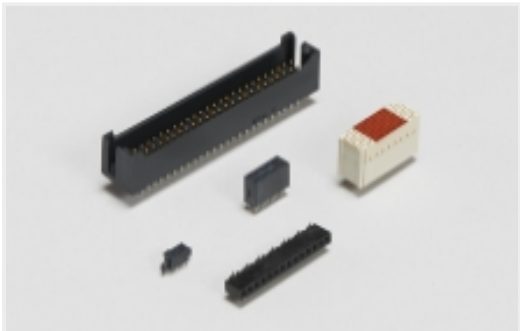
as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

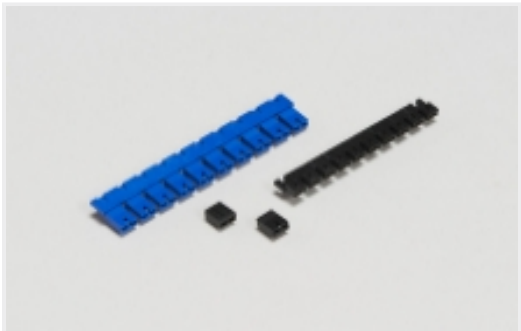


TE Part # 86286-1
KEYING PLUG

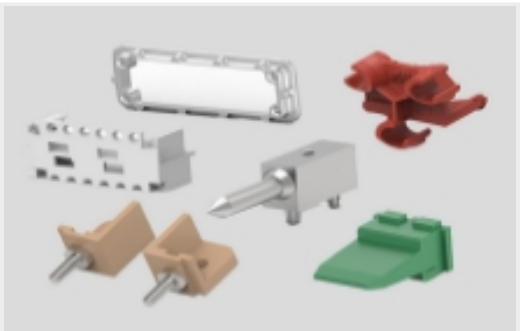
Also in the Series | Modu Connector System



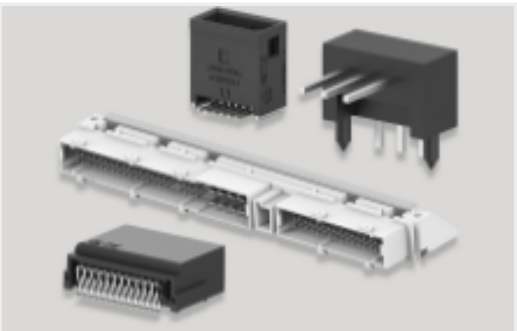
Board-to-Board Headers & Receptacles(235)



Board-to-Board Jumpers & Shunts(5)



Connector Hardware(3)



PCB Headers & Receptacles(235)

Customers Also Bought



TE Part #GA10K4A1A
DISCRETE 10K OHMS,+/-0.1C FROM 0C TO 70C



TE Part #5-146253-8
16 MODII HDR DRST B/A .100CL LF



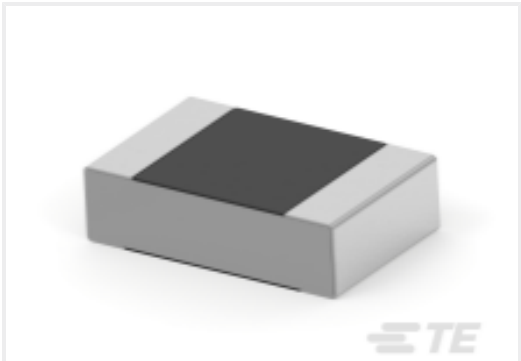
TE Part #3-641239-8
08P MTA100 CONN ASSY BLU LF



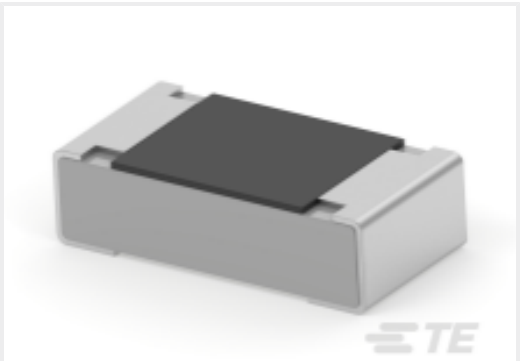
TE Part #2-1437661-9
TC6-03-PFH=COVER w/HOLES



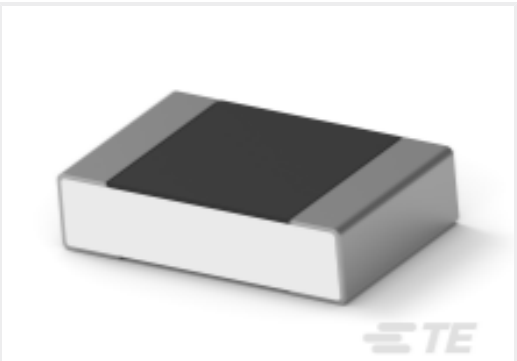
TE Part #8-1625868-0
RP 2A 0.25W 35R7 0.1% 25PPM 1K RL



TE Part #5-2176238-6
CPF A 0805 25K 0.1% 25PPM 5K RL



TE Part #1-2176340-9
CRGCQ 0603 1K0 5%



TE Part #2176381-1
RQ 0805 12K4 0.1% 10PPM 5K RL



TE Part #9-2176573-7
[RLC73PD 2A R665 1% 5K RL](#)



TE Part #2199230-4
[M.2 0.5PITCH 4.2H KEY E 15U" AU](#)

Documents

Product Drawings

[12 MODIV VRT DR CE 100/125](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_534998-6_R.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_534998-6_R.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_534998-6_R.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