

448007-1

✓ ACTIVE

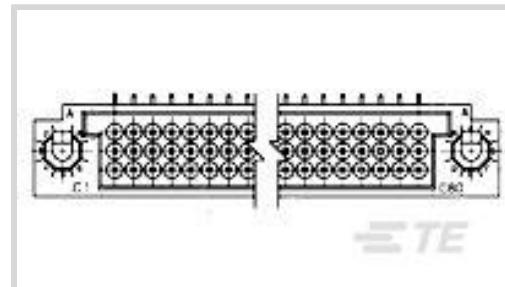
AMP

TE Internal #: 448007-1

PCB Mount Header, Right Angle, Board-to-Board, 180 Position,
 2.54 mm [.1 in] Centerline, Partially Shrouded, Gold (Au), Through
 Hole - Solder, Signal

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles

PCB Connector Assembly Type: **PCB Mount Header**PCB Mount Orientation: **Right Angle**Connector System: **Board-to-Board**Number of Positions: **180**Number of Rows: **3**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Stackable	No
PCB Mount Orientation	Right Angle
Number of Positions	180
Number of Rows	3

Body Features

Primary Product Color	Brown
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Contact Features

Contact Mating Area Plating Material Thickness	.76 μm [30 μin]
Mating Square Post Dimension	.64 mm[.025 in]
Contact Layout	Matrix
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin-Lead

Contact Mating Area Plating Material	Gold (Au)
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Contact Type	Pin
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Contact Current Rating (Max)	3 A
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Termination Features

Rectangular Termination Post & Tail Width	.5 mm[.02 in]
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Rectangular Termination Post & Tail Thickness	.4 mm[.016 in]
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Termination Post & Tail Length	3.55 mm[.14 in]
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Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

PCB Mount Retention Type	Mounting Hole
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Mating Alignment Type	Polarized
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PCB Mount Retention	Without
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Connector Mounting Type	Panel Mount
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Mating Alignment	With
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Housing Features

Housing Material	Polyphenylene Sulfide (PPS)
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Centerline (Pitch)	2.54 mm[.1 in]
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Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
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Stack Height	15.24 mm[.6 in]
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PCB Thickness (Recommended)	1.57 mm[.062 in]
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Connector Height	12.57 mm[.496 in]
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Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]
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Operation/Application

Assembly Process Feature	None
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Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1
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Packaging Method	Package
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Product Compliance

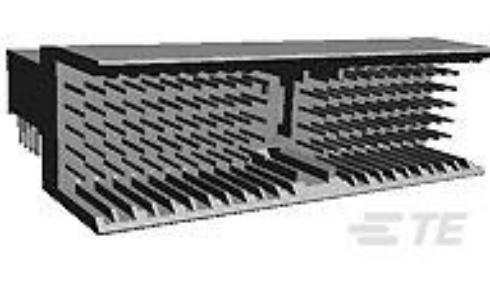
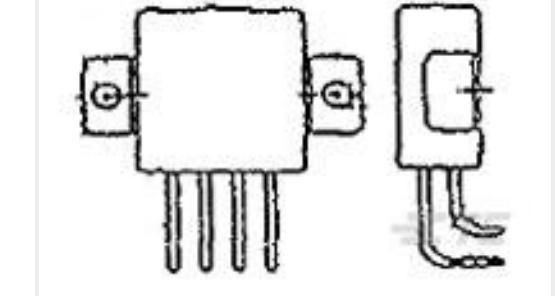
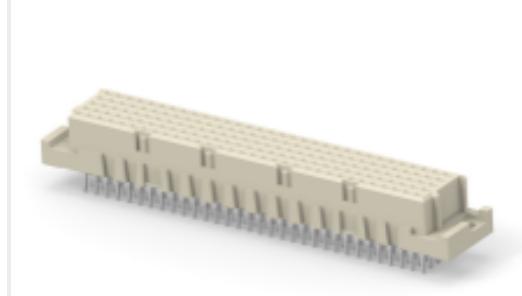
For compliance documentation, visit the product page on TE.com>

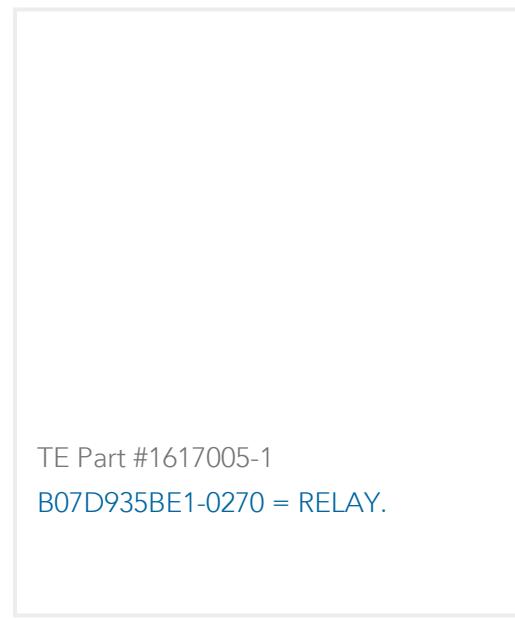
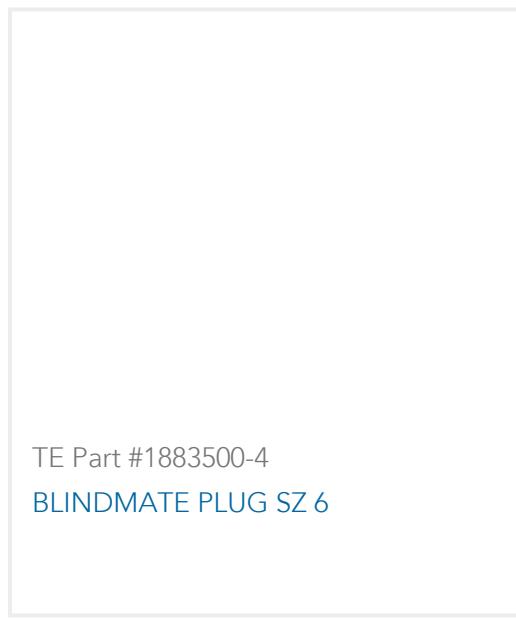
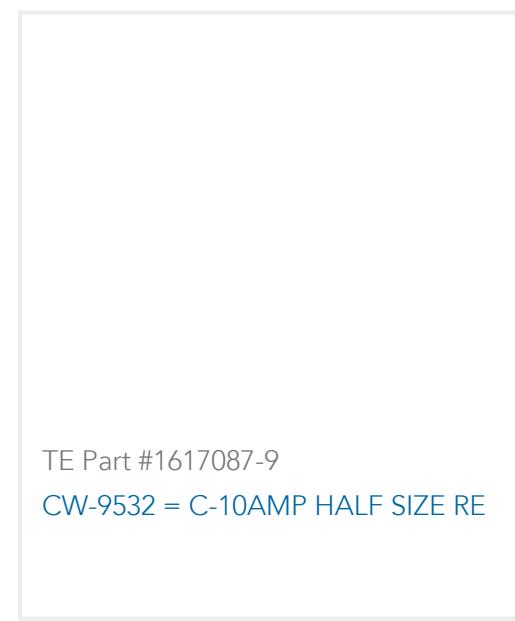
EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (5% in plating) <small>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.</small>
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Pin-in-Paste 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>

Customers Also Bought

 TE Part #106014-1 Z-PACK/B RAMH.125P.	 TE Part #535032-5 096 EURO TYPE C RECEPT AP ASSY	 TE Part #5-1617786-8 FCB-205-0227L=M83536/2-027L	 TE Part #254839-E STVE 160 F ABCDE VVVV 7-00 EE 5,5 * 137
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Documents

Product Drawings

3 ROW BOX PIN 180 POS R/A

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_448007-1_K_c-448007-1-k.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_448007-1_K_c-448007-1-k.3d_jgs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_448007-1_K_c-448007-1-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