



Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**
PCB Mount Orientation: **Vertical**
Connector System: **Board-to-Board**
Number of Positions: **300**
Centerline (Pitch): **1.27 mm [.05 in]**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Rows	4
Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	300

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	600 VAC
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Contact Features

Contact Layout	Staggered
Mating Square Post Dimension	.4 mm[.016 in]
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Beryllium Copper
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	1.27 µm[50 µin]



Contact Type	Socket
Contact Current Rating (Max)	1.5 A

Termination Features

Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Rectangular Termination Post & Tail Width	.23 mm[.009 in]
Termination Post & Tail Length	5.46 mm[.215 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention Type	Mounting Hole
Mating Alignment	With
Mating Alignment Type	Keyed
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	1.27 mm[.05 in]
Housing Color	Gray
Housing Material	LCP (Liquid Crystal Polymer)

Dimensions

Connector Height	7.1 mm[.278 in]
Row-to-Row Spacing	2.54 mm[.1 in]
Stack Height	15.24 mm[.6 in]
PCB Thickness (Recommended)	.05 – .07 mm[.054 – .07 in]

Usage Conditions

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

Assembly Process Feature	None
Circuit Application	Power & Signal

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

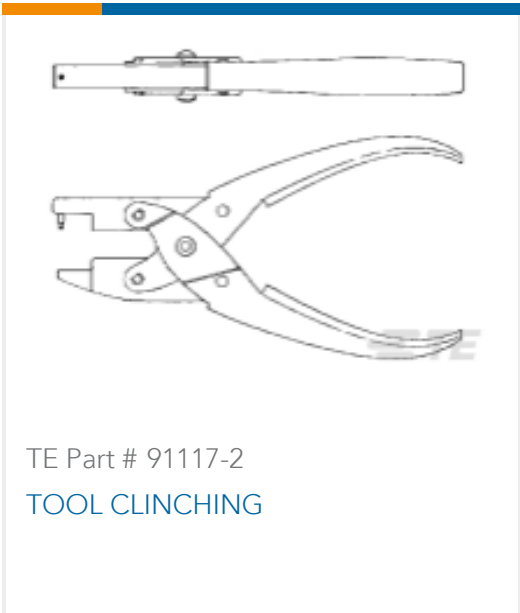
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2019 (197) SVHC > Threshold: Pb (4% in Plating) 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 Yet Reviewed for halogen content
Solder Process Capability	Wave solder capable to 265°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



Customers Also Bought



TE Part #1676238-3
RN 0805 1K62 0.1% 10PPM 5KRL

TE Part #449619-3
MINI BOX PIN HDR 4 RW KIT

TE Part #2-1624292-1
SP1 475R 0.1% TAPED

TE Part #1-531715-1
KIT COMBO GUIDE/KEYING PIN, INSERT

TE Part #1996725-2
GPRB2 PLUG,13P1/40P,w/ R/A CONTACTS

TE Part #1996725-3
GPRB2 PLUG,13P1/40P,w/ R/A CONTACTS

TE Part #533603-2
BOX, RCPT,ASSY,W/KEYING,40 POS

TE Part #85865-4
MOD II MACH APL CONT L.P.

TE Part #ZPF000000000202465
DMC-M 80 B 00-01 A1064

TE Part #5-1879617-6
H8 2K0 1% 15PPM

Documents

Product Drawings
MINI-BOX 4 RW RECP ASSY 300P

English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_448445-5_G.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_448445-5_G.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_448445-5_G.3d_stp.zip
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

448445-5

PCB Mount Receptacle, Vertical, Board-to-Board, 300 Position, 1.27mm [.05in]
Centerline, Gold, Sealable, Printed Circuit Board



Products for Aerospace and Defense

English