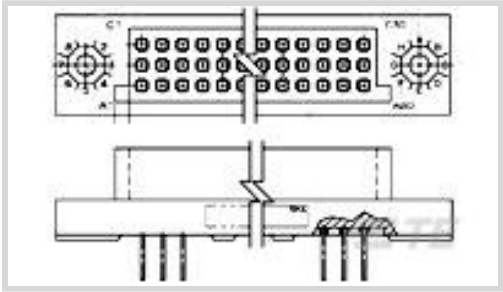




Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **120**

Centerline (Pitch): **2.54 mm [.1 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	3
Number of Columns	40
Number of Loaded Positions	120
Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	120
Board-to-Board Configuration	Perpendicular

Contact Features

Contact Layout	Matrix
Mating Square Post Dimension	.64 mm[.025 in]
	100 μin
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)	3 A

Termination Features

Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
Rectangular Termination Post & Tail Width	.51 mm[.02 in]
Termination Post & Tail Length	4.95 mm[.195 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Height	11.43 mm[.45 in]
Connector Width	12.57 mm[.495 in]
Row-to-Row Spacing	2.54 mm[.1 in]
Stack Height	15.24 mm[.6 in]

Usage Conditions

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

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features



Packaging Quantity	1
Packaging Method	Package

Other

Comment	Also see 531134-3 unsealed version.
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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: JUN 2020 (209) SVHC > Threshold: Pb (.6% in Component Part) 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	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>

Compatible Parts



Customers Also Bought



Documents

Product Drawings
3ROW BOX REC 120P 100CL SEALED
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_446853-3_D.2d_dxf.zip

446853-3

PCB Mount Receptacle, Vertical, Board-to-Board, 120 Position, 2.54mm [.1in]
Centerline, Gold, Sealable, Printed Circuit Board



English

Customer View Model

[ENG_CVM_CVM_446853-3_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_446853-3_D.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[Products for Aerospace and Defense](#)

English