



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **16**

Number of Rows: **2**

Features

Product Type Features

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

PCB Mount Orientation	Vertical
Number of Positions	16
Number of Rows	2

Electrical Characteristics

Operating Voltage	50 VDC
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Body Features

Primary Product Color	Black
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Contact Features

Contact Underplating Material	Nickel
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Mating Pin Diameter	.5 mm[.02 in]
Contact Mating Area Plating Material Thickness	3 μm[118.11 μin]
Contact Layout	Matrix
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Receptacle
Contact Current Rating (Max)	.5 A

Termination Features

Rectangular Termination Post & Tail Width	1.8 mm[.07 in]
Rectangular Termination Post & Tail Thickness	.3 mm[.012 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Alignment Type	Polarized
PCB Mount Alignment Type	Boss
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Mating Entry Location	Top
Housing Material	Polyphenylene Sulfide (PPS)
Centerline (Pitch)	1.25 mm[.049 in]

Dimensions

Row-to-Row Spacing	1.25 mm[.049 in]
Connector Width	4.05 mm[.159 in]
PCB Thickness (Recommended)	.6 mm[.023 in]
Connector Height	3.4 mm[.133 in]
Connector Length	10.65 mm[.419 in]

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards



UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Bag
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Product Compliance

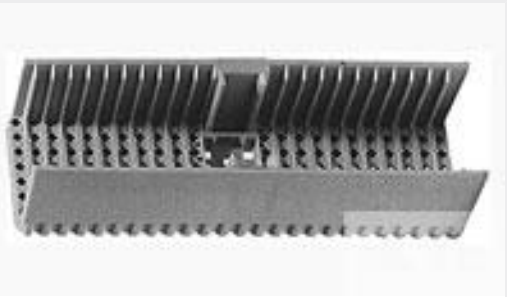
For compliance documentation, visit the product page on TE.com>

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 2025 (247) Candidate List Declared Against: JUN 2018 (191) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 245°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 #646478-7  
2MM H.M., "A" SHROUD, 4.9MM



TE Part #2-2170808-6  
QSFP28, 1X2, CAGE ASSY, SPRING, HS, LP



FREE, 2.5



TE Part #5-5175475-1  
.050CL CHAMP VERT RCPT 20 POS



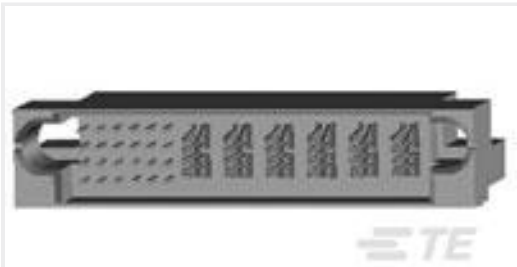
TE Part #1-1734044-1  
Centronics,RCPT 36P,R/A,PB



TE Part #1-6450162-4  
MBXL R/A RCPT 4P+24S



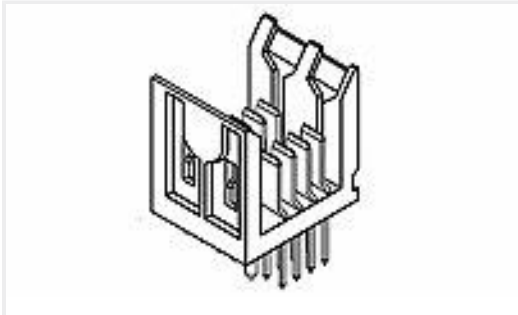
TE Part #6-146269-0  
20 MODII HDR DRST B/A 100 W/HD



TE Part #1-6450131-4  
MBXL R/A HDR 24S+6P



TE Part #2-2170747-6  
CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP



TE Part #5536623-1  
2MMFB, ASY, 008, PWR, HDR, SL, 4.25

Documents

Product Drawings

1.25FP,R16,DL,B,N,TR

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_4-175638-6\_F.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-175638-6\_F.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-175638-6\_F.3d\_stp.zip

English

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

Product Specifications

AMP 1.25mm F-P Connector (Board To Board)

Japanese

Product Specification

Japanese