



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **10**

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

Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	10
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
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	7.7 mm[.271 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

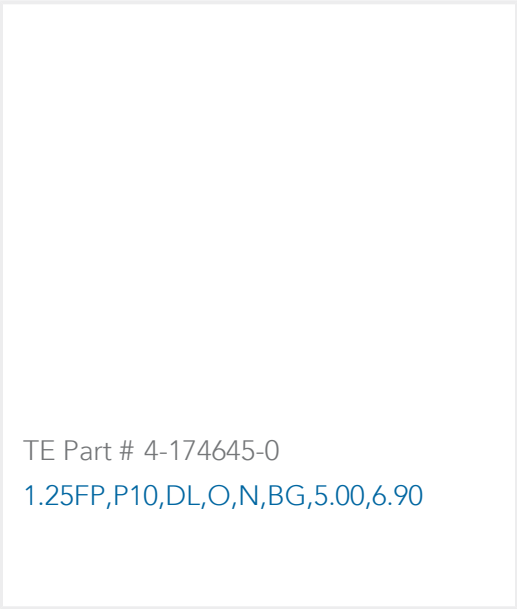
For compliance documentation, visit the product page on TE.com>

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: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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>

Compatible Parts



4-174639-0

PCB Mount Receptacle, Vertical, Board-to-Board, 10 Position, 1.25 mm [.049 in]
Centerline, Tin (Sn), Surface Mount, Signal, Black, Bag



Customers Also Bought

TE Part #1-770834-0
MINI UMNL SOK AU LF

TE Part #144662-E
MSPEED 50 F SMD F4 * AB VV 137 094
* * E

TE Part #3-1534797-1
AMP DUOPLUG MK2 CONNECTOR
11P

TE Part #6-1625890-4
2W SM M/OX 5% 680R

TE Part #354681-E
MSPEED 44 F SMD * 90BE AB VV 137
094 * 9

TE Part #1-292303-4
Std USB Type A, R/A, T/H

TE Part #254589-E
SMCQ 32 M AB VV 8-13 CL * H007 137
E005

TE Part #3-2301994-8
RJ45 JACK INT.MAG. 10/100 1X1 INV.

TE Part #5-1393788-8
V23079D1005B301

TE Part #1-2178710-0
10P, FOB , THT, MICRO-MATCH
VALUE LINE

Documents

Product Drawings
1.25FP,R10,DL,B,N,BG

English

CAD Files
Customer View Model
ENG_CVM_CVM_4-174639-0_J.2d_dxf.zip

English

3D PDF

3D

Customer View Model
ENG_CVM_CVM_4-174639-0_J.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_4-174639-0_J.3d_stp.zip

English

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

4-174639-0

PCB Mount Receptacle, Vertical, Board-to-Board, 10 Position, 1.25 mm [.049 in]
Centerline, Tin (Sn), Surface Mount, Signal, Black, Bag



Product Specifications

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

Japanese

Product Specification

Japanese