



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **10**

Number of Rows: **2**

Centerline (Pitch): **1.25 mm [.049 in]**

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
Number of Positions	10
Number of Rows	2
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	50 VDC
-------------------	--------

Body Features

Primary Product Color	Black
-----------------------	-------

Contact Features



Contact Underplating Material	Nickel
Mating Pin Diameter	.5 mm[.02 in]
Contact Layout	Matrix
Contact Mating Area Plating Material Thickness	3 μm[118.11 μin]
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

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

Housing Features

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

Dimensions

Connector Width	4.05 mm[.159 in]
Connector Height	3.4 mm[.133 in]
Connector Length	7.7 mm[.271 in]
Row-to-Row Spacing	1.25 mm[.049 in]
PCB Thickness (Recommended)	.6 mm[.023 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal
---------------------	--------



Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Packaging Features

Packaging Method	Bag
------------------	-----

Product Compliance

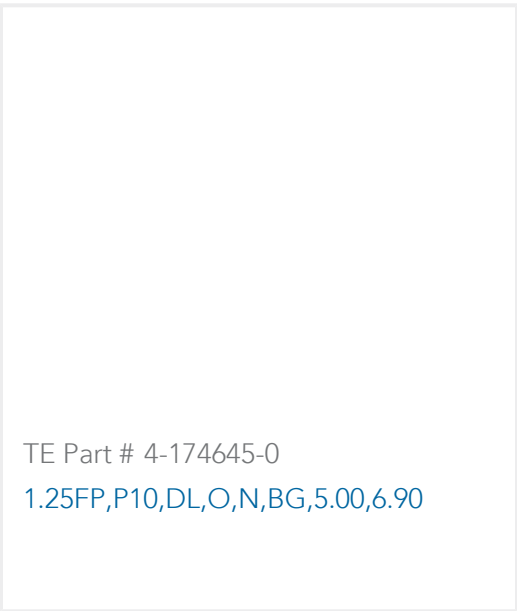
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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





Customers Also Bought

TE Part #154805-E
SMCB 12 F AB VV 7-13 CL * H007 137 E002

TE Part #T4171110004-001
M12,REAR MOUNTING,FEMALE,A,4P, 0.2M WIRE

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

TE Part #61831-1
WING TYPE STRAIN RELIEF TPST

TE Part #1-640388-0
10P MTA156 HDR ASSY RN STR F/L

TE Part #1571983-1
GDH02S04=DIP SWITCH

TE Part #7-1614722-6
CPF 1206 4K7 0.1% 25PPM 5K RL

TE Part #1825027-5
FSMRA2JH04=R/A,TACT PB SW,160G

TE Part #1-2227303-2
CAGE ASSEMBLY, SFP, .071 TAIL

TE Part #5-1393788-8
V23079D1005B301

Documents

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.

Product Specifications

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

Japanese

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 Specification

Japanese