

4-175638-0 ✓ ACTIVE

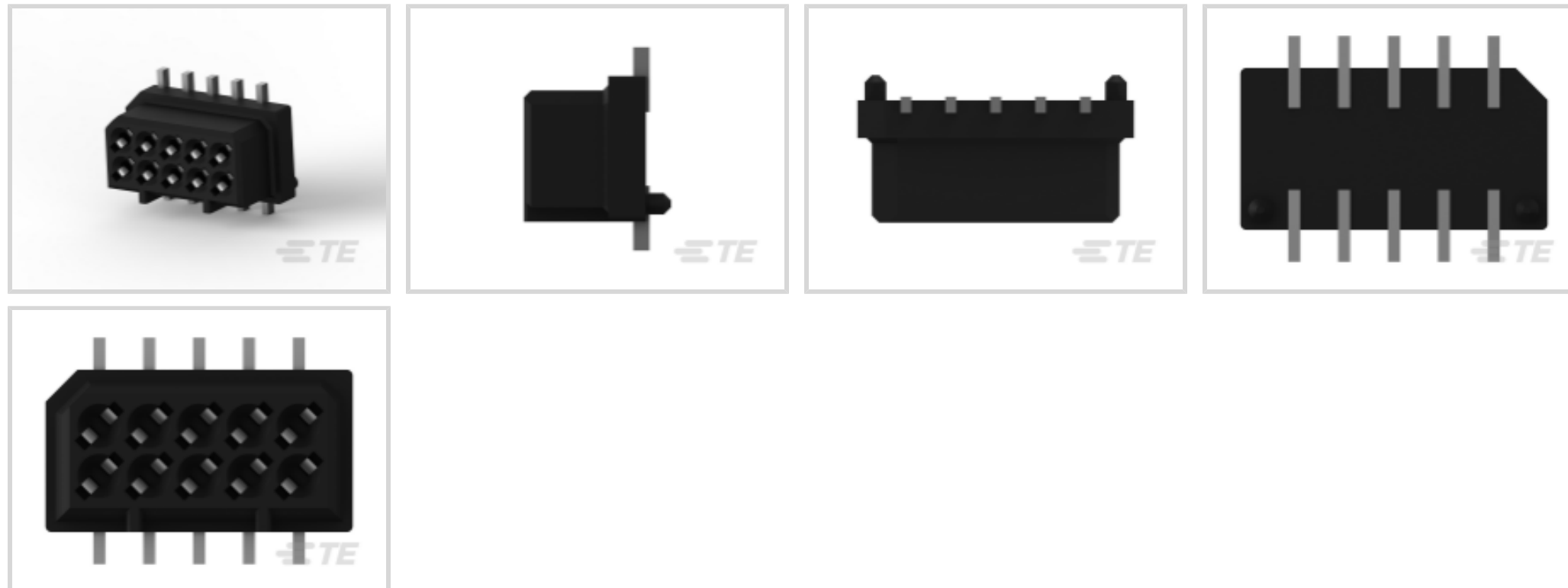
TE Internal #: 4-175638-0

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

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly 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 Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

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

Body Features

Primary Product Color	Black
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Contact Features

Mating Pin Diameter	.5 mm[.02 in]
Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	3 – 5 µm



Contact Type	Socket
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Contact Current Rating (Max)	.5 A
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Termination Features

Rectangular Termination Post & Tail Thickness	.3 mm[.012 in]
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Rectangular Termination Post & Tail Width	1.8 mm[.07 in]
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Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

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

Centerline (Pitch)	1.25 mm[.049 in]
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Housing Material	PPS
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Dimensions

	.3 in
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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 Type	Tape
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2022
(224)Candidate List Declared Against: JUNE
2022 (224)

Does not contain REACH SVHC

Halogen Content

BFR/CFR/PVC Free, but Br/Cl >900 ppm in
other sources.

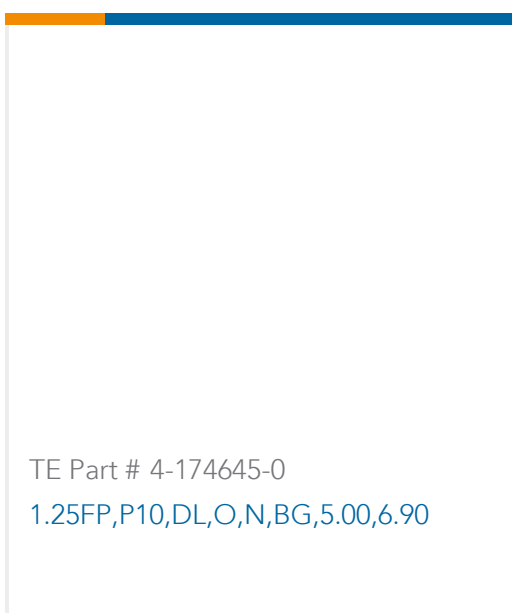
Solder Process Capability

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



Documents

Product Drawings

1.25FP,R10,DL,B,N,TR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-175638-0_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-175638-0_F.3d_igs.zip

English



Customer View Model

[ENG_CVM_CVM_4-175638-0_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

Product Environmental Compliance

[TE Material Declaration](#)

English