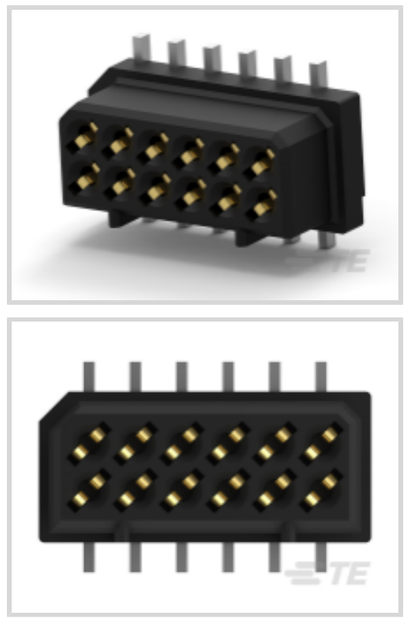
4-175630-2 ✔ ACTIVE

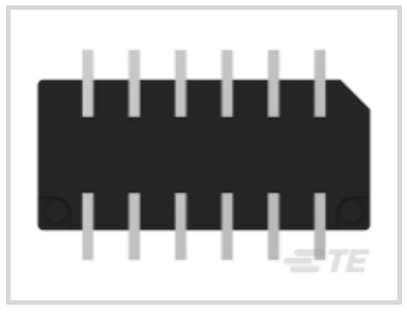
TE Internal #: 4-175630-2

PCB Mount Receptacle, Vertical, Board-to-Board, 12 Position, 1.25 mm [.049 in] Centerline, Tin (Sn), Surface Mount, Signal, Black, Tape & Reel

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **12**

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	Yes
Number of Positions	12
Number of Rows	2
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel

Electrical Characteristics

Operating Voltage	50 VAC
Insulation Resistance	2 MΩ

Dielectric Withstanding Voltage (Max)	500 VAC

Body Features

Primary Product Color	Black

Contact Features

Mating Pin Diameter	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	.8 µm[31.5 µin]
Contact Layout	Inline
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.8 µm[31.5 µin]
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Socket
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	Polarization
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without

Housing Features

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

Dimensions

Stack Height	5 mm, 6.5 mm, 7 mm, 10.5 mm[.197 in][.256 in][.276 in][.413 in]

Usage Conditions

Housing Temperature Rating	High

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 Quantity	1500
Packaging Method	Tape & Reel

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: 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

TE Part # 720999-8
EMBOSS TAPE

TE Part # 4-720998-4
COVER TAPE 13.5W

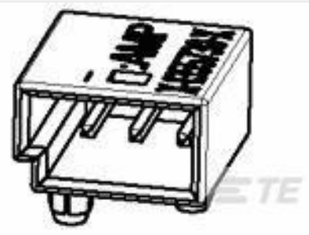
TE Part # 9-176890-2
1.25FP,P12,DL,WB,TR,MYLAR

Customers Also Bought



TE Part #515241-E
SRCP 2,54 10 M 1-KS SMD 137 E1 094 * GU-

TE Part #9-176890-2
1.25FP,P12,DL,WB,TR,MYLAR



TE Part #1-1355730-1
3pos MQS .63 header 90deg



TE Part #1676156-2
RN 0805 113K 0.1% 10PPM 1KRL



TE Part #1676286-2
RN 0805 2K26 0.1% 10PPM 1KRL



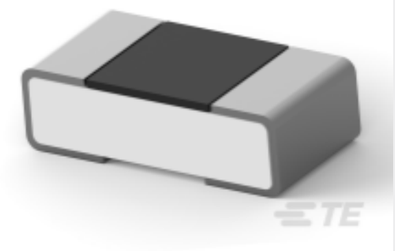
TE Part #3-1676480-4
CRG0402 1% 220R



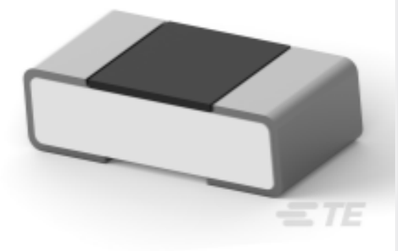
TE Part #2-1879135-8
RN 0603 200K 0.1% 10PPM 1K RL



TE Part #4-1879207-6
RN 0603 453K 0.1% 10PPM 1K RL



TE Part #7-2176363-2
RQ 0402 2K37 0.1% 10PPM 5K RL



TE Part #8-2176363-9
RQ 0402 3K57 0.1% 10PPM 5K RL

Documents

Product Drawings

1.25FP,R12,DL,O,N,TR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-175630-2_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-175630-2_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-175630-2_D.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