

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, Surface Mount, Signal, Black, Tape & Reel

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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: **12**

Number of Rows: **2**

Features

Dimensions

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

Operating Voltage	50 VAC
Insulation Resistance	2 M Ω
Dielectric Withstanding Voltage (Max)	500 VAC

Packaging Features

Packaging Quantity	1500
Packaging Method	Tape & Reel

Usage Conditions

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

Mechanical Attachment

Mating Alignment Type	Polarization
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PCB Mount Retention Type	None
PCB Mount Alignment Type	None
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

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

Contact Features

Mating Pin Diameter	.5 mm[.02 in]
Contact Mating Area Plating Material Thickness	.8 μ m[31.5 μ in]
PCB Contact Termination Area Plating Material Thickness	.8 μ m[31.5 μ in]
Contact Layout	Inline
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Type	Socket
Contact Current Rating (Max)	.5 A

Housing Features

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

Configuration Features

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

Product Type Features

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

Body Features

Primary Product Color	Black
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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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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) 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



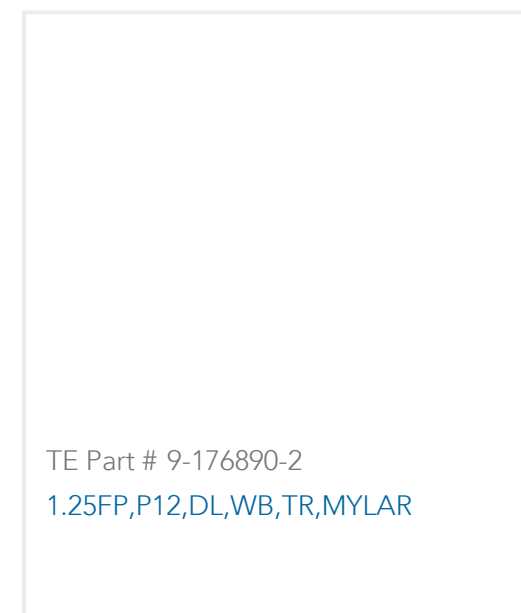
TE Part # 720999-8
EMBOSS TAPE



TE Part # 9-176891-2
1.25FP,P12,DL,O,C,TR,5.00,6.90

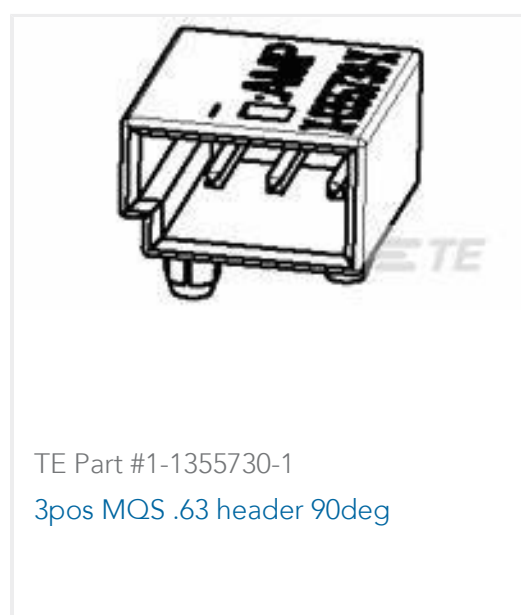


TE Part # 4-720998-4
COVER TAPE 13.5W



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

Customers Also Bought



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



TE Part #5-2176455-2
CPF 0402 374K 0.1% 25ppm 1K RL



TE Part #7-1879215-4
CPF 0402 26K7 0.1% 25PPM 1K RL



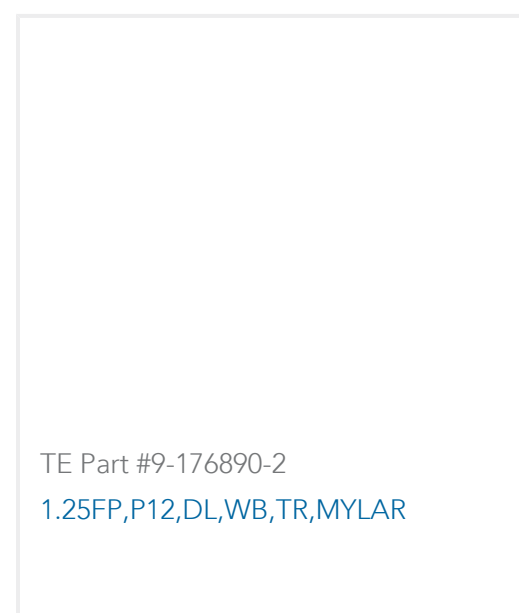
TE Part #2-1676480-0
CRG0402 1% 180R



TE Part #2176216-4
CPF A 0603 20R 0.1% 25PPM 1K RL



TE Part #294151-E
DRCQ 0,80 50 M 2 SMD M2 137 E009
176 GU-



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



TE Part #8-1622826-9
CRG0402 1% 27R



TE Part #4-1879213-2
CPF 0402 69R8 0.1% 25PPM 1K RL



TE Part #5-1879207-2
RN 0603 340K 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