6-175638-8 ✔ ACTIVE

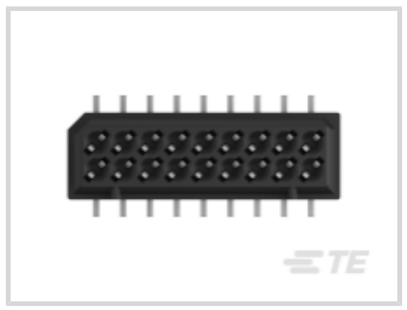
TE Internal #: 6-175638-8

PCB Mount Receptacle, Vertical, Board-to-Board, 18 Position, 1.25 mm Centerline, Tin, Surface Mount, Signal, Black, Tape & Reel

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: **18**

Number of Rows: **2**

Features

Dimensions

Stack Height	6 mm

Mechanical Attachment

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

Contact Features

Contact Underplating Material	Nickel
Contact Mating Area Plating Material Thickness	1 – 3 µm
Contact Mating Area Plating Material	Tin
Contact Type	Receptacle
Contact Current Rating (Max)	.5 A

Housing Features

Housing Material	High Temperature Thermoplastic
Centerline (Pitch)	1.25 mm

Configuration Features

Board-to-Board Configuration	Parallel
PCB Mount Orientation	Vertical
Number of Positions	18
Number of Rows	2

Product Type Features

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

Body Features

Primary Product Color	Black

Termination Features

Termination Method to PCB	Surface Mount

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Tape & Reel

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	Not reviewed for solder process capability

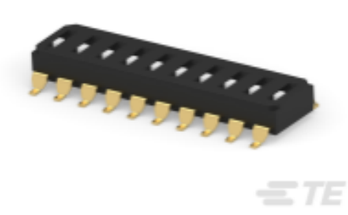
Product Compliance Disclaimer

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

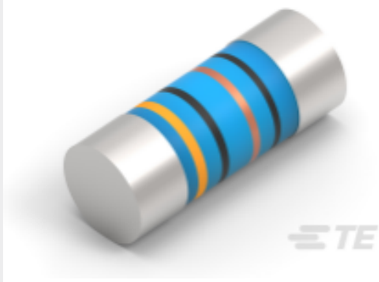
Compatible Parts

TE Part # 4-176891-8
1.25FP,P18,DL,O,N,TR,5.00,6.90

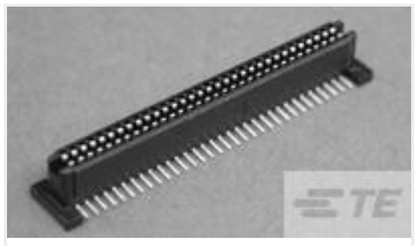
Customers Also Bought



TE Part #3-2319848-1
END STACK DIP 10P G RECESS SEAL TUBE



TE Part #2176314-4
MELF SMA_A 180R 0.1% 15PPM 0102 0.3W



TE Part #5146893-2
1FHR,84,30A/S,S,C,S08,09,10



TE Part #5-103911-3
60 SYSTEM 50 RCPT ASSY DRRA



TE Part #5-104076-2
60 SYS50 HDR DRST SHRD W/SL SN



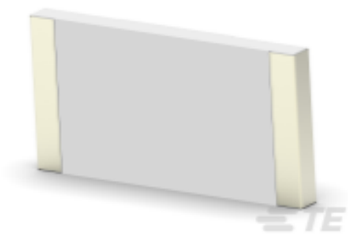
TE Part #1-928836-2
MOD2 PIN WITH A-PIN L/P



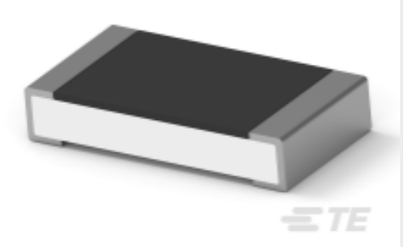
TE Part #3-1415020-1
PT570N20



TE Part #1-1437581-1
ASE22RL=AUTOSLIDE DP



TE Part #7-2176246-6
CRGS2512 5% 1M8



TE Part #4-2176391-7
RQ 1206 37K4 0.1% 10PPM 5K RL

Documents

Product Drawings

1.25FP,R18,DL,B,N,TR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-175638-8_F6.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6-175638-8_F6.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-175638-8_F6.3d_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