

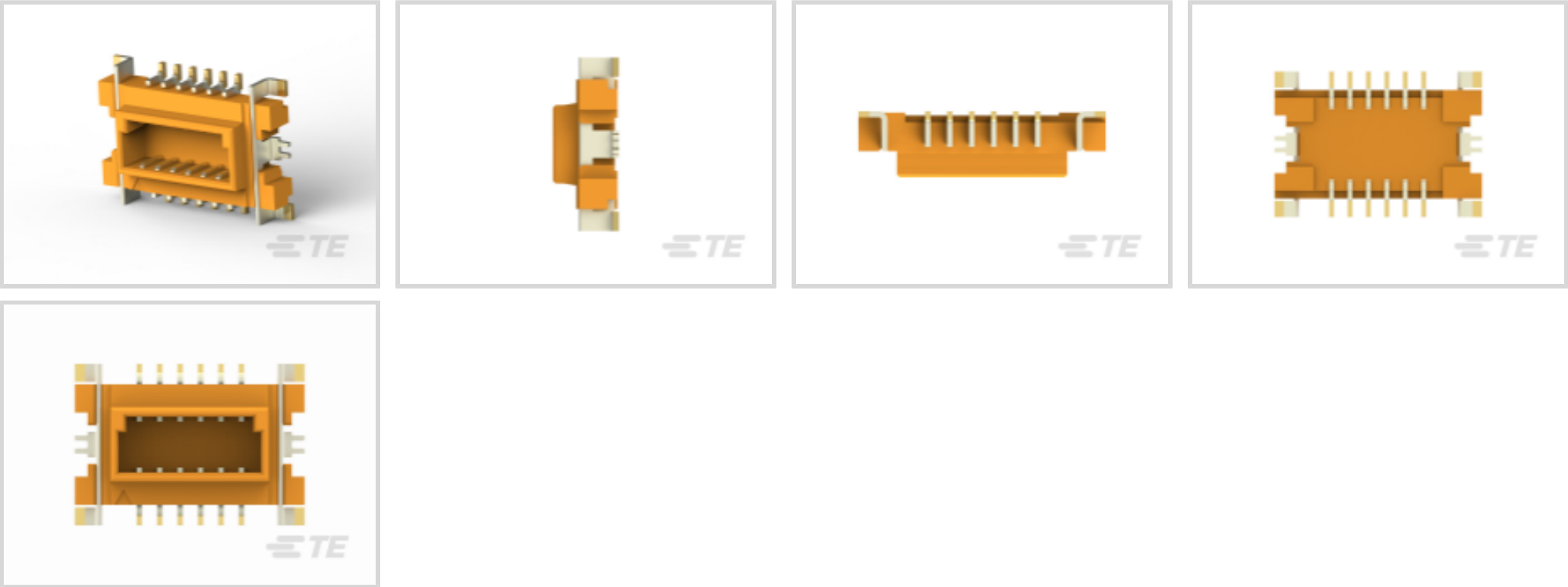


TE Internal #: 1-1871238-2

PCB Mount Receptacle, Vertical, Board-to-Board, 12 Position, .8 mm [.031 in] Centerline, Gold (Au), 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: **12**

Centerline (Pitch): **.8 mm [.031 in]**

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

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

Electrical Characteristics

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

Body Features

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Primary Product Color	Black
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Contact Features

Mating Tab Width	.25 mm[.009 in]
PCB Contact Termination Area Plating Material Thickness	.05 – .127 µm[2 – 5 µin]
Contact Layout	Inline
Contact Base Material	Phosphor Bronze
Mating Tab Thickness	.2 mm[.008 in]
PCB Contact Termination Area Plating Material	Gold
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	.5 A

Termination Features

Rectangular Termination Post & Tail Width	.7 mm[.027 in]
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

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

Housing Features

Housing Material	Nylon 6T
Centerline (Pitch)	.8 mm[.031 in]

Dimensions

Stack Height	3 mm[.118 in]
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Usage Conditions

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

Operation/Application

Assembly Process Feature	None
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Circuit Application

Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1500
Packaging Method	Tape & Reel

Product Compliance

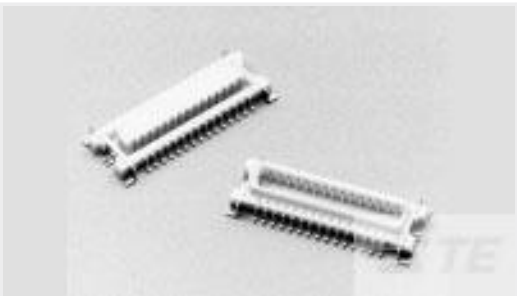
For compliance documentation, visit the product page on [TE.com](#)>

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 245°C

Product Compliance Disclaimer

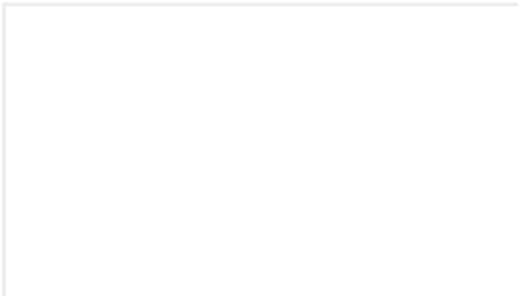
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1-1775015-2

0.8 BTB, Fine-Stack, 5H, Plug, 12P



TE Part # 179370-7

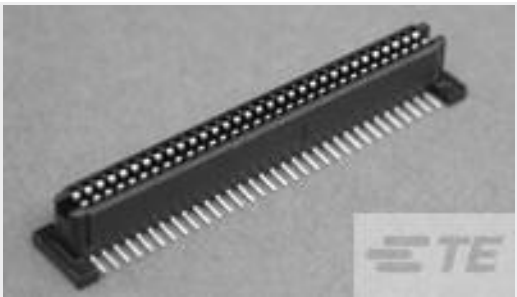
0.8 B-T-B TAB CONTACT



TE Part # 1-1775149-2

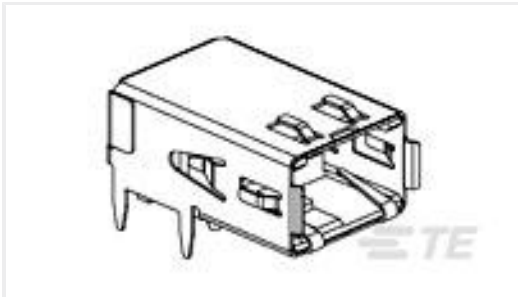
0.8 BTB FS PLUG 5.5H 12P

Customers Also Bought



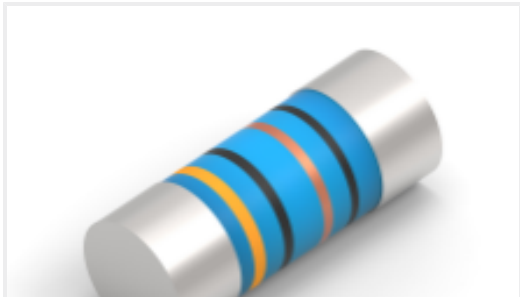
TE Part #5146893-2

1FHR,84,30A/S,S,C,S08,09,10



TE Part #1761072-3

RECPT,HSSDC2,FIBRE,TRAY PKG



TE Part #2176314-4

MELF SMA_A 180R 0.1% 15PPM 0102
0.3W



TE Part #3-1415020-1

PT570N20



TE Part #5-103911-3

60 SYSTEM 50 RCPT ASSY DRRA



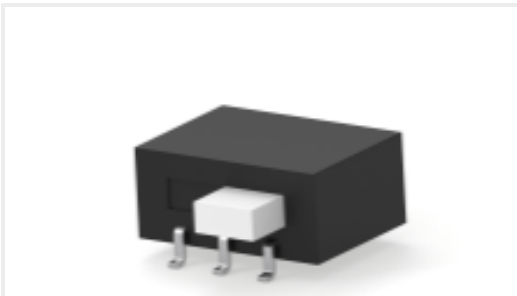
TE Part #5-104076-2

60 SYS50 HDR DRST SHRD W/SL SN



TE Part #1-928836-2

MOD2 PIN WITH A-PIN L/P



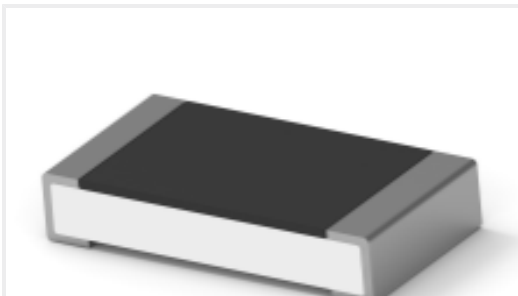
TE Part #1-1437581-1

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

ON TAPING(EMBOSS) 0.8FS 3.0MM CAP 3H 12P

Japanese

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1871238-2_A.2d_dxf.zip



English

Customer View Model

ENG_CVM_CVM_1-1871238-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1871238-2_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

Fine Pitch Stacking Connector - 0.8mm Fine Stack and Fine Mate Connectors

English

Product Specifications

0.8mm Pitch Fine Stack Connector

Japanese

Product Specification

Japanese

Instruction Sheets

Instruction Sheet (non U.S.)

English

0.8MM F-S CONNECTOR(H 3.0MM) (BOARD TO BOARD SMT TYPE) HANDLING AND OPERATION INSTRUCTION SHEET

English