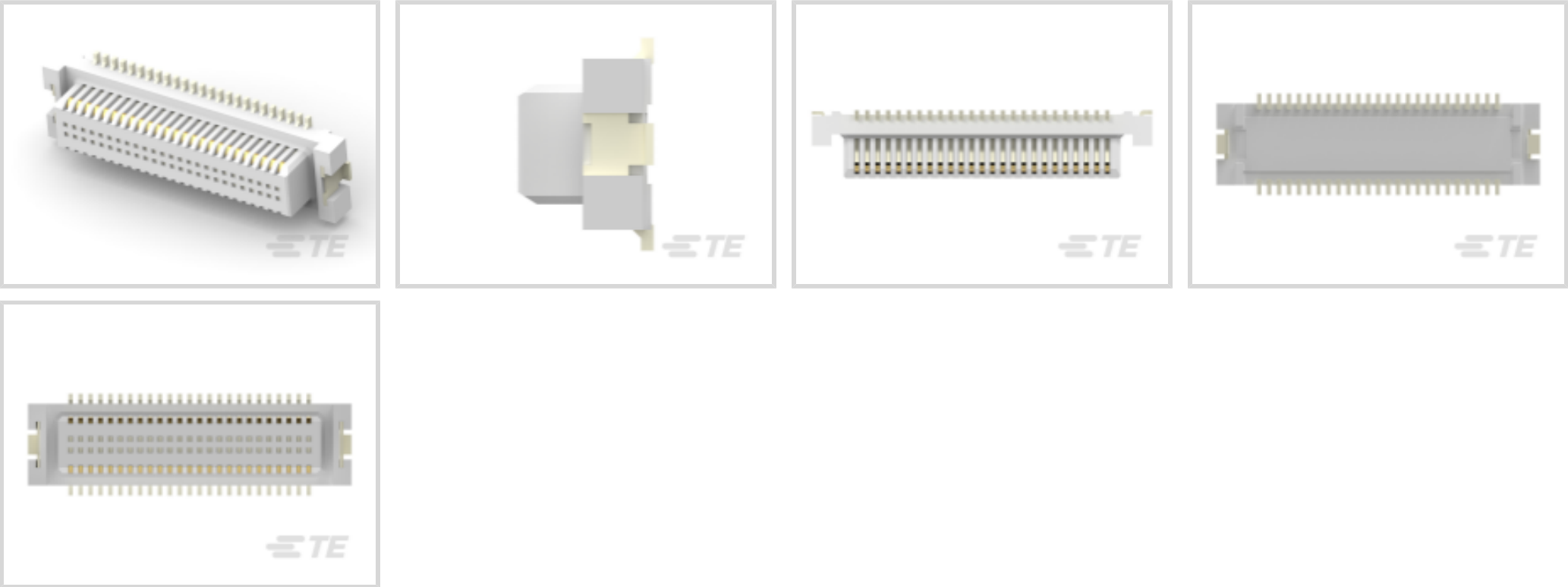




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **50**

Centerline (Pitch): **.5 mm [.02 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

Board-to-Board Configuration	Parallel
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	50

Electrical Characteristics

Operating Voltage	250 VAC
Insulation Resistance	2 MΩ
Dielectric Withstanding Voltage (Max)	500 VAC



Body Features

Primary Product Color	Black
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Contact Features

Contact Mating Area Plating Material Thickness	.05 µm[2 µin]
PCB Contact Termination Area Plating Material Thickness	.05 – .127 µm[2 – 5 µin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
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	.6 mm[.024 in]
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

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

Housing Features

Housing Material	High Heat-Resisted Resin
Centerline (Pitch)	.5 mm[.02 in]

Dimensions

Stack Height	4 mm, 4.5 mm, 5.5 mm, 6 mm[.157 in][.177 in][.217 in][.236 in]
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Usage Conditions

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

Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1000
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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 1-912069-2
COVER TAPE 21.5W

TE Part # 3-912061-5
PAPER PAD 325L-125W

TE Part # 917663-6
0.5 BTB REC CONT. DURAGOLD/DBL

TE Part # 1747025-6
ON TAPING(EMBOSS) 0.5MM PITCH

TE Part # 5-5316466-0
0.8 BTB TAB ASS'Y 50P, TAPE LEAD FREE

Customers Also Bought

TE Part #1-640383-9
19P MTA156 HDR ASSY STR SQ SN

TE Part #41450
250 FASTON REC 14-10 AWG TPBR

TE Part #1-1871935-4
DYNAMIC 1900D HDR ASSY H-TYPE 8P

TE Part #1-174955-1
070 MLC CAP ASSY V 8P

TE Part #1-102541-0
24 AMPMODU MT COVER DR .100CL

TE Part #1-102162-0
050 UNIV HDR RA 4S 30DP STD

TE Part #1-480252-0
FF 187 REC HSG 3P NYLON NAT

TE Part #174977-2
040 MLC CAP ASSY V 20P

TE Part #1-87348-0
10 MODII HDR SRST UNSHRD .100

TE Part #1420011-3
GET CONNECTOR

Documents



Product Drawings

ON TAPING(EMBOSS) 0.5MM PITCH

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1565357-6_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1565357-6_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1565357-6_B.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 Catalog - 0.5mm Fine Stack and Fine Mate Connectors

English

Product Specifications

0.5mm Pitch Fine Mate Conn.

Japanese

Product Specification

Japanese

Product Specification

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

0.5/0.8MM PITCH FINE MATE CONN.

English