

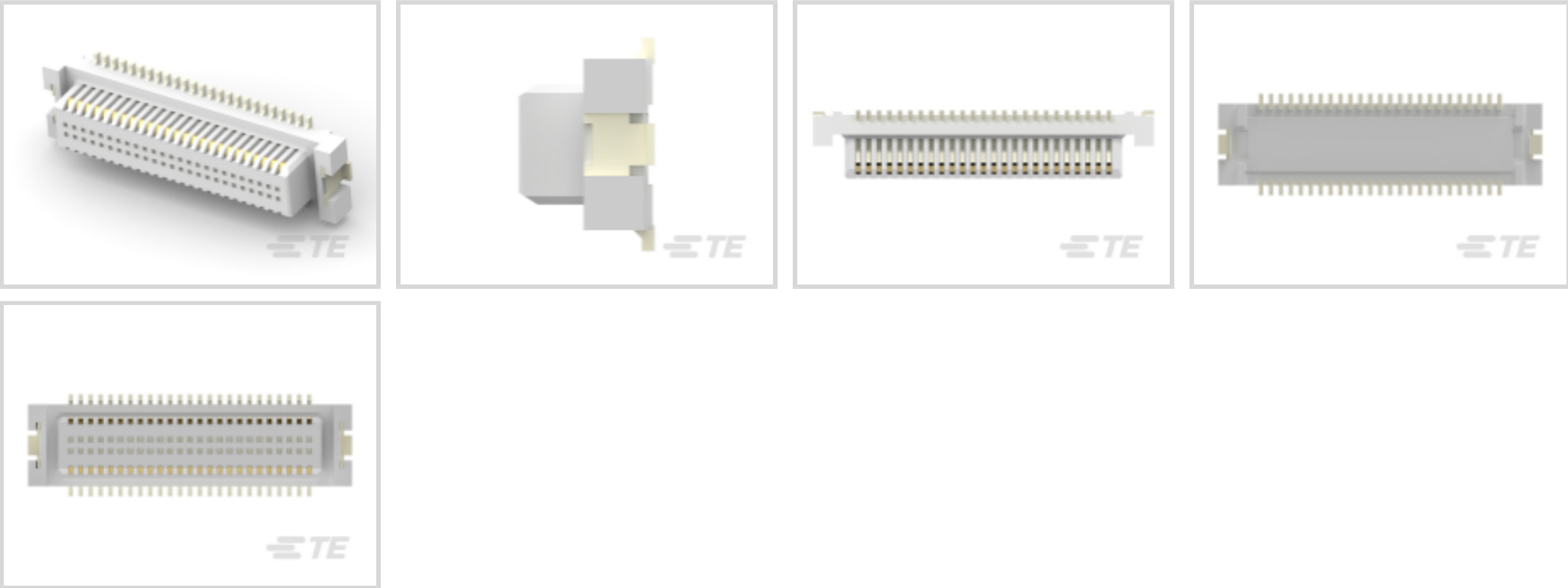


TE Internal #: 1565357-6

PCB Mount Receptacle, Vertical, Board-to-Board, 50 Position, .5 mm [.02 in] Centerline, Gold, 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: **50**

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

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

Electrical Characteristics

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

Body Features

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Primary Product Color	Black
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Contact Features

PCB Contact Termination Area Plating Material Thickness	.05 – .127 µm[2 – 5 µin]
Contact Layout	Inline
PCB Contact Termination Area Plating Material	Gold
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.05 µm[2 µin]
Contact Type	Socket
Contact Current Rating (Max)	.5 A

Termination Features

Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Rectangular Termination Post & Tail Width	.6 mm[.024 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	.5 mm[.02 in]
Housing Material	High heat-resisted resin

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

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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>

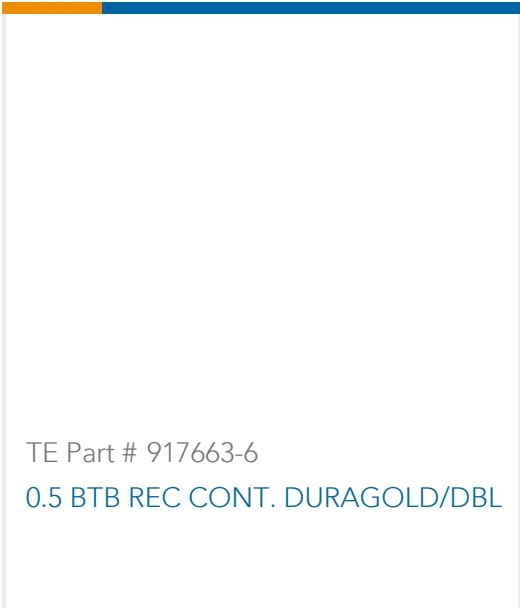
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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 # 1747025-6 ON TAPING(EMBOSS) 0.5MM PITCH	 TE Part # 5-5316466-0 0.8 BTB TAB ASS'Y 50P, TAPE LEAD FREE	 TE Part # 1-912069-2 COVER TAPE 21.5W	 TE Part # 3-912061-5 PAPER PAD 325L-125W
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Customers Also Bought

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

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

TE Part #175977-2
Signal Header

TE Part #2822352-1
070 TYPE RUBBER PLUG

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

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

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

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

Product Specification

English

0.5mm Pitch Fine Mate Conn.

Japanese

Product Specification

Japanese

Instruction Sheets

Instruction Sheet (non U.S.)

English

0.5/0.8MM PITCH FINE MATE CONN.

English