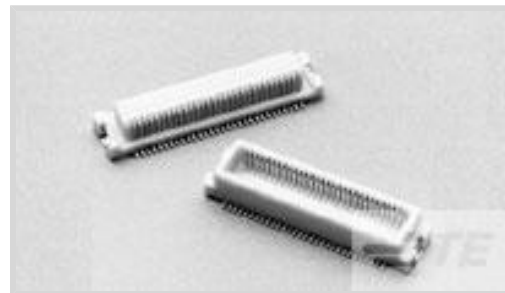




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **60**

Centerline (Pitch): **.5 mm [.019 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

Number of Columns	30
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	60
Board-to-Board Configuration	Parallel

Electrical Characteristics

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

Body Features

Primary Product Color	Black
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Contact Features

Contact Layout	Matrix
PCB Contact Termination Area Plating Material Thickness	.05 – .127 μm[2 – 5 μin]



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 μ m[2 μ in]
Contact Type	Receptacle
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 Printed Circuit Board	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[.019 in]
Housing Material	High heat-resisted resin

Dimensions

Connector Length	15.75 mm[.62 in]
Connector Height	3.2 mm[.125 in]
Connector Width	4.1 mm[.161 in]
Stack Height	4 mm, 4.5 mm, 5.5 mm, 6 mm[.157 in][.177 in][.217 in][.236 in]
PCB Thickness (Recommended)	2 – 5 mm[.05 – .127 in]

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 Type	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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 # 1747025-5
ON TAPING(EMBOSS) 0.5MM PITCH

TE Part # 1-912069-3
COVER TAPE 26W

TE Part # 7-912061-3
EMBOSS TAPE 0.5 60P REC

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



Documents

Product Drawings

ON TAPING(EMBOSS) 0.5MM PITCH

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1565357-5_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1565357-5_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1565357-5_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 Environmental Compliance

Product Compliance

English

Product Compliance

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

0.5/0.8MM PITCH FINE MATE CONN.

English