

1565357-9 ✓ ACTIVE

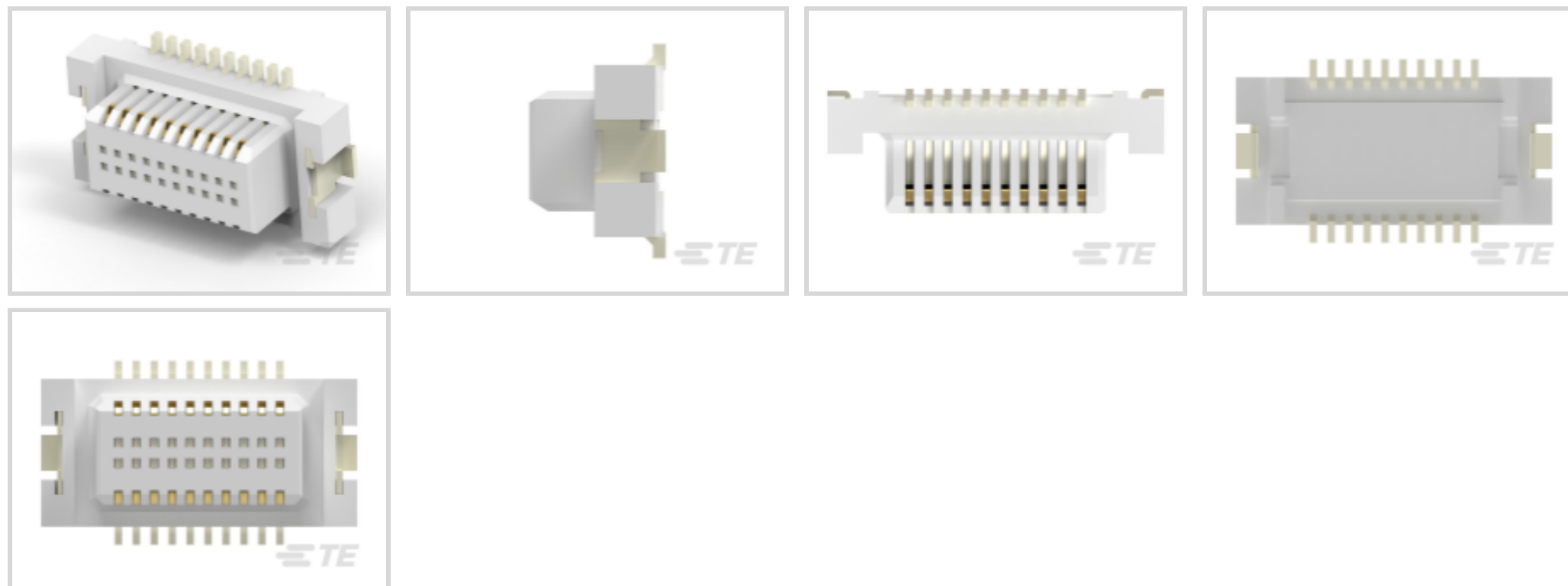
TE Internal #: 1565357-9

PCB Mount Receptacle, Vertical, Board-to-Board, 20 Position, .02 in  
[.5 mm] Centerline, Gold, Surface Mount, Signal, Black

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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: **20**

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	20
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	Inline
PCB Contact Termination Area Plating Material Thickness	.05 – .127 $\mu\text{m}$ [2 – 5 $\mu\text{in}$ ]
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 $\mu\text{m}$ [2 $\mu\text{in}$ ]
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 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[.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 $^{\circ}\text{C}$ [-22 – 221 $^{\circ}\text{F}$ ]

### 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 Type	Tape & Reel

### Product Compliance

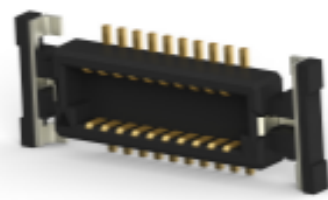
[For compliance documentation, visit the product page on TE.com>](#)

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: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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

 <p>TE Part # 2-5353515-0 ON TAPING (EMBOSS) 0.5MM FS CONN. TAB AS</p>	<p>TE Part # 1-912069-2 COVER TAPE 21.5W</p>	<p>TE Part # 917663-6 0.5 BTB REC CONT. DURAGOLD/DBL</p>	<p>TE Part # 5-912061-4 EMBOSS TAPE 32W X 580HOLES</p>
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### Customers Also Bought



TE Part #770849-8  
08P SL156 HSG W/LCK RMP & TABS



TE Part #640252-2  
SL-156 RECEPTACLE



TE Part #2-5353515-0  
ON TAPING (EMBOSS) 0.5MM FS  
CONN. TAB AS



TE Part #1565357-6  
ON TAPING(EMBOSS) 0.5MM PITCH



TE Part #5428154001  
LSTT-19-0-SP

## Documents

### Product Drawings

[ON TAPING\(EMBOSS\) 0.5MM PITCH B-TO-B CON](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1565357-9\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1565357-9\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1565357-9\\_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

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### Instruction Sheets

#### Instruction Sheet (non U.S.)

English

#### 0.5/0.8MM PITCH FINE MATE CONN.

English