

1565357-9 ✓ ACTIVE

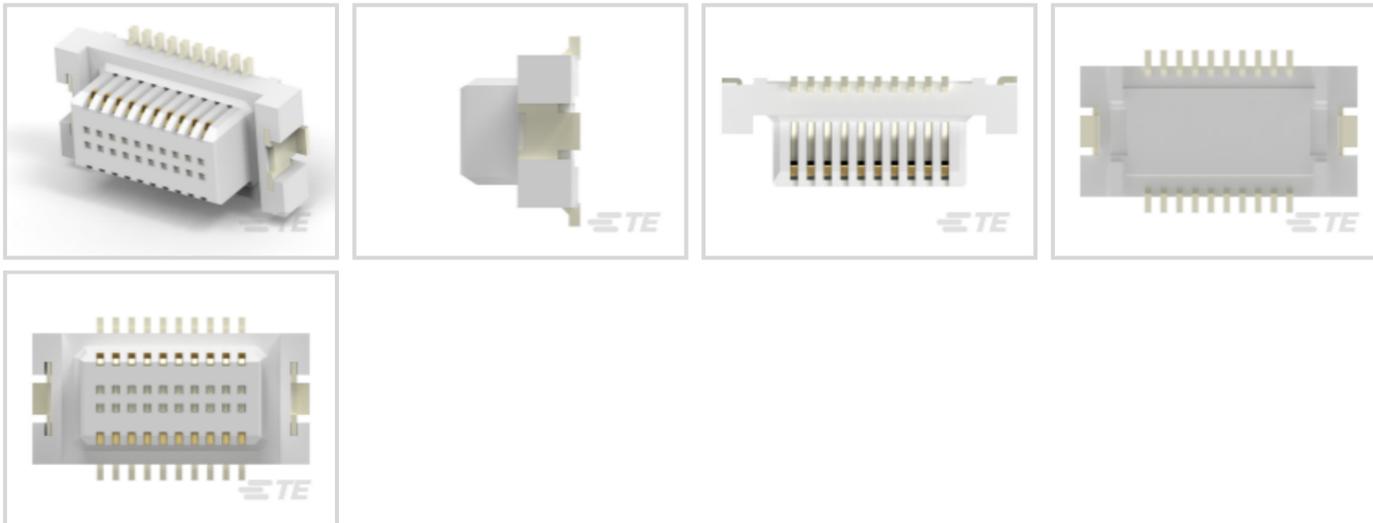
TE Internal #: 1565357-9

PCB Mount Receptacle, Vertical, Board-to-Board, 20 Position, .5 mm [.02 in] Centerline, Gold (Au), Surface Mount, Signal, Black, Tape & Reel

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **20**

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

PCB Mount Orientation: **Vertical**

## 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

Stackable	Yes
Number of Positions	20
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel

### 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

PCB Contact Termination Area Plating Material Thickness	.05 – .127 $\mu\text{m}$ [2 – 5 $\mu\text{in}$ ]
Contact Layout	Inline
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.05 $\mu\text{m}$ [2 $\mu\text{in}$ ]
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
Connector Mounting Type	Board Mount
Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	Without

### 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 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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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 # 2-5353515-0  
ON TAPING (EMBOSS) 0.5MM FS  
CONN. TAB AS

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

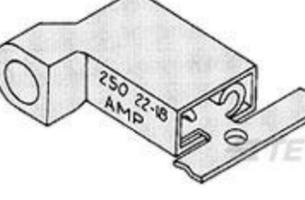
TE Part # 1-912069-2  
COVER TAPE 21.5W

TE Part # 5-912061-4  
EMBOSS TAPE 32W X 580HOLES

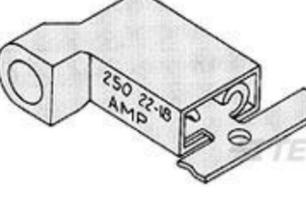
## Customers Also Bought



TE Part #234208-E  
SMCQ 50 M AB VV 8-23 CL \* H007 137  
E005



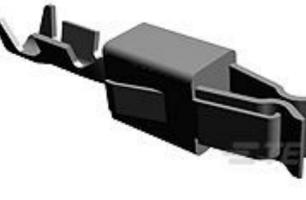
TE Part #2-520337-2  
ULTRA-FAST 187 ASY REC 22-18 TPBR



TE Part #2-520856-2  
ULTRA-FAST 250 ASY REC 22-18 TPBR



TE Part #1-826634-2  
12P MODU 2 PIN HDR



TE Part #964280-1  
JPT A REC 2.8 Contact SRC Sn



TE Part #1-1415898-9  
RTS3L012



TE Part #1586359-2  
02P MINIMUMNL GANG WIRE SEAL DR



TE Part #2-1761605-6  
IDC LOW PRO HDR 16P RA BLUE



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



TE Part #384803-E  
SRCP 1,27 6 F 1 SMD 137 \* 168 \*  
GURT VLP

## 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.

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**Datasheets & Catalog Pages**

[Fine Pitch Catalog - 0.5mm Fine Stack and Fine Mate Connectors](#)

English

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**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