

2-2232516-1 ✓ ACTIVE

## SCSI Connectors

TE Internal #: 2-2232516-1

PCB D-Sub Connectors, Receptacle, Board-to-Board, 20 Position,  
1.27 mm [.05 in] Centerline, 2 Row, Size 2, Rectangular, SCSI  
Connectors

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors



Connector & Housing Type: **Receptacle**

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

Number of Positions: **20**

Centerline (Pitch): **1.27 mm [.05 in]**

Number of Rows: **2**

## Features

### Product Type Features

Shell Type	Full Metal Shell
Frame Material	Die Cast Zinc
Connector & Housing Type	Receptacle
Connector System	Board-to-Board
D-Sub Shell Size	2
Connector & Contact Terminates To	Printed Circuit Board
Shielded	No
Product Classification	PCB D-Sub Connectors
Shape	"D" Shaped
Orientation	Standard
Connector Type	Header
Product Type	Connector
Product Category	Connectors - Printed Circuit Board
Connector Design	Stacking

### Configuration Features

Performance Level	1 (500 mating cycles)
Number of Power Positions	0
Number of Signal Positions	20



Number of Positions	20
Number of Rows	2
PCB Mount Orientation	Right Angle
Preloaded	Yes

### Body Features

Bracket Material	Zinc
Tine Plate Material	PBT
Retention Leg Material	Copper Alloy
Bracket Plating Material	Nickel
Female Screwlock Material	Steel
Retention Leg Plating Material	Tin over Nickel
Plastic	Yes
Frame Plating Material	Nickel
Insert Material	PBT
Female Screwlock Plating Material	Nickel
Connector Profile	Standard
Post Size	.4 mm
Color	Black
Shell Plating Material	Nickel
Plating Material	Thermoplastic
Shield Material	Die Cast Metal
Shell Material	Steel
Shield Plating Material	Nickel

### Contact Features

Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Shape & Form	Rectangular
Contact Current Rating (Max)	1 A
	30 $\mu$ in

### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Termination Post Length	2.8 mm[.11 in]
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### Mechanical Attachment

Mating Connector Lock Type Material	Stainless Steel
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Locking Screw Plating Material	Nickel
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Locking Screw	With
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PCB Mount Alignment	With
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Panel Mount Feature	Without
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PCB Mount Retention	With
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PCB Mount Retention Type	Retention Leg
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Mating Retention	With
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Mating Retention Type	Latch
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Connector Mounting Type	Panel Mount
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Mating Alignment Type	Integral with mating surface
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Mounting Angle	Right Angle
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Mounting Hole Diameter	2.7 mm
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### Housing Features

Centerline (Pitch)	1.27 mm[.05 in]
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Housing Material	Thermoplastic Polyester GF
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Housing Color	Black
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### Dimensions

Row-to-Row Spacing	1.9 mm[.075 in]
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PCB Thickness (Recommended)	1.6 mm[.063 in]
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### Usage Conditions

Housing Material Temperature	Standard
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Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

Insert Flammability Rating	UL 94V-0
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UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Method	Box & Tray, Tray
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Packaging Quantity 130

### Other

Comment SCSI- Applicable.

## 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	Not reviewed for solder process capability

### 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



Also in the Series | [SCSI Connectors](#)



PCB D-Sub Connectors(8)



Solder D-Sub Connectors(7)

## Documents

### Product Drawings

[SCSI .050 REC ASS'Y 20P PB-FRE](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2-2232516-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-2232516-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-2232516-1\\_A.3d\\_stp.zip](#)

English

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### Product Specifications

[Product Specification](#)

English

[CHAMP.050 Series\(II\) Connector Wire to Board Type](#)

English

[Product Specification](#)

English