

2212082-1

✓ ACTIVE

ELCON

TE Internal #: 2212082-1

PCB Mount Receptacle, Vertical, Board-to-Board, 40 Position, 13.21 mm / 3.3 mm [.13 in / .52 in] Centerline, Gold / Silver, Through Hole - Solder

[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: **40**

Number of Rows: **6**

## Features

### Electrical Characteristics

Operating Voltage	250 VDC
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### Dimensions

Row-to-Row Spacing	3.81 mm [.15 in]
Connector Width	29.98 mm [1.18 in]
Connector Height	69.98 mm [2.755 in]

### Packaging Features

Packaging Quantity	45
Packaging Method	Box

### Usage Conditions

Operating Temperature (Max)	105 °C [221 °F]
Operating Temperature Range	-40 – 105 °C [-40 – 221 °F]

### Mechanical Attachment

Mating Alignment Type	Guide Hole
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PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Panel Mount & Board Mount
Mating Alignment	With

#### Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 $\mu\text{m}$ [50 $\mu\text{in}$ ]
Contact Mating Area Plating Material Thickness	.254 $\mu\text{m}$ , 5.08 $\mu\text{m}$ [200 $\mu\text{in}$ ][10 $\mu\text{in}$ ]
Contact Layout	Matrix
Contact Base Material	Brass Alloy
Contact Mating Area Plating Material	Gold, Silver
Contact Type	Socket
Contact Current Rating (Max)	25 A

#### Housing Features

Housing Material	Thermoplastic Glass Reinforced
Centerline (Pitch)	3.3 mm, 13.21 mm[.13 in][.52 in]

#### Configuration Features

Number of Signal Positions	36
Number of Power Positions	4
PCB Mount Orientation	Vertical
Number of Positions	40
Number of Rows	6

#### Product Type Features

Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

#### Body Features

Primary Product Color	Black
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#### Termination Features

Termination Method to PCB	Through Hole - Solder
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## Operation/Application

Circuit Application

Power &amp; Signal

## Industry Standards

UL Flammability Rating

UL 94V-0

## Other

EU RoHS Compliance

Compliant with Exemptions

EU ELV Compliance

Compliant with Exemptions

## Product Compliance

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

EU RoHS Directive 2011/65/EU

Compliant with Exemptions

EU ELV Directive 2000/53/EC

Compliant with Exemptions

China RoHS 2 Directive MIIT Order No 32, 2016

Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2024 (241)  
 Candidate List Declared Against: JAN 2021 (211)  
 SVHC > Threshold:  
 Pb (3.7% in Component Part)

**Article Safe Usage Statements:**  
 Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Wave solder capable to 265°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 # 2212081-1  
CONNECTOR,PIN,SQUARE DRAWER

## Customers Also Bought



TE Part #5747846-4  
25 MSFL RCPT RA 318 (IN,FM,BL)



TE Part #1SNL312510R0000  
DBL125



TE Part #66262-2  
MALE CONTACT ASSY. (L.P.)



TE Part #206037-2  
CPC PLUG ASSEMBLY SIZE 17-3



TE Part #796381-2  
R/A STRN RELIEF KIT,SZ 17,CPC



TE Part #206036-2  
CPC RECEPTACLE SIZE 17-3



TE Part #66740-6  
TYPE XII FEMALE CONT (L.P.)



TE Part #1-66103-8  
III+ PIN,24-20,TIN,LP



TE Part #1648325-1  
702-92-01109=CONTACT,SKT,#20



TE Part #1650155-1  
701-14-02109=CONTACT,PIN,#20

## Documents

### Product Drawings

#### CONNECTOR,SOCKET,SQUARE DRAWER

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2212082-1\\_A.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2212082-1\\_A.3d\\_jgs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2212082-1\\_A.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

**Product Specifications**

**Product Specification**

English