

6489651-2  ACTIVE

TE Internal #: 6489651-2

Card Edge Power Connectors, Board-to-Board, 62 Position, 2.54 mm [.1 in] Centerline, Power & Signal, 62 Power Positions, 0 Signal Positions

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Connectors > PCB Connectors > Card Edge Connectors > Card Edge Power Connectors



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

Number of Positions: **62**

Centerline (Pitch): **2.54 mm [.1 in]**

Contact Current Rating (Max): **4.26 A**

Circuit Application: **Power & Signal**

## Features

### Product Type Features

Connector Mates With	Printed Circuit Board
Connector & Housing Type	Receptacle
Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board

### Configuration Features

Keying & Polarized Position Locations	4, 5
PCB Mount Orientation	Vertical
Number of Positions	62
Number of Power Positions	62
Number of Signal Positions	0
Number of Dual Positions	31

### Electrical Characteristics

Operating Voltage	400 V
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### Body Features

Primary Product Color	Black
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#### Contact Features

PCB Contact Termination Area Plating Material Thickness	2.54 $\mu\text{m}$ [100 $\mu\text{in}$ ]
Contact Type	Socket
Contact Mating Area Plating Material Thickness	.76 $\mu\text{m}$ [30 $\mu\text{in}$ ]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	4.26 A
Contact Mating Area Plating Material	Gold

#### Termination Features

Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit, Through Hole - Solder

#### Mechanical Attachment

Mating Alignment Type	Keyed
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail
Mating Retention Type	Latch
Connector Mounting Type	Board Mount

#### Housing Features

Housing Material	Polyester GF
Centerline (Pitch)	2.54 mm[.1 in]

#### Dimensions

Card Slot Depth	7.72 mm[.318 in]
Connector Height	15.72 mm[.84 in]
Row-to-Row Spacing	4.85 mm[.191 in]
Power Contact Centerline	2.54 mm[.1 in]

#### Usage Conditions

Operating Temperature Range

-55 - 90 °C[-67 - 194 °F]

**Operation/Application**

Circuit Application

Power &amp; Signal

**Industry Standards**

UL Flammability Rating

UL 94V-0

**Packaging Features**

Packaging Quantity

5

Packaging Method

Tray

**Other**

Position Locations Omitted

6

**Product Compliance**For compliance documentation, visit the product page on [TE.com](http://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: JAN 2024  
(240)Candidate List Declared Against: JAN 2024  
(240)

Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900  
ppm.

Solder Process Capability

Wave solder capable to 265°C

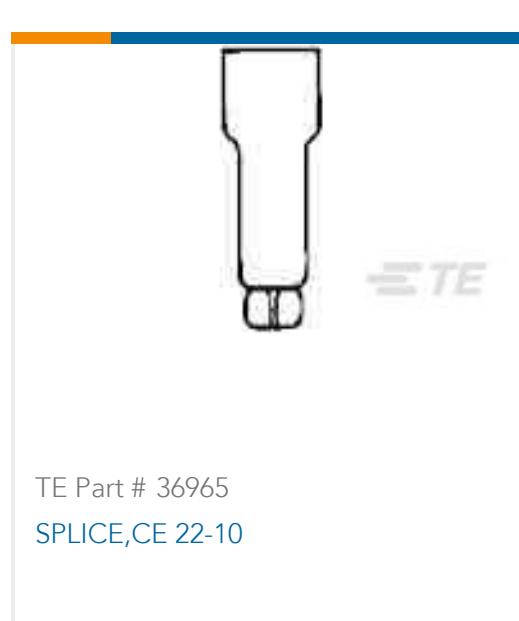
## Product Compliance Disclaimer

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 # 2343428-1  
HD+ CE, RA, CRPS

## Customers Also Bought

TE Part # 5747844-3  
09 MSFL RCPT RA 318 (IN,FM,BL)TE Part # 326886  
TERMINAL,PIDG R 12-10 6TE Part # 1804030-1  
EXTRACTION TOOL ASSYTE Part # 745245-2  
SPECIAL LATCH BLOCK-2 PER BAGTE Part # 36965  
SPLICE,CE 22-10TE Part # 55843-1  
SPLICE,CE 22-14TE Part # 5-103672-1  
02 MTE HDR SRRA LATCH W/HLDWNTE Part # 5-146280-5  
05 MODII HDR SRST B/A .100CLTE Part # 1-1609034-3  
10ESB1=F8325TE Part # 310690-1  
SPRING EXTENSION

## Documents

### Product Drawings

#### CONN ASS'Y STANDARD EDGE II

English

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_6489651-2\\_E.2d\\_dxf.zip](#)

English

### 3D PDF

3D

**Customer View Model**[ENG\\_CVM\\_CVM\\_6489651-2\\_E.3d\\_igs.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_6489651-2\\_E.3d\\_stp.zip](#)

English

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

English