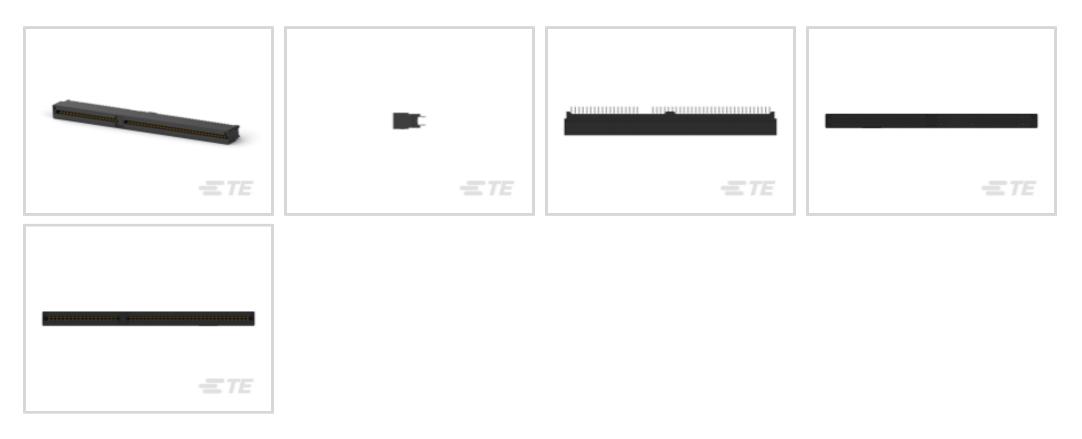
# 5176139-3 - ACTIVE

TE Internal #: 5176139-3 Board-to-Board Card Edge Power Connector, 98 Position, 2.54 mm [.1 in] Centerline, Power & Signal, 98 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: **98** 

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

Contact Current Rating (Max): **3**A

Circuit Application: Power & Signal

#### Features

### Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Connector Mates With	Printed Circuit Board
Connector & Housing Type	Receptacle
Connector System	Board-to-Board
Configuration Features	
Keying & Polarized Position Locations	0
PCB Mount Orientation	Vertical
Number of Sections	2
Number of Positions	98
Number of Power Positions	98
Number of Signal Positions	0
Number of Dual Positions	49
Electrical Characteristics	
Operating Voltage	400 V

#### 5176139-3

Board-to-Board Card Edge Power Connector, 98 Position, 2.54 mm [.1 in] Centerline, Power & Signal, 98 Power Positions, 0 Signal Positions



### **Body Features**

Primary Product Color     Black       Contact Features     Nickel       PCB Contact Termination Area Plating Material Finish     Matte       PCB Contact Termination Area Plating Material Finish     Matte       PCB Contact Termination Area Plating Material Finish     Matte       PCB Contact Termination Area Plating Material Thickness     .76 µm(30 µin)       PCB Contact Termination Area Plating Material Thickness     .54 µm(100 µin)       Contact Base Material     Phosphor Bronze       PCB Contact Termination Area Plating Material     Tin       Contact Termination Area Plating Material     Gold (Au)       Contact Mating Area Plating Material     Gold (Au)       Contact Current Rating (Max)     3.4       Contact Mating Area Plating Material     Gold (Au)       Termination Post & Tail Length     3.18 mm[.125 in]       Termination Method to PCB     Through Hole - Solder       Mating Aleanment     With       PCB Mount Retention     With       Mating Alignment     Ype       PCB Mount Alignment     With       PCB Mount Alignment     With       PCB Mount Alignment     With       Polyester GF     Contectine (Pitch)       Polyester GF     Contectine (Pitch)       Polyester GF     Contectine (Pitch)       Polyester GF     Contectine (Pitch) <t< th=""><th>g Material Nickel Nickel Alter Alter</th></t<>	g Material Nickel Nickel Alter
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	erline 2.54 mm[.1 in]

**C** For support call+1 800 522 6752

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#### 5176139-3

Board-to-Board Card Edge Power Connector, 98 Position, 2.54 mm [.1 in] Centerline, Power & Signal, 98 Power Positions, 0 Signal Positions



Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
Operation/Application	
Circuit Application	Power & Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	72
Packaging Method	Box
Other	
Position Locations Omitted	0
<b>Product Compliance</b> 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: JAN 2025

Halogen Content

Solder Process Capability

(247)Candidate List Declared Against: JAN 2025(247)Does not contain REACH SVHC

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

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**

#### 5176139-3

Board-to-Board Card Edge Power Connector, 98 Position, 2.54 mm [.1 in] Centerline, Power & Signal, 98 Power Positions, 0 Signal Positions





## Customers Also Bought



#### Documents

**Product Drawings** CONN SEC II 49 POS 100C/L

English

CAD Files

**Customer View Model** 

ENG\_CVM\_CVM\_5176139-3\_F.2d\_dxf.zip

English

#### 3D PDF

3D

**Customer View Model** ENG\_CVM\_CVM\_5176139-3\_F.3d\_igs.zip

English

**Customer View Model** ENG\_CVM\_CVM\_5176139-3\_F.3d\_stp.zip

English

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**Product Specifications Application Specification** 

English