



TE Internal #: 5650616-1  
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

Industry Standards

UL Flammability Rating	UL 94V-0
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Body Features

Primary Product Color	Black
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Mechanical Attachment

Connector Mounting Type	Board Mount
PCB Mount Retention	Without
Mating Retention	Without
Mating Alignment Type	Keyed
Mating Alignment	With
PCB Mount Alignment	Without

Packaging Features

Packaging Quantity	72
Packaging Method	Box

Other



Position Locations Omitted	0
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Termination Features

Termination Post & Tail Length	4.75 mm[.187 in]
Termination Method to PCB	Through Hole - Solder

Dimensions

Card Slot Depth	7.6 mm[.306 in]
Row-to-Row Spacing	4.85 mm[.241 in]
Connector Height	15.6 mm[.72 in]
Power Contact Centerline	2.54 mm[.1 in]

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Type	Socket
Contact Current Rating (Max)	3 A
Contact Mating Area Plating Material	Gold

Housing Features

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

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



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

Electrical Characteristics

Operating Voltage	400 V
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Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
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Operation/Application

Circuit Application	Power & Signal
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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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 #52924  
TERMINAL,PIDG SPR SPD 26-22 6

TE Part #3-1879334-9  
CPF 0603 4R99 1% 50PPM 1K RL

TE Part #2176340-7  
CRGCQ 0603 10R 5%

TE Part #1-1879355-7  
RR03 5% 20K AMMO

Documents

Product Drawings

CONN SEC II 49 POS 100C/L

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5650616-1\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5650616-1\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5650616-1\_B.3d\_stp.zip

English

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Product Specifications

Application Specification

English