

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]**

Connector & Contact Terminates To: **Printed Circuit Board**

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

## Features

### Product Type Features

Connector Mates With	Printed Circuit Board
Connector & Housing Type	Receptacle
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit 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 $\mu\text{in}$ ]
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Contact Type	Socket
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Contact Mating Area Plating Material Thickness	.76 $\mu\text{m}$ [30 $\mu\text{in}$ ]
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PCB Contact Termination Area Plating Material Finish	Matte
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Copper Alloy
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Contact Current Rating (Max)	4.26 A
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Contact Mating Area Plating Material	Gold
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### Termination Features

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

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

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

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



Operating Temperature Range	-55 – 90 °C[-67 – 194 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Industry Standards

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

Packaging Quantity	5
Packaging Method	Tray

### Other

Position Locations Omitted	6
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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 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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

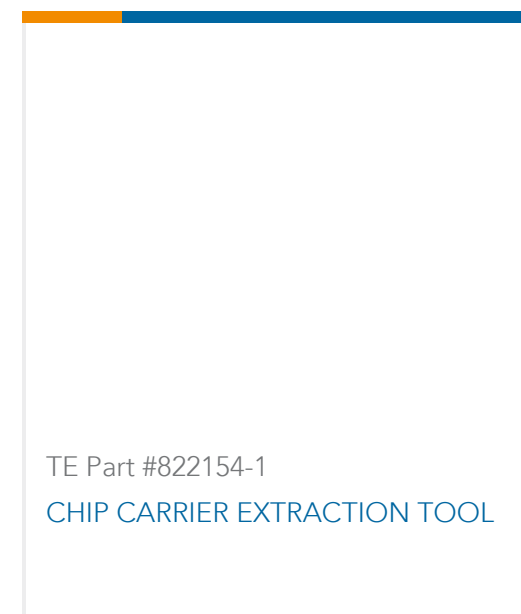
#### Product Compliance Disclaimer

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



## Customers Also Bought



## 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