

# 5650118-3 ✓ ACTIVE

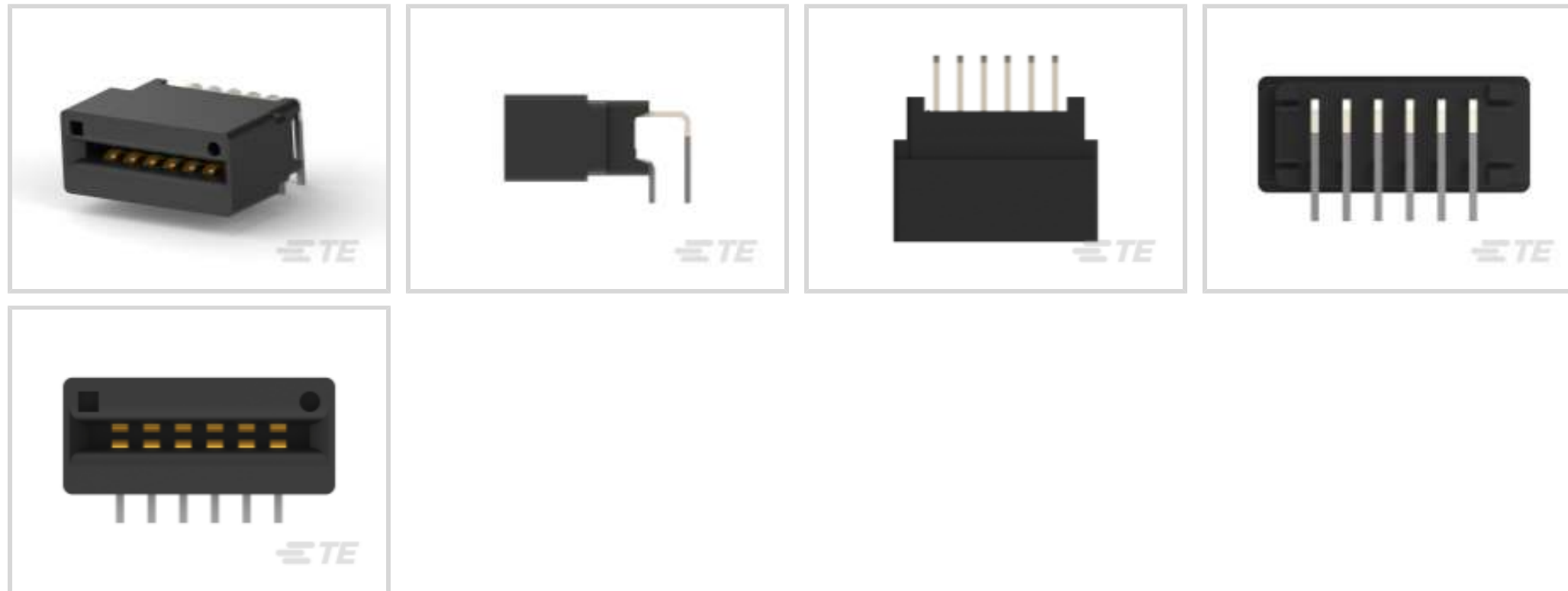
TE Internal #: 5650118-3

Card Edge Power Connectors, Board-to-Board, 12 Position, 2.54 mm [.1 in] Centerline, Power & Signal, 12 Power Positions, 0 Signal Positions

[View on TE.com >](#)



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



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

Number of Positions: **12**

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

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

Contact Current Rating (Max): **3 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	0
PCB Mount Orientation	Right Angle
Number of Positions	12
Number of Power Positions	12
Number of Signal Positions	0
Number of Dual Positions	6

### 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	Phosphor Bronze
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Contact Current Rating (Max)	3 A
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Contact Mating Area Plating Material	Gold
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### Termination Features

Termination Post & Tail Length	2.29 mm[.09 in]
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Termination Method to Printed Circuit Board	Through Hole - Solder
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### Mechanical Attachment

Mating Alignment Type	Keyed
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Mating Retention	Without
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Mating Alignment	With
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PCB Mount Alignment	Without
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PCB Mount Retention	Without
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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	7.57 mm[.303 in]
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Connector Height	15.57 mm[.69 in]
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Row-to-Row Spacing	4.85 mm[.241 in]
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Power Contact Centerline	2.54 mm[.1 in]
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### Usage Conditions

Operating Temperature Range	-55 – 85 $^{\circ}\text{C}$ [-67 – 185 $^{\circ}\text{F}$ ]
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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	280
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Packaging Method	Tray
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### Other

Position Locations Omitted	0
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## Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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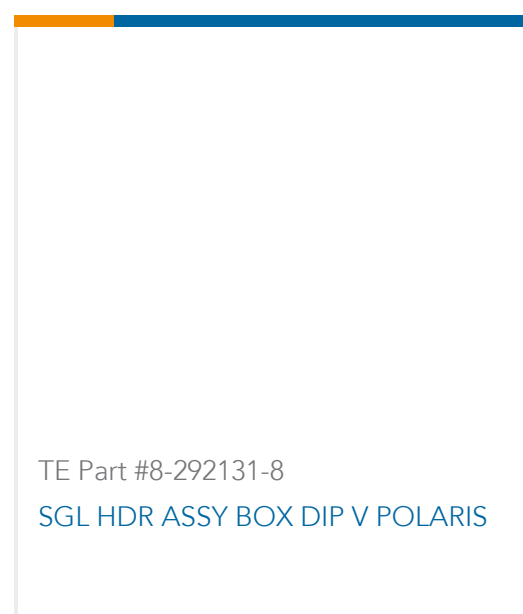
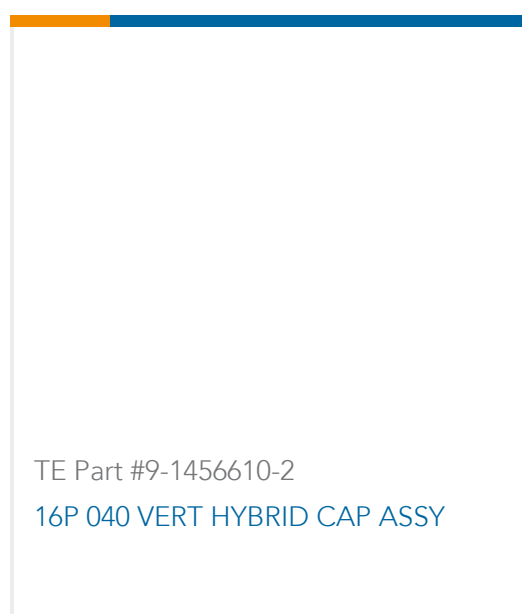
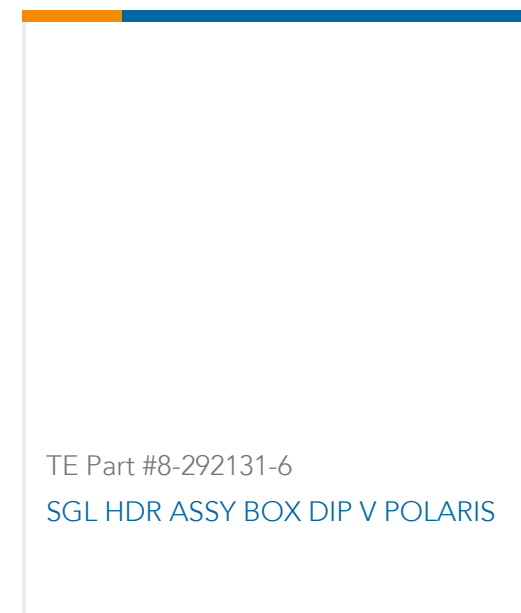
#### Product Compliance Disclaimer

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 SEC II 6 POS 100C/L R/A](#)

English

### CAD Files

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_5650118-3\\_A.2d\\_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5650118-3\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5650118-3\\_A.3d\\_stp.zip](#)

English

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**Product Specifications**

[Application Specification](#)

English

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**Product Environmental Compliance**

[TE Material Declaration](#)

English