

6651290-3 ✓ ACTIVE

## CROWN EDGE

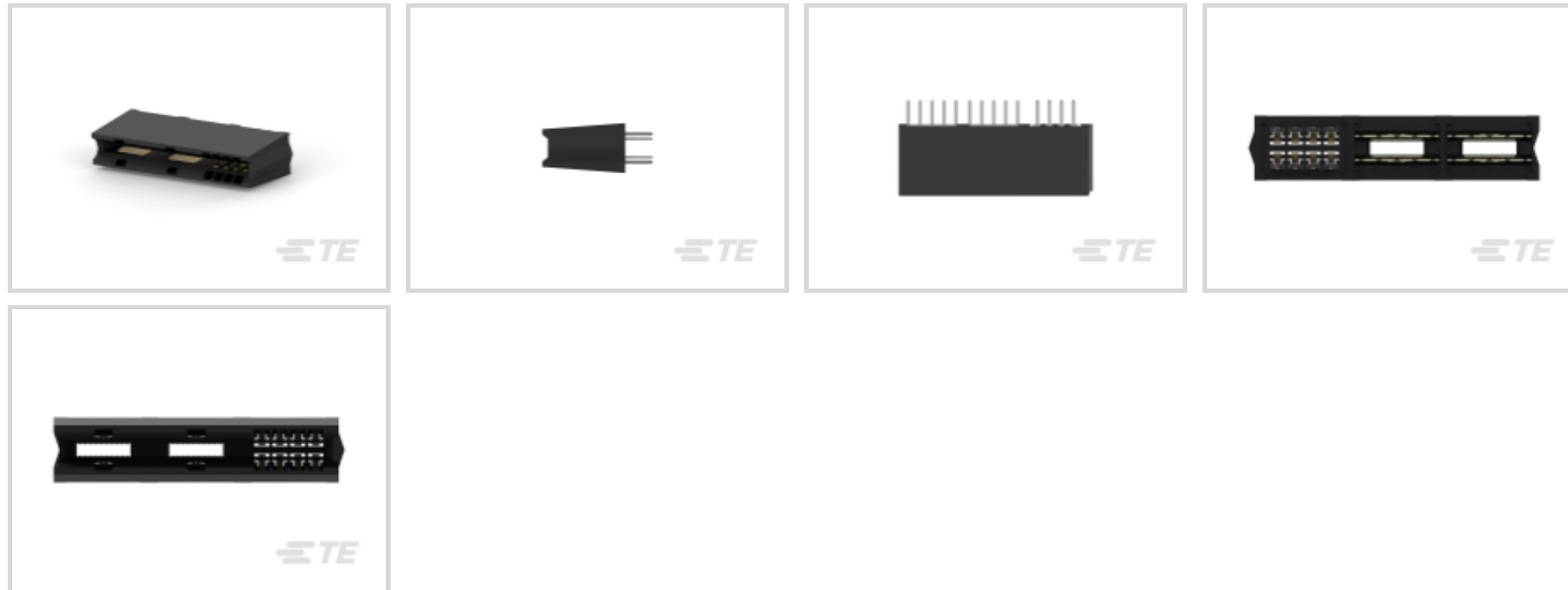
TE Internal #: 6651290-3

Card Edge Power Connectors, Board-to-Board, 12 Position, .098 in [2.5 mm] Centerline, Printed Circuit Board, Power & Signal, CROWN EDGE

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



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

Number of Positions: **12**

Centerline (Pitch): **2.5 mm [ .098 in ]**

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

Contact Current Rating (Max): **3 A, 35 A**

## Features

### Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Housing Type                      | Receptacle            |
| Product Type                      | Connector Assembly    |
| Connector System                  | Board-to-Board        |
| Contact Type                      | Socket                |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

|                            |          |
|----------------------------|----------|
| PCB Mount Orientation      | Vertical |
| Number of Positions        | 12       |
| Number of Power Positions  | 4        |
| Number of Signal Positions | 8        |
| Number of Dual Positions   | 2        |

### Electrical Characteristics

|                   |       |
|-------------------|-------|
| Operating Voltage | 250 V |
|-------------------|-------|

### Contact Features



|  |                          |
|--|--------------------------|
| Signal Contact Plating Material                | Gold                     |
| Power Contact Base Material                    | Phosphor Bronze Alloy    |
| Signal Contact Material                        | Phosphor Bronze Alloy    |
| Power Contact Plating Material                 | Select Gold              |
| Contact Mating Area Plating Material Thickness | .76 $\mu$ m[30 $\mu$ in] |
| Contact Base Material                          | Phosphor Bronze          |
| Contact Current Rating (Max)                   | 3 A, 35 A                |
| Contact Mating Area Plating Material           | Gold                     |
| Contact Termination Area Plating Material      | Tin                      |

### Termination Features

|   |                         |
|---|-------------------------|
| Termination Post & Tail Length              | 4.24 mm, 5.08 mm[.2 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder   |

### Mechanical Attachment

|                         |              |
|-------------------------|--------------|
| PCB Mount Alignment     | With         |
| Connector Mounting Type | Board Mount  |
| Mating Alignment        | With         |
| Mating Alignment Type   | Polarization |

### Housing Features

|                    |                 |
|--------------------|-----------------|
| End Caps           | Without         |
| Centerline (Pitch) | 2.5 mm[.098 in] |
| Housing Color      | Black           |
| Housing Material   | Thermoplastic   |

### Dimensions

|                             |                   |
|-----------------------------|-------------------|
|                             | .508 in           |
| PCB Thickness (Recommended) | 1.57 mm[.062 in]  |
| Module Length               | 39.7 mm[1.563 in] |
| Height                      | 15 mm             |

### Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| 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 Method   | Box |
| Packaging Quantity | 192 |

### Other

|              |                          |
|--------------|--------------------------|
| For Use With | Card Edge or Bus Bar Tab |
|--------------|--------------------------|

### 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 2022 (224)<br>Candidate List Declared Against: JAN 2022 (223)<br>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   |

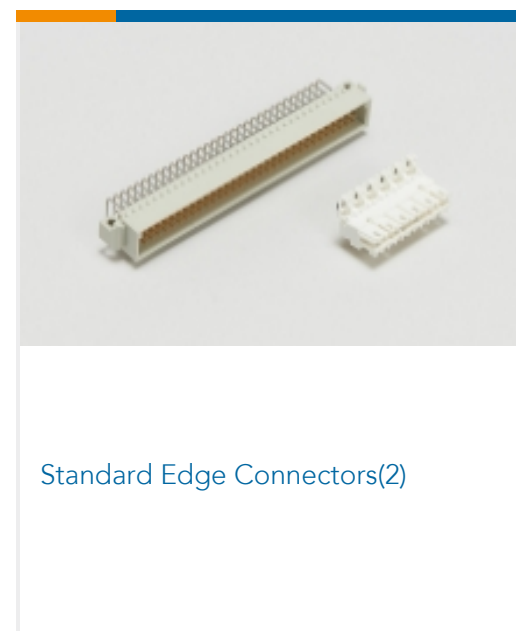
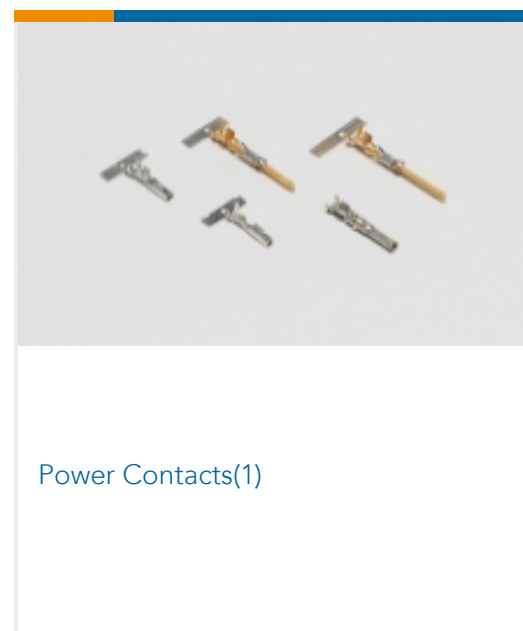
#### Product Compliance Disclaimer

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



## Also in the Series | CROWN EDGE



## Documents

### Product Drawings

[284-0112-12300=TA CONN,SKT,STD](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_6651290-3\\_B.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_6651290-3\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6651290-3\\_B.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[POWER\\_CONNECTORS\\_CATALOG\\_SEC03\\_CARD\\_EDGE](#)

English

### Product Specifications

[Application Specification](#)

English



**Product Environmental Compliance**

**Product Compliance**

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**Product Compliance**

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