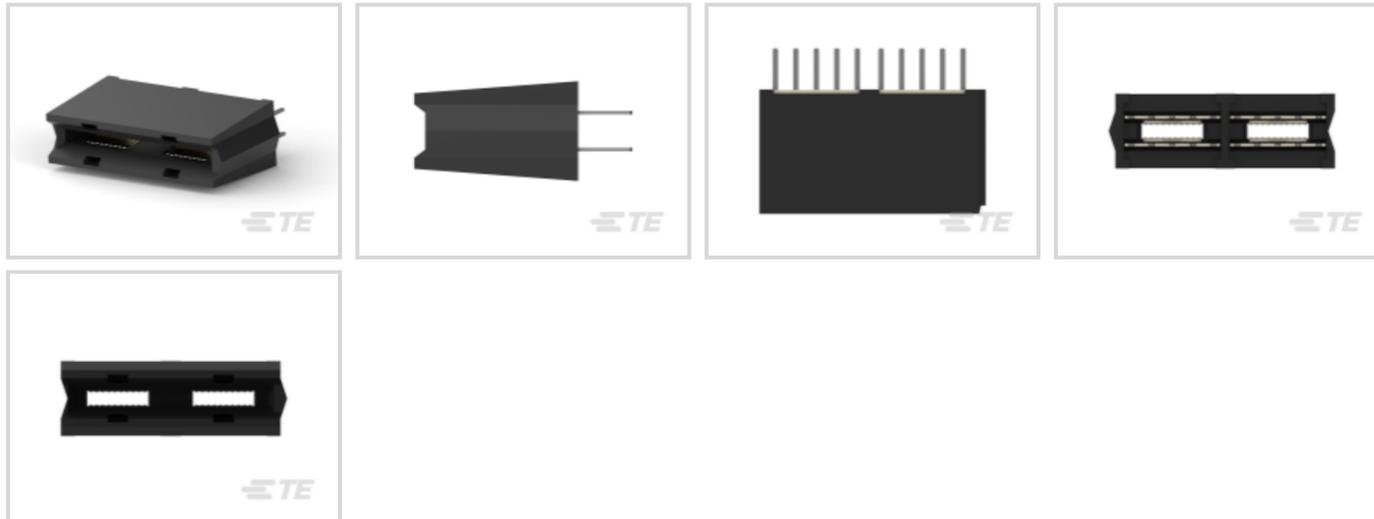# 6651170-1  ✓ ACTIVE

## CROWN EDGE

TE Internal #: 6651170-1

Board-to-Board Card Edge Power Connector, 4 Position, 2.5 mm [.
098 in] Centerline, Power, 4 Power Positions, 0 Signal Positions,
CROWN EDGE

View on TE.com >

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



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

Number of Positions:  **4**

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

Power Contact Centerline:  **[ .508 in ]**

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

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| PCB Mount Orientation | Vertical |
| Number of Positions | 4 |
| Number of Power Positions | 4 |
| Number of Signal Positions | 0 |
| Number of Dual Positions | 2 |

### Electrical Characteristics

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

### Body Features

| | |
|---|---|
| Primary Product Color | Black |

6651170-1

Board-to-Board Card Edge Power Connector, 4 Position, 2.5 mm [.098 in] Centerline,
Power, 4 Power Positions, 0 Signal Positions, CROWN EDGE

## Contact Features

| | |
|---|---|
| | 100 µin |
| Contact Base Material | Phosphor Bronze |
| Power Contact Base Material | Phosphor Bronze Alloy |
| Power Contact Plating Material | Select Gold |
| PCB Contact Termination Area Plating Material | Tin |
| PCB Contact Termination Area Plating Material Finish | Matte |
| Contact Mating Area Plating Material Thickness | .76 µm[30 µin] |
| Contact Current Rating (Max) | 3 A, 35 A |
| Contact Mating Area Plating Material | Gold (Au) |

## Termination Features

| | |
|---|---|
| Termination Post & Tail Length | 5.08 mm[.2 in] |
| Termination Method to PCB | Through Hole - Press-Fit |

## Mechanical Attachment

| | |
|---|---|
| Connector Mounting Type | Board Mount |

## Housing Features

| | |
|---|---|
| Housing Material | Thermoplastic |
| Centerline (Pitch) | 2.5 mm[.098 in] |

## Dimensions

| | |
|---|---|
| PCB Thickness (Recommended) | 3.18 mm[.125 in] |
| Connector Height | 15 mm |
| | .508 in |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |

## Operation/Application

| | |
|---|---|
| Circuit Application | Power |

## Industry Standards

| | |
|---|---|
| UL Flammability Rating | UL 94V-0 |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 192 |

## Product Compliance

Board-to-Board Card Edge Power Connector, 4 Position, 2.5 mm [.098 in] Centerline, Power, 4 Power Positions, 0 Signal Positions, CROWN EDGE

For compliance documentation, visit the product page on TE.com>

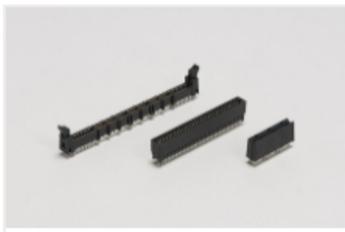| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared 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

## Also in the Series | CROWN EDGE

6651170-1

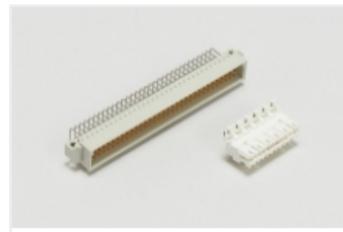Board-to-Board Card Edge Power Connector, 4 Position, 2.5 mm [.098 in] Centerline, Power, 4 Power Positions, 0 Signal Positions, CROWN EDGE

Card Edge Power Connectors(26)
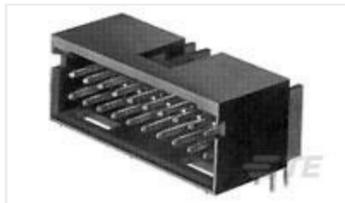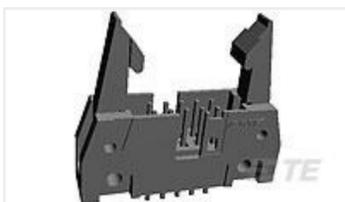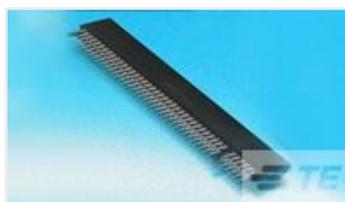
Connector Contacts(1)

Power Contacts(1)

Standard Edge Connectors(2)

## Customers Also Bought

TE Part #A07919-000
T1K-254064-10-9

TE Part #5-102617-3
10 MODII HDR DRRA SHRD LF

TE Part #5-102920-2
MOD IV RECP LP LF

TE Part #640445-7
07P MTA156 HDR ASSY FL/STR SN

TE Part #4-1393779-4
V23101D1106B201(stronger packaging)

TE Part #1473005-4
SEMI-HARD TRAY DDR2 SODIMM SOCKET 200P 5

TE Part #8-2176558-0
3430 B2 1% 1K8 100ppm 1k RL

TE Part #8-2176558-1
3430 B2 1% 2K0 100ppm 1k RL

TE Part #5499374-2
A/L UNIV HDR 14P VERT SHT LAT

TE Part #7-5530843-6
CONN SEC II 6 POS 100C/L

## Documents

### Product Drawings
285-0102-12300=CONN,SKT,SLDR

English

### CAD Files
3D PDF

3D

### Customer View Model
ENG_CVM_CVM_6651170-1_B.2d_dxf.zip

6651170-1

Board-to-Board Card Edge Power Connector, 4 Position, 2.5 mm [.098 in] Centerline, Power, 4 Power Positions, 0 Signal Positions, CROWN EDGE

English

**Customer View Model**

ENG_CVM_CVM_6651170-1_B.3d_igs.zip

English

**Customer View Model**

ENG_CVM_CVM_6651170-1_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