

1766336-1 ACTIVE

MINI CROWN EDGE | CROWN EDGE

TE Internal #: 1766336-1

Card Edge Power Connectors, Board-to-Board, 30 Position, 2.5 mm [.098 in] Centerline, Power & Signal, 12 Power Positions, CROWN EDGE

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



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

Number of Positions: **30**

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

Contact Current Rating (Max): **25 A**

Circuit Application: **Power & Signal**

Features

Product Type Features

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

Configuration Features

| | |
|----------------------------|----------|
| PCB Mount Orientation | Vertical |
| Number of Positions | 30 |
| Number of Power Positions | 12 |
| Number of Signal Positions | 18 |
| Number of Dual Positions | 6 |

Electrical Characteristics

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

Body Features

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

Contact Features

| | |
|---|---|
| PCB Contact Termination Area Plating Material Thickness | 3.05 μm [120 μin] |
| Contact Layout | Inline |
| Contact Type | Socket |
| Contact Mating Area Plating Material Thickness | .76 μm [29.92 μin] |
| PCB Contact Termination Area Plating Material Finish | Matte |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Copper Alloy |
| Contact Current Rating (Max) | 25 A |
| Contact Mating Area Plating Material | Gold |

Termination Features

| | |
|---|---------------|
| Termination Method to Printed Circuit Board | Surface Mount |
|---|---------------|

Mechanical Attachment

| | |
|--------------------------|-------------|
| Mating Retention | With |
| Mating Alignment | With |
| PCB Mount Alignment | Without |
| PCB Mount Retention | With |
| PCB Mount Retention Type | Boardlock |
| Mating Retention Type | Latch |
| Connector Mounting Type | Board Mount |

Housing Features

| | |
|--------------------|------------------------|
| Housing Material | Glass-Filled Polyester |
| Centerline (Pitch) | 2.5 mm [.098 in] |

Dimensions

| | |
|--------------------------|--------------------|
| Accepts Card Thickness | 1.57 mm [.062 in] |
| Card Slot Depth | 6 mm [.236 in] |
| Accepts Card Width | 93.34 mm [3.67 in] |
| Connector Height | 20 mm [.787 in] |
| Row-to-Row Spacing | 6.2 mm [.244 in] |
| Power Contact Centerline | 9.7 mm [.381 in] |

Usage Conditions

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

Operation/Application

Circuit Application

Power & Signal

Industry Standards

Compatible With Agency/Standards Products

CSA, UL

Compatible With Approved Standards Products

CSA 1935071, UL 1977

UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Quantity

26

Packaging Method

Box & Tray, Package

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://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: JAN 2024
(240)Candidate List Declared Against: JAN 2021
(211)

Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900
ppm.

Solder Process Capability

Reflow solder capable to 260°C

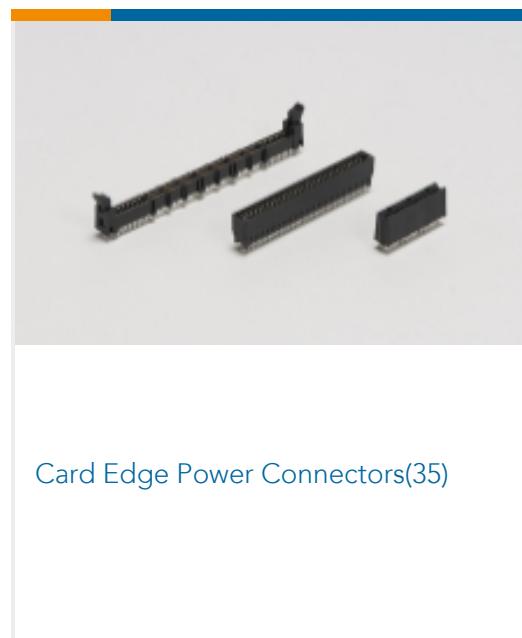
Product Compliance Disclaimer

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>

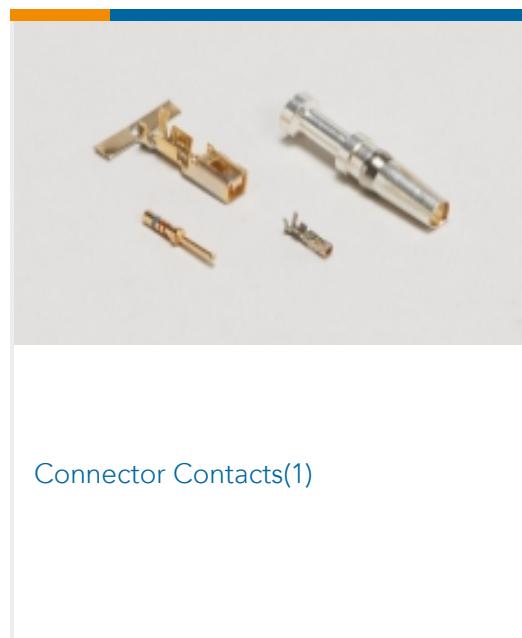
Compatible Parts

TE Part # 2343428-1
HD+ CE, RA, CRPS

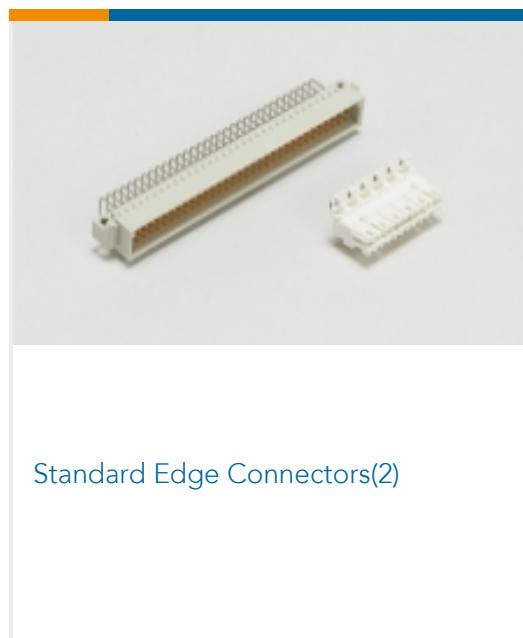
Also in the Series | CROWN EDGE



Card Edge Power Connectors(35)



Connector Contacts(1)



Standard Edge Connectors(2)

Customers Also Bought

TE Part # T4110002031-000
M12,FEMALE,STRAIGHT,A CODE,3P,
PG9,GOLDTE Part # T4130012031-000
M12,REAR MOUNT,MALE,A,3P,
SOLDER WIRETE Part # GA10K3MCD1
MCD PROBE, 10K OHMS,TE Part # 1-1734742-0
.5 FPC VT ZIF Type-A 10 CONTTE Part # 3-641437-3
03P MTA156 PSTD CONN ASSY REDTE Part # 2-520184-2
ULTRAFAST 250 ASSY REC 22-18
TPBR LPTE Part # 1-1734248-0
1.0 FPC, ZIF V/T, SMT, 10PTE Part # 6651712-1
284-0162-03003=TA CONN,SKT

Documents

Product Drawings

283-0172-03003=TA CONN,SKT,SMT

English

CAD Files

3D PDF

3D

Customer View Model[ENG_CVM_CVM_1766336-1_B.2d_dxf.zip](#)

English

Customer View Model[ENG_CVM_CVM_1766336-1_B.3d_igs.zip](#)

English

Customer View Model[ENG_CVM_CVM_1766336-1_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_SEC04_VRM](#)

English

Product Specifications[Application Specification](#)

English