

MINI CROWN EDGE | CROWN EDGE

TE Internal #: 1766336-1 Board-to-Board Card Edge Power Connector, 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

connectivity

Industry Standards

Compatible With Agency/Standards Products	UL, CSA
UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	CSA 1935071, UL 1977
Body Features	
Primary Product Color	Black
Mechanical Attachment	
Connector Mounting Type	Board Mount
Mating Retention Type	Latch
PCB Mount Retention	With
Mating Retention	With
PCB Mount Retention Type	Boardlock
Mating Alignment	With
PCB Mount Alignment	Without

Packaging Features

C For support call+1 800 522 6752

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Packaging Quantity	26
Packaging Method	Package, Box & Tray
Dimensions	
Card Slot Depth	6 mm[.236 in]
Row-to-Row Spacing	6.2 mm[.244 in]
Accepts Card Thickness	1.57 mm[.062 in]
Accepts Card Width	93.34 mm[3.67 in]
Connector Height	20 mm[.787 in]
Power Contact Centerline	9.7 mm[.381 in]
Contact Features	
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.76 μm[29.92 μin]
PCB Contact Termination Area Plating Material Thickness	3.05 μm[120 μin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Type	Socket
Contact Current Rating (Max)	25 A
Contact Mating Area Plating Material	Gold
Housing Features	
Housing Material	Glass-Filled Polyester
Centerline (Pitch)	2.5 mm[.098 in]
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
Product Type Features	
Connector & Contact Terminates To	Printed Circuit Board
Connector Mates With	Printed Circuit Board
Connector & Housing Type	Receptacle

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Connector System	Board-to-Board
Electrical Characteristics	
Operating Voltage	250 V
Termination Features	
Termination Method to PCB	Surface Mount
Usage Conditions	
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Operation/Application	
Circuit Application	Power & Signal
Other	
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant
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 2024 (241) 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

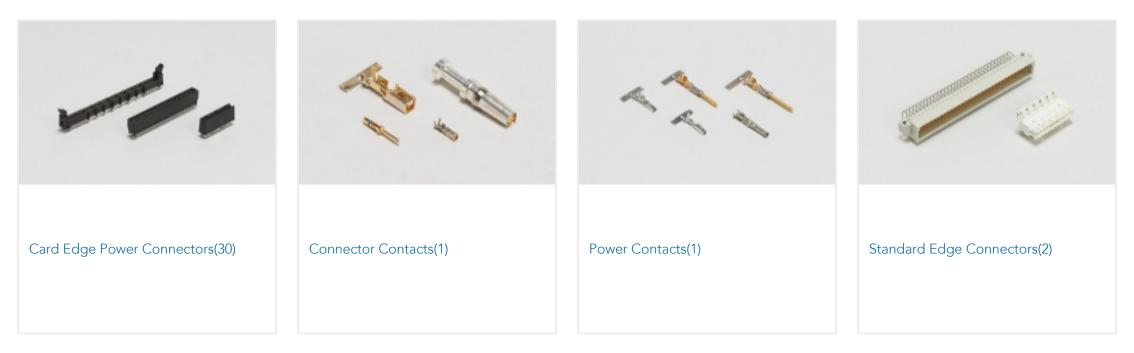
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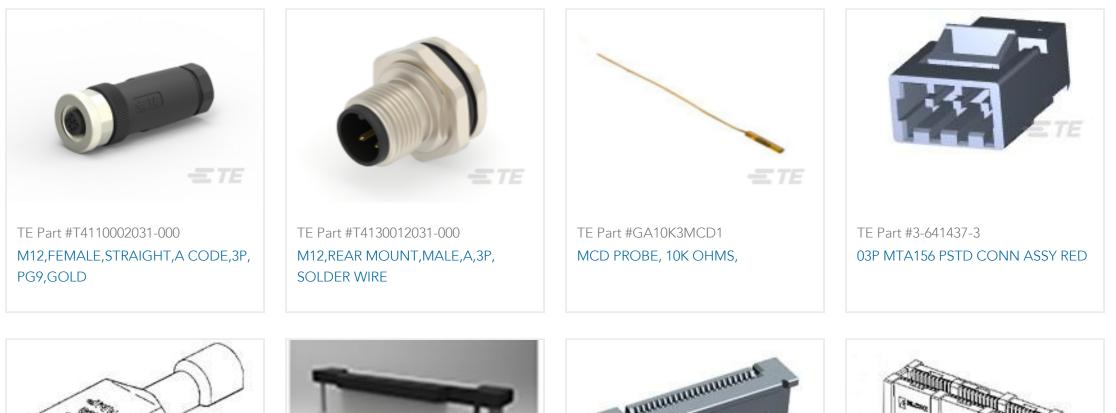
Compatible Parts



Also in the Series | CROWN EDGE



Customers Also Bought



 E Part #2-520184-2

 ULTRAFAST 250 ASSY REC 22-18

 RP

 TE Part #2-520184-2

 ULTRAFAST 250 ASSY REC 22-18

 RP

 Di FPC, ZIF V/T, SMT, 10P

 TE Part #1-1734742-0

 SFPC VT ZIF Type-A 10 CONT

Documents

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

English

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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