

1766436-1 ACTIVE

MINI CROWN EDGE | CROWN EDGE

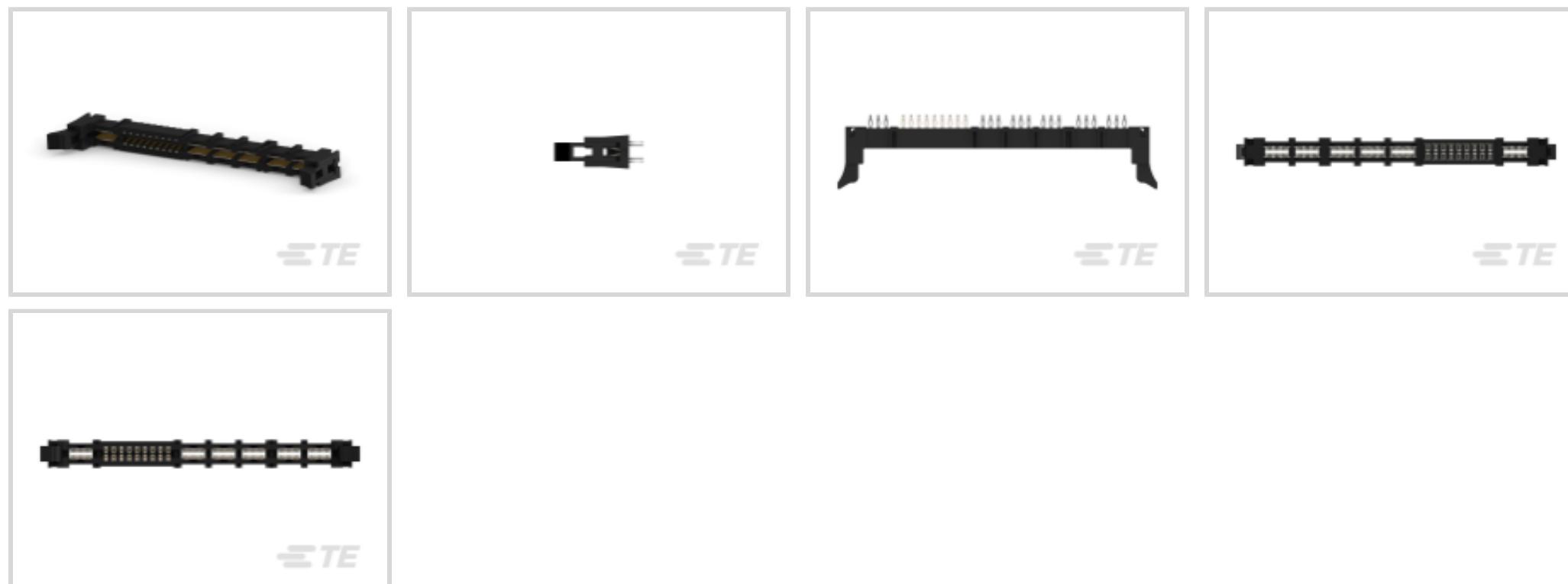
TE Internal #: 1766436-1

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
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Body Features

Primary Product Color	Black
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Contact Features

PCB Contact Termination Area Plating Material Thickness	3.81 μm [150 μin]
Contact Layout	Staggered
Contact Type	Socket
Contact Mating Area Plating Material Thickness	.76 μm [29.92 μin]
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 Post & Tail Length	3.8 mm[.148 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Mechanical Attachment

Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail
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]
PCB Thickness (Recommended)	2.36 mm[.093 in]
Row-to-Row Spacing	3.3 mm[.129 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

32

Packaging Method

Box

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 2024
(240)

Does not contain REACH SVHC

Halogen Content

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

Solder Process Capability

Not applicable for solder process capability

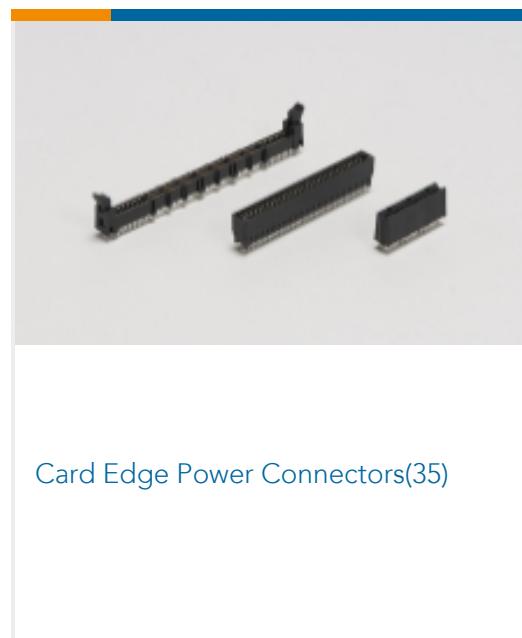
Product Compliance Disclaimer

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>

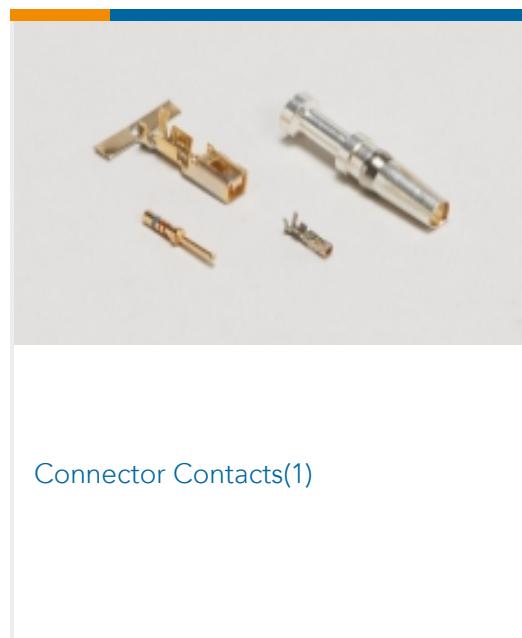
Compatible Parts

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

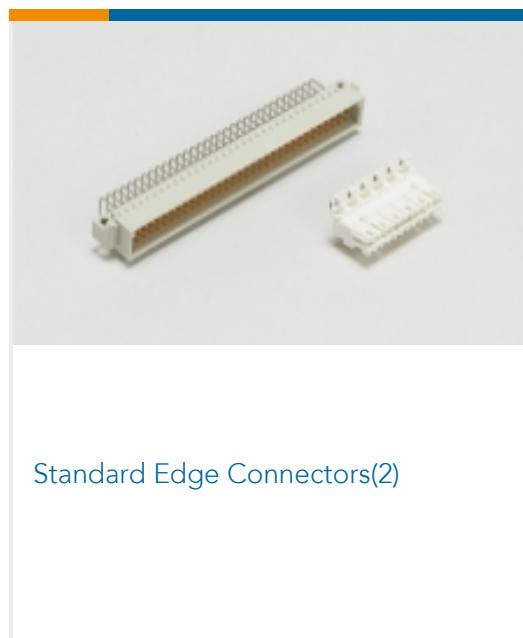
Also in the Series | CROWN EDGE



Card Edge Power Connectors(35)



Connector Contacts(1)



Standard Edge Connectors(2)

Customers Also Bought

TE Part # 3-1589683-3
USS004B5T = STRIP CONTE Part # 1879460-8
RL73N 1J R20 1% 5K RLTE Part # 5646955-3
UPM HEADER ASSEMBLY, 5 POSITIONTE Part # 6367558-3
ASSY Z-DOK+6 ADAPTER BRD 64PRTE Part # 6367580-4
ASSY Z-DOK+4 HOST BOARD 32PRTE Part # 1761687-7
IDC LOW PRO HDR 20P VERT SHT LATTE Part # 6643450-1
ICCON,PIN,ASSY

Documents

Product Drawings

283-0172-04003=TA CONN,SKT

English

CAD Files

3D PDF

3D

Customer View Model[ENG_CVM_CVM_1766436-1_B.2d_dxf.zip](#)

English

Customer View Model[ENG_CVM_CVM_1766436-1_B.3d_igs.zip](#)

English

Customer View Model[ENG_CVM_CVM_1766436-1_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