

1651826-1 ACTIVE

MINI CROWN EDGE | CROWN EDGE

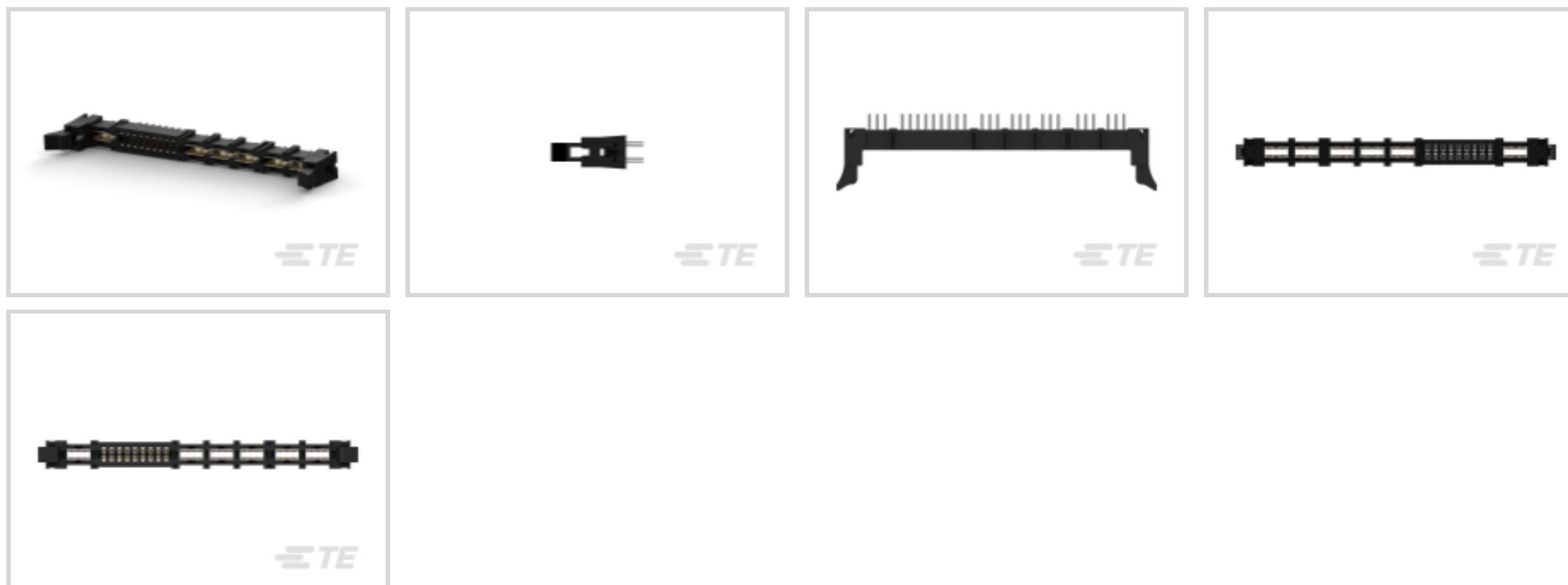
TE Internal #: 1651826-1

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	Mates with Plug
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	3.05 μm [120 μin]
Contact Layout	Staggered
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 Post & Tail Length	4.5 mm[.177 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Blindmate, Keyed
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	Without
Mating Retention Type	Latch
Connector Mounting Type	Board Mount

Housing Features

Housing Material	Thermoplastic
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)	1.57 - 3.18 mm[.062 - .125 in]
Row-to-Row Spacing	3.33 mm
Power Contact Centerline	9.7 mm[.381 in]

Usage Conditions

Operating Temperature Range	-55 - 105 °C[-67 - 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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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 & Tray, Tray

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: 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	Wave solder capable to 265°C

Product Compliance Disclaimer

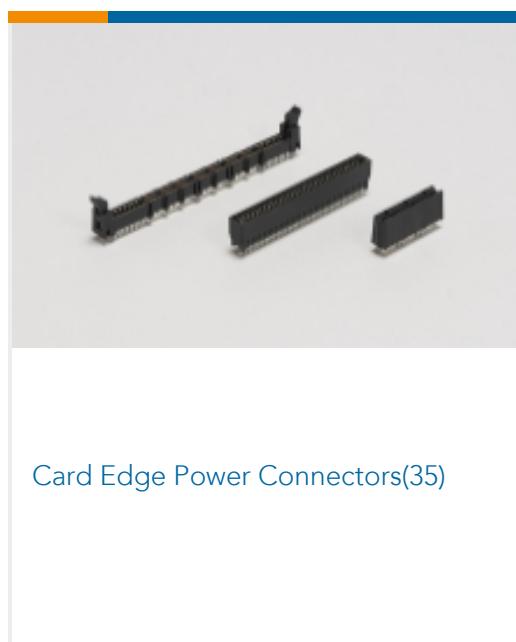
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

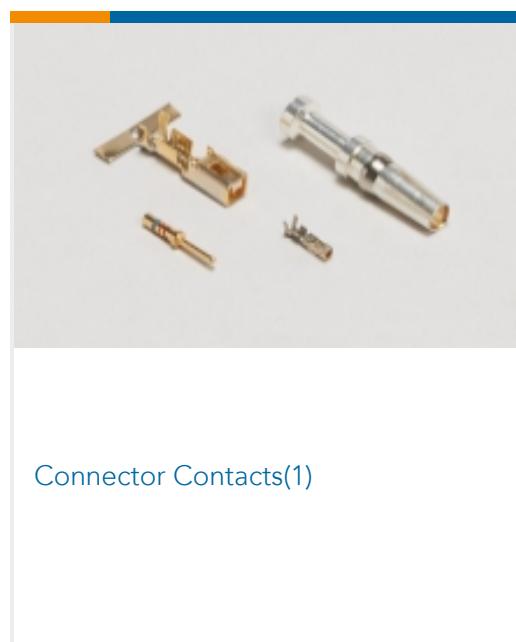


TE Part # 2343428-1
HD+ CE, RA, CRPS

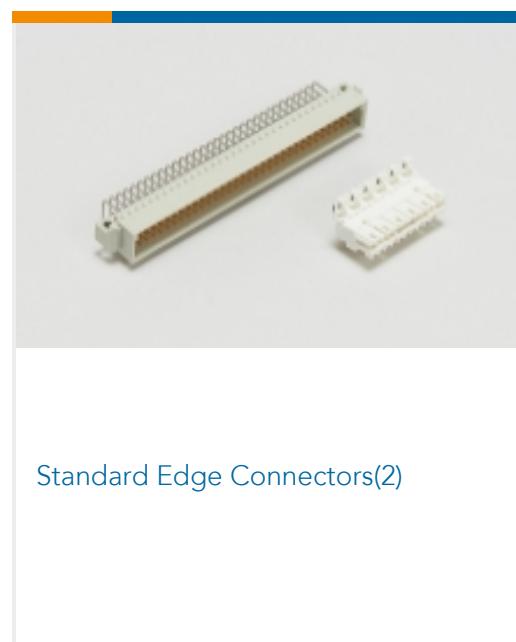
Also in the Series | CROWN EDGE



Card Edge Power Connectors(35)



Connector Contacts(1)



Standard Edge Connectors(2)

Customers Also Bought



TE Part # CX7198-000
RHW-16/4-1200/ADH-0

Documents

Product Drawings

[283-0172-01303=CONN,SKT,CRNEDG](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1651826-1_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1651826-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1651826-1_C.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