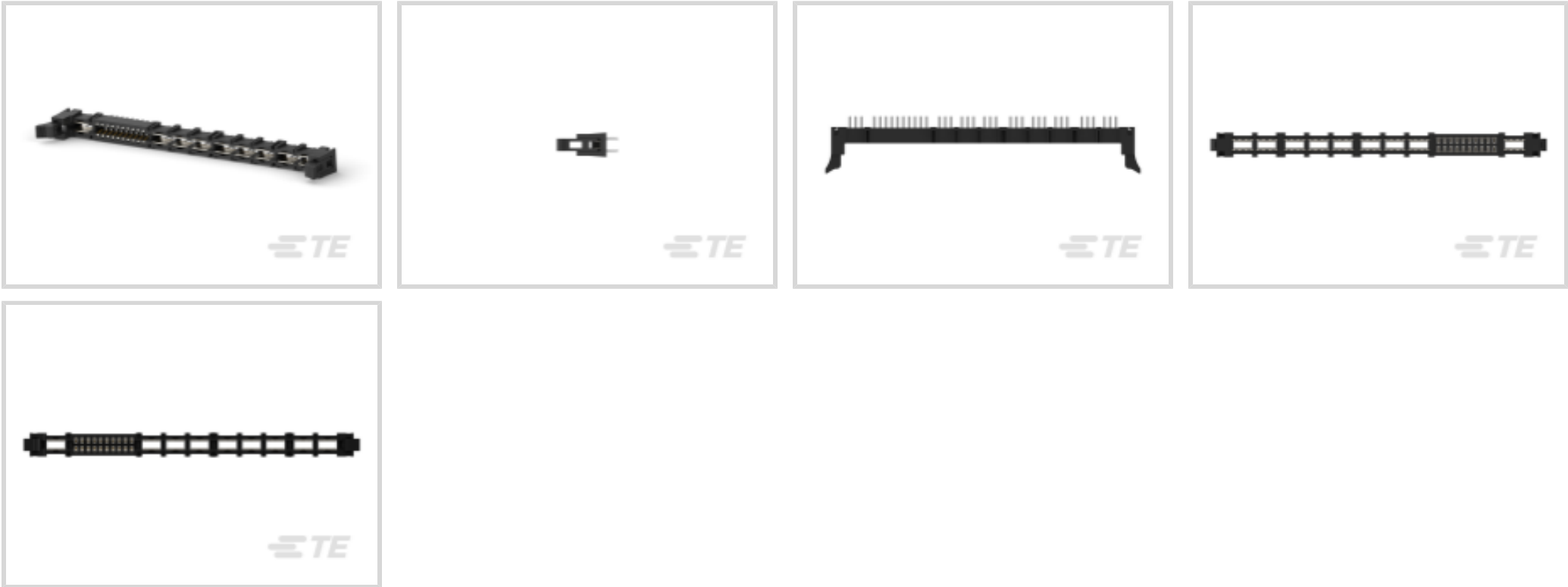




Connectors > PCB Connectors > Card Edge Connectors > Card Edge Power Connectors



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

Number of Positions: **38**

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

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

Circuit Application: **Power & Signal**

Features

Industry Standards

Compatible With Agency/Standards Products	UL, CSA
UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	UL 1977, CSA 1935071

Body Features

Primary Product Color	Black
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Mechanical Attachment

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

Packaging Features

Packaging Quantity	28
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Packaging Method	Box
Termination Features	
Termination Post & Tail Length	4.5 mm[.177 in]
Termination Method to PCB	Through Hole - Solder
Dimensions	
Card Slot Depth	6 mm[.236 in]
Row-to-Row Spacing	4.11 mm[.16 in]
Accepts Card Thickness	2.36 mm[.093 in]
Accepts Card Width	126.64 mm[4.99 in]
PCB Thickness (Recommended)	1.57 – 3.18 mm[.062 – .125 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	Staggered
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	38
Number of Power Positions	18
Number of Signal Positions	20
Number of Dual Positions	9
Product Type Features	



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

Electrical Characteristics

Operating Voltage	250 V
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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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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: 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

Card Edge Power Connectors(30)

Connector Contacts(1)

Power Contacts(1)

Standard Edge Connectors(2)

Customers Also Bought

TE Part #1-1630027-0
HSC300 2R4 5%

TE Part #5-534206-4
08 MODII VRT DR CE 100/115

Documents

Product Drawings
284-0223-01303=CONN,SKT,MINI
English

CAD Files
Customer View Model
ENG_CVM_CVM_1766442-1_C.2d_dxf.zip
English
3D PDF
3D



Customer View Model

[ENG_CVM_CVM_1766442-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1766442-1_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