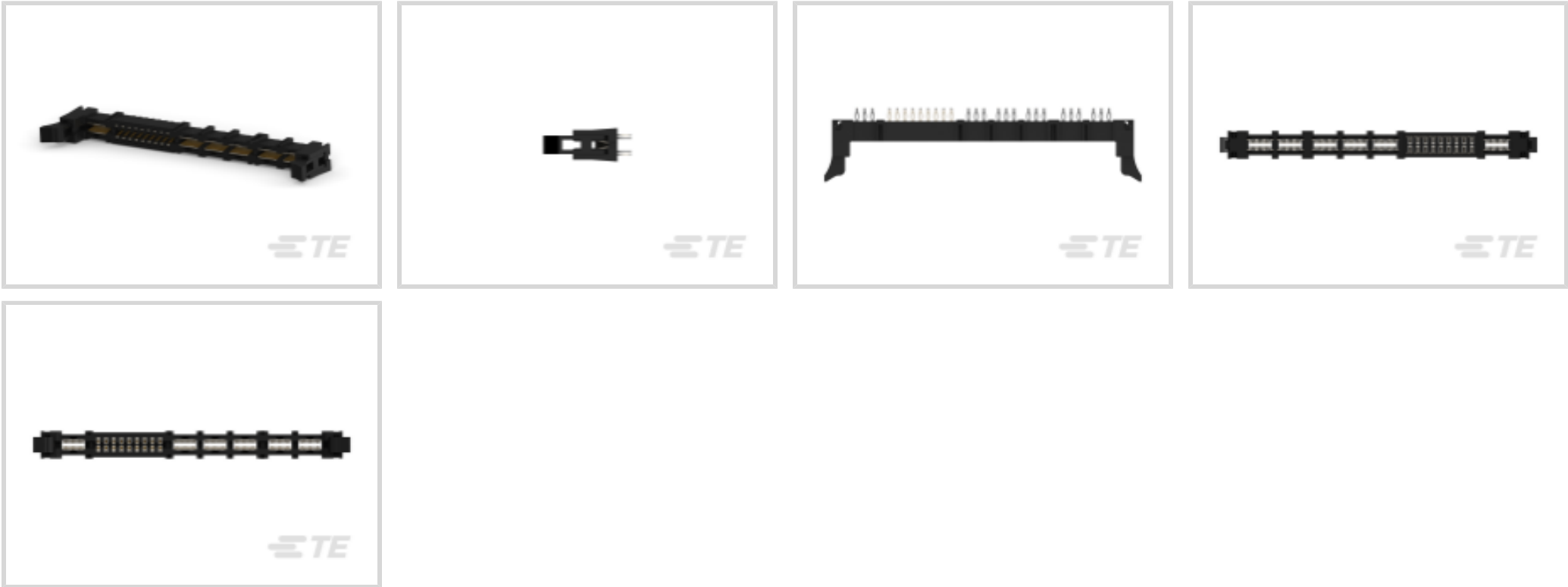




Connectors > PCB Connectors > Card Edge Connectors > Card Edge Power Connectors



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

Contact Mating Area Plating Material Thickness	.76 µm[29.92 µin]
PCB Contact Termination Area Plating Material Thickness	3.81 µm[150 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 (Au)

Termination Features

Termination Post & Tail Length	3.8 mm[.148 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

Connector Mounting Type	Board Mount
Mating Retention Type	Latch
PCB Mount Retention	With
Mating Retention	With
PCB Mount Retention Type	Action/Compliant Tail
Mating Alignment	With
PCB Mount Alignment	Without

Housing Features

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

Dimensions

Card Slot Depth	6 mm[.236 in]
Row-to-Row Spacing	3.3 mm[.129 in]
Accepts Card Thickness	1.57 mm[.062 in]
Accepts Card Width	93.34 mm[3.67 in]
PCB Thickness (Recommended)	2.36 mm[.093 in]
Connector Height	20 mm[.787 in]
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
UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	CSA 1935071, UL 1977

Packaging Features

Packaging Quantity	32
Packaging Method	Box

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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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(30)

Connector Contacts(1)

Power Contacts(1)

Standard Edge Connectors(2)

Customers Also Bought

TE Part #5-104477-2
20 SYSTEM 50 HDR DRRA SHRD SN

TE Part #2198339-8
zSFP+ STACKED 2X6 RECEPTACLE ASSEMBLY

TE Part #3-1589683-3
USS004B5T = STRIP CON

TE Part #1879460-8
RL73N 1J R20 1% 5K RL

TE Part #6367580-4
ASSY Z-DOK+4 HOST BOARD 32PR

TE Part #2057404-1
IMP100S,R,RA2P10C,RG,39

TE Part #6643450-1
ICCON,PIN,ASSY

TE Part #1761687-7
IDC LOW PRO HDR 20P VERT SHT LAT

TE Part #5646955-3
UPM HEADER ASSEMBLY, 5 POSITIO

TE Part #6367558-3
ASSY Z-DOK+6 ADAPTER BRD 64PR



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