



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



Connector System: **Board-to-Board**
Number of Positions: **44, 46**
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	44, 46
Number of Power Positions	14
Number of Signal Positions	30
Number of Dual Positions	7

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 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 (Au)

Termination Features

Termination Post & Tail Length	4.5 mm[.177 in]
Termination Method to PCB	Through Hole - Solder

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

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	2.5 mm[.098 in]

Dimensions

Row-to-Row Spacing	5.87 mm[.231 in]
Accepts Card Thickness	2.36 mm[.093 in]
Accepts Card Width	120.4 mm[4.74 in]
PCB Thickness (Recommended)	1.57 – 3.18 mm[.062 – .125 in]
Connector Height	20.9 mm[.823 in]
Power Contact Centerline	9.7 mm[.381 in]

Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °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	8
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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

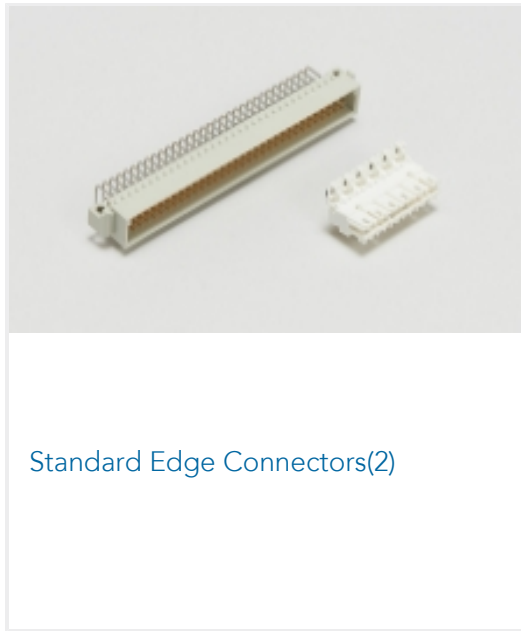
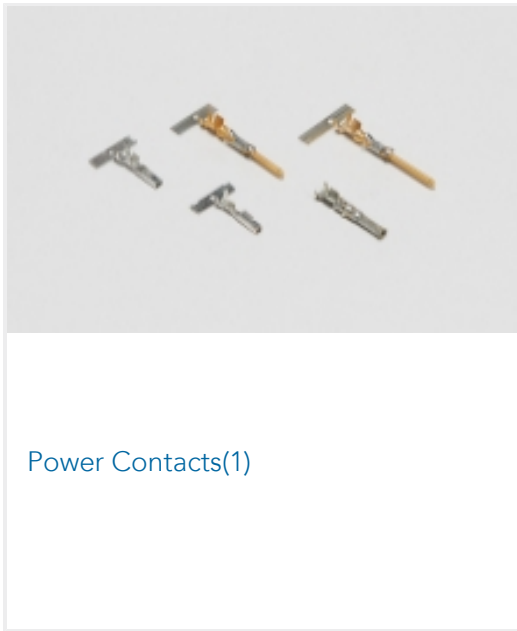
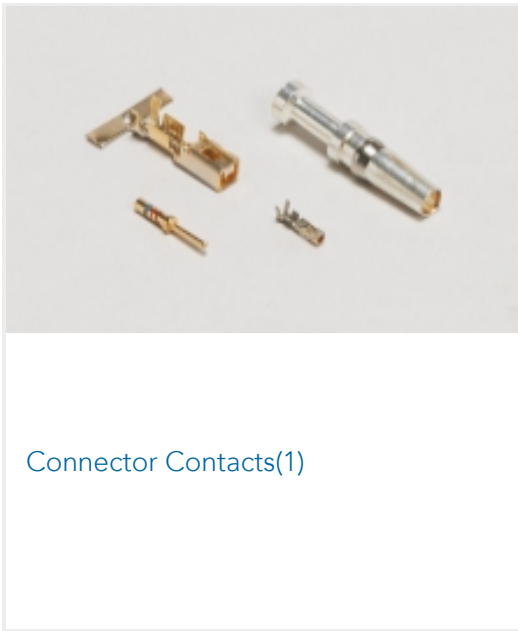
Product Compliance Disclaimer

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



Also in the Series | CROWN EDGE



Customers Also Bought





Documents

Product Drawings
284-0313-01303=TA CONN,SKT
English

CAD Files
Customer View Model
ENG_CVM_CVM_1766308-1_E.2d_dxf.zip
English
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1766308-1_E.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_1766308-1_E.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