6643460-1 ✔ ACTIVE

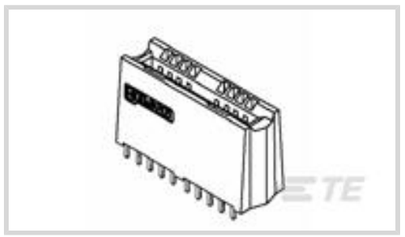
CROWN EDGE

TE Internal #: 6643460-1

Board-to-Board, 10 Position, 2.5 mm [.098 in] Centerline, Power & Signal, 2 Power Positions, CROWN EDGE, Card Edge Power Connectors

View on TE.com >

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



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

Number of Positions: **10**

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

Contact Current Rating (Max): **35 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

Mating & Unmating Configuration	Hot Pluggable
PCB Mount Orientation	Vertical
Number of Positions	10
Number of Power Positions	2
Number of Signal Positions	8
Number of Dual Positions	0

Electrical Characteristics

Operating Voltage	250 V

Body Features

Primary Product Color	Black

Contact Features

Signal Contact Plating Material	Select Gold
Signal Contact Material	Phosphor Bronze Alloy

Power Contact Base Material	Phosphor Bronze Alloy
Power Contact Plating Material	Select Gold
	100 µin
Contact Type	Socket
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	35 A
Contact Mating Area Plating Material	Gold

Termination Features

Termination Post & Tail Length	3.56 mm, 4.06 mm[.14 in][.159 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Height	15 mm[.591 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
	.508 in

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	192
Packaging Method	Box

Product Compliance

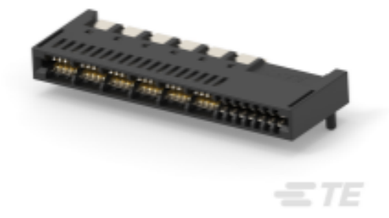
For compliance documentation, visit the product page on TE.com>

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2022 (224) 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

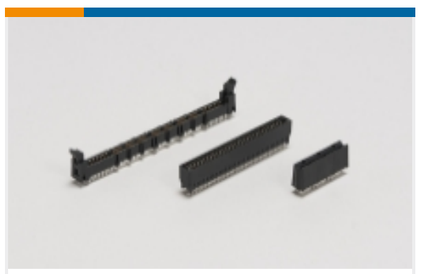
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

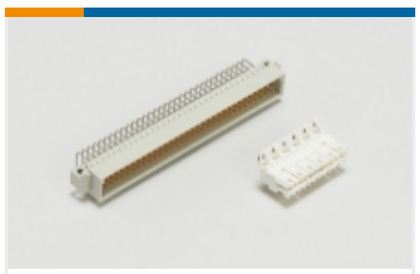
Also in the Series | CROWN EDGE



Card Edge Power Connectors(31)

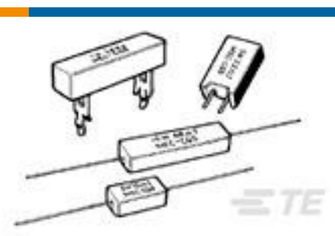


Connector Contacts(1)



Standard Edge Connectors(2)

Customers Also Bought



TE Part #1623795-2
SQP10 10R 5% WIRE



TE Part #1761426-3
CONNECTOR ASSY, ULTRA HIGH CURRENT CARD



TE Part #3-2176339-8
CRGCQ 0603 12K 1%



TE Part #350180
TEST PROBE ASSEMBLY, REC, PA66, BLACK



TE Part #350180-2
TEST PROBE REC130L SPCL RED GPBR



TE Part #3-2176456-0
CPF 0603 2R0 0.1% 25ppm 1K RL

Documents

Product Drawings

285-0112-12100=CONN,SKT,SLDR

English

CAD Files

Customer View Model

ENG_CVM_CVM_6643460-1_C.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6643460-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6643460-1_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_SEC03_CARD_EDGE

English

Product Specifications

Application Specification

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

1903112-2 ROX05SJ18R SMW73R0JT SBCHE64R7K 1-794222-0 3430B2F51RTDF 3631B101LL MPT100C18RF RH73H2A40MKTN SBCHE154R7K 175977-2 2-292161-3 917696-1 936348-1 141991-2 1969656-1 CRGCQ2010J3K3 1-962915-1 1743455-2 2005330-1 650075-000 CPF0402B37K4E1 TE50BR39J 1393431-1 2310537-1 2380312-2 2377783-2 2834055-1 3-1393225-0 U5254-000005-030PA