5650118-2 ✔ ACTIVE

TE Internal #: 5650118-2

Card Edge Power Connectors, Board-to-Board, 20 Position, .1 in [2.54 mm] Centerline, Printed Circuit Board, Power & Signal, 20 Power Positions

View on TE.com >

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

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

Number of Positions: **20**

Centerline (Pitch): **2.54 mm [.1 in]**

Connector & Contact Terminates To: **Printed Circuit Board**

Contact Current Rating (Max): **3 A**

Features

Product Type Features

Housing Type	Receptacle
Product Type	Connector Assembly
Connector System	Board-to-Board
Contact Type	Socket
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Keying & Polarized Position Locations	0
PCB Mount Orientation	Right Angle
Number of Positions	20
Number of Power Positions	20
Number of Signal Positions	0
Number of Dual Positions	10

Electrical Characteristics

Operating Voltage	400 V

Contact Features

Contact Termination Area Plating Finish	Bright
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	3 A
Contact Mating Area Plating Material	Gold
Contact Termination Area Plating Material	Tin-Lead
Contact Termination Area Plating Thickness	2.54 µm

Termination Features

Termination Post & Tail Length	2.29 mm[.09 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

End Caps	Without
Centerline (Pitch)	2.54 mm[.1 in]
Housing Color	Black
Housing Material	Polyester GF

Dimensions

Card Slot Depth	7.56 mm[.302 in]
Power Contact Centerline	2.54 mm[.1 in]
Height	15.56 mm[.68 in]

Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]

Operation/Application

Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Tray
Packaging Quantity	252

Other

Position Locations Omitted	0

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 2022 (224) 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

Documents

Product Drawings

CONN SEC II 10 POS 100C/L R/A

English

CAD Files

Customer View Model

ENG_CVM_CVM_5650118-2_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5650118-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5650118-2_A.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

Product Environmental Compliance

TE Material Declaration

English