

2340164-1 ✓ ACTIVE

TE Internal #: 2340164-1

Board-to-Board Card Edge Power Connector, 52 Position, 1 mm / 5.08 mm [.039 in / .2 in] Centerline, Power & Signal, 8 Power Positions

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



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

Number of Positions: **52**

Centerline (Pitch): **1 mm, 5.08 mm [.039 in, .2 in]**

Contact Current Rating (Max): **50 A**

Circuit Application: **Power & Signal**

Features

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board
Card Edge Type	HD+

Configuration Features

Number of Positions	52
Number of Power Positions	8
Number of Signal Positions	44

Electrical Characteristics

Operating Voltage	100 V
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Contact Features

Contact Underplating Material	Nickel
Contact Mating Area Plating Material Thickness	.76 μm [30 μin]
Contact Current Rating (Max)	50 A
Contact Mating Area Plating Material	Gold (Au)



Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Centerline (Pitch)	1 mm, 5.08 mm [.039 in] [.2 in]
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Dimensions

Power Contact Centerline	5.08 mm [.2 in]
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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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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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed 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



Customers Also Bought



Documents

Product Drawings

2X2P-2X22S, VERTICAL,HD+ CE

English



CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2340164-1_A1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2340164-1_A1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2340164-1_A1.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English