

2340165-1 ✓ ACTIVE

TE Internal #: 2340165-1

Card Edge Power Connectors, Board-to-Board, 92 Position, 5.08 mm [.2 in] Centerline, Power & Signal, 8 Power Positions, 84 Signal Positions

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



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

Number of Positions: **92**

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

Contact Current Rating (Max): **31 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 | 92 |
| Number of Power Positions | 8 |
| Number of Signal Positions | 84 |
| Number of Dual Positions | 46 |

Electrical Characteristics

| | |
|-------------------|-------|
| Operating Voltage | 100 V |
|-------------------|-------|

Contact Features

| | |
|--|--------------------------|
| Contact Mating Area Plating Material Thickness | .76 μ m[30 μ in] |
| Contact Current Rating (Max) | 31 A |
| Contact Mating Area Plating Material | Gold |



Termination Features

| | |
|---|---------------|
| Termination Method to Printed Circuit Board | Surface Mount |
|---|---------------|

Mechanical Attachment

| | |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
|-------------------------|-------------|

Housing Features

| | |
|--------------------|-----------------|
| Centerline (Pitch) | 5.08 mm [.2 in] |
|--------------------|-----------------|

Dimensions

| | |
|--------------------------|-----------------|
| Power Contact Centerline | 5.08 mm [.2 in] |
|--------------------------|-----------------|

Usage Conditions

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

Operation/Application

| | |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

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 2024 (241) 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

2X4P-2X42S, STRADDLE, HD+ CE

English

CAD Files

Customer View Model

[ENG_CVM_CVM_2340165-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2340165-1_A.3d_stp.zip](#)

English

Customer View Model



[ENG_CVM_CVM_2340165-1_A.3d_igs.zip](#)

English

[3D PDF](#)

3D

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[Product Specifications](#)

[Application Specification](#)

English

[Agency Approvals](#)

[UL Report](#)

English