TE Internal #: 2170231-2

TE Internal Description: Hybrid Card Edge Power Connect

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



Connector System: Board-to-Board

Number of Positions: 20

Centerline (Pitch): 6.84 mm, 8.24 mm [ .27 in, .324 in ]

Contact Current Rating (Max): 15 A

Circuit Application: Power & Signal

# **Features**

### **Product Type Features**

Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board

# **Configuration Features**

PCB Mount Orientation	Vertical
Number of Positions	20
Number of Power Positions	16
Number of Signal Positions	4
Number of Dual Positions	8

#### **Electrical Characteristics**

# **Body Features**

Primary Product Color	Black
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#### **Contact Features**

Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Contact Current Rating (Max)	15 A
Contact Mating Area Plating Material	Gold (Au)

#### **Termination Features**



Termination Post & Tail Length	3.5 mm[.138 in]
Termination Method to PCB	Through Hole - Press-Fit
Mechanical Attachment	
Connector Mounting Type	Board Mount
PCB Mount Retention	With
Housing Features	
Housing Material	Polyester GF
Centerline (Pitch)	6.84 mm, 8.24 mm[.27 in][.324 in]
Dimensions	
Power Contact Centerline	2 mm[.078 in]
Operation/Application	
Circuit Application	Power & Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Other	

# **Product Compliance**

Position Locations Omitted

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: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

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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

# Customers Also Bought



TE Part #2-1462051-4

HF3 93S = 50OHM 140MW 5V BIST

2COIL



TE Part #2007194-1
SFP+ 1x1 Cage Assembly, PCI, Solder



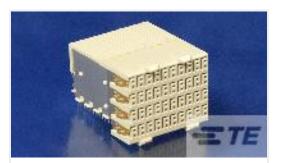
TE Part #6469048-1 HMZD 4PR RA HDR 80P ASSY LF



TE Part #3-640440-2 02P MTA100 CONN ASSY 22AWG RED



TE Part #3-644456-3
03P MTA100 HDR ASSY (NARROW)



TE Part #2065657-1 zd Plus, 4 pair, receptacle assy



TE Part #1717832-2 MINI PCI EXPRESS EMBOSS TAPE LATCH



TE Part #1775862-2 mSATA/mini PCI-E 5.2H Type I G/F



#### **Documents**

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2170231-2\_B.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2170231-2\_B.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.



**Product Specifications** 

**Application Specification** 

English

Agency Approvals

**UL Report** 

English