



TE Internal #: 2170231-1

Card Edge Power Connectors, Board-to-Board, 40 Position, 8.24 mm / 6.84 mm [.324 in / .27 in] Centerline, Power & Signal, 16 Power Positions

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

Number of Positions: **40**

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	40
Number of Power Positions	16
Number of Signal Positions	24
Number of Dual Positions	8

Electrical Characteristics

Operating Voltage	300 V
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Body Features

Primary Product Color	Black
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Contact Features

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

Termination Features

Termination Post & Tail Length	3.5 mm[.138 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Mechanical Attachment

PCB Mount Retention	With
Connector Mounting Type	Board Mount

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]
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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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Industry Standards

UL Flammability Rating	UL 94V-0
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Other

Position Locations Omitted	0
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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 2024 (240)



Candidate List Declared Against: JAN 2024 (240)
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

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

Customers Also Bought



TE Part # 5353999-1

0.8FH,R05H.5,040,30/Sn,TR,SC



TE Part # 2391079-1

Matenet, header, 2x2 port, code A



TE Part # 2390730-4

ADAPTOR SMB TO FAKRA,ASSY, 180DEG,COD D



TE Part # 1-6450871-0


MBXLE R/A RCPT 20S+6P



TE Part # 1892200-5
MBXLE R/A HDR 2P+24S+2P solder

TE Part # 2170184-2
20 POS SMT CONN, SFP+, 30A

TE Part # 2274157-5
SFP+ assy 2x2 Spring Fingers 4 LP Sn



TE Part # 2319224-6
zSFP+ STACKED 2X6 RECEPTACLE ASSEMBLY

TE Part # 4-5223008-1
FB-5R,ASY,030,SIG,REC,EN,3.55

Documents

Product Drawings

Hybrid Card Edge Power Connect

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2170231-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2170231-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2170231-1_B.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English