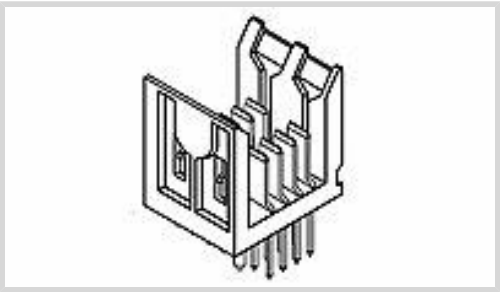




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **8**

Centerline (Pitch): **2 mm [.079 in]**

Features

Product Type Features

Header Type	Partially Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	8
Interface Type	Futurebus+
PCB Mount Orientation	Vertical
Number of Power Positions	8
Number of Signal Positions	0
Number of Rows	4

Electrical Characteristics

Operating Voltage	30 VDC
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Contact Features

Contact Layout	Matrix
Contact Base Material	Phosphor Bronze



Contact Current Rating (Max)	3 A, 5 A
Contact Retention Within Housing	With
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Termination Area Plating Thickness	3.81 – 8.89 µm[150 – 350 µin]

Termination Features

Termination Post & Tail Length	3.43 mm[.135 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit, Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarizing Rib
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2 mm[.079 in]
Housing Color	Natural
Housing Material	LCP (Liquid Crystal Polymer)

Dimensions

Row-to-Row Spacing	2 mm[.079 in]
Mating Post Length	6.5 mm[.256 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Height	17 mm[.668 in]
Width	16 mm[.622 in]

Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Power

Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire



Packaging Features

Packaging Method	Tube
Packaging Quantity	48

Other

For Use With	Receptacle Assembly
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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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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	Pin-in-Paste capable to 260°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 # 5536607-1  
2MM FB,ASY,008,PWR,REC,SL,2.73

TE Part # 5536613-1  
2MM FB,ASY,008,PWR,REC,SL,3.53

TE Part # 5223173-1  
2MM FB,PWR,HDR,ASY,008,SEQ

TE Part # 5223175-1  
2MM FB,ASY,010,PWR,REC,EN,SEQ

Also in the Series | Z-PACK Future Bus+

Backplane Connector Housings(19)

Hard Metric Backplane Connectors(1)

Rectangular Power Connectors(35)

Documents

Product Drawings

2MMFB,ASY,008,PWR,HDR,SL,4.25

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5536600-1\_O.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5536600-1\_O.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5536600-1\_O.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\_SEC01\_BOARD\_TO\_BOARD

English

Product Specifications

Application Specification

English

5536600-1

Rectangular Power Connectors, Header, Plug, Board-to-Board, 8 Position, 2 mm [.079 in] Centerline, Printed Circuit Board, UL 94V-0, Z-PACK Future Bus+

