

5536676-1 ✓ ACTIVE

Z-PACK | Z-PACK Future Bus+

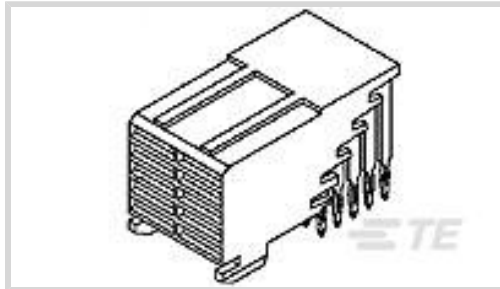
TE Internal #: 5536676-1

Rectangular Power Connectors, Connector Assembly, Receptacle,
Board-to-Board, 10 Position, 2 mm [.079 in] Centerline, Z-PACK
Future Bus+

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **10**

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

Features

Product Type Features

Rectangular Power Connector Type	Connector Assembly
Connector & Housing Type	Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	10
Interface Type	Futurebus+
PCB Mount Orientation	Right Angle
Number of Power Positions	10
Number of Signal Positions	0
Number of Rows	5

Electrical Characteristics

Operating Voltage	30 VDC
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Contact Features

Contact Layout	Matrix
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	5 A



Contact Retention Within Housing	With
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Contact Type	Receptacle
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PCB Contact Termination Area Plating Material	Tin
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Contact Mating Area Plating Material	Gold Flash
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Contact Mating Area Plating Material Thickness	.76 μm [29.92 μin]
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Contact Termination Area Plating Thickness	1.27 μm [50 μin]
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Termination Features

Termination Post & Tail Length	3.56 mm[.14 in]
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Termination Method to Printed Circuit Board	Through Hole - Press-Fit, Through Hole - Solder
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Mechanical Attachment

Mating Alignment Type	Polarizing Rib
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PCB Mount Retention Type	Solder Peg
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Connector Mounting Type	Board Mount
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Housing Features

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

Row-to-Row Spacing	2 mm[.079 in]
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Height	13.3 mm[.523 in]
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Usage Conditions

Operating Temperature Range	-55 – 125 $^{\circ}\text{C}$ [-67 – 257 $^{\circ}\text{F}$]
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Operation/Application

Circuit Application	Power
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Industry Standards

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

Packaging Method	Tube
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Packaging Quantity	48
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Other

For Use With

Plug

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

Not applicable for solder process capability

Product Compliance Disclaimer

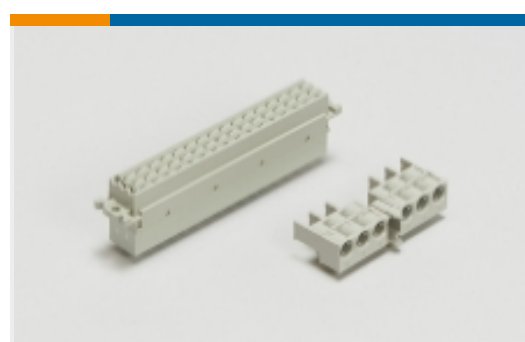
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

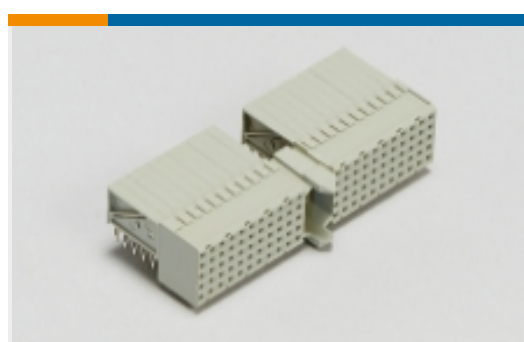


TE Part # 5536642-1
[FB-5R,ASY,010,PWR,HDR,EN,4.25](#)

Also in the Series | [Z-PACK Future Bus+](#)



[Backplane Connector Housings\(19\)](#)



[Hard Metric Backplane Connectors\(1\)](#)



[Rectangular Power Connectors\(35\)](#)

Documents

Product Drawings

[2MM FB,ASY,010,PWR,REC,TAILORG](#)

English

CAD Files

Customer View Model

[ENG_CVM_5536676-1_O.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_5536676-1_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_5536676-1_O.3d_stp.zip](#)

English

[3D PDF](#)

English

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Product Specifications

[Application Specification](#)

English