

5536649-1 ✓ ACTIVE

Z-PACK | Z-PACK Future Bus+

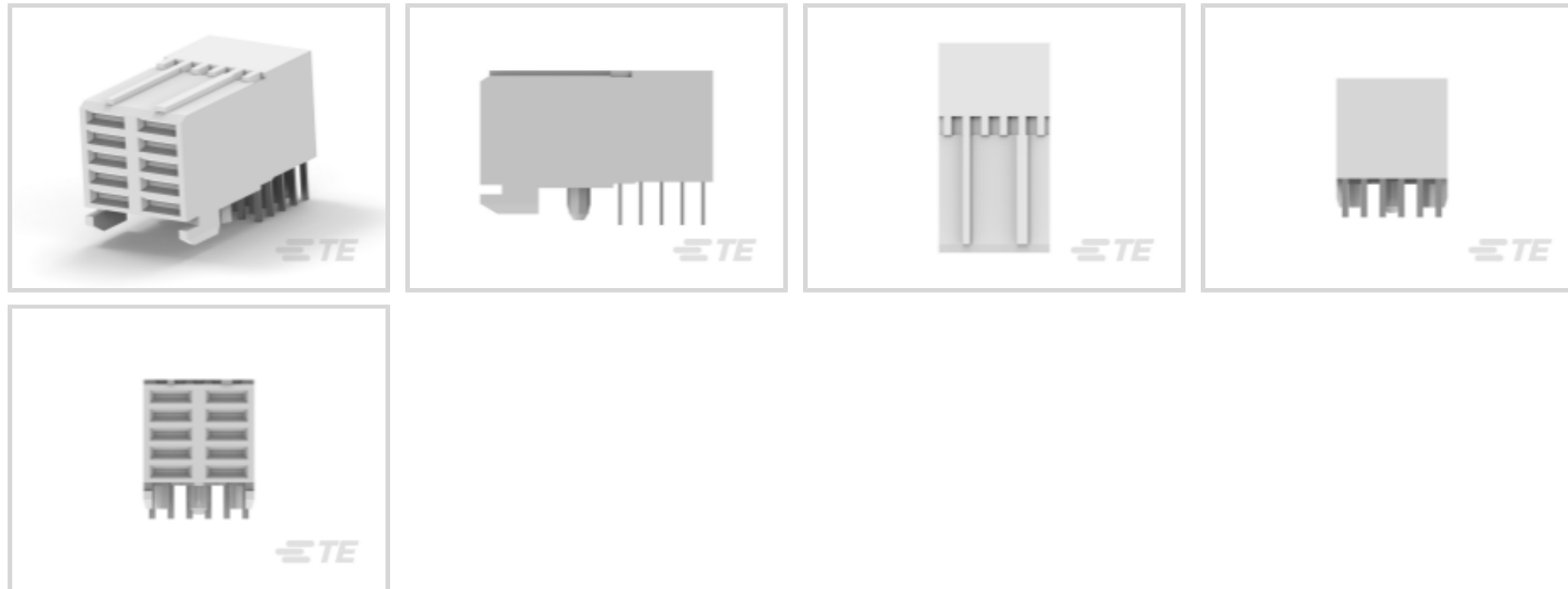
TE Internal #: 5536649-1

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	Phosphor Bronze
Contact Current Rating (Max)	3 A, 5 A
Contact Retention Within Housing	With
Contact Type	Receptacle
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	1.27 μm [50 μin]

Termination Features

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

Mechanical Attachment

Mating Alignment Type	Polarizing Rib
PCB Mount Retention	With
PCB Mount Retention Type	Solder Peg
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]
Height	13.3 mm[.523 in]

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

Packaging Features

Packaging Method

Tube

Packaging Quantity

48

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

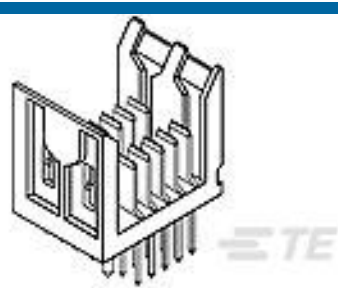
Solder Process Capability

Not applicable for solder process capability

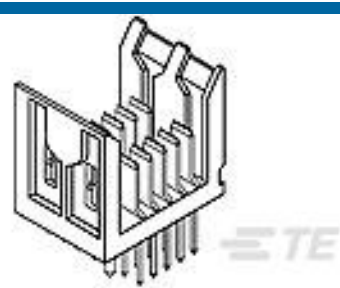
Product Compliance Disclaimer

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>

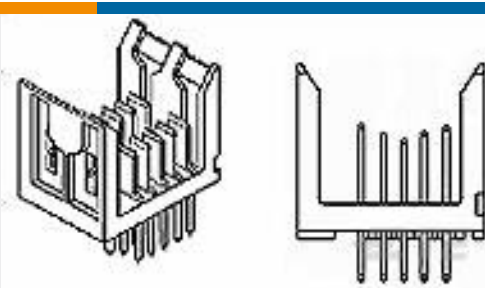
Compatible Parts



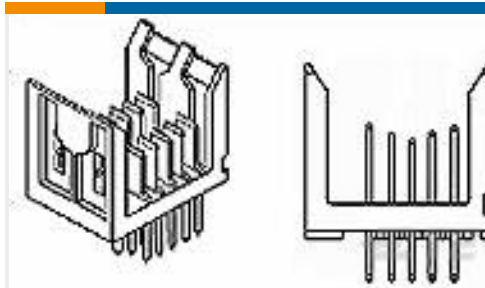
TE Part # 5536642-1
FB-5R,ASY,010,PWR,HDR,EN,4.25



TE Part # 5536642-7
FB-5R,ASY,010,PWR,HDR,EN,SEQ

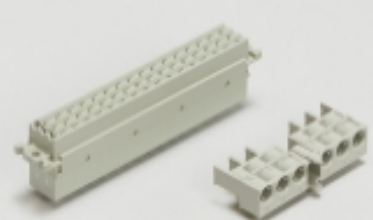


TE Part # 5536673-1
FB-5R,ASY,010,PWR,HER,EN,SEQ

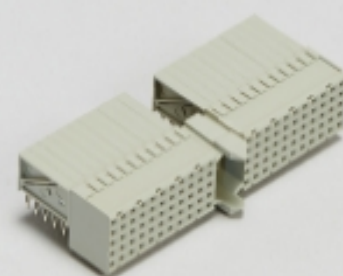


TE Part # 5536684-1
FB-5R,ASY,010,PWR,HER,EN,4.25

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,EN,SEQ](#)

English

CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_5536649-1_O.2d_dxf.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_5536649-1_O.3d_igs.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_5536649-1_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



Product Environmental Compliance

[MD_5536649-1_071620182152_dmtec](#)

English

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English