

5223092-1 ✓ ACTIVE

Z-PACK | Z-PACK Future Bus+

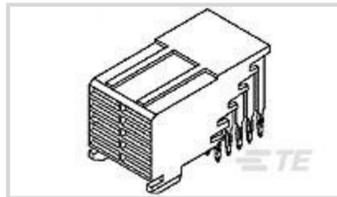
TE Internal #: 5223092-1

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

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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

Dielectric Withstanding Voltage (Max)	1000 VAC
Operating Voltage	30 VAC

Contact Features

Contact Layout	Matrix
Contact Underplating Material	Palladium Nickel



Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	3 A, 5 A
Contact Retention Within Housing	Without
Contact Type	Receptacle
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 μm [29.92 μin]
Contact Termination Area Plating Thickness	3.81 μm [149 μin]

Termination Features

Termination Post & Tail Length	2.73 mm[.107 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit, Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
Mating Alignment Type	Polarization
PCB Mount Retention	With
PCB Mount Retention Type	Solder Leads
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	5.75 mm[.226 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

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

Product Compliance

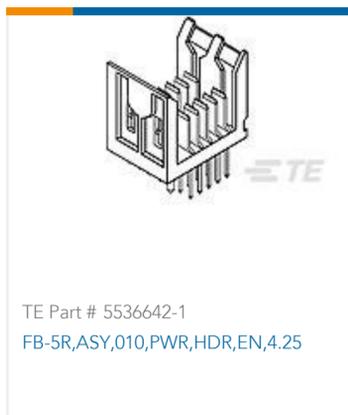
[For compliance documentation, visit the product page on TE.com>](#)

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

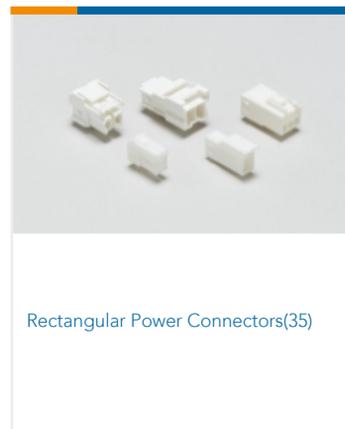
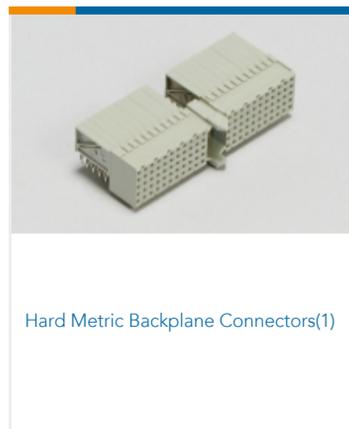
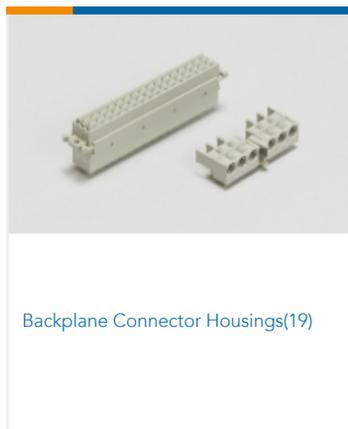
Product Compliance Disclaimer

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



Also in the Series | Z-PACK Future Bus+



Documents

Product Drawings

[2MM FB,ASY,010,PWR,REC,5R,SEQ](#)

English

CAD Files

Customer View Model

[ENG_CVM_5223092-1_A1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_5223092-1_A1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_5223092-1_A1.2d_dxf.zip](#)

English

3D PDF

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

TE Material Declaration

English