

120943-1 ✓ ACTIVE

## Z-PACK 2mm HM

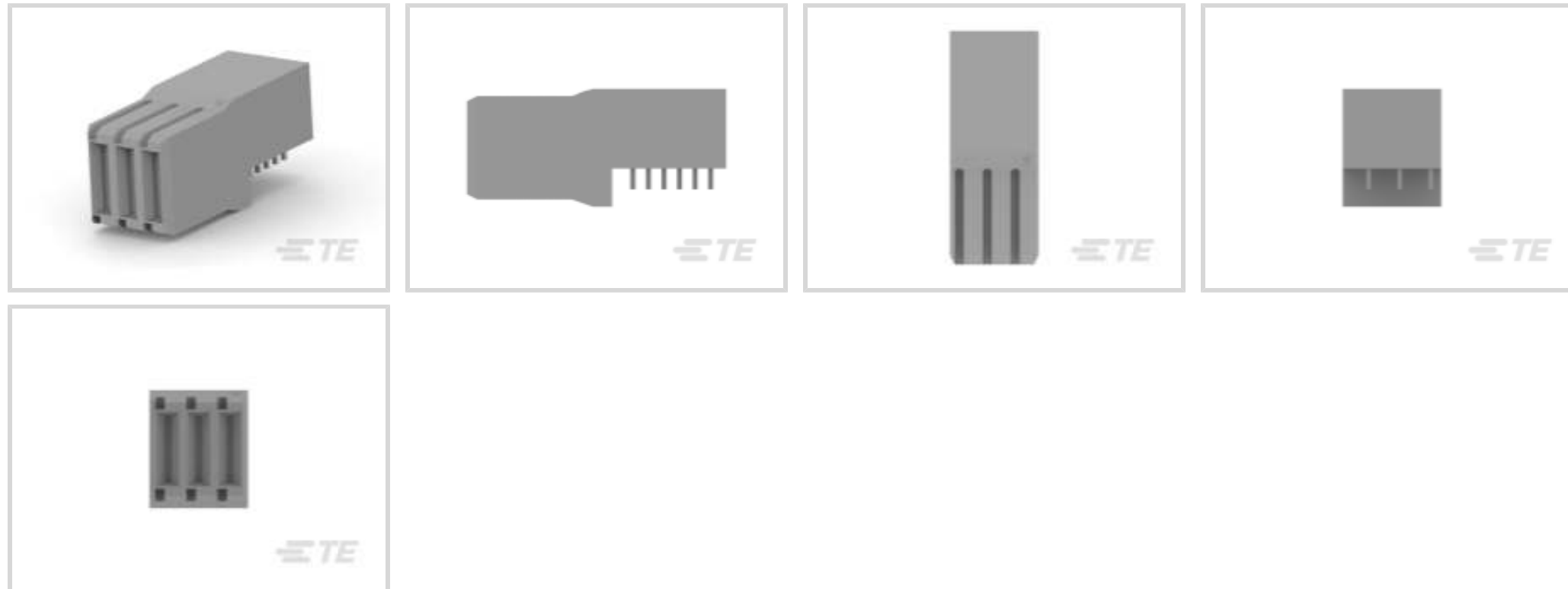
TE Internal #: 120943-1

Rectangular Power Connectors, Connector Assembly, Receptacle, Board-to-Board, 3 Position, 3 mm [.118 in] Centerline, Z-PACK 2mm HM

[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: **3**

Centerline (Pitch): **3 mm [.118 in]**

### Features

#### Product Type Features

Assembly Requirement	Factory Assembled
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

Mating & Unmating Configuration	Hot Pluggable
Number of Positions	3
PCB Mount Orientation	Right Angle
Number of Power Positions	3
Number of Signal Positions	0
Number of Rows	1

#### Electrical Characteristics



Operating Voltage	250 VDC
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### Contact Features

Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	16 A
Contact Retention Within Housing	With
Contact Type	Receptacle
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.5 – 1.25 $\mu\text{m}$ [19.68 – 49.21 $\mu\text{in}$ ]

### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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### Mechanical Attachment

Connector Mounting Type	Board Mount
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### Housing Features

Centerline (Pitch)	3 mm [.118 in]
Housing Color	Gray
Housing Material	Polyester GF

### 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

Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

### Packaging Features

Packaging Method	Box & Tube
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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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

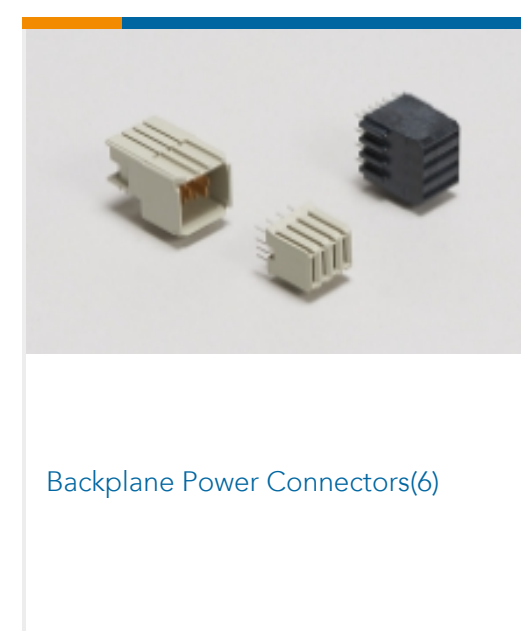
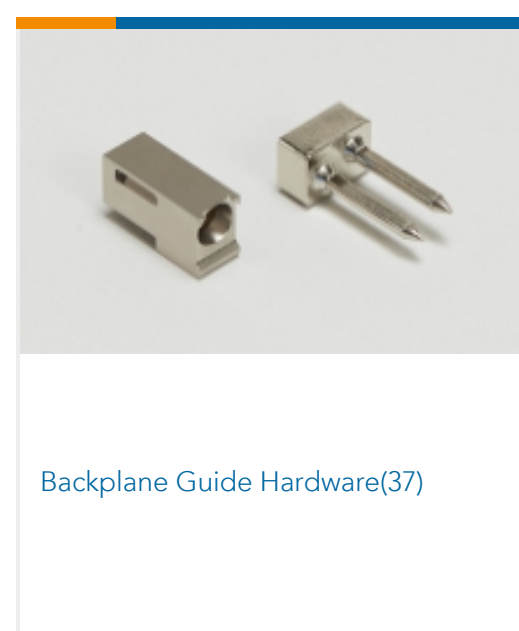
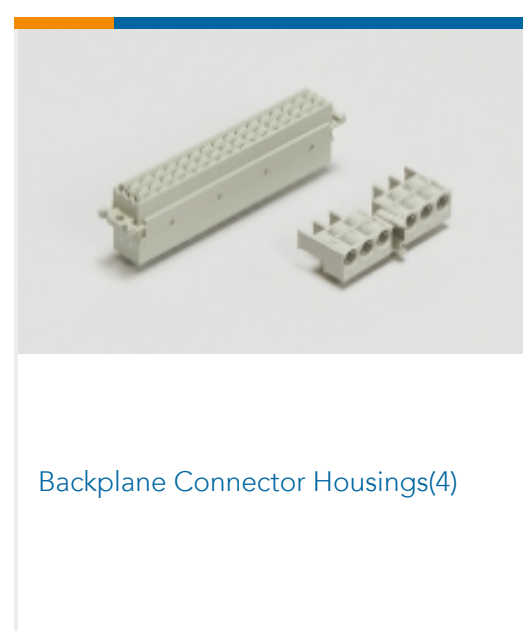
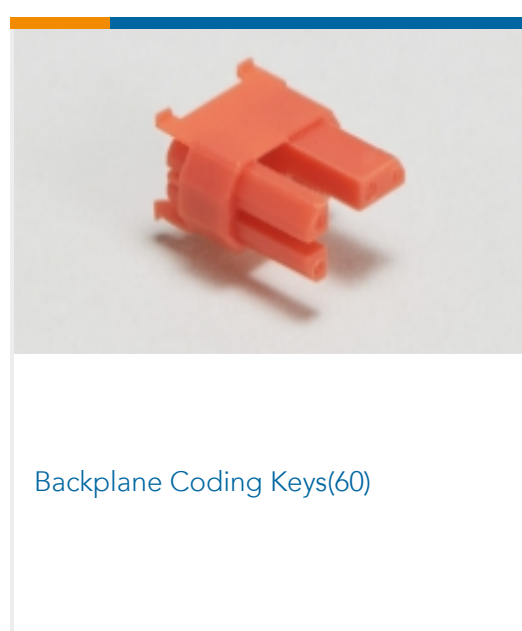
Product Compliance Disclaimer

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



## Also in the Series | Z-PACK 2mm HM





Board-to-Board Connector Contacts(2)	Hard Metric Backplane Connectors (269)	High Speed Backplane Connectors(1)	Insertion & Extraction Tools(2)
PCB Connector Covers(4)	PCB Connector Shrouds(39)	PCB Ferrules & Shields(19)	Rectangular Power Connectors(87)

### Customers Also Bought

TE Part #1-2007492-7 SFP+assy2x1 EMI Sprg Outer Lp Sn Enhance	TE Part #1623802-4 SQZ15 5K 5% (METAL FILM)	TE Part #6469169-1 HMZD 2PR RA HDR 40P	TE Part #2065657-1 zd Plus, 4 pair, receptacle assy
TE Part #5223955-2 TE UPM Ver Receptacle 3P STD Power	TE Part #534237-1 03 MODII VRT SR CE 100/115	TE Part #6469028-1 HM-ZD 2PR RECP 40P	TE Part #1-292286-1 UNIVERSAL POWER MODULE,3P,R/A HEADER

### Documents

#### Product Drawings

UPM R/A REC HC 3P Power Connector

English

#### CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_120943-1\_A.2d\_dxf.zip



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_120943-1\\_A.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_120943-1\\_A.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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### Datasheets & Catalog Pages

[POWER\\_CONNECTORS\\_CATALOG\\_SEC01\\_BOARD\\_TO\\_BOARD](#)

English

[Solutions for AdvancedTCA, AdvancedTCA 300, MicroTCA, and AdvancedMC Standards Datasheet 3-1773445-8](#)

English

[2\\_PIECE\\_POWER\\_CONNECTORS\\_qrg\\_4-1773458-1](#)

English

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### Product Specifications

[Engineering Report](#)

English

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### Product Environmental Compliance

[MD\\_120943-1\\_052120181010\\_dmtec](#)

English

[MD\\_120943-1\\_052120181010\\_dmtec](#)

English