

5646956-1 ✓ ACTIVE

Z-PACK 2mm HM

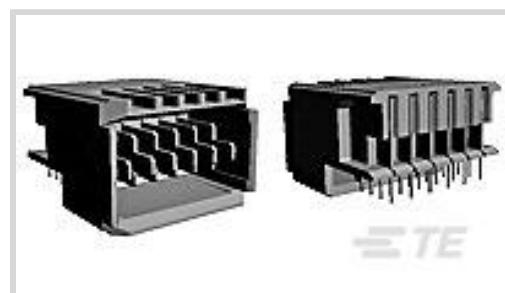
TE Internal #: 5646956-1

Rectangular Power Connectors, Header, Plug, Board-to-Board, 6 Position, 3 mm [.118 in] Centerline, Printed Circuit Board, UL 94V-0, Z-PACK 2mm HM

[View on TE.com >](#)



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: **6**

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

### Features

#### Product Type Features

Header Type	Fully 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	6
PCB Mount Orientation	Right Angle
Number of Power Positions	6
Number of Signal Positions	0
Number of Rows	0

#### Electrical Characteristics

Operating Voltage	30 VDC
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#### Contact Features

PCB Contact Termination Area Plating Material Thickness	3.81 – 8.89 $\mu\text{m}$ [150 – 350 $\mu\text{in}$ ]
Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel
Contact Underplating Material	Nickel



Contact Base Material	Phosphor Bronze
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Contact Current Rating (Max)	10 A
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Contact Retention Within Housing	With
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Contact Type	Blade
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PCB Contact Termination Area Plating Material	Tin
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Contact Mating Area Plating Material Thickness	.5 – 1.25 $\mu\text{m}$ [19.68 – 49.21 $\mu\text{in}$ ]
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### Termination Features

Termination Post & Tail Length	3.43 mm[.135 in]
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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]
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Housing Color	Gray
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Housing Material	Polyester GF
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### Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 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	Box & Tube, Tube
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### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Out of Scope
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2023 (235)

Candidate List Declared Against: JUNE 2022 (224)

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

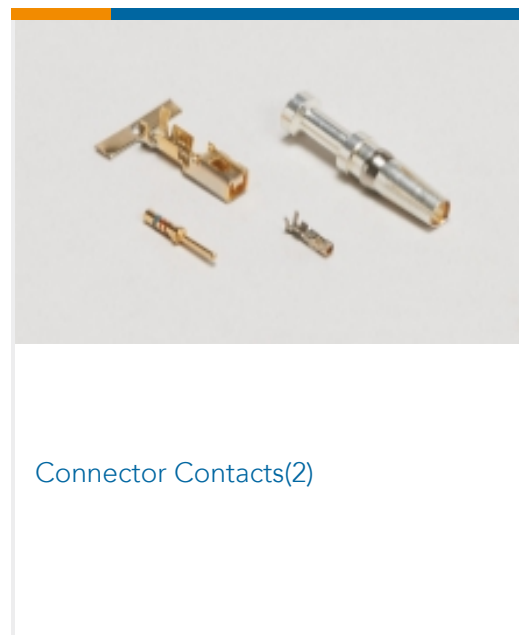
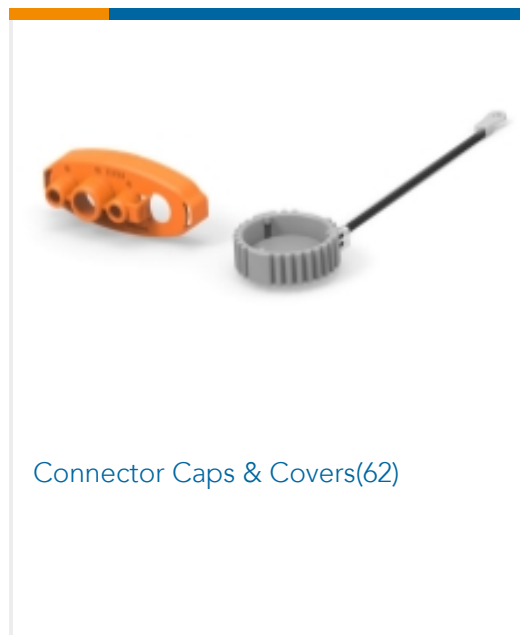
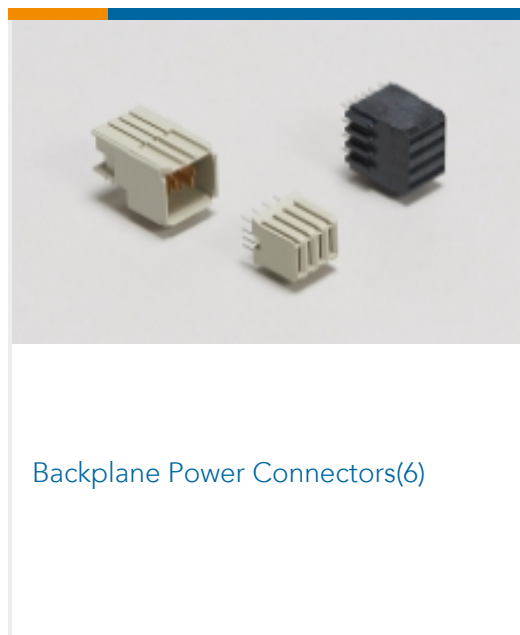
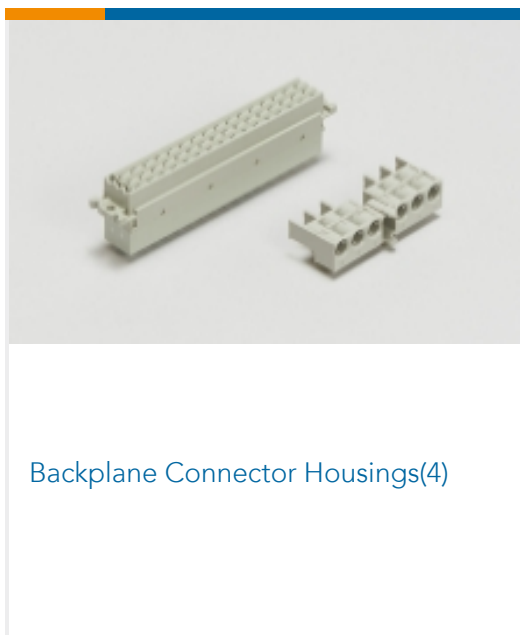
Product Compliance Disclaimer

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

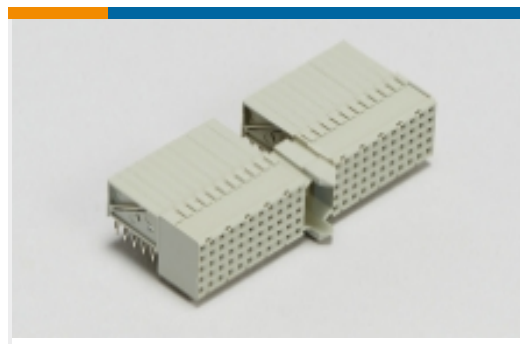


## Also in the Series | Z-PACK 2mm HM

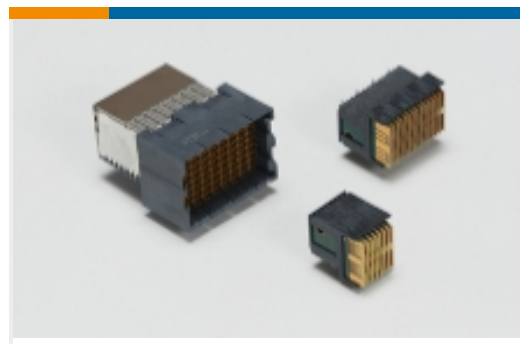




Connector Hardware(97)



Hard Metric Backplane Connectors (267)



High Speed Backplane Connectors(1)



Insertion & Extraction Tools(2)



Rectangular Power Connectors(87)

## Customers Also Bought



TE Part #6-1415537-5  
SR6A6K24



TE Part #2227582-1  
1X4 R/A ASSY, MINI SAS HD  
INTERNAL



TE Part #223956-1  
STV ERMZUB FUEHRUNGSBOLZEN J  
\* M 1 \* \*\*



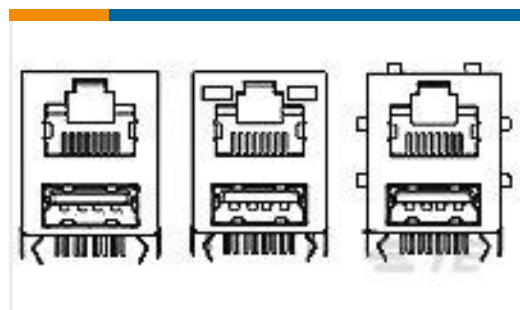
TE Part #5223957-3  
UPM GUIDE MODULE



TE Part #6469028-1  
HM-ZD 2PR RECP 40P



TE Part #61687-2  
187 FASTON TAB 18-14 AWG TPBR



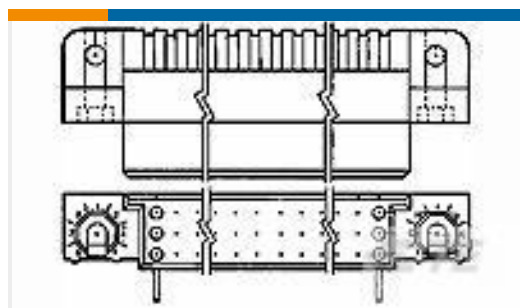
TE Part #1-1909119-4  
VAO, MODULAR JACK,  
RJ45+USBx1F, W/ LED



TE Part #2-1775485-1  
Battery Holder, 3.6mm, BLK, low profile



TE Part #2198233-4  
SFP+ Enhanced 1x4, Net Heatsink, LP



TE Part #1-532431-1  
HDI RECP ASSY 3 ROW 210 POS

## Documents



### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5646956-1\\_C.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5646956-1\\_C.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5646956-1\\_C.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

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

English

### Product Specifications

[Engineering Report](#)

English