

5646957-1 ✓ ACTIVE

Z-PACK 2mm HM

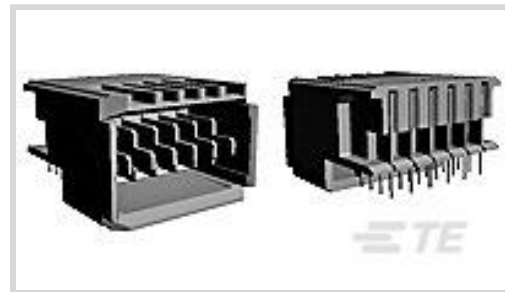
TE Internal #: 5646957-1

Rectangular Power Connectors, Header, Plug, Board-to-Board, 7
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: **7**

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 | 7 |
| PCB Mount Orientation | Right Angle |
| Number of Power Positions | 7 |
| Number of Signal Positions | 0 |
| Number of Rows | 0 |

Electrical Characteristics

| | |
|-------------------|--------|
| Operating Voltage | 30 VDC |
|-------------------|--------|

Contact Features

| | |
|---|---|
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 8.89 μm [150 – 350 μin] |
| Contact Mating Area Plating Material | Gold, Gold Flash over Palladium Nickel |
| Contact Underplating Material | Nickel |



| | |
|--|---|
| Contact Base Material | Phosphor Bronze |
| Contact Current Rating (Max) | 10 A |
| Contact Retention Within Housing | With |
| Contact Type | Blade |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Thickness | .5 – 1.25 μm [19.68 – 49.21 μin] |

Termination Features

| | |
|---|--------------------------|
| Termination Post & Tail Length | 3.43 mm[.135 in] |
| Termination Method to Printed Circuit Board | Through Hole - Press-Fit |

Mechanical Attachment

| | |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
|-------------------------|-------------|

Housing Features

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

Dimensions

| | |
|-----------------------------|-----------------|
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
|-----------------------------|-----------------|

Usage Conditions

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

Operation/Application

| | |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

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

Packaging Features

| | |
|------------------|------------------|
| Packaging Method | Box & Tube, Tube |
|------------------|------------------|

Product Compliance

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

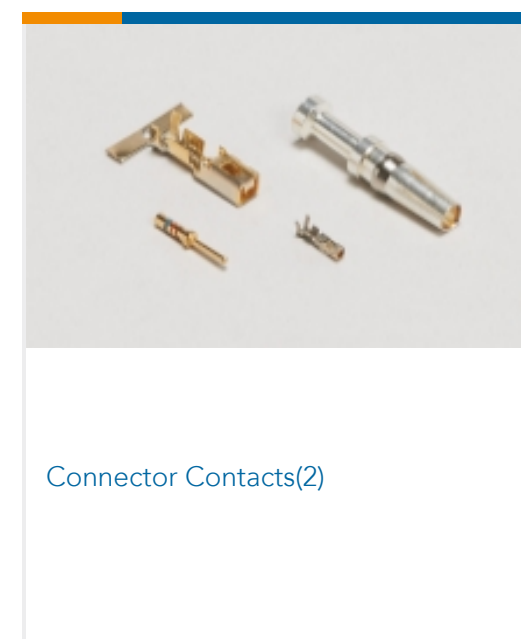
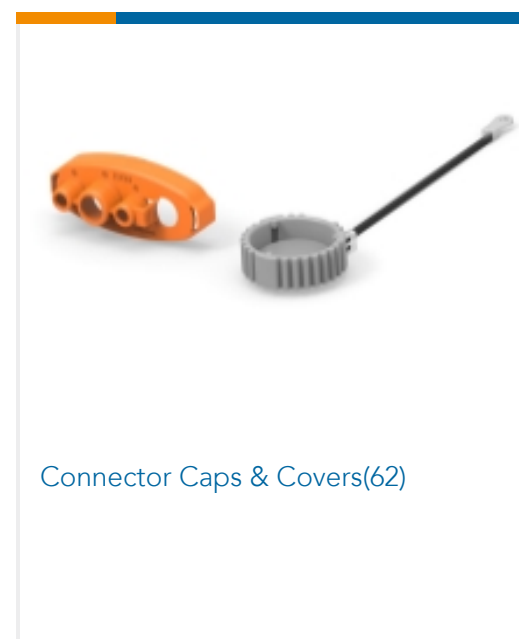
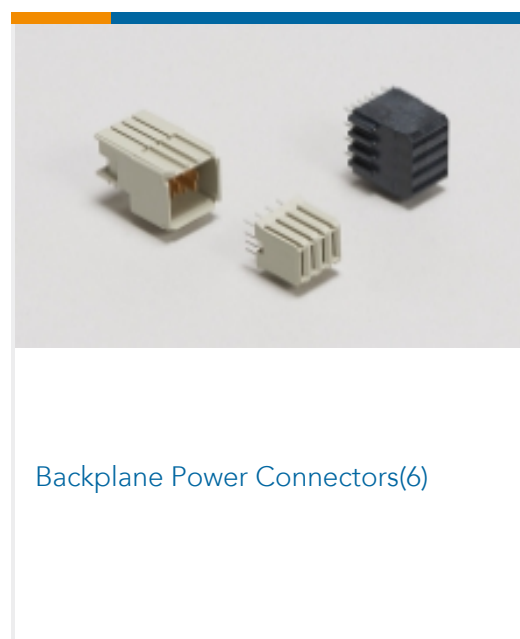
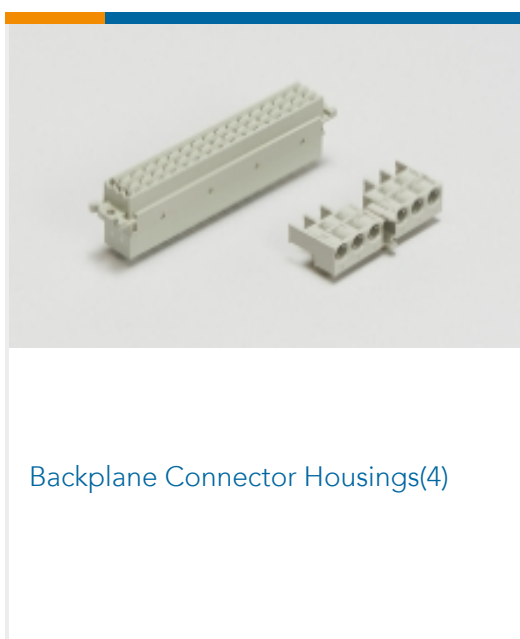
Product Compliance Disclaimer

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

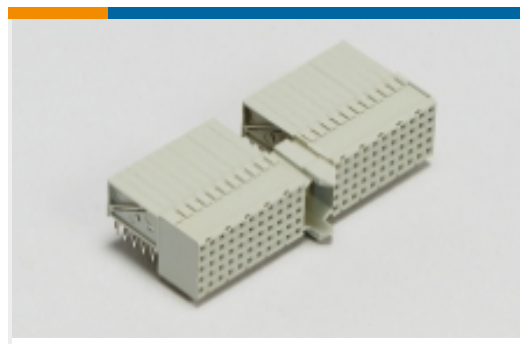


Also in the Series | Z-PACK 2mm HM

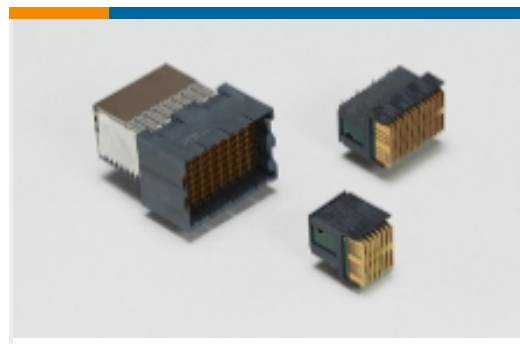




Connector Hardware(97)



Hard Metric Backplane Connectors (267)



High Speed Backplane Connectors(1)



Insertion & Extraction Tools(2)

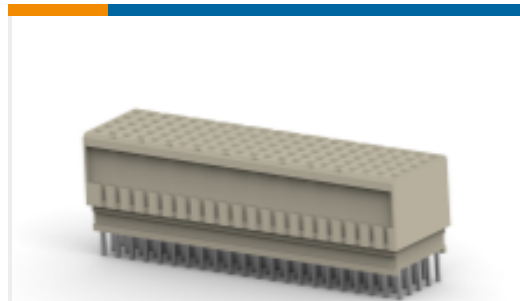


Rectangular Power Connectors(87)

Customers Also Bought



TE Part #5179031-3
0.8FH,P08H.5,080,08/Sn,TU



TE Part #5352457-1
Hard Metric Backplane Receptacle Connector: Mezzanine, 2mm



TE Part #3-647502-4
04P MTA100 HDR ASSY,SM,SN, LF



TE Part #2291931-1
CDFP RCPT CONNECTOR & CAGE STYLE 1



TE Part #3-643828-3
03P MTA100 CONN ASSY LF



TE Part #2-1879213-8
CPF 0402 49R9 0.1% 25PPM 1K RL



TE Part #6469085-1
HMZD 3PAIR, HDR ASSY, 25MM MOD



TE Part #7-1879501-3
CRGH2512 5% 1K0 2W



TE Part #2118715-4
STD SHIELD COVER, AL-16.90X16.90X2.00MM

Documents



CAD Files

3D PDF

English

Customer View Model

[ENG_CVM_5646957-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_5646957-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_5646957-1_A.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