

120955-1 ✓ ACTIVE

Z-PACK 2mm HM

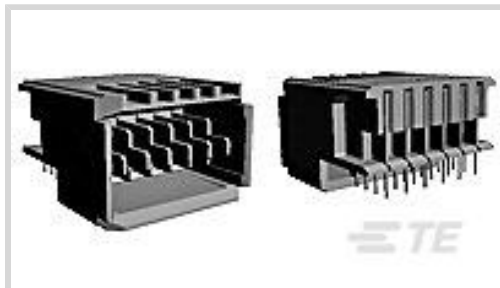
TE Internal #: 120955-1

Rectangular Power Connectors, Header, Plug, Board-to-Board, 5 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: **5**

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        | 5           |
| PCB Mount Orientation      | Right Angle |
| Number of Power Positions  | 5           |
| Number of Signal Positions | 0           |
| Number of Rows             | 1           |

#### Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VDC |
|-------------------|---------|

#### 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                                   | Blade          |
| PCB Contact Termination Area Plating Material  | Tin            |
| Contact Mating Area Plating Material Thickness | 30 µm[.76 µin] |

### Termination Features

|   |                          |
|---|--------------------------|
| 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  |

### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |
|-----------------------------|----------------------------|

### Operation/Application

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

### 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 & Tray |
|------------------|------------|

## 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)<br>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



TE Part # 120953-2  
TE UPM Ver Receptacle 5P HC Power

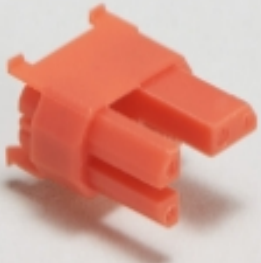


TE Part # 120943-3  
ASSEMBLY, R/A UPM RECPT, 5 POS

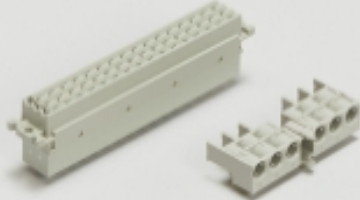


TE Part # 224441-1  
SEATING TOOL

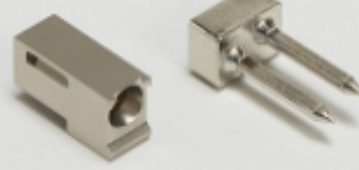
## Also in the Series | Z-PACK 2mm HM



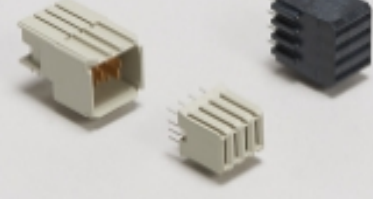
Backplane Coding Keys(60)



Backplane Connector Housings(4)



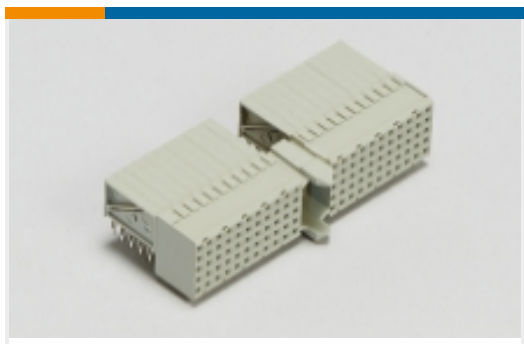
Backplane Guide Hardware(37)



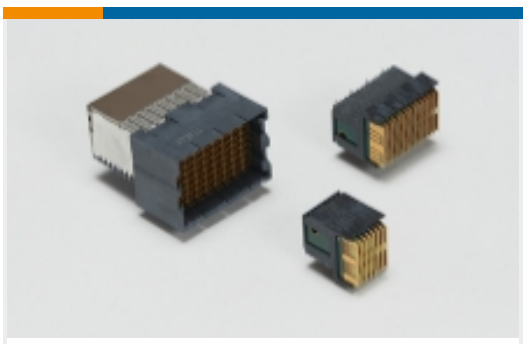
Backplane Power Connectors(6)



Board-to-Board Connector Contacts(2)



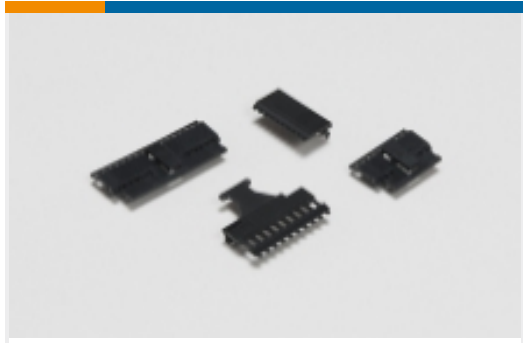
Hard Metric Backplane Connectors (269)



High Speed Backplane Connectors(1)



Insertion & Extraction Tools(2)



PCB Connector Covers(4)



PCB Connector Shrouds(39)



PCB Ferrules & Shields(19)

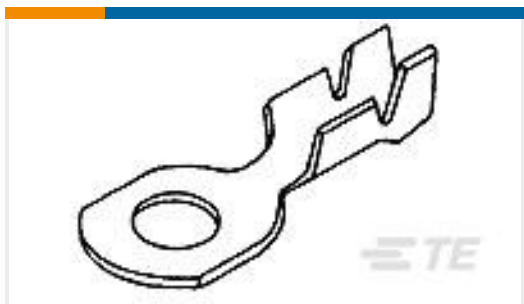


Rectangular Power Connectors(87)

## Customers Also Bought



TE Part #2176071-8  
3521 270K 1% 2W



TE Part #60123-2  
RING 160 CRIMP TAB 26-20 AWG TPBR



TE Part #2-530745-2  
MINI BX RECPT ASSY 128P SEALED



TE Part #521384-5  
ASSY PL R/A RAST5 HEADER 05-B



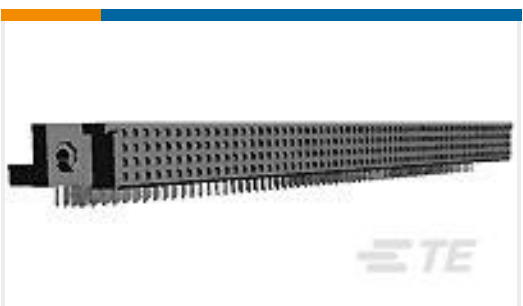
TE Part #521384-8  
ASSY PL R/A RAST5 HEADER 08-D



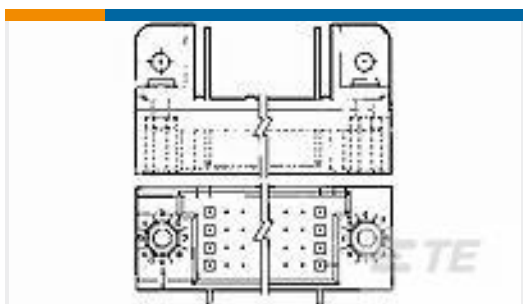
TE Part #2176392-6  
RQ 1206 150K 0.1% 10PPM 5K RL



TE Part #3-100141-0  
Z-PACK/B MALE HDR 125P, 2MM HM



TE Part #532903-2  
HDI RECP ASSY 4 ROW 100 POS



TE Part #533286-1  
HDI PIN ASSY 4 ROW 100 POS R/A

## Documents



### Product Drawings

[TE UPM R/A Header 5P HC Power, LLLLL](#)

English

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### CAD Files

[3D PDF](#)

English

**Customer View Model**

[ENG\\_CVM\\_120955-1\\_B.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_120955-1\\_B.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_120955-1\\_B.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\\_120955-1\\_030420151639\\_dmtec](#)

English

[MD\\_120955-1\\_030420151639\\_dmtec](#)

English