# 2170245-1 ✔ ACTIVE

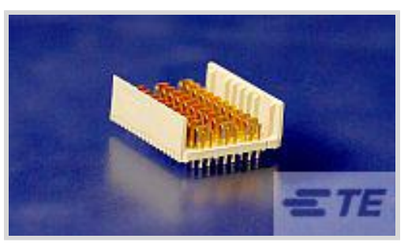
Z-PACK | Z-PACK HM-Zd

TE Internal #: 2170245-1

60 Position High Speed Backplane Connector, 6 Row, 10 Column, PCB Mount Header, Vertical, Partially Shrouded, Z-PACK HM-Zd

View on TE.com >

Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



Number of Positions: **60**

Row-to-Row Spacing: **1.5 mm [ .059 in ]**

Mating Alignment: **With**

Mating Alignment Type: **Guide Lugs**

Number of Rows: **6**

## Features

### Product Type Features

| | |
|---|---|
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector System | Board-to-Board |
| PCB Connector Type | PCB Mount Header |
| Shroud Style | Partially Shrouded |

### Configuration Features

| | |
|---|---|
| Number of Pairs | 30 |
| Number of Ground Positions | 60 |
| Number of Signal Positions | 60 |
| Pairs per Column | 3 |
| Card Slot Centerline | 25.4 mm[1 in] |
| Number of Positions | 60 |
| Number of Rows | 6 |
| Number of Columns | 10 |
| PCB Mount Orientation | Vertical |
| Guide Location | Unguided |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 250 VAC |

### Signal Characteristics

| | |
|---|---|
| Data Rate | ≤12 Gb/s |



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## Body Features

| | |
|---|---|
| Shield Material | Phosphor Bronze |
| Primary Product Color | Gray |

## Contact Features

| | |
|---|---|
| Contact Mating Area Plating Material Thickness | .76 µm[30 µin] |
| Contact Layout | Matrix |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Mating Area Length | 5.3 mm[.21 in] |
| Contact Base Material | Phosphor Bronze |
| Contact Type | Pin |
| Contact Current Rating (Max) | .7 A |

## Termination Features

| | |
|---|---|
| Termination Method to PCB | Through Hole - Press-Fit |
| Termination Post & Tail Length | 1.55 mm[.06 in] |

## Mechanical Attachment

| | |
|---|---|
| Mating Alignment | With |
| Mating Alignment Type | Guide Lugs |
| Connector Mounting Type | Board Mount |

## Housing Features

| | |
|---|---|
| Housing Material | Polyester GF |
| Centerline (Pitch) | 2.5 mm[.098 in] |

## Dimensions

| | |
|---|---|
| Connector Width | 18.85 mm[.742 in] |
| Connector Height | 13.4 mm[.527 in] |
| Connector Length | 24.9 mm[.98 in] |
| Row-to-Row Spacing | 1.5 mm[.059 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -65 – 105 °C[-85 – 221 °F] |

## Operation/Application

| | |
|---|---|
| Circuit Application | Signal |

## Industry Standards



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| | |
|---|---|
| UL Flammability Rating | UL 94V-0 |

### Packaging Features

| | |
|---|---|
| Packaging Method | Tube |

## 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 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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 # 2065883-1
Zd Plus, 3 pair receptacle ass

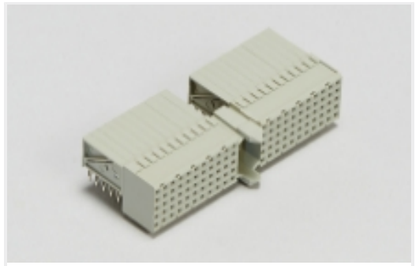


TE Part # 6469081-2
HMZD 3PR, RECEPTACLE ASSEMBLY

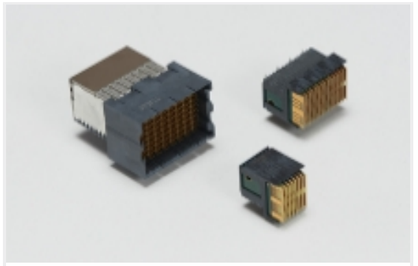
## Also in the Series | Z-PACK HM-Zd



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Hard Metric Backplane Connectors(1)



High Speed Backplane Connectors(46)



Insertion & Extraction Tools(1)

## Customers Also Bought



TE Part #51565-1
SUB MIN SOCKET



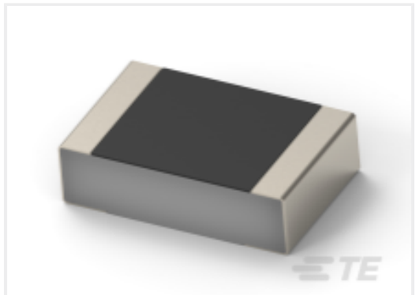
TE Part #2-179553-4
DYNAMIC D-3200S TAB HSG 4P K/Y



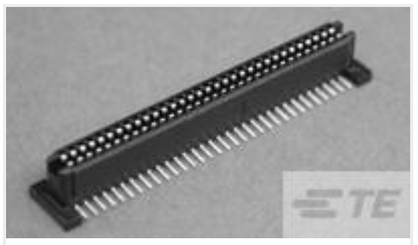
TE Part #1410956-1
MULTIGIG RT GUIDEPIN KIT ASSEMBLY



TE Part #1447360-9
3100069=SEALED FINGR 1715EMBOS



TE Part #6-2176453-8
CPF 0201 28K7 0.1% 25ppm 1K RL



TE Part #5120521-1
1FHR,64,30A/S,S,N,S08,09,10



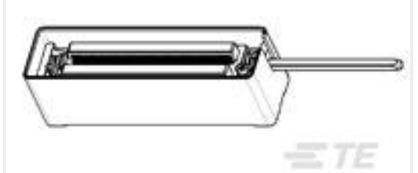
TE Part #5120527-1
1FHP,64,30A/S,S,N,S10,12,13,15



TE Part #5748677-4
PLTD PLST CBL CLMP KIT,SZ 4



TE Part #6565199-2
TC-ZIF HDR ASSY 260P SHIELD FINGER



TE Part #6565204-3
TC-ZIF REC ASSY 260P

## Documents

### Product Drawings

HMZD+,3PAIRS,10COLS,VERTICAL,ASSEMBLY

English

### CAD Files

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_2170245-1_A.2d_dxf.zip



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English

### Customer View Model

ENG_CVM_CVM_2170245-1_A.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_2170245-1_A.3d_stp.zip

English

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## Product Specifications

### Application Specification

English



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