# 1469081-2 ✔ ACTIVE

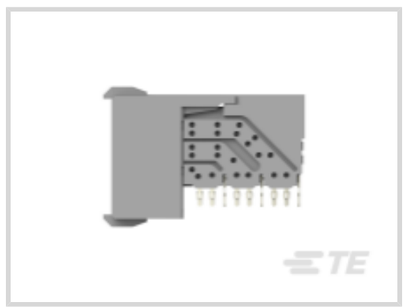
Z-PACK | Z-PACK HM-Zd

TE Internal #: 1469081-2

60 Position High Speed Backplane Connector, 6 Row, 10 Column, PCB Mount Receptacle, Right Angle, Fully 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: **Polarization**

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 Receptacle |
| Shroud Style | Fully Shrouded |

### Configuration Features

| | |
|---|---|
| Number of Pairs | 3 |
| Number of Ground Positions | 30 |
| Number of Signal Positions | 60 |
| Pairs per Column | 3 |
| Number of Positions | 60 |
| Number of Rows | 6 |
| Number of Columns | 10 |
| PCB Mount Orientation | Right Angle |
| Guide Location | Unguided |

## Electrical Characteristics

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

## Signal Characteristics

| | |
|---|---|
| Data Rate | 10 Gb/s |

## Body Features

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

## Contact Features

| | |
|---|---|
| Contact Mating Area Plating Material Thickness | 1.27 µm[50 µin] |
| Contact Layout | Matrix |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Base Material | Copper Nickel Silicon |
| Contact Type | Receptacle |
| Contact Current Rating (Max) | .7 A |

## Termination Features

| | |
|---|---|
| Termination Method to PCB | Through Hole - Press-Fit |
| Termination Post & Tail Length | 2.2 mm[.086 in] |

## Mechanical Attachment

| | |
|---|---|
| Mating Alignment | With |
| Mating Alignment Type | Polarization |
| Connector Mounting Type | Board Mount |

## Housing Features

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

## Dimensions

| | |
|---|---|
| Connector Width | 23.43 mm[.922 in] |
| Connector Height | 14.85 mm[.584 in] |
| Connector Length | 24.95 mm[.988 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

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

### Packaging Features

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

## Product Compliance

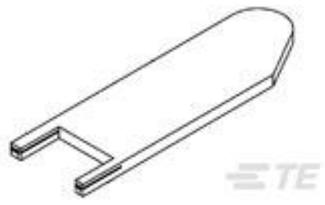
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Not Compliant |
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials 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>SVHC > Threshold:<br>Pb (13% in 4690948374)<br>**Article Safe Usage Statements:**<br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| 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

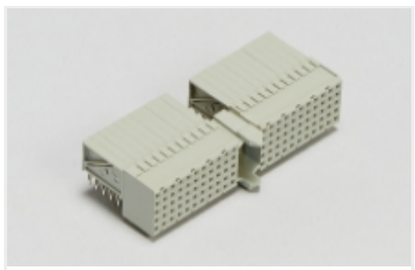


TE Part # 1673952-1
REMOVAL TL,CHICLET,HMZD,3 PR

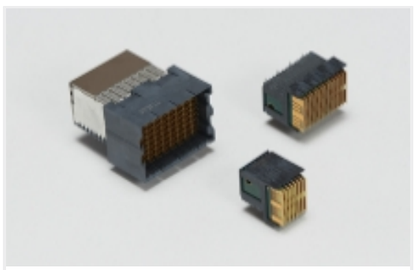


TE Part # 1583224-1
TOOL,REMOVAL,HMZD RECEPT. HOUS

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



Hard Metric Backplane Connectors(1)



High Speed Backplane Connectors(46)

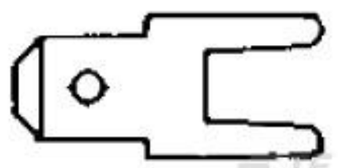


Insertion & Extraction Tools(1)

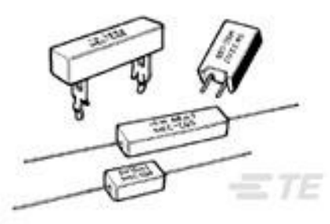
## Customers Also Bought



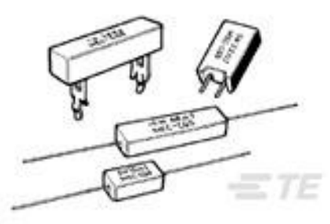
TE Part #7-338069-6
MICRO-MATCH SMD FTE



TE Part #726388-2
187 FASTON TAB TPBR



TE Part #1-1623789-5
SQM7 47R 5% (WIRE)



TE Part #1623793-1
SQP5 10K 5% MTL FLM



TE Part #5-1734857-5
PCI EXP STRADDLE 36P BLK 30u"



TE Part #3-1879216-2
CPF0402 150K 0.1% 25PPM 1K RL



TE Part #2301842-1
AMPL REC HD20, VERT,37P, B/L,4-40 S /LOC



TE Part #5100147-1
Z-PACK/A RAF 110P



TE Part #5188232-1
2MMHM PIN HDR MOD C 55 POS



TE Part #5787617-1
RECP ASSY, R/A, STACKED, THRU-HOLE, USB,

## Documents

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1469081-2_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1469081-2_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1469081-2_G.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

### Product Specifications

Application Specification

English

### Agency Approvals

UL Report

English