# 5106775-1 ✔ ACTIVE

Z-PACK | Z-PACK 2mm HM

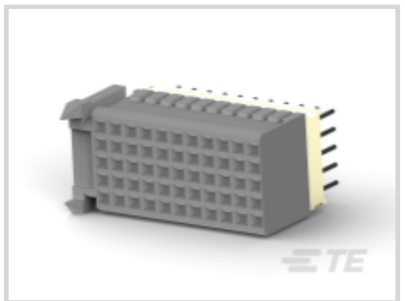
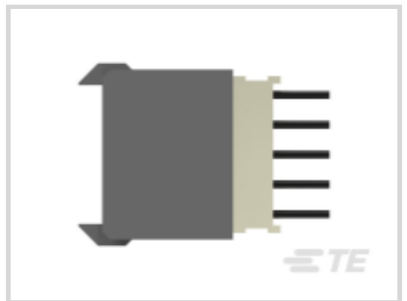
TE Internal #: 5106775-1

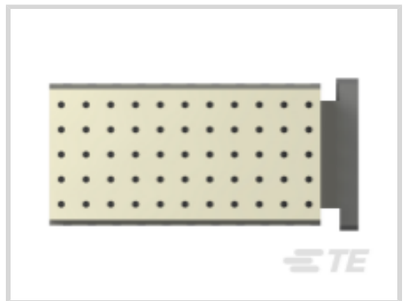
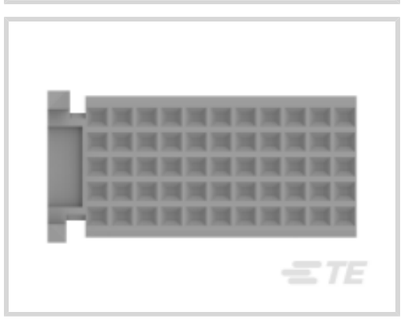
Hard Metric Backplane PCB Mount Receptacle, ≤1 Gb/s, 11 Column, 5 Row, Mezzanine, 55 Position, 2 mm [.078 in] Centerline, Vertical, Z-PACK 2mm HM

View on TE.com >

Connectors > PCB Connectors > Backplane Connectors > Hard Metric Backplane Connectors >

Hard Metric Backplane Receptacle Connector: Mezzanine, 2mm

PCB Connector Type: **PCB Mount Receptacle**

Data Rate: **≤1 Gb/s**

Number of Columns: **11**

Number of Rows: **5**

Backplane Architecture: **Mezzanine**

All Hard Metric Backplane Receptacle Connector: Mezzanine, 2mm (27)

## Features

### Product Type Features

| | |
|---|---|
| Connector & Contact Terminates To | Printed Circuit Board |
| Backplane Interface Type | 2mm HM |
| Connector System | Board-to-Board |
| PCB Connector Type | PCB Mount Receptacle |
| Sealable | No |

### Configuration Features

| | |
|---|---|
| Number of Columns | 11 |
| Number of Rows | 5 |
| Backplane Architecture | Mezzanine |
| Number of Positions | 55 |
| PCB Mount Orientation | Vertical |

### Signal Characteristics

| | |
|---|---|
| Crosstalk Version | Reduced |
| Data Rate | ≤1 Gb/s |

## Body Features

| | |
|---|---|
| Primary Product Color | Gray |

## Contact Features

| | |
|---|---|
| Contact Underplating Material | Nickel |
| Contact Mating Area Length | 3.3 mm |
| Contact Base Material | Phosphor Bronze |
| CompactPCI Designation | None |
| PCB Contact Termination Area Plating Material | Tin |
| Feedthrough Post Length | 3.7 mm |
| Contact Type | Socket |
| Contact Mating Area Plating Material | Nickel (Ni) |
| Contact Mating Area Plating Material Thickness | 1.27 µm[50 µin] |
| Contact Current Rating (Max) | 1.5 A |

## Termination Features

| | |
|---|---|
| Termination Method to PCB | Through Hole - Press-Fit |

## Mechanical Attachment

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

## Housing Features

| | |
|---|---|
| Housing Material | Polyester GF |
| Centerline (Pitch) | 2 mm[.078 in] |

## Dimensions

| | |
|---|---|
| Backplane Module Length | 25 mm |

## Usage Conditions

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

## Operation/Application

| | |
|---|---|
| Shielded | No |
| Circuit Application | Power & Signal |

## Industry Standards

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

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 22 |
| Packaging Method | Tray |

## Product Compliance

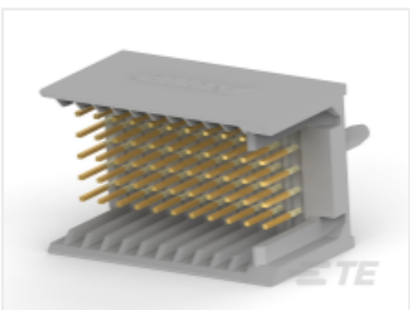
For compliance documentation, visit the product page on TE.com>

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

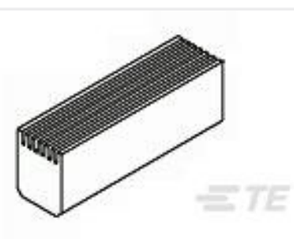
Product Compliance Disclaimer

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

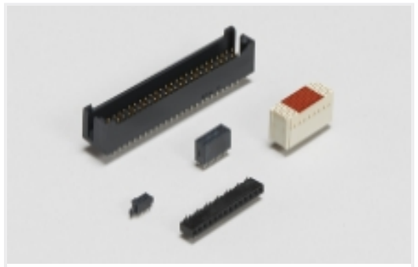


TE Part # 5100159-1
2MM HDR, 55 POS EXTN MOD



TE Part # 122561-1
SUPPORT ANVIL 2MM H.M. 7 ROW

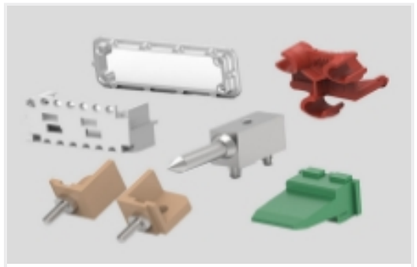
## Also in the Series | Z-PACK 2mm HM



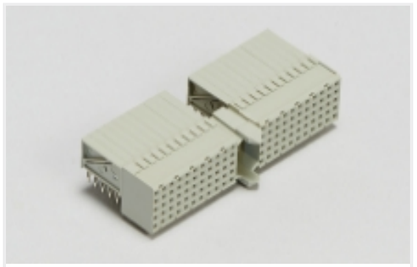
Board-to-Board Headers & Receptacles(46)



Connector Contacts(1)



Connector Hardware(91)



Hard Metric Backplane Connectors (264)

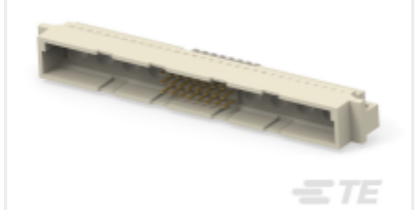


Power Contacts(1)

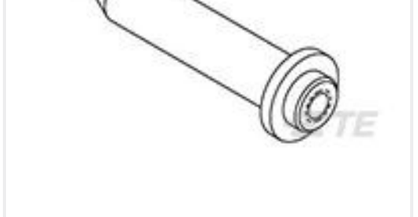


Rectangular Power Connectors(46)

## Customers Also Bought



TE Part #374144-E
STVM 24-8 M ABC VVV 4-00 0606 * * 137 E0



TE Part #120985-1
UNV PWR MDL, GUIDE PIN PLTD

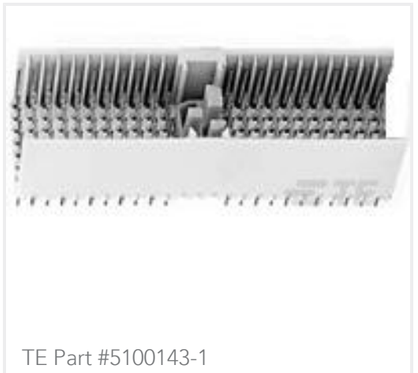


TE Part #927837-5
SPT REC 6.3 Contact SRC Ag

TE Part #1469323-1
2 PR HEADER ASSY, 40 POSN, PAC



TE Part #1982299-4
ELCON MINI 2P CABLE CONN,W/O CODING



TE Part #5100143-1
2MM H.M. TYPE "A" PIN ASSY.

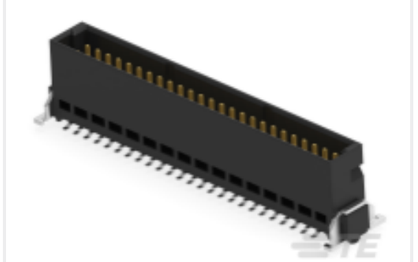


TE Part #5100145-1
Z-PACK/B25 RAF 125P



TE Part #6469632-1
HM-ZD 2PR RECP 40P,W/END WALL, LF

TE Part #2366837-2
Stand Power Timer Contact 10-12AWG



TE Part #063210-E
SMCQ 50 M AB VV 3-03 CLHD * H007 137 E00

## Documents

## Product Drawings

Z-PACK/C VF 55P

English

## CAD Files

Customer View Model

ENG_CVM_CVM_5106775-1_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5106775-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5106775-1_A.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