# 1857997-1 ✔ ACTIVE

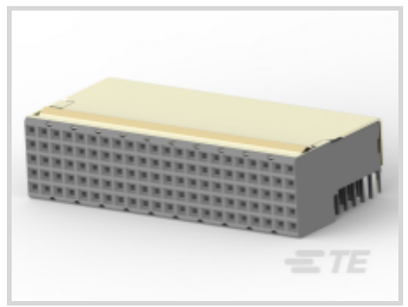
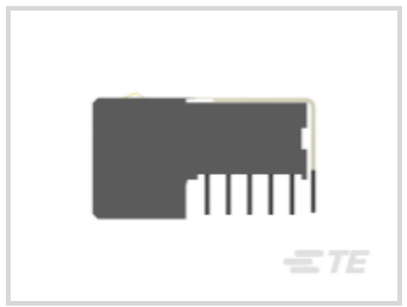
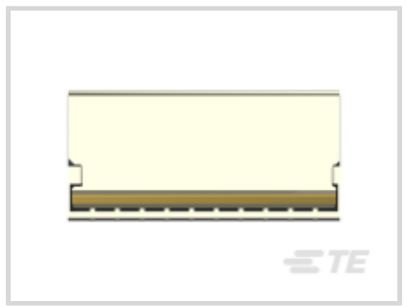
Z-PACK | Z-PACK 2mm HM

TE Internal #: 1857997-1

Hard Metric Backplane Connectors, PCB Mount Receptacle, 1 Gb /s, 22 Column, 5 Row, Traditional Backplane, 110 Position, Z-PACK 2mm HM

View on TE.com >

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



PCB Connector Assembly Type: **PCB Mount Receptacle**

Data Rate: **1 Gb/s**

Number of Columns: **22**

Number of Rows: **5**

Backplane Architecture: **Traditional Backplane**

## Features

### Product Type Features

| | |
|---|---|
| Connector System | Board-to-Board |
| Connector & Contact Terminates To | Printed Circuit Board |
| PCB Connector Assembly Type | PCB Mount Receptacle |
| Sealable | No |

### Configuration Features

| | |
|---|---|
| Number of Columns | 22 |
| Number of Rows | 5 |
| Backplane Architecture | Traditional Backplane |
| Number of Positions | 110 |
| PCB Mount Orientation | Right Angle |

### Signal Characteristics

| | |
|---|---|
| Data Rate | 1 Gb/s |

### Body Features

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

### Contact Features

| | |
|---|---|
| CompactPCI Designation | None |
| Contact Underplating Material | Nickel |
| Contact Base Material | Phosphor Bronze |
| Contact Mating Area Plating Material | Gold |
| Contact Mating Area Plating Material Thickness | .76 µm[29.92 µin] |
| Contact Current Rating (Max) | 1.5 A |

### Mechanical Attachment

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

### Housing Features

| | |
|---|---|
| Housing Material | Glass-Filled Polyester |
| Centerline (Pitch) | 2 mm[.079 in] |

### Usage Conditions

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

### Operation/Application

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

### Industry Standards

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

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 12 |
| Packaging Method | Tube |

## Product Compliance

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

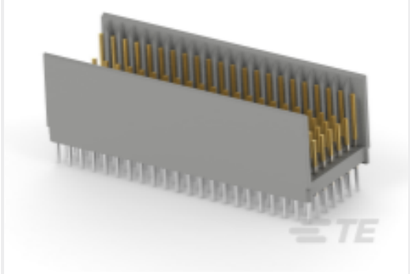
| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<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

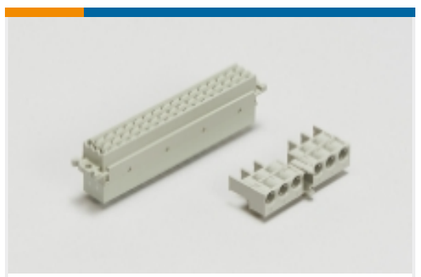
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

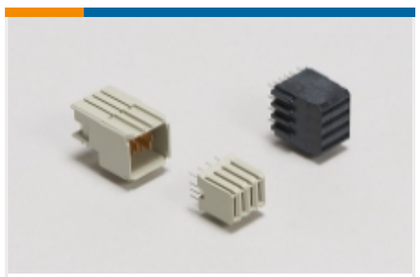


TE Part # 5352638-1
Z-PACK/B M-HDR 154P

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



Backplane Connector Housings(4)



Backplane Power Connectors(6)



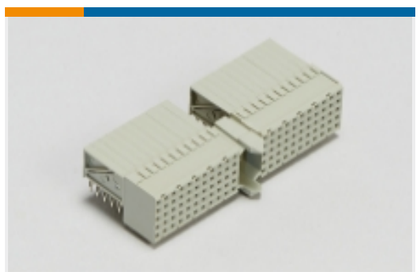
Connector Caps & Covers(62)



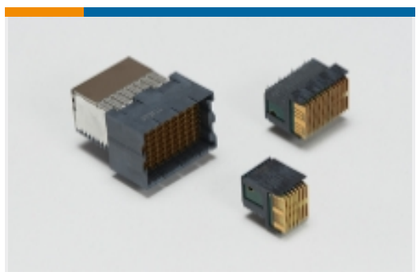
Connector Contacts(2)



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 # 1857994-1
Z-PACK/A F-HDR 110P, EON



TE Part # 2-1437012-8
609-007-1=HDW IDC JACKSOCKET A



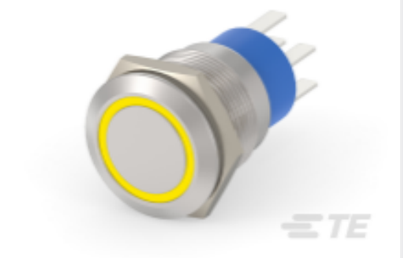
TE Part # 1623819-2
SBL4 R005 5%



TE Part # 6-2176089-1
RP 1J 0.166W 47K5 0.1% 25PPM 1K RL



TE Part # 6-2176089-6
RP 1J 0.166W 54K9 0.1% 25PPM 1K RL



TE Part # 7-2213767-1
AV19 DPL 3A MOVE RING LED YELLOW 24V



TE Part # 1-2176088-3
RP 1J 0.166W 1K0 0.1% 25PPM 1K RL



TE Part # 2-2176090-1
RP 1J 0.166W 210K 0.1% 25PPM 1K RL



TE Part # 9-2176088-6
RP 1J 0.166W 8K87 0.1% 25PPM 1K RL



TE Part # 2-2176088-7
RP 1J 0.166W 1K43 0.1% 25PPM 1K RL

## Documents

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1857997-1_A_c-1857997-1-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1857997-1_A_c-1857997-1-a.3d_igs.zip

English

## Customer View Model

ENG_CVM_CVM_1857997-1_A_c-1857997-1-a.3d_stp.zip

English

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

## Product Specifications

### Application Specification

English

## Agency Approvals

### UL Report

English