

# Z-PACK/C RAF 55P ✓ ACTIVE

Z-PACK | Z-PACK 2mm HM

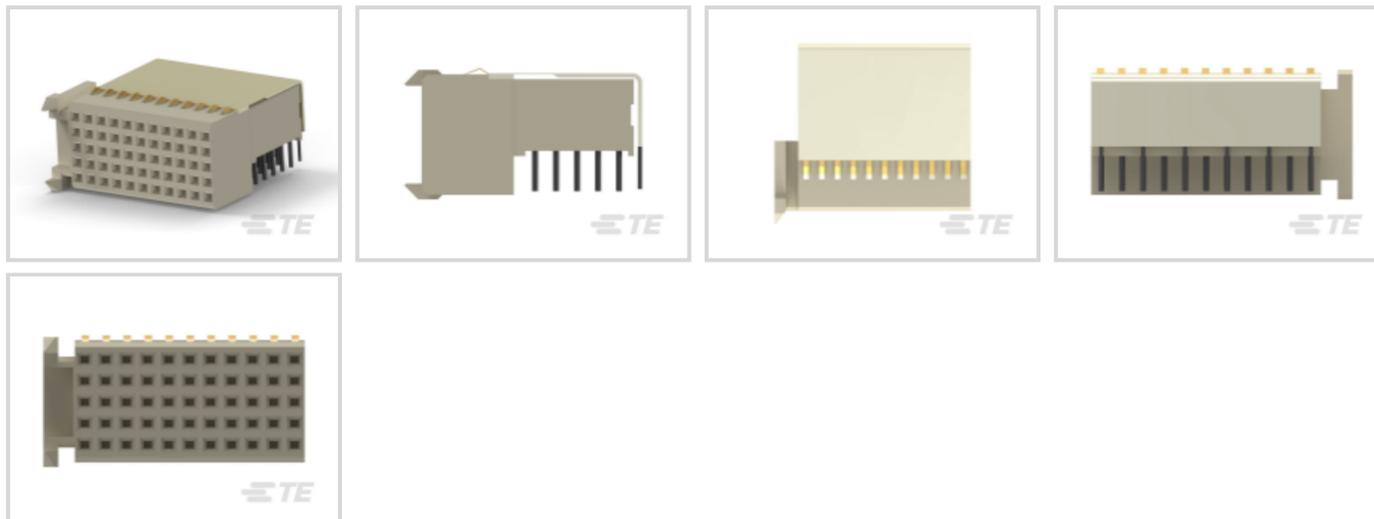
TE Part # 5352115-1

TE Internal #: 5352115-1

[View on TE.com >](#)



Connectors > PCB Connectors > Backplane Connectors > Hard Metric Connectors



Data Rate:  $\leq 1$  Gb/s

Number of Columns: 11

Number of Rows: 5

Architecture: **Mezzanine**

Connector System: **Board-to-Board**

## Features

### Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Make First / Break Last           | Yes                   |
| Connector System                  | Board-to-Board        |
| Connector Type                    | Connector Assembly    |
| Connector Style                   | Receptacle            |
| Shielded                          | Yes                   |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

|                            |               |
|----------------------------|---------------|
| Rows Loaded                | A, B, C, D, E |
| Number of Signal Positions | 55            |
| Number of Columns          | 11            |
| Number of Rows             | 5             |
| Architecture               | Mezzanine     |
| Number of Positions        | 55            |
| PCB Mount Orientation      | Right Angle   |

### Signal Characteristics

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

### Body Features

|              |                         |
|--------------|-------------------------|
| Shield Type  | Ground Return Shielding |
| Shield Style | Upper                   |

### Contact Features

|  |                    |
|--|--------------------|
| Feedthrough Post Length                        | 3.7 mm             |
| Grounding Contact                              | Without            |
| Contact Configuration                          | ACTION PIN, Signal |
| Contact Base Material                          | Phosphor Bronze    |
| Contact Type                                   | Pin                |
| CompactPCI Designation                         | None               |
| Contact Mating Area Plating Material           | Gold               |
| Contact Mating Area Plating Material Thickness | 1.27 μm[50 μin]    |
| Contact Current Rating (Max)                   | 1.5 A              |

### Termination Features

|                                  |                 |
|----------------------------------|-----------------|
| Termination End Plating Material | Tin over Nickel |
| Interface Type                   | 2mm HM          |

### Mechanical Attachment

|                         |                      |
|-------------------------|----------------------|
| Mating Alignment Type   | Multi-Purpose Center |
| Connector Mounting Type | Board Mount          |

### Housing Features

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

### Dimensions

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

### Usage Conditions

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

### Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

### Industry Standards

|                               |          |
|-------------------------------|----------|
| UL Flammability Rating        | UL 94V-0 |
| AdvancedTCA Specified Product | No       |

### Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 11   |
| Packaging Method   | Tube |

### Other

|         |   |
|---------|---|
| Comment | Female connector with pre-installed shield. |
|---------|---|

### 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 2019 (197)<br>Candidate List Declared Against: JAN 2018 (181) |
| 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

### Compatible Parts



TE Part # 5188637-1  
Z-PACK/C M-HDR 77P

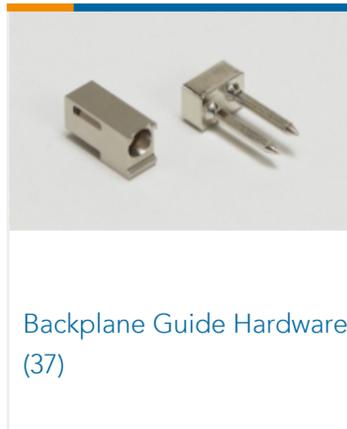


TE Part # 5106081-1  
2MM HM, HEADER, TYPE C

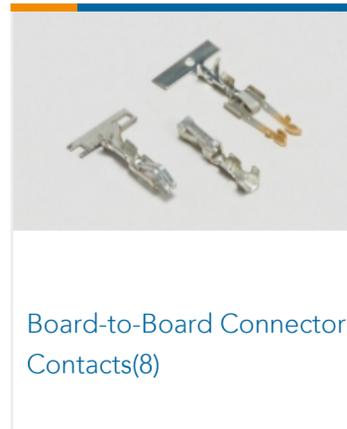
Also in the Series | Z-PACK 2mm HM



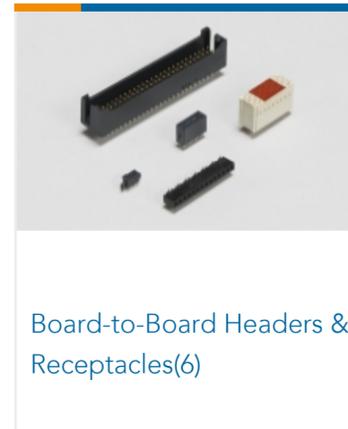
Backplane Coding Keys(60)



Backplane Guide Hardware (37)



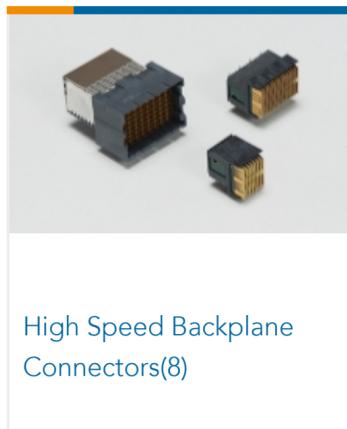
Board-to-Board Connector Contacts(8)



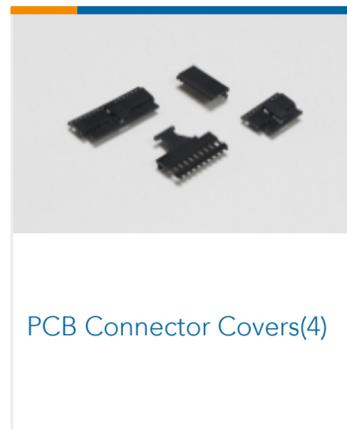
Board-to-Board Headers & Receptacles(6)



Hard Metric Backplane Connectors(257)



High Speed Backplane Connectors(8)



PCB Connector Covers(4)



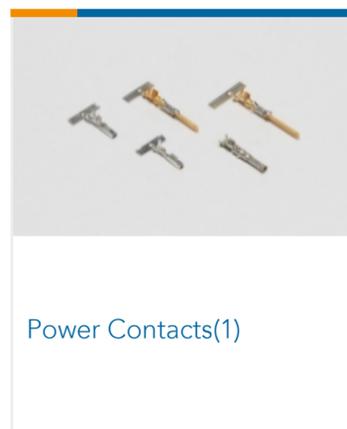
PCB Connector Shrouds (48)



PCB Ferrules & Shields(19)



PCB Latches, Locks & Retainers(1)



Power Contacts(1)



Rectangular Power Connectors(111)

Customers Also Bought



TE Part #5352112-2  
Z-PACK SHLD.LOWER C



TE Part #5223957-1  
UPM GUIDE MODULE



TE Part #2057630-1  
CFP Receptacle Conn Assy



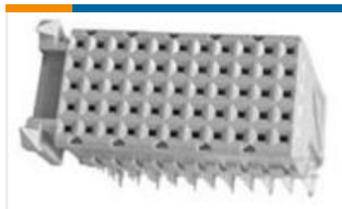
TE Part #2057631-1  
CFP Receptacle Cover Assy



TE Part #5106081-1  
2MM HM, HEADER, TYPE  
C



TE Part #2057592-2  
CFP Guide Rail



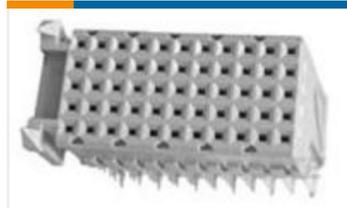
TE Part #5100161-1  
Z-PACK/C RAF 55P



TE Part #1489948-2  
XFP HEAT SINK CLIP,  
PLATED



TE Part #5223963-1  
UNV,PWR,MDL,HDR,SEQ



TE Part #352115-1  
Z-PACK/C F-HDR 55P

## Documents

### Product Drawings

#### Z-PACK/C RAF 55P

English

### CAD Files

#### 3D PDF

English

#### Customer View Model

[ENG\\_CVM\\_5352115-1\\_G3.3d\\_stp.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_5352115-1\\_G3.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_5352115-1\\_G3.3d\\_igs.zip](#)

English

### Product Specifications

#### Application Specification

English

### Product Environmental Compliance

#### TE Material Declaration

English