

5352009-1 ✓ ACTIVE

Z-PACK | Z-PACK 2mm HM

TE Internal #: 5352009-1

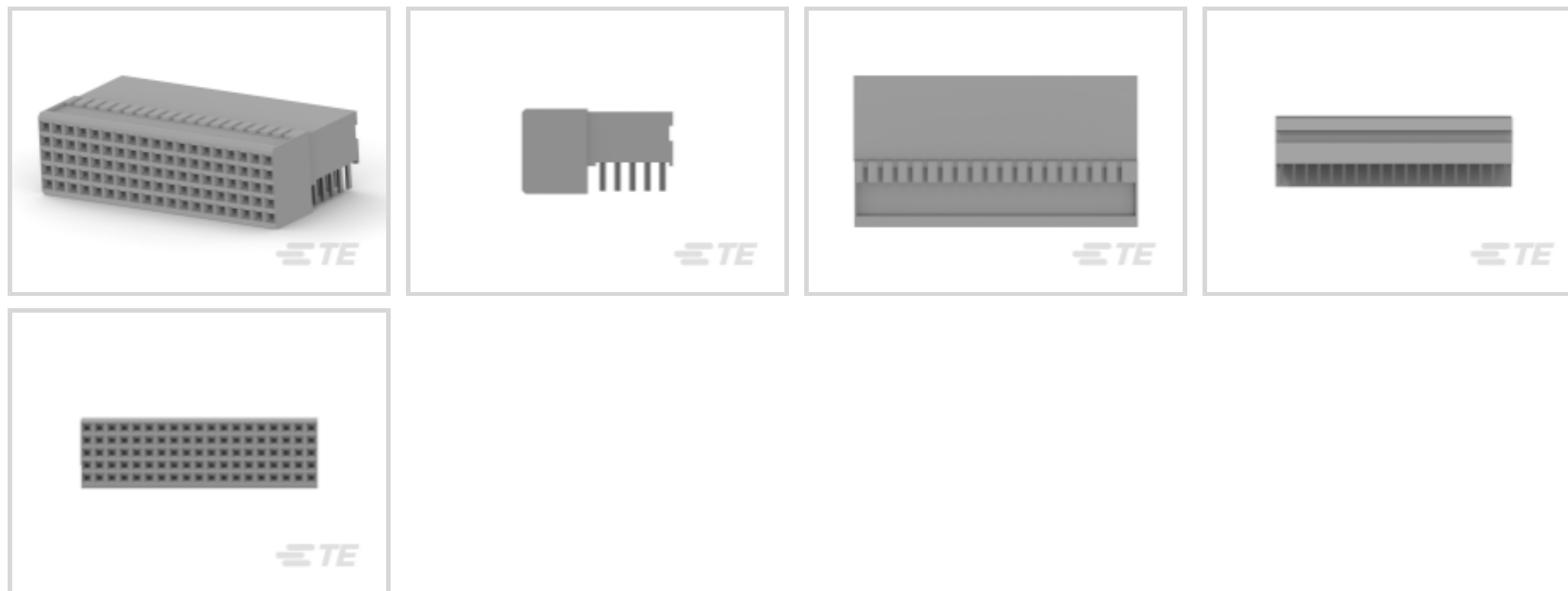
Hard Metric Backplane Connectors, PCB Mount Receptacle,  $\leq 1$  Gb/s, 19 Column, 5 Row, Mezzanine, Board-to-Board, 95 Position, Z-PACK 2mm HM

[View on TE.com >](#)



[Connectors >](#) [PCB Connectors >](#) [Backplane Connectors >](#) [Hard Metric Connectors >](#)

HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm



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

Data Rate:  $\leq 1$  Gb/s

Number of Columns: **19**

Number of Rows: **5**

Backplane Architecture: **Mezzanine**

[All HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm \(48\)](#)

## Features

### Product Type Features

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

### Configuration Features

|                        |               |
|------------------------|---------------|
| Rows Loaded            | A, B, C, D, E |
| Number of Columns      | 19            |
| Number of Rows         | 5             |
| Backplane Architecture | Mezzanine     |
| Number of Positions    | 95            |
| PCB Mount Orientation  | Right Angle   |



### Signal Characteristics

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

### Contact Features

|  |                   |
|--|-------------------|
| Feedthrough Post Length                        | 3.7 mm            |
| Contact Type                                   | Socket            |
| Contact Underplating Material                  | Nickel            |
| PCB Contact Termination Area Plating Material  | Tin               |
| Contact Base Material                          | Phosphor Bronze   |
| CompactPCI Designation                         | None              |
| Contact Mating Area Plating Material           | Performance Based |
| Contact Mating Area Plating Material Thickness | .76 μm[30 μin]    |
| Contact Current Rating (Max)                   | 1.5 A             |

### Termination Features

|   |                          |
|---|--------------------------|
| Termination Method to Printed Circuit Board | Through Hole - Press-Fit |
|---|--------------------------|

### Mechanical Attachment

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

### Housing Features

|                    |                |
|--------------------|----------------|
| Housing Material   | Polyester - GF |
| Centerline (Pitch) | 2.54 mm[.1 in] |
| Housing Color      | Gray           |

### Dimensions

|                         |       |
|-------------------------|-------|
| Backplane Module Length | 38 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 |
| AdvancedTCA Specified Product | No       |



### Packaging Features

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

### Product Compliance

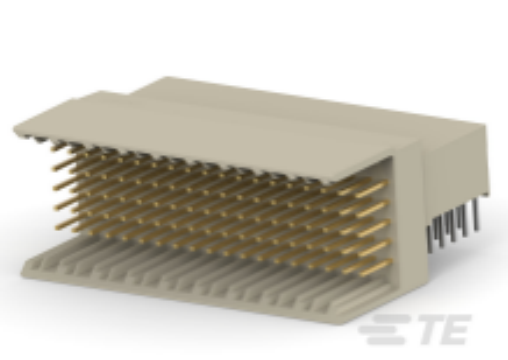

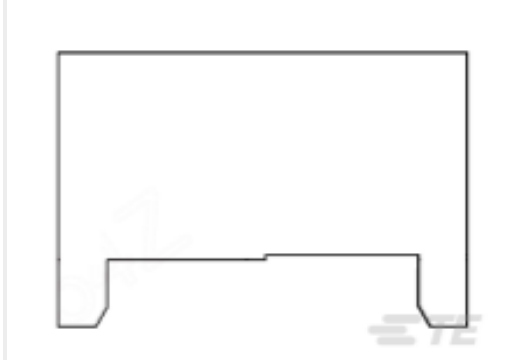
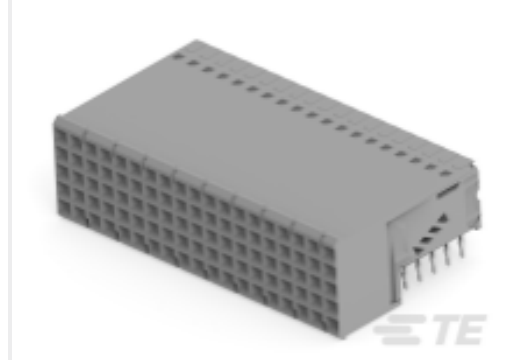
[For compliance documentation, visit the product page on TE.com>](#)


|   |  |
|---|--|
| EU RoHS Directive 2011/65/EU                  | Compliant  |
| EU ELV Directive 2000/53/EC                   | Compliant  |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold  |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2022 (224)<br>Candidate List Declared Against: JAN 2022 (223)<br>SVHC > Threshold:<br>Not Yet Reviewed |
| 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


|  |  |   |   |
|--|--|---|---|
|  <p>TE Part # 5352406-1<br/>Z-PACK/B RAMH. 95P.</p> |  <p>TE Part # 5352711-1<br/>Z-PACK/B-HDR, 133 POSN</p> |  <p>TE Part # 122559-1<br/>SEATING TOOL 2MM HM 7 ROW</p> |  <p>TE Part # 2392852-1<br/>Z-PACK/B19 RAF 95P EON</p> |
|--|--|---|---|



TE Part # 6392175-1  
Z-PACK/B-19 M-HDR 95POS




TE Part # 6645305-1  
2MM H.M. 5 + 2 ROW 19 COL. TYPE "B" PIN

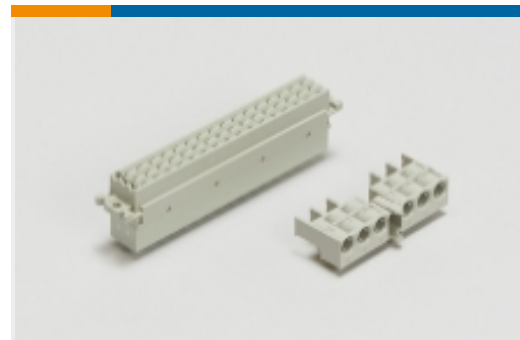


TE Part # 6645306-1  
2MM H.M. 5 + 2 ROW 19 COL. TYPE "B" PIN


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



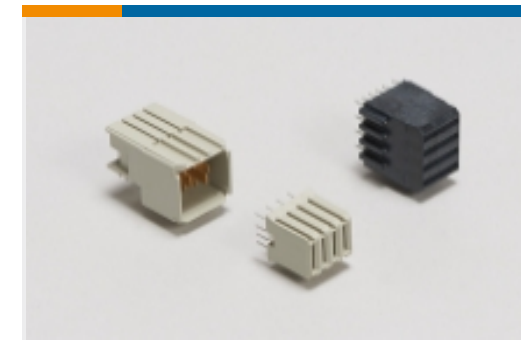
Backplane Coding Keys(60)




Backplane Connector Housings(4)



Backplane Guide Hardware(37)




Backplane Power Connectors(6)




Board-to-Board Connector Contacts(2)



Hard Metric Backplane Connectors (269)



High Speed Backplane Connectors(1)




Insertion & Extraction Tools(2)



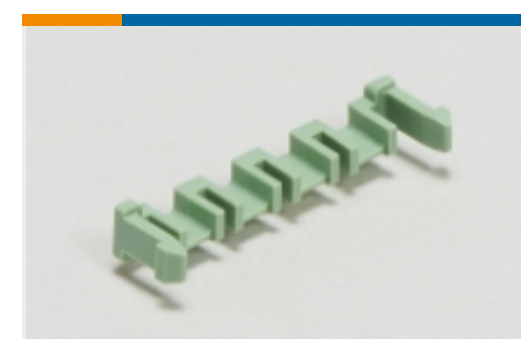
PCB Connector Covers(4)



PCB Connector Shrouds(39)



PCB Ferrules & Shields(19)

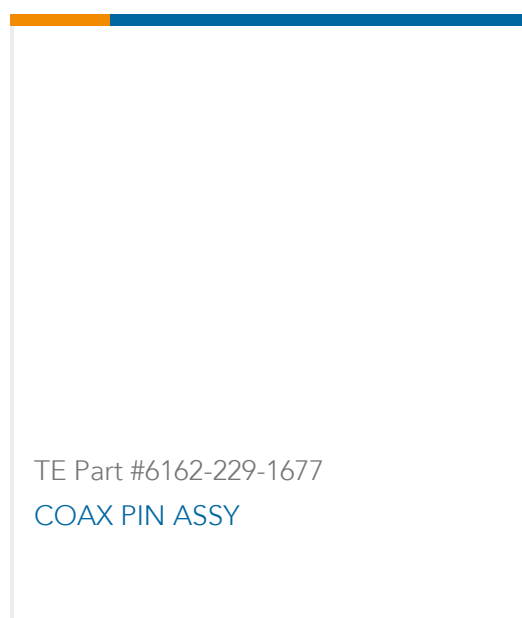


PCB Latches, Locks & Retainers(1)



Rectangular Power Connectors(87)

## Customers Also Bought



## Documents

### Product Drawings

[Z-PACK/B19 RAF 95P](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_5352009-1\\_A.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5352009-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5352009-1\\_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

---

### Product Environmental Compliance

[MD\\_5352009-1\\_08092016642\\_dmtec](#)

English

[MD\\_5352009-1\\_08092016642\\_dmtec](#)

English