

5352171-1 ✓ ACTIVE

Z-PACK | Z-PACK 2mm HM

TE Internal #: 5352171-1

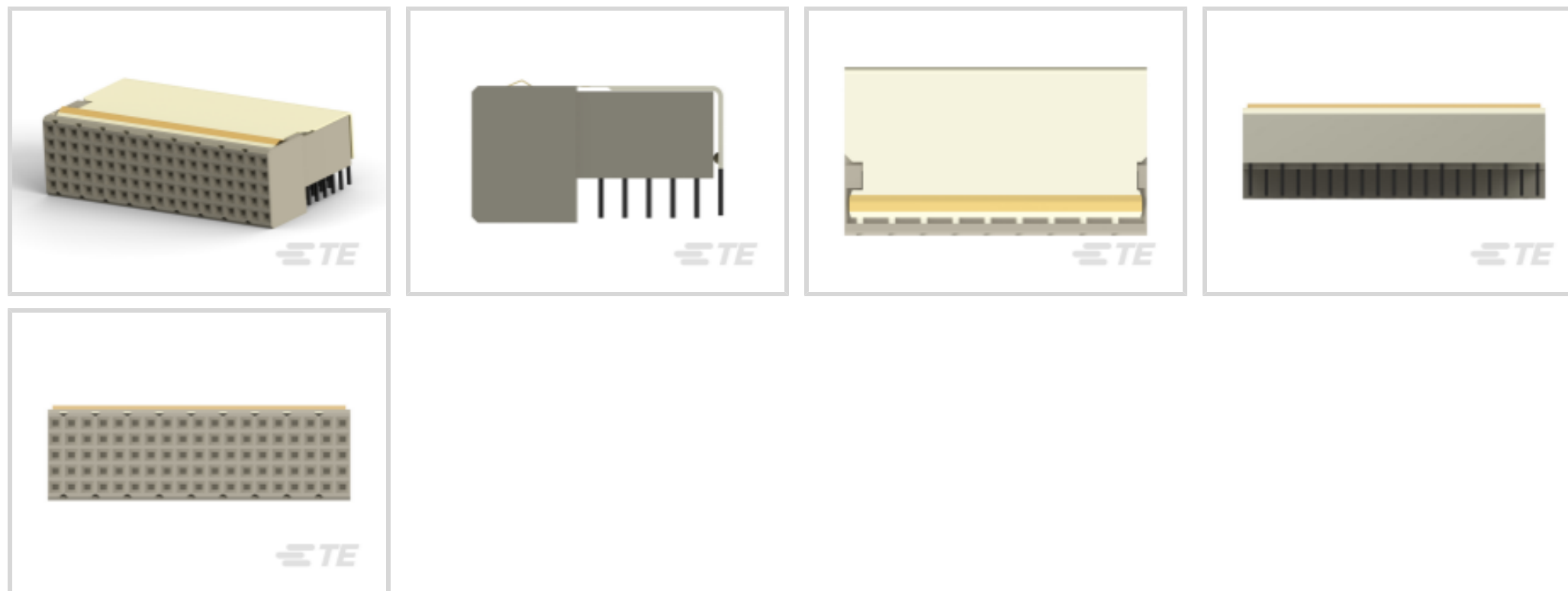
Hard Metric Backplane Connectors, PCB Mount Receptacle, ≤ 1 Gb/s, 19 Column, 5 Row, Mezzanine, Board-to-Board, 95 Position, Z-PACK 2mm HM

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

HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm



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

Data Rate: ≤ 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 |
| Ground Component Type | Ground Return Shielding |
| PCB Connector Assembly Type | PCB Mount Receptacle |
| Connector System | Board-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|---------------------------------|-------------------------|
| Mating & Unmating Configuration | Make First / Break Last |
| Rows Loaded | A, B, C, D, E |
| Number of Signal Positions | 95 |
| 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 | 3.3 mm |
|-------------------------|--------|

| | |
|--------------|--------|
| Contact Type | Socket |
|--------------|--------|

| | |
|-------------------------------|--------|
| Contact Underplating Material | Nickel |
|-------------------------------|--------|

| | |
|---|-----|
| PCB Contact Termination Area Plating Material | Tin |
|---|-----|

| | |
|-----------------------|-----------------|
| Contact Base Material | Phosphor Bronze |
|-----------------------|-----------------|

| | |
|------------------------|----|
| CompactPCI Designation | J3 |
|------------------------|----|

| | |
|--------------------------------------|------|
| 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 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 mm[.078 in] |
|--------------------|---------------|

| | |
|---------------|------|
| Housing Color | Gray |
|---------------|------|

Dimensions

| | |
|-------------------------|-------|
| Backplane Module Length | 38 mm |
|-------------------------|-------|

Usage Conditions

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

Operation/Application

| | |
|----------|-----|
| Shielded | Yes |
|----------|-----|

| | |
|---------------------|----------------|
| 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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 # CAT-472-Z12
Hard Metric Male Connector:
Traditional Backplane, Mezzanine,
2mm

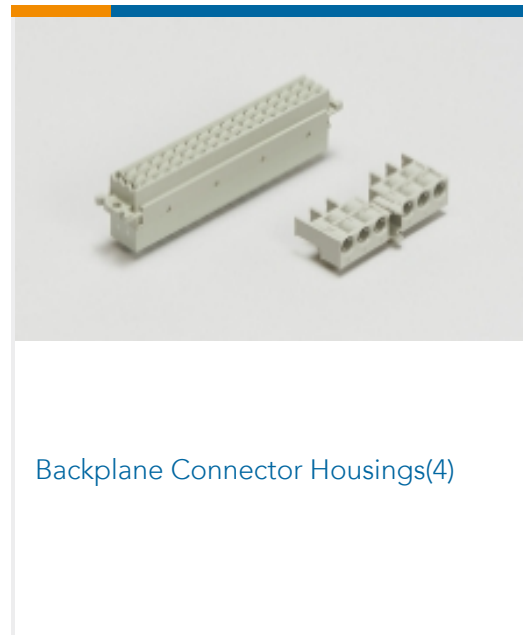


TE Part # 2392853-1
Z-PACK/B19 RAF 95P EON

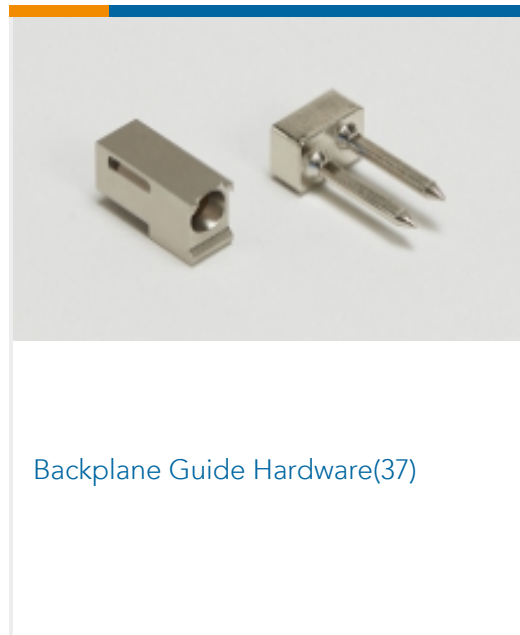
Also in the Series | Z-PACK 2mm HM



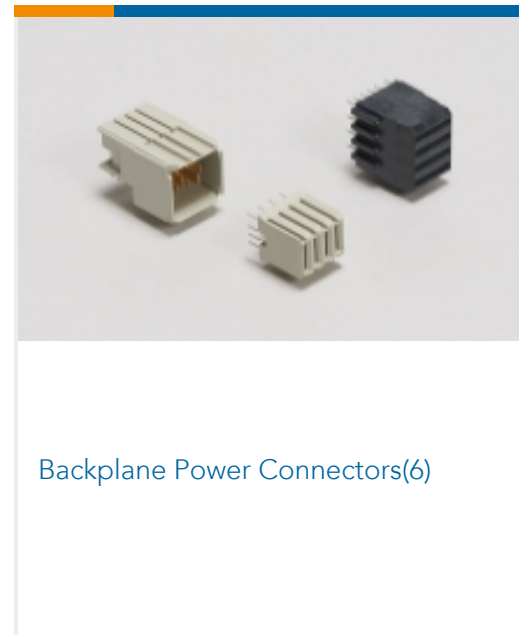
Backplane Coding Keys(60)



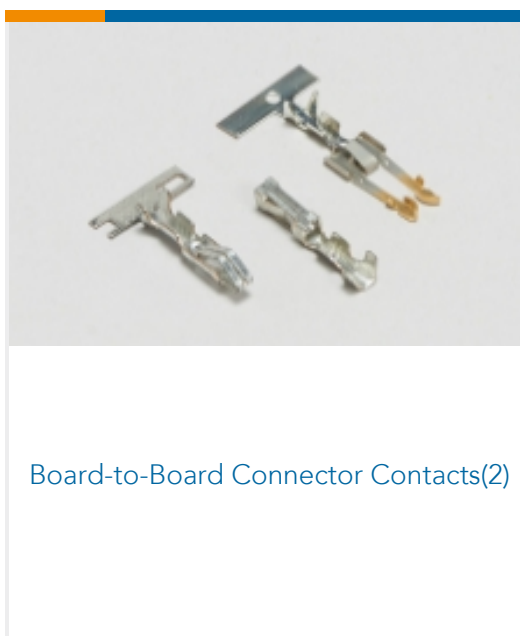
Backplane Connector Housings(4)



Backplane Guide Hardware(37)



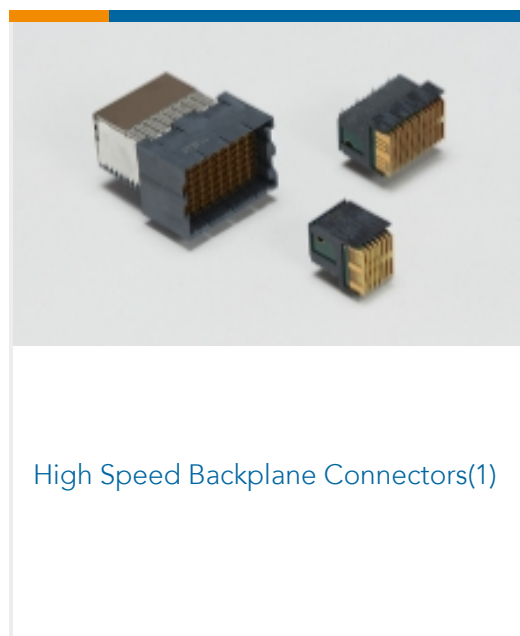
Backplane Power Connectors(6)



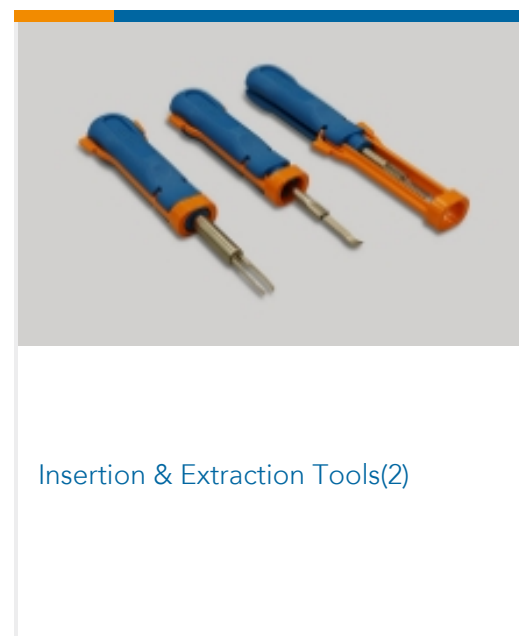
Board-to-Board Connector Contacts(2)



Hard Metric Backplane Connectors
(269)



High Speed Backplane Connectors(1)



Insertion & Extraction Tools(2)



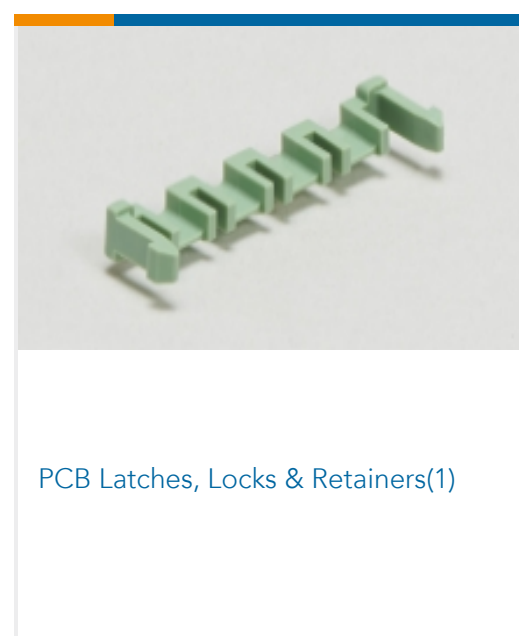
PCB Connector Covers(4)



PCB Connector Shrouds(39)



PCB Ferrules & Shields(19)

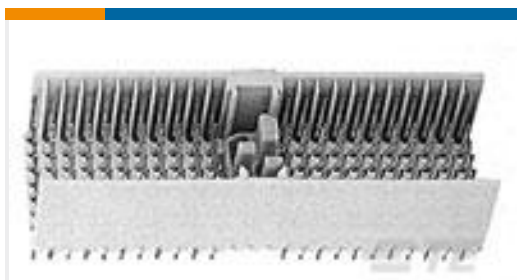


PCB Latches, Locks & Retainers(1)



Rectangular Power Connectors(87)

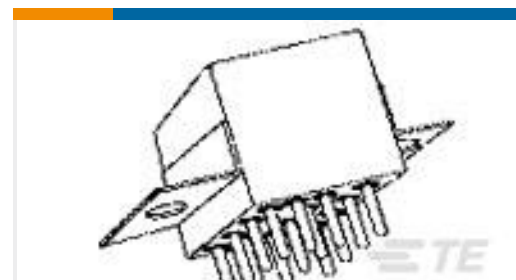
Customers Also Bought



TE Part #352332-1
2MM HM TYPE A MALE HDR 154 POS



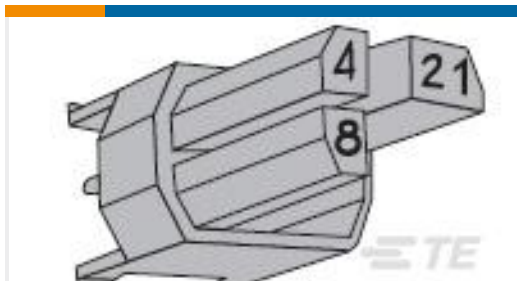
TE Part #1-2176056-7
RLP73M 2B R047 5% 5K RL



TE Part #7-1617760-7
FCB-405-0617M=M83536/6-017M



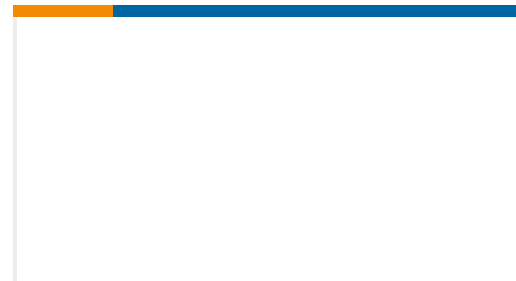
TE Part #3-1761603-1
IDC LOW PRO HDR 34P VERT BLUE



TE Part #3-100525-2
Z-PACK M.CODING KEY



TE Part #1551920-1
zQSFP+ connector assembly



TE Part #51604-18-85P1
HERM RECP

Documents

Product Drawings

Z-PACK/B19 RAF 95P

English

CAD Files

Customer View Model

[ENG_CVM_CVM_5352171-1_A.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5352171-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5352171-1_A.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English

Product Environmental Compliance

[MD_5352171-1_04182018255_dmtec](#)

English

[MD_5352171-1_04182018255_dmtec](#)

English

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