

5646492-1 ✓ ACTIVE



Z-PACK | Z-PACK 2mm HM

TE Internal #: 5646492-1

Hard Metric Backplane Connectors, PCB Mount Receptacle, ≤ 1 Gb

/s, 11 Column, 8 Row, Mezzanine, 88 Position, 2 mm [.078 in]

Centerline, Z-PACK 2mm HM

[View on TE.com >](#)

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

HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm



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

Data Rate: ≤ 1 Gb/s

Number of Columns: **11**

Number of Rows: **8**

Backplane Architecture: **Mezzanine**

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

Features

Product Type Features

| | |
|-----------------------------------|-------------------------|
| Backplane Interface Type | 2mm HM |
| Ground Feature 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

| | |
|----------------------------|------------------------|
| Rows Loaded | A, B, C, D, E, F, G, H |
| Number of Signal Positions | 88 |
| Number of Columns | 11 |
| Number of Rows | 8 |
| Backplane Architecture | Mezzanine |



| | |
|---------------------|----|
| Number of Positions | 88 |
|---------------------|----|

| | |
|-----------------------|-------------|
| PCB Mount Orientation | Right Angle |
|-----------------------|-------------|

Signal Characteristics

| | |
|-------------------|----------|
| Crosstalk Version | Standard |
|-------------------|----------|

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

Body Features

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

Contact Features

| | |
|-------------------------|--------|
| Feedthrough Post Length | 3.3 mm |
|-------------------------|--------|

| | |
|------------------------|------|
| CompactPCI Designation | None |
|------------------------|------|

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

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

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

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

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

| | |
|-----------------------|----------------------|
| Mating Alignment Type | Multi-Purpose Center |
|-----------------------|----------------------|

| | |
|-------------------------|-------------|
| 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 | Yes |
|----------|-----|



Circuit Application

Signal

Industry Standards

UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Quantity

20

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 2023 (235)
 Candidate List Declared Against: JUNE 2023 (235)
 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

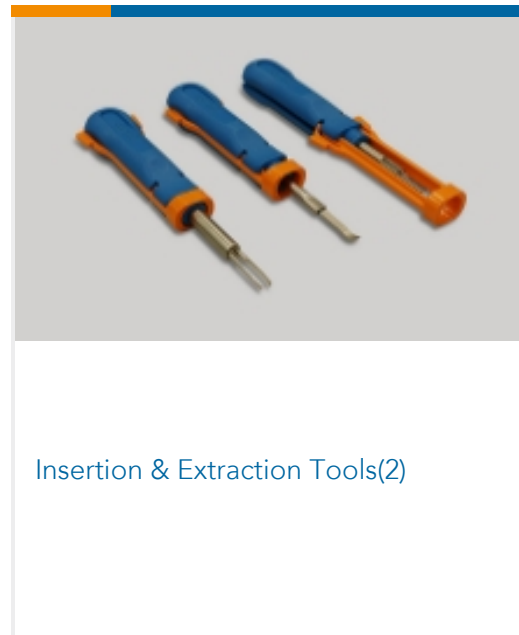
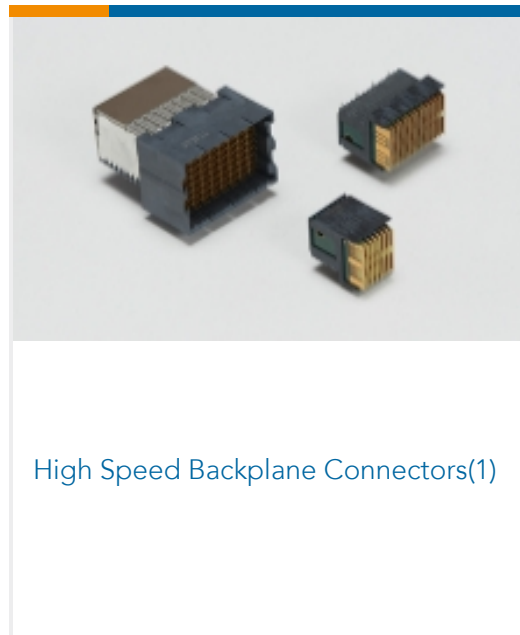
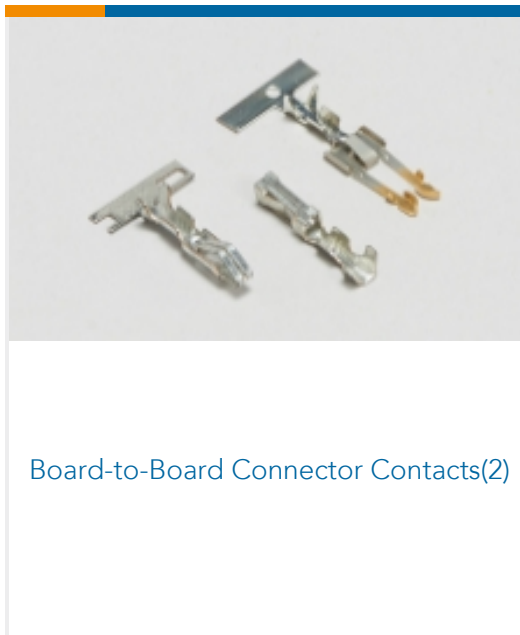
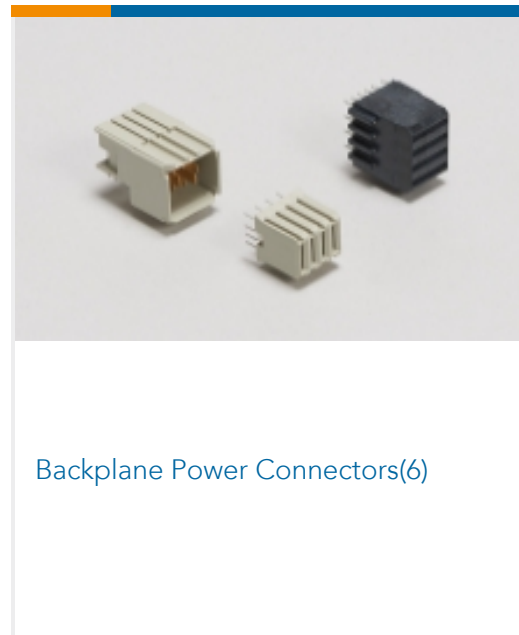
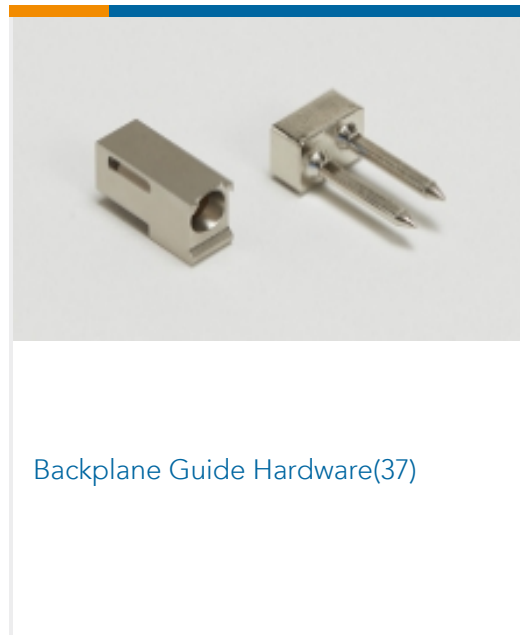
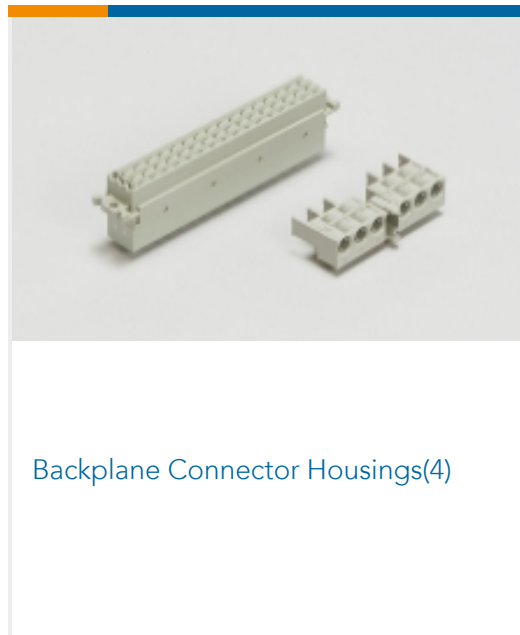
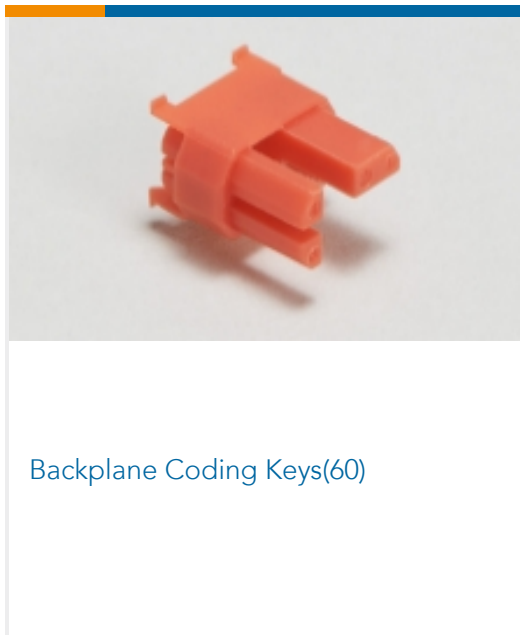
Product Compliance Disclaimer

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

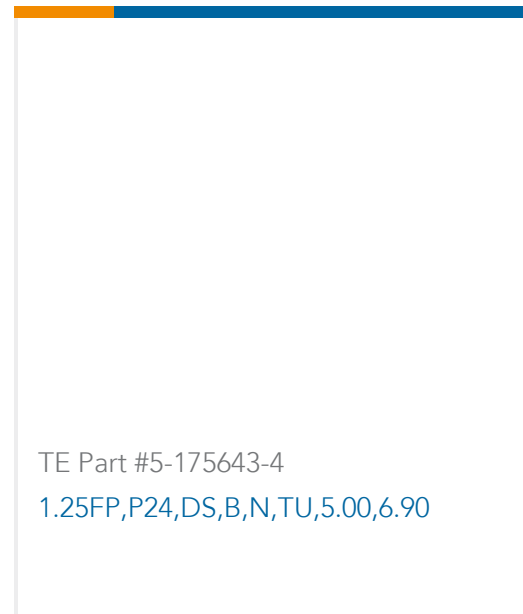
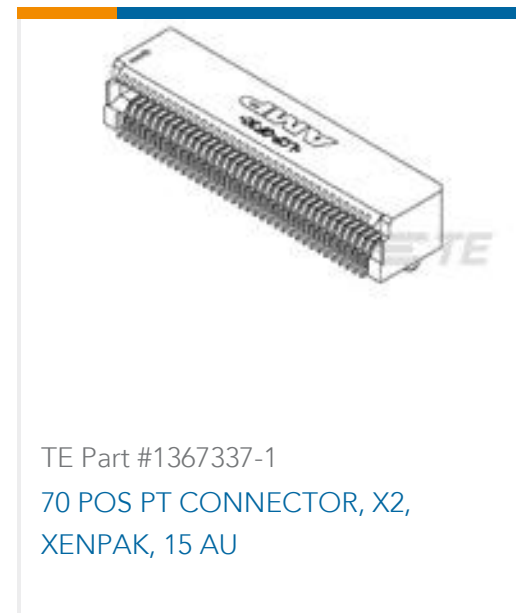
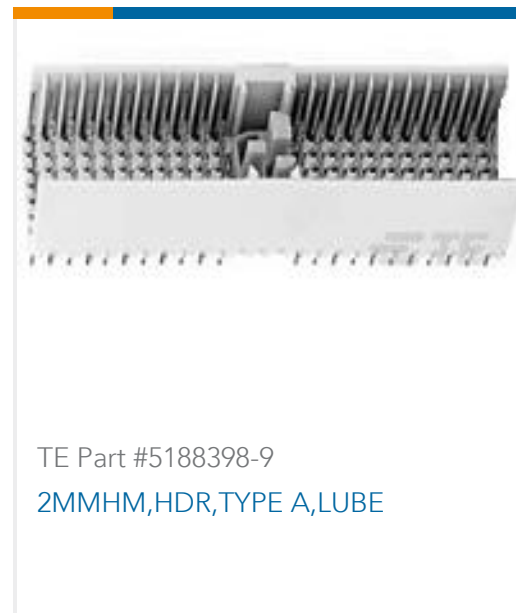


Also in the Series | Z-PACK 2mm HM



Customers Also Bought





Documents

Product Drawings

[2MM HM,ASY,T-F,REC,TT/PRE-SHLD](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_5646492-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_5646492-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_5646492-1_B.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English