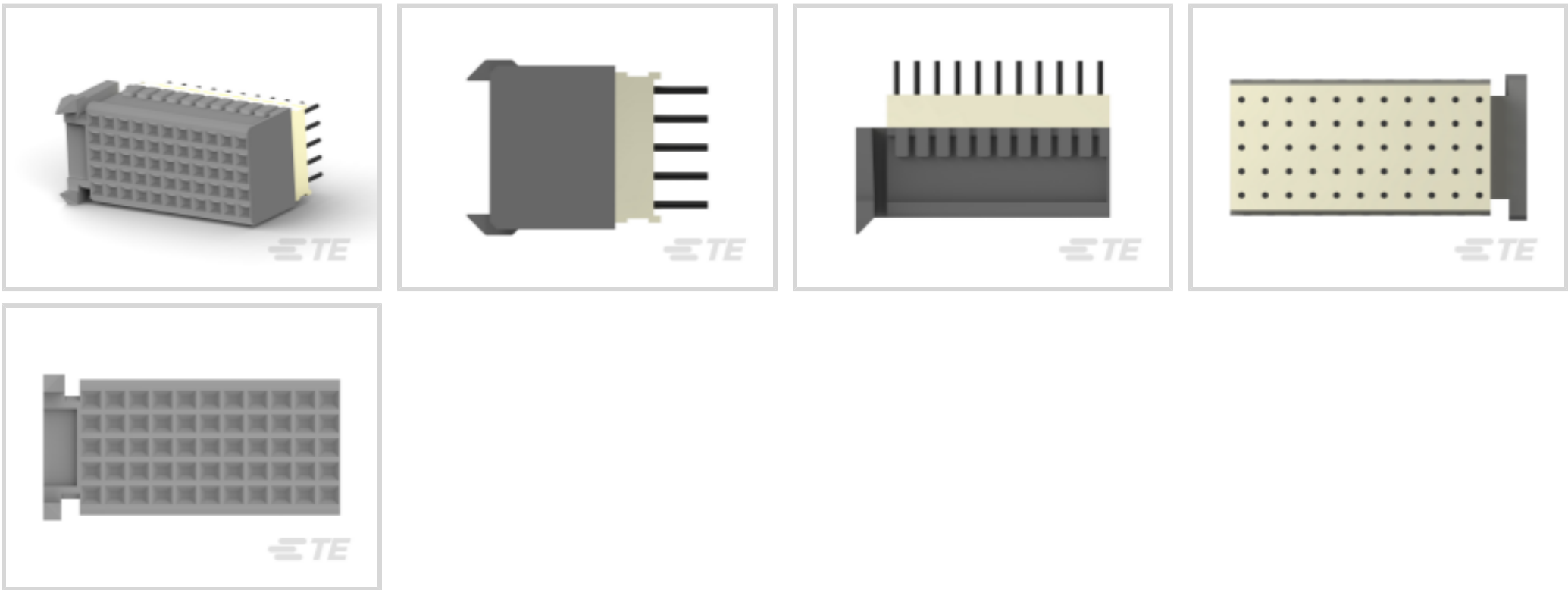




Connectors > PCB Connectors > Backplane Connectors > Hard Metric Backplane Connectors >

Hard Metric Backplane Receptacle Connector: Mezzanine, 2mm



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

Data Rate: **≤1 Gb/s**

Number of Columns: **11**

Number of Rows: **5**

Backplane Architecture: **Mezzanine**

[All Hard Metric Backplane Receptacle Connector: Mezzanine, 2mm \(27\)](#)

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Backplane Interface Type          | 2mm HM                |
| 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      | 11        |
| Number of Rows         | 5         |
| Backplane Architecture | Mezzanine |
| Number of Positions    | 55        |
| PCB Mount Orientation  | Vertical  |

Signal Characteristics



|                   |         |
|-------------------|---------|
| Crosstalk Version | Reduced |
|-------------------|---------|

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

Body Features

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

Contact Features

|                            |        |
|----------------------------|--------|
| Contact Mating Area Length | 3.3 mm |
|----------------------------|--------|

|                         |        |
|-------------------------|--------|
| Feedthrough Post Length | 3.7 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 | Nickel |
|--------------------------------------|--------|

|                                                |                 |
|------------------------------------------------|-----------------|
| Contact Mating Area Plating Material Thickness | 1.27 μm[50 μin] |
|------------------------------------------------|-----------------|

|                              |       |
|------------------------------|-------|
| Contact Current Rating (Max) | 1.5 A |
|------------------------------|-------|

Termination Features

|                           |                          |
|---------------------------|--------------------------|
| Termination Method to PCB | Through Hole - Press-Fit |
|---------------------------|--------------------------|

Mechanical Attachment

|                         |             |
|-------------------------|-------------|
| 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 | No |
|----------|----|

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

Industry Standards

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



Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 22   |
| Packaging Method   | Tray |

Product Compliance

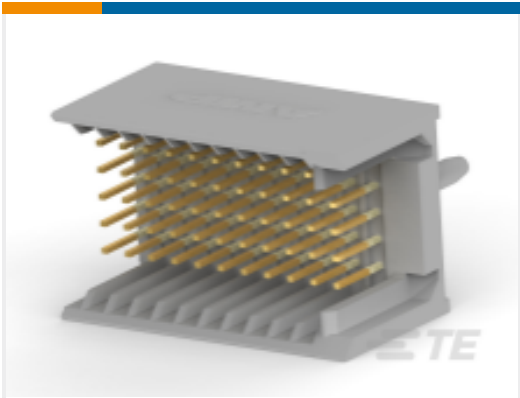
For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<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                                                                                    |

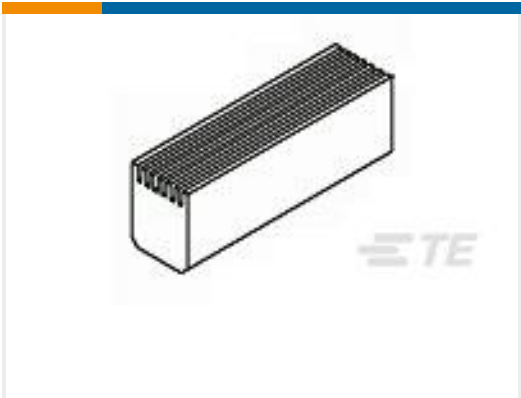
Product Compliance Disclaimer

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

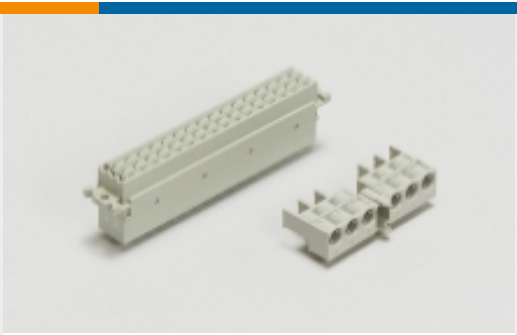


TE Part # 5100159-1  
2MM HDR, 55 POS EXTN MOD

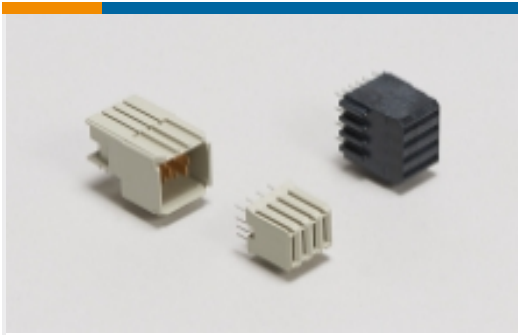


TE Part # 122561-1  
SUPPORT ANVIL 2MM H.M. 7 ROW

Also in the Series | Z-PACK 2mm HM



Backplane Connector Housings(4)



Backplane Power Connectors(6)



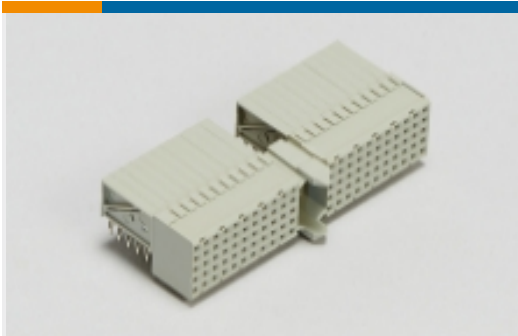
Connector Caps & Covers(62)



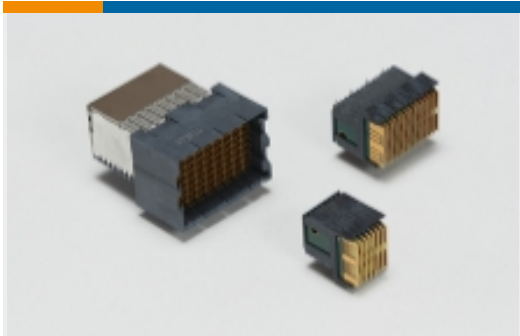
Connector Contacts(2)



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 #5106012-1  
Z-PACK/C RAMH. 55P.



TE Part #1-6450871-0  
MBXLE R/A RCPT 20S+6P



TE Part #ZPF000000000105846  
DBAS 74-61-42 PN 1A



TE Part #ZPF000000000077499  
DBAS 76G 61-42 PN



TE Part #ZPF000000000013738  
DBAS 76G 61-42 SN 1A



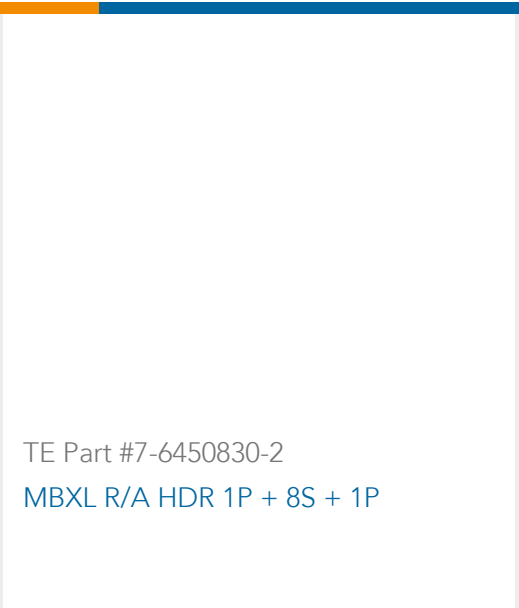
TE Part #2170184-2  
20 POS SMT CONN, SFP+, 30A



TE Part #2274157-5  
SFP+ assy 2x2 Spring Fingers 4 LP Sn



TE Part #2319224-6  
zSFP+ STACKED 2X6 RECEPTACLE ASSEMBLY



Documents

Product Drawings

Z-PACK/C VF 55P

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_5106775-1\_A.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5106775-1\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5106775-1\_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

Agency Approvals

UL Report

English