



Z-PACK | Z-PACK 2mm HM

TE Internal #: 3-646445-0

Hard Metric Backplane Connectors, PCB Mount Receptacle, 1 Gb/s, 25 Column, 8 Row, Traditional Backplane, 200 Position, Z-PACK 2mm HM

[View on TE.com >](#)

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: **25**

Number of Rows: **8**

Backplane Architecture: **Traditional Backplane**

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

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| 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 | 25 |
| Number of Rows | 8 |
| Backplane Architecture | Traditional Backplane |
| Number of Positions | 200 |
| PCB Mount Orientation | Right Angle |

Signal Characteristics

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



Body Features

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

Contact Features

| | |
|--|----------------|
| CompactPCI Designation | None |
| Contact Type | Socket |
| Contact Mating Area Plating Material | Gold |
| Contact Mating Area Plating Material Thickness | .76 µm[30 µin] |
| Contact Current Rating (Max) | 1.5 A |

Mechanical Attachment

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

Housing Features

| | |
|--------------------|--------------|
| Centerline (Pitch) | 2 mm[.07 in] |
|--------------------|--------------|

Usage Conditions

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

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Packaging Features

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

Product Compliance

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

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Not Compliant |
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (13% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| 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 # 3-646347-0
2MM HM,ASY,T-E,HDR,08R,200,AP

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 #CW4574-000
R85049/85-12N02



TE Part #YDTS20F19-35AAV001
RECP ASSY



TE Part #YDTS20F23-55ANV001
RECP ASSY



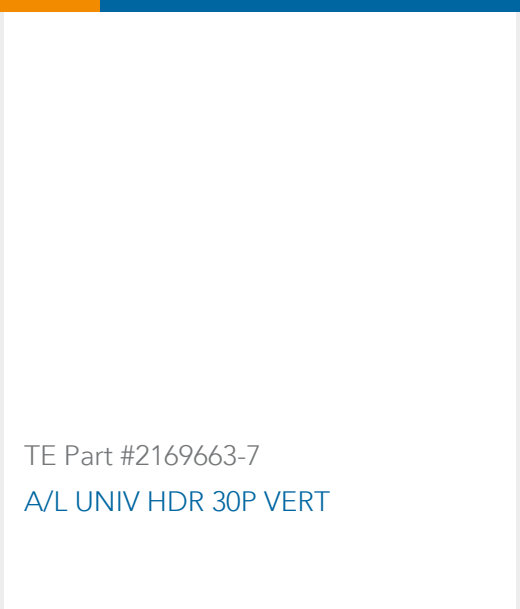
TE Part #YDTS20F25-35ACV001
RECP ASSY



TE Part #YDTS26T17-06SAV001
D38999: Straight Plug, 17-06 Insert



TE Part #534998-3
06 MODIV VRT DR CE 100/125



TE Part #2169663-7
A/L UNIV HDR 30P VERT

Documents

Product Drawings

2MM HM,ASY,T-E,REC,TWIST TULIP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-646445-0_P.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-646445-0_P.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-646445-0_P.3d_stp.zip

English

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[Product Specifications](#)

[Application Specification](#)

English