



+ CONNECTORS

HARD METRIC BACKPLANE CONNECTORS



✓ Active

TE CONNECTIVITY (TE)  
HMZD 4PR. HDR ASSY.,25MM MODUL  
Z-PACK | HM-Zd

6469056-1  
TE Internal Number: 6469056-1

EU RoHS Compliant  
EU ELV Compliant

Data Rate (Gb/s) ≤12  
Number of Columns 10  
Number of Rows 8  
Number of Pairs 40  
Number of Positions 80

↓ PRODUCT DRAWING  
English

↓ 3D PDF

DOCUMENTATION

Product Drawings

HEADER ASSEMBLY, 4 PAIR, SELECTIVELY LOADED, 1.8mm TAIL, 25mm HMZd  
PDF  
English

CAD Files

Customer View Model  
2D\_DXF.ZIP  
English

Customer View Model  
3D\_IGS.ZIP  
English

Customer View Model

3D\_STP.ZIP

English

3D PDF

PDF

English

Product Specifications

Application Specification

Z-PACK Hard Metric (HM)-Zd And HM-Zd Plus 2-, 3-, And 4-Pair Connector Systems

PDF

English

Product Specification

Two, Three And Four Pair HM-Zd Connectors

PDF

English

Qualification Test Report

Two, Three And Four Pair HM-Zd Connectors

PDF

English

FEATURES



Please review product documents or [contact us](#) for the latest agency approval information.

Please Note: Use the Product Drawing for all design activity.

Product Type Features

- PCB Mounting Orientation Vertical
- Connector & Contact Terminates To Printed Circuit Board
- Make First / Break Last No
- Shielded Yes
- Connector Style Plug
- Connector Type Header

Configuration Features

- Selectively Loaded Yes
- Number of Columns 10
- Number of Rows 8
- Number of Pairs 40
- Number of Positions 80
- Sequenced Pins Yes (See Drawing)
- Card Slot Centerline (mm) 25.4
- Pairs per Column 4

Signal Characteristics

- Data Rate (Gb/s) ≤12

Body Features

Shield Material    Phosphor Bronze

Contact Features

**Contact Configuration**    Compliant Pin  
**Grounding Contact**    With  
**CompactPCI Designation**    None  
**Contact Mating Area Plating Material**    Gold  
**Contact Mating Area Plating Thickness (µm)**    .76  
**Feedthrough Post Length (mm)**    1.8  
**Contact Base Material**    Phosphor Bronze  
**Contact Mating Area Length (mm)**    5.3  
**Contact Type**    Pin

Termination Features

**Termination Method**    Press-Fit  
**Interface Type**    HM-Zd  
**Termination End Plating Material**    Tin over Nickel  
**Contact Termination Type**    Through Hole

Mechanical Attachment

**Mating Alignment Type**    Polarization

Housing Features

**Centerline (Pitch) (mm)**    2.5  
**Housing Color**    Gray  
**Housing Material**    Polyester - GF

Dimensions

**Module Length (mm)**    24.9

Industry Standards

**AdvancedTCA Specified Product**    No  
**UL Flammability Rating**    UL 94V-0

Packaging Features

**Packaging Method**    Tube  
**Packaging Quantity**    20

PRODUCT COMPLIANCE



Statement of Compliance

**Statement of Compliance**  
PDF