+ CONNECTORS

HARD METRIC BACKPLANE CONNECTORS

✔ Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

2MMHM PIN HDR,TYPE A 154POS 7R

Z-PACK | Z-PACK 2mm HM

5106509-1
TE Internal Number: 5106509-1

Always EU RoHS/ELV Compliant

Data Rate (Gb/s)	**≤1**
Number of Columns	**25**
Number of Rows	**5+2**
Centerline (mm)	**2**
Number of Positions	**154**

Product Drawings

MALE ASSEMBLY, Z-PACK 2mm HM, TYPE A
PDF **(TIFF AVAILABLE)**
English

MALE ASSEMBLY, Z-PACK 2mm HM, TYPE A
PDF **(TIFF AVAILABLE)**
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

Product Specification

Z-Pack 2 Mm HM CONNECTORS
PDF
English

Application Specification

Z-PACK 2mm HM Interconnection System For Board-To-Board Connections
PDF
English

Product Environmental Compliance

TE Material Declaration

MD_5106509-1_06132013046_dmtec
PDF
English

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**
	Shielded	**Yes**
	Connector Style	**Plug**
	Make First / Break Last	**No**
	Connector Type	**Connector Assembly**
	Applies To	**Printed Circuit Board**

Configuration Features	Number of Columns	**25**
	Number of Rows	**5+2**
	Number of Positions	**154**
	Rows Loaded	**A, B, C, D, E, F, Z**

| Signal Characteristics | Data Rate (Gb/s) | **≤1** |
| | Crosstalk Version | **Reduced** |

| Body Features | Shield Type | **Ground Return Shielding** |

Contact Features	Contact Mating Area Plating Material	**Nickel**
	Contact Mating Area Plating Thickness (µm)	**1.27**
	Contact Style	**Feed Through**
	CompactPCI Designation	**None**
	Contact Mating Area Length (mm)	**10**
	Feedthrough Post Length (Rows A-E) (mm)	**13**
	Contact Base Material	**Phosphor Bronze**
	Number of Signal Contacts	**154**
	Contact Configuration	**ACTION PIN, Signal**
	Feedthrough Post Length (Rows F & Z) (mm)	**16**
	Grounding Contact	**Without**
	Contact Type	**Pin**

| Termination Features | Termination End Plating Material | **Tin over Nickel** |
| | Interface Type | **2mm HM** |

| Mechanical Attachment | Front Mating Level | **Level 1** |
| | Mating Alignment Type | **Multi-Purpose Center** |

Housing Features	Centerline (mm)	**2**
	Housing Color	**Gray**
	Housing Material	**Polyester - GF**

| Dimensions | Module Length (mm) | **50** |

| Industry Standards | UL Flammability Rating | **UL 94V-0** |

| Packaging Features | Packaging Method | **Tube** |
| | Packaging Quantity | **10** |

| Product Compliance | Statement of Compliance
PDF | |
| | VIEW ALL PRODUCT COMPLIANCE | |

CUSTOMERS ALSO BOUGHT

PCB CONNECTOR SHROUDS	HARD METRIC BACKPLANE CONNECTORS	BACKPLANE GUIDE HARDWARE	WIRE-TO-BOARD HEADERS & RECEPTACLES
2MM H.M., "A" SHROUD, 3.9MM	Z-PACK/A F-HDR 110P	UNV PWR MDL, GUIDE PIN LOCT PL	20 MTE HDR SRRA LATCH W/HLDWN
646478-2	352068-1	223956-1	1-103673-9
Save to List	Save to List	Save to List	Save to List
Find Similar Products	Find Similar Products	Find Similar Products	Find Similar Products

---

Products - 3 Results

View All   Compare 0/10

Relation Type ▼

RELATIONSHIP
Mating Products
Used to identify Mating Parts

See All Mating Products

PRODUCT - MATING PRODUCTS

Connectors - Hard Metric Connectors
Z-PACK | Z-PACK 2mm HM
Z-PACK/A RAF 110P

Always EU RoHS/ELV Compliant

Data Rate **≤1 Gb/s**

- 5352068-1
TE INTERNAL NUMBER: 5352068-1
ALIAS ID: 1187098, 1337263, 1367710

✔ Active

Number of Rows **5**

Centerline **3.7 mm**

Number of Positions **110**

PCB Mounting Orientation **Right Angle**

RELATIONSHIP
Mating Products
Used to identify Mating Parts

See All Mating Products

PRODUCT - MATING PRODUCTS

Connectors - Hard Metric Connectors
Z-PACK | Z-PACK 2mm HM
Z-PACK/C RAF 55P
- 5188224-1
TE INTERNAL NUMBER: 5188224-1

✔ Active

Always EU RoHS/ELV Compliant

Data Rate **≤1 Gb/s**

Number of Rows **5**

Number of Positions **55**

PCB Mounting Orientation **Right Angle**

Housing Color **Gray**

RELATIONSHIP
Mating Products
Used to identify Mating Parts

See All Mating Products

PRODUCT - MATING PRODUCTS

Connectors - Hard Metric Connectors
Z-PACK | Z-PACK 2mm HM
Z-PACK/A RAF 110P
- 5352344-1
TE INTERNAL NUMBER: 5352344-1

✔ Active

Always EU RoHS/ELV Compliant

Data Rate **≤1 Gb/s**

Number of Rows **5**

Centerline **2 mm**

Number of Positions **110**

PCB Mounting Orientation **Right Angle**