



# HARD METRIC BACKPLANE CONNECTORS



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

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

Z-PACK | Z-PACK 2mm HM

646445-1

TE Internal Number: 646445-1

Alias ID: 2-42939-4846

Not EU RoHS or ELV Compliant

[Find Compliant Alternatives](#)

Data Rate (Gb/s) **≤1**

Number of Columns **25**

Number of Rows **8**

Centerline (mm) **2**

Number of Positions **200**

### Product Drawings

[RECEPTACLE ASSEMBLY, 200 POSITION, TYPE E, 8 ROW, W/TWISTED TULIP CONTACTS, Z-PACK 2mm HM](#)

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### CAD Files

[Customer View Model](#)

2D\_DXF.ZIP  
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### Product Specifications

Product Specification

[Connector, Z-PACK, 8 Row, 2mm HM](#)

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Application Specification

[Z-PACK 2mm HM Interconnection System For Board-To-Board Connections](#)

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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

**Right Angle**

Shielded

**No**

Connector Style

**Receptacle**

	Make First / Break Last	<b>No</b>
	Connector Type	<b>Connector Assembly</b>
	Applies To	<b>Printed Circuit Board</b>
Configuration Features	Number of Columns	<b>25</b>
	Number of Rows	<b>8</b>
	Number of Positions	<b>200</b>
	Rows Loaded	<b>A, B, C, D, E, F, G, H</b>
Signal Characteristics	Data Rate (Gb/s)	<b>≤1</b>
Contact Features	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Mating Area Plating Thickness (μm)	<b>.76</b>
	Contact Style	<b>Short Tail</b>
	Feedthrough Post Length (mm)	<b>3.3</b>
	Contact Base Material	<b>Phosphor Bronze</b>
	Contact Configuration	<b>ACTION PIN, Signal</b>
	Grounding Contact	<b>Without</b>
	Contact Type	<b>Socket</b>
Termination Features	Termination End Plating Material	<b>Tin-Lead over Nickel</b>
	Interface Type	<b>2mm HM</b>
Mechanical Attachment	Mating Alignment Type	<b>Multi-Purpose Center</b>
Housing Features	Centerline (mm)	<b>2</b>
	Housing Color	<b>Gray</b>
	Housing Material	<b>Polyester - GF</b>
Dimensions	Module Length (mm)	<b>48</b>
Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
	AdvancedTCA Specified Product	<b>No</b>
Packaging Features	Packaging Method	<b>Tube</b>
	Packaging Quantity	<b>10</b>

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Relation Type

RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

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PRODUCT - MATING PRODUCTS



Connectors - Hard Metric Connectors  
Z-PACK | Z-PACK 2mm HM  
**2MM HM, ASY, T-E, HDR,  
08R, 200, AP - 646347-1**  
TE INTERNAL NUMBER: 646347-1  
ALIAS ID: 2-42939-4847

Active

Not EU RoHS or ELV Compliant

Data Rate  $\leq$ 1 Gb/s

Number of Columns 25

Number of Rows 8

Centerline 2 mm

Number of Positions 200

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