

HIGH SPEED CONNECTORS







PRODUCT DRAWING



3D PDF

TE CONNECTIVITY (TE)

Tin Man Recept Assy 5 Pair 16 Column

Z-PACK | TinMan

1934221-1

TE Internal Number: 1934221-1

Always EU RoHS/ELV Compliant

Number of Positions 240

Row-to-Row Spacing 1.4 mm [.055 in]

Contact Current Rating (A) .5

Mating Alignment With

Mating Alignment Type Guide Slot

Product Drawings

RECEPTACLE ASSEMBLY, 5 PAIR, 16 COLUMN

PDF **English**

CAD Files

Customer View Model

2D_DXF.ZIP English

3D PDF

PDF **3D**

Customer View Model

3D_IGS.ZIP **English**

Customer View Model

3D STP.ZIP English

Catalog Pages/Data Sheets

High Speed Backplane Connectors Catalog - Z-PACK TinMan High Speed, High

Density Backplane Connector

PDF **English**

Solutions For AdvancedTCA, AdvancedTCA 300, MicroTCA, And AdvancedMC

Standards Datasheet 3-1773445-8

PDF English

Z-PACK TinMan High Speed High Density Backplane Connector Catalog 5-

1773447-9

PDF **English**

Product Specifications

Product Specification Z-PACK TinMan Connector System

English

Z-PACK TinMan Connector System

PDF **English**

Application Specification

Product Environmental Compliance

TE Material Declaration

MD_1934221-1_10212014716_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	Row-to-Row Spacing	1.4 mm [.055 in]
	Connector System	Board-to-Board
	Connector Style	Receptacle
	Board-to-Board Configuration	Co-Planar, Right Angle
	PCB Mounting Orientation	Right Angle
	Shrouded	No
	Product Type	Connector
	Applies To	Printed Circuit Board
	Connector Type	Connector Assembly
	Sealed	No
Configuration Footures	Number of Positions	240
Configuration Features	Number of Rows	15
	Number of Columns	16
	Number of Pairs	80
	Number of Signal Positions	160
	Pairs per Column	5
	Stackable	No
Electrical Characteristics	Operating Voltage (VAC)	250
	UL Voltage Rating (VAC)	250
Signal Characteristics	Differential Impedance (Ω)	100
	Differential Pairs per Column	5
	Differential Signaling	Yes
	Data Rate (Gb/s)	10
Body Features	Shield Material	Phosphor Bronze
Contact Features	Contact Current Pating (A)	E

	Contact Base Material	Phosphor Bronze
	Contact Termination Area Plating Thickness	.5 μm [20 μin]
	Contact Design	Dual Beam
	Contact Mating Area Plating Material	Gold
	Contact Type	Socket
	Contact Termination Area Plating Material Finish	Matte
	Contact Termination Area Plating Material	Tin
	Contact Transmits (Typical)	Signal (Data)
Termination Features	Termination Method to PC Board	Through Hole - Press-Fit
Mechanical Attachment	Mating Alignment	With
	Mating Alignment Type	Guide Slot
	PCB Mount Retention Type	Action/Compliant Tail
	PCB Mount Alignment	Without
	PCB Mount Retention	With
	Guide Hardware	Without
	Mating Retention	Without
Housing Features	Centerline	1.9 mm [.075 in]
	Housing Color	Black
	End Wall Location	None
	Housing Material	LCP (Liquid Crystal Polymer)
Dimensions	PCB Thickness (Recommended)	1.57 mm [.062 in]
	PCB Hole Diameter (mm)	.47
	Height (mm)	24.4
	Length (mm)	30.55
	Width (mm)	31.81
	Tail Length	2.2 mm [.087 in]
Usage Conditions	Operating Temperature Range	-65 – 90 °C [-85 – 194 °F]
Operation/Application	For Use With	Header Assembly

Contact Style

Press-Fit

Industry Standards

Agency/Standard

UL Rating

Recognized

UL File Number

E28476

UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Method

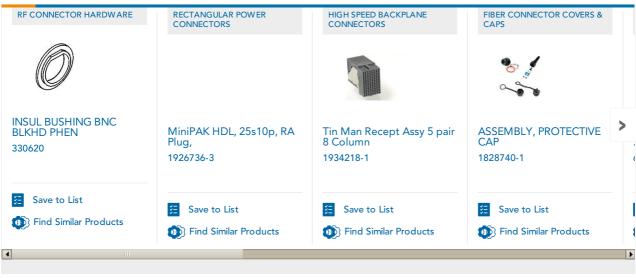
Tube, Tube/Box

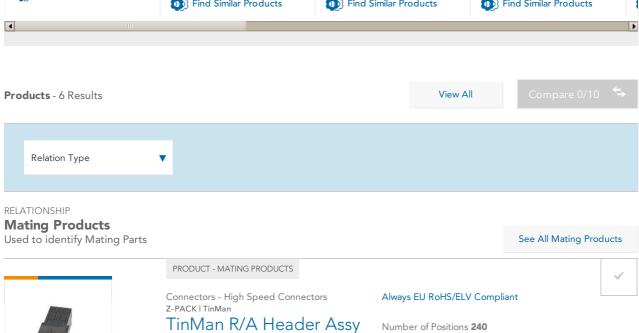
Product Compliance

PDF

VIEW ALL PRODUCT COMPLIANCE

CUSTOMERS ALSO BOUGHT





Row-to-Row Spacing **1.4 mm**Contact Current Rating **.5 A**

Mating Alignment **With**Mating Alignment Type **Guide**

Slot

5x16 Open - 1934347-1 TE INTERNAL NUMBER: 1934347-1

✓ Active

RELATIONSHIP

Mating Products

Used to identify Mating Parts

See All Mating Products



PRODUCT - MATING PRODUCTS

Connectors - High Speed Connectors Z-PACK | TinMan

Tin Man Header Assy 5X16 left - 1934333-1 TE INTERNAL NUMBER: 1934333-1

✓ Active

Always EU RoHS/ELV Compliant

Number of Positions 240

Row-to-Row Spacing 2.5 mm

Contact Current Rating .5 A

Mating Alignment With

Mating Alignment Type **Guide Slot**

RELATIONSHIP

Mating Products

Used to identify Mating Parts

See All Mating Products



PRODUCT - MATING PRODUCTS

Connectors - High Speed Connectors Z-PACK | TinMan

Tin man Header Assy 5x16 Open - 1934331-1 TE INTERNAL NUMBER: 1934331-1

✓ Active

Always EU RoHS/ELV Compliant

Number of Positions 240

Row-to-Row Spacing **2.5 mm**

Contact Current Rating .5 A

Mating Alignment With

Mating Alignment Type **Guide Slot**

