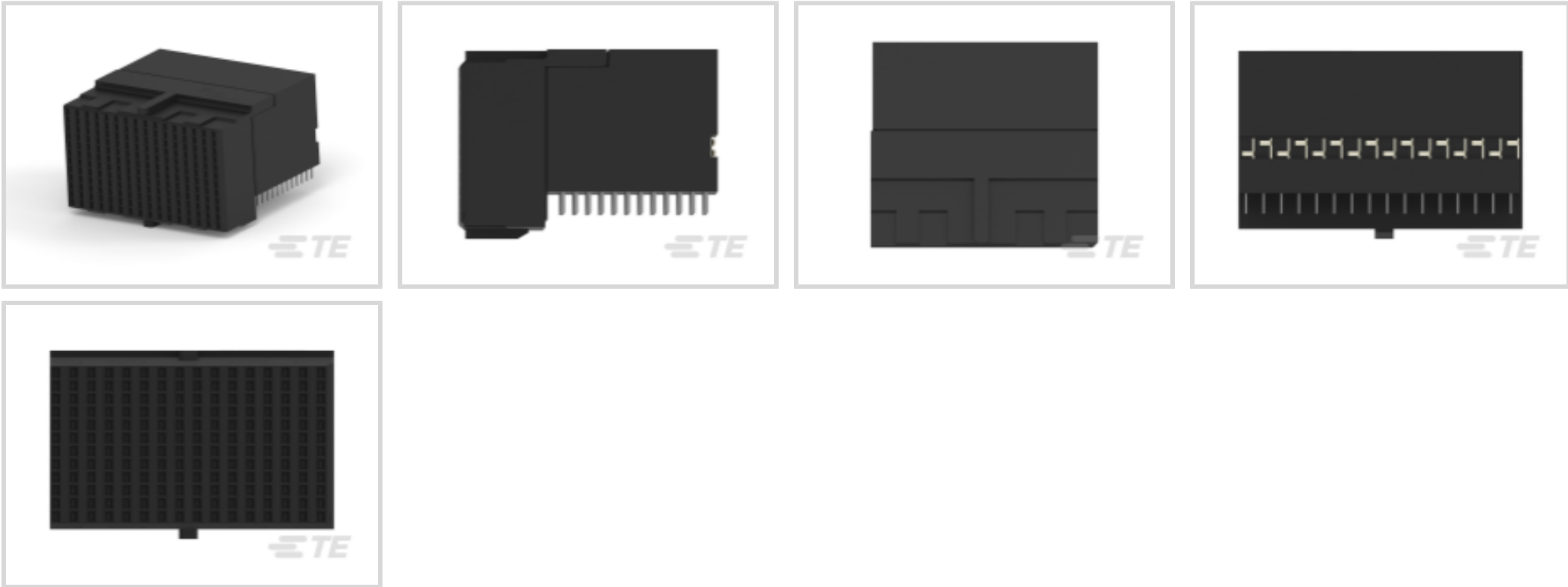




Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



EU RoHS Compliance: **Compliant**
EU ELV Compliance: **Compliant**
Number of Positions: **192**
Row-to-Row Spacing: **1.4 mm [.055 in]**
Mating Alignment: **With**

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Type Features

Signal Arrangement	Differential
Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board
PCB Connector Assembly Type	PCB Mount Receptacle
Shroud Style	Unshrouded

Configuration Features

Number of Pairs	64
Number of Signal Positions	128
Backplane Architecture	Traditional Backplane
Stackable	No
Pairs per Column	4



Number of Positions	192
Number of Rows	12
Number of Columns	16
PCB Mount Orientation	Right Angle

Electrical Characteristics

Operating Voltage	250 VAC
Impedance	100 Ω

Signal Characteristics

Data Rate	10 Gb/s
Differential Impedance	100 Ω
Number of Differential Pairs per Column	4

Body Features

Shield Material	Phosphor Bronze
Primary Product Color	Black

Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material Thickness	.5 μm[20 μin]
Contact Shape & Form	Dual Beam
Contact Mating Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Type	Receptacle
Contact Current Rating (Max)	.5 A

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	2.2 mm[.087 in]

Mechanical Attachment

Guide Hardware	Without
PCB Mount Retention	With
Mating Retention	Without
PCB Mount Retention Type	Action/Compliant Tail
PCB Mount Alignment	Without



Mating Alignment	With
Mating Alignment Type	Guide Slot
Connector Mounting Type	Board Mount

Housing Features

Number of Shrouded Sides	0
End Wall Location	None
Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	1.9 mm[.075 in]

Dimensions

Connector Width	21.61 mm
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	20.2 mm
PCB Hole Diameter	.47 mm
Connector Length	30.55 mm
Row-to-Row Spacing	1.4 mm[.055 in]

Usage Conditions

Operating Temperature Range	-65 – 90 °C[-85 – 194 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

Compatible With Agency/Standards Products	UL
UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	UL E28476

Packaging Features

Packaging Method	Tube, Box & Tube
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	



Current ECHA Candidate List: JUNE 2024 (241)
Candidate List Declared Against: JUNE 2024 (241)
Does not contain REACH SVHC

Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

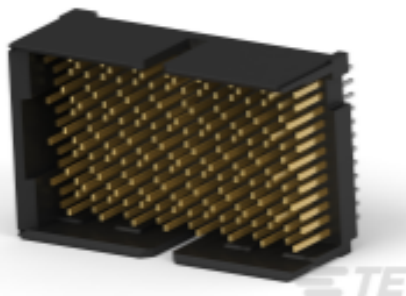
Product Compliance Disclaimer

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 # 1934222-1
Tin Man Recpt Assy 4Pair8Column



TE Part # 1934318-1
Tin Man Header Assy 4x16 Right



TE Part # 1934315-1
TinMan Header Assy 4x16 Open



TE Part # 1934317-1
Tin Man Header Assy 4x16 left



TE Part # 1934351-1
TinMan R/A header Assy 4x16 open

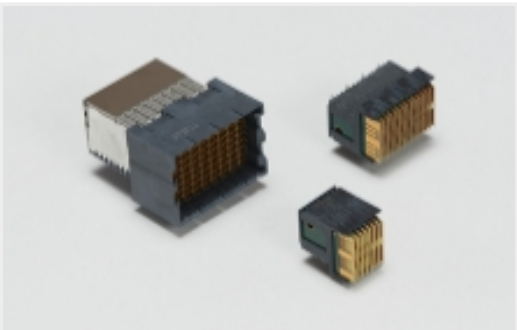


TE Part # 1934316-1
Tin Man Header Assy 4x16 Double



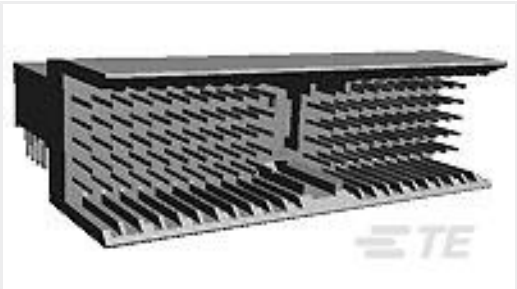
TE Part # 1934352-1
TinMan R/A Header Assy 4x16 Double

Also in the Series | Z-PACK TinMan

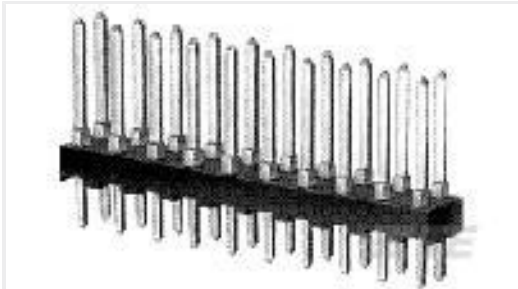


High Speed Backplane Connectors(68)

Customers Also Bought



TE Part #5106014-1
Z-PACK/B RAMH.125P.



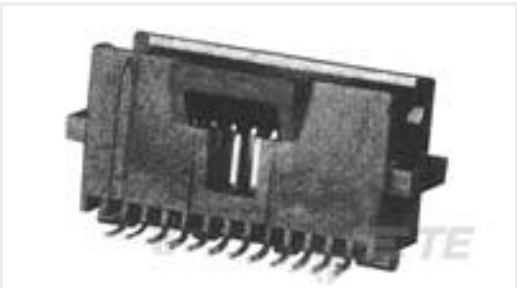
TE Part #87215-2
10 MODII HDR DRST UNSHRD .100



TE Part #6-1437719-6
T01-0570-S03-FEMALE REC PANEL-PCB STRT



TE Part #3-1415390-1
PE014F12



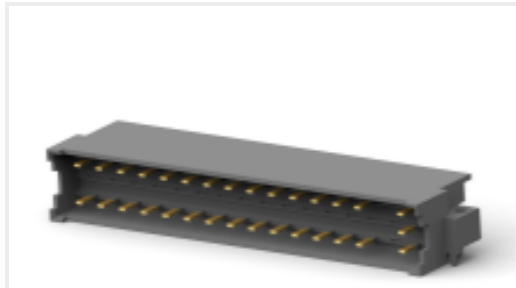
TE Part #5-147377-2
20 SYS50 SMT HDR DR SHD SN



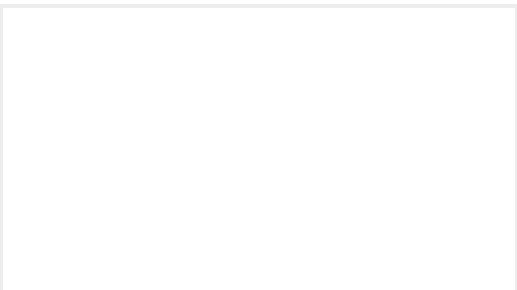
TE Part #2000896-2
Fortis Zd 10 Col Vert Center Mod Assy



TE Part #1006942-F
LDES500BE3S; PRES; 500Pa;0,3...2,7V; 3Vs



TE Part #188753-4
31P.IEC-F MALE CONN



TE Part #2149266-4
Light Pipe, SFP+, Std Length

Documents

Product Drawings

Tin Man Recept Assy 4 Pair 16 Column

English

CAD Files

Customer View Model

ENG_CVM_CVM_1934225-1_B.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_1934225-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1934225-1_B.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[High Speed Backplane Connectors catalog - Z-PACK TinMan High Speed, High Density Backplane Connector](#)

English

[Solutions for AdvancedTCA, AdvancedTCA 300, MicroTCA, and AdvancedMC Standards Datasheet 3-1773445-8](#)

English

[Z-PACK TinMan High Speed High Density Backplane Connector Catalog 5-1773447-9](#)

English

Product Specifications

[Application Specification](#)

English