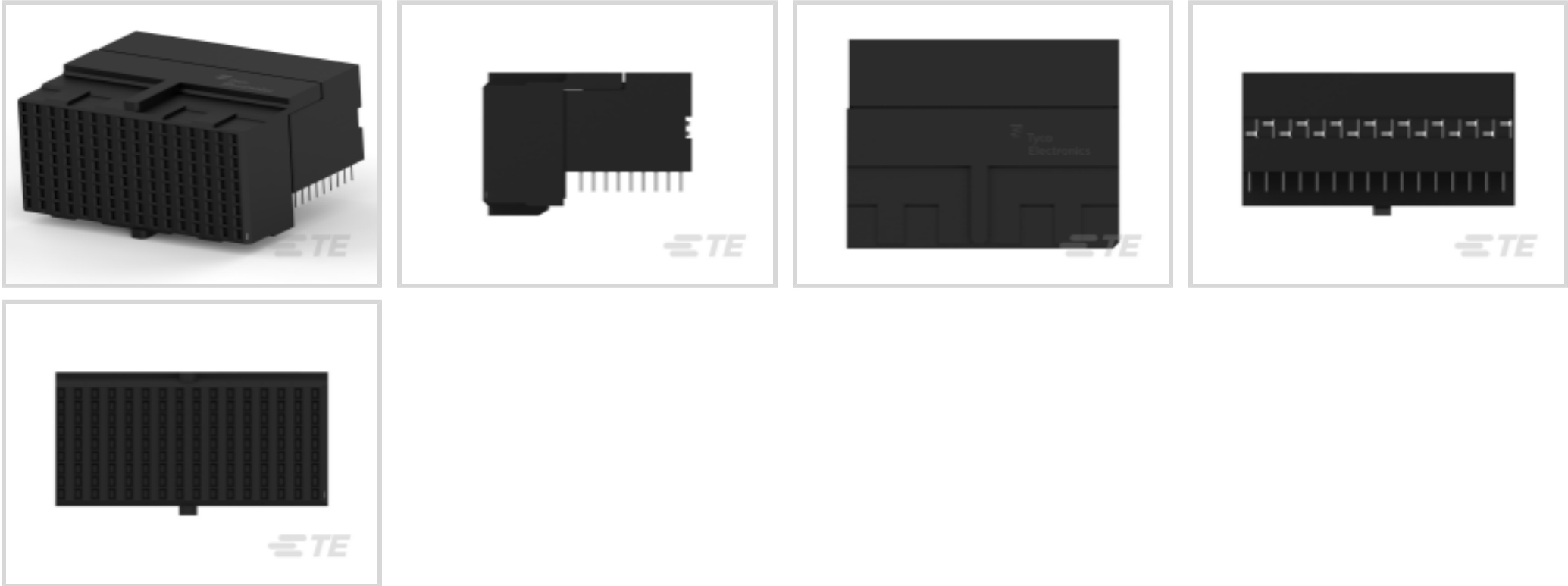




Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



Number of Positions: 144
Row-to-Row Spacing: 1.4 mm [.055 in]
Mating Alignment: With
Mating Alignment Type: Guide Slot
Number of Rows: 9

Features

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	3

Industry Standards

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

Termination Features

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

Body Features



Shield Material	Phosphor Bronze
Primary Product Color	Black

Packaging Features

Packaging Method	Tube, Box & Tube
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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

Housing Features

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

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

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
Dimensions	
Connector Width	23.41 mm
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	16 mm
PCB Hole Diameter	.47 mm
Connector Length	30.55 mm
Row-to-Row Spacing	1.4 mm[.055 in]
Configuration Features	
Number of Pairs	48
Number of Signal Positions	96
Backplane Architecture	Traditional Backplane
Stackable	No
Pairs per Column	3
Number of Positions	144
Number of Rows	9
Number of Columns	16
PCB Mount Orientation	Right Angle
Usage Conditions	
Operating Temperature Range	-65 – 90 °C[-85 – 194 °F]
Operation/Application	
Circuit Application	Signal
Other	
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant
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)



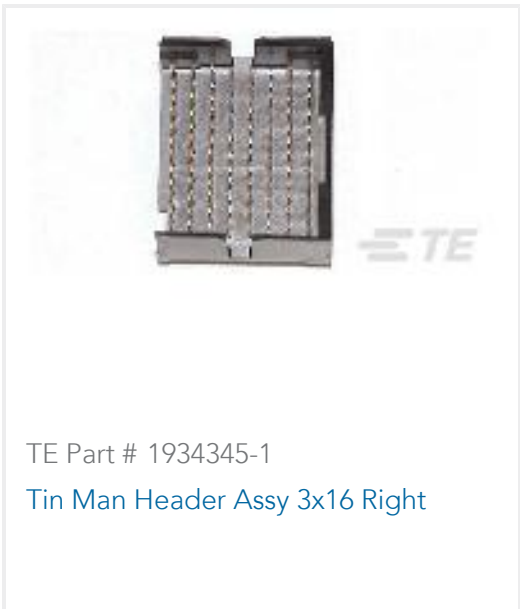
Candidate List Declared Against: JUNE 2024 (241)
Does not contain REACH SVHC

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



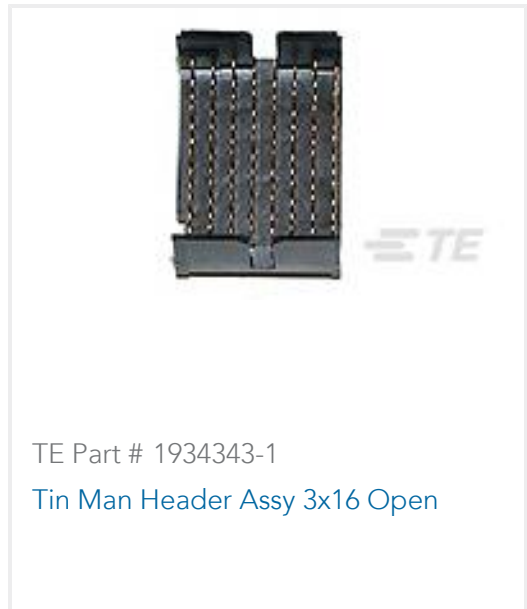
TE Part # 1934345-1
Tin Man Header Assy 3x16 Right



TE Part # 1934340-1
Tin Man Assy 3x10Left



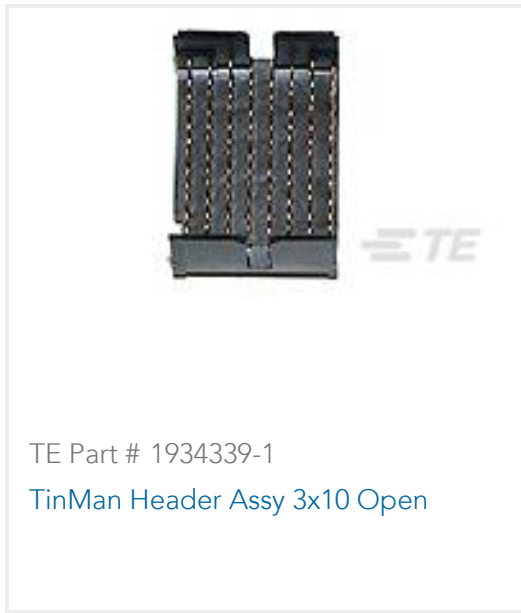
TE Part # 1934356-1
TinMan R/A Header Assy 3x16 do



TE Part # 1934343-1
Tin Man Header Assy 3x16 Open



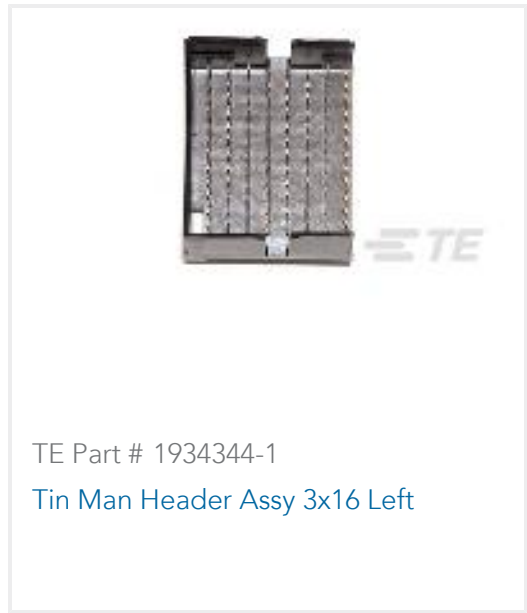
TE Part # 1934355-1
TinMan R/A Header Assy 3x16 Open



TE Part # 1934339-1
TinMan Header Assy 3x10 Open

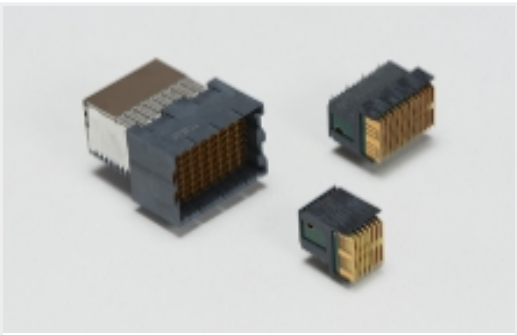


TE Part # 1934346-1
Tin Man Header Assy 3x16 Double



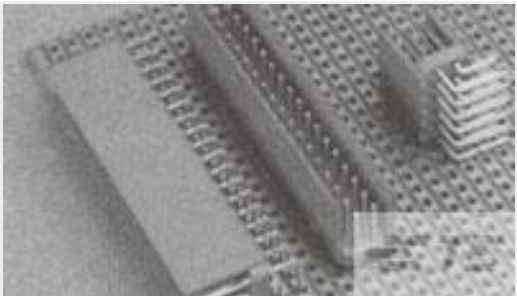
TE Part # 1934344-1
Tin Man Header Assy 3x16 Left

Also in the Series | Z-PACK TinMan



High Speed Backplane Connectors(68)

Customers Also Bought



TE Part #281739-3
HEADER HE14 STRAIGHT 2X3 P



TE Part #1367073-1
20 POS SMT CONN, SFP, 15AU



TE Part #1735446-6
2MM PITCH HPI POST HEADER, VERTICAL, 6P



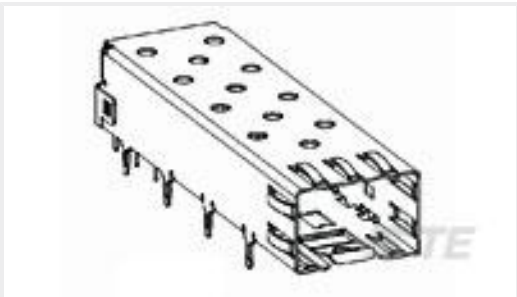
TE Part #2057631-1
CFP Receptacle Cover Assy



TE Part #3-5338556-1
8/8 MOD JACK ASSY SE



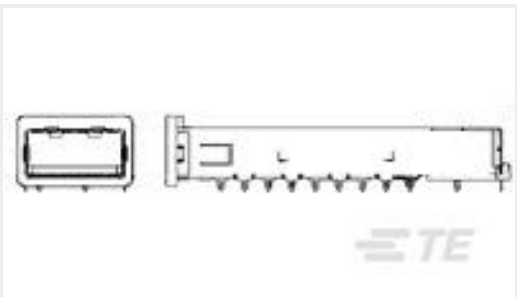
TE Part #1982295-2
ELCON MINI 2P RA HEADER,W/O CODING



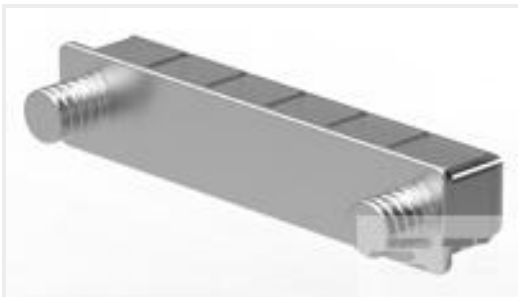
TE Part #2227302-1
CAGE ASSY, PRESS FIT, SFP



TE Part #1934346-1
Tin Man Header Assy 3x16 Double



TE Part #1888101-1
XFP CAGE ASSEMBLY w/o Elastomeric Gasket



TE Part #2149151-1
EMI/Dust Cover, CFP

Documents

Product Drawings

Tin Man Recpt Assy 3 Pair16 Column

English

CAD Files

Customer View Model

ENG_CVM_CVM_1934229-1_B.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_1934229-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1934229-1_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