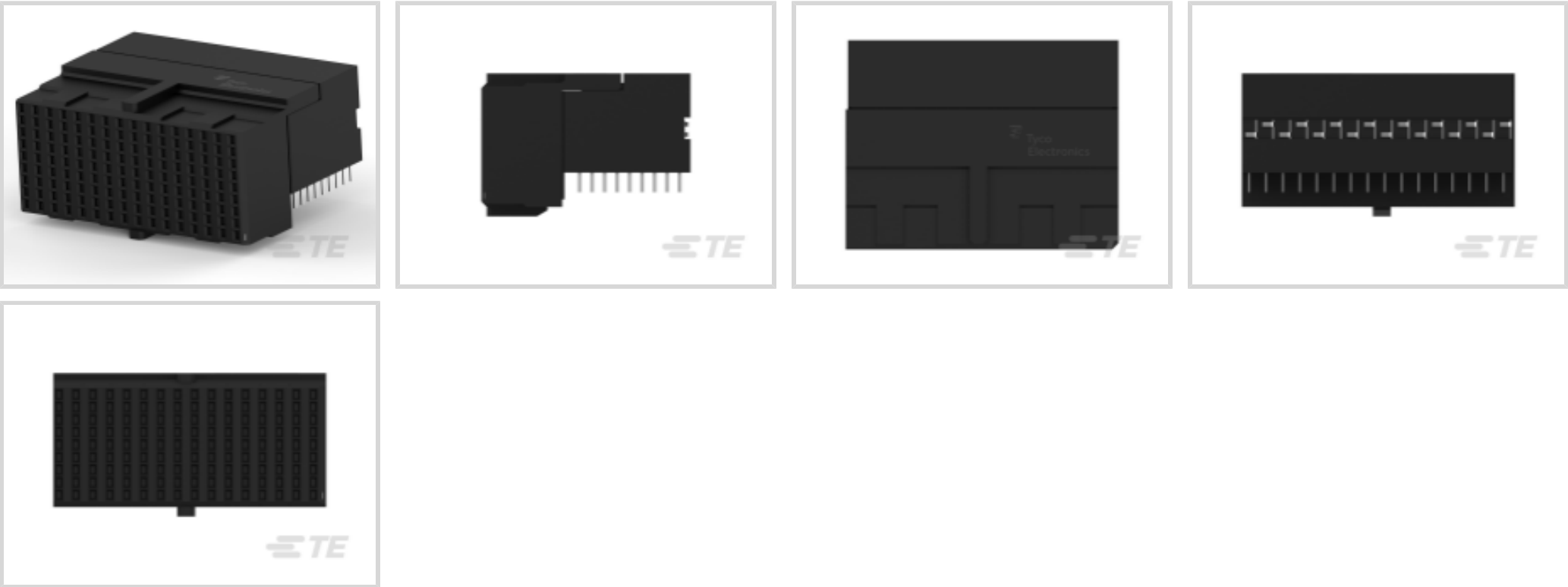




Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



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

Product Type Features

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

Configuration Features

Pairs per Column	3
Number of Pairs	48
Stackable	No
Number of Signal Positions	96
Backplane Architecture	Traditional Backplane
Number of Positions	144
Number of Rows	9
Number of Columns	16



PCB Mount Orientation	Right Angle
Electrical Characteristics	
Impedance	100 Ω
Operating Voltage	250 VAC
Signal Characteristics	
Differential Impedance	100 Ω
Number of Differential Pairs per Column	3
Data Rate	10 Gb/s
Body Features	
Shield Material	Phosphor Bronze
Primary Product Color	Black
Contact Features	
PCB Contact Termination Area Plating Material Thickness	.5 μm[20 μin]
Contact Type	Receptacle
Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Dual Beam
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	.5 A
Termination Features	
Termination Post & Tail Length	2.2 mm[.087 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit
Mechanical Attachment	
Guide Hardware	Without
Mating Retention	Without
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail
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 Length	30.55 mm
Connector Height	16 mm
Connector Width	23.41 mm
PCB Thickness (Recommended)	1.57 mm[.062 in]
PCB Hole Diameter	.47 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
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Box & Tube, 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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

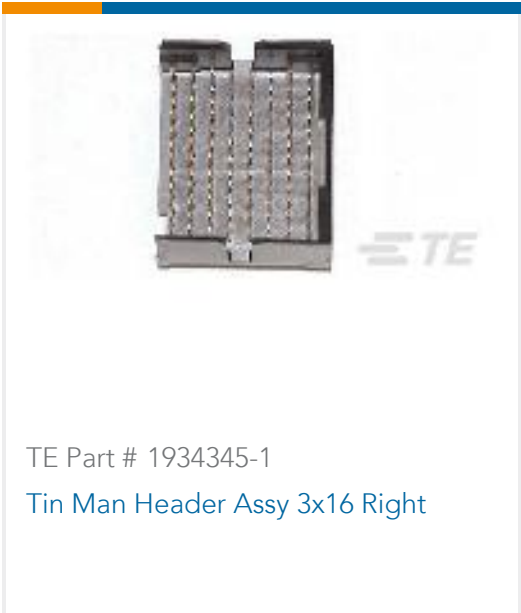
Product Compliance Disclaimer

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>

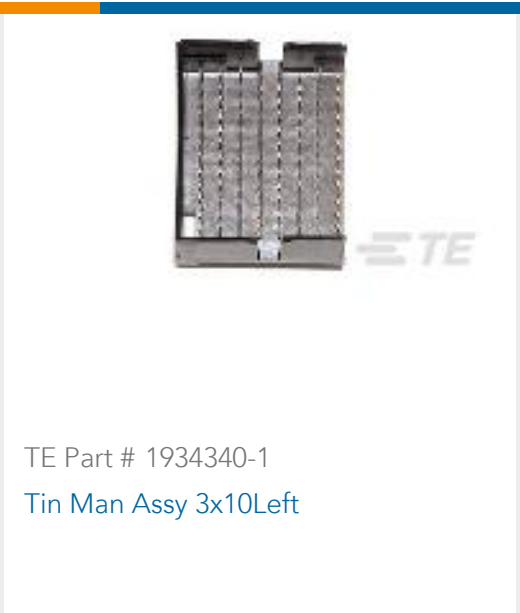
Compatible Parts



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



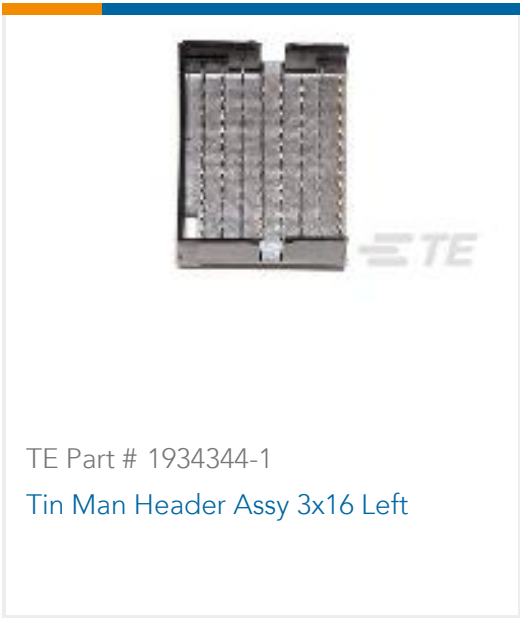
TE Part # 1934345-1
Tin Man Header Assy 3x16 Right



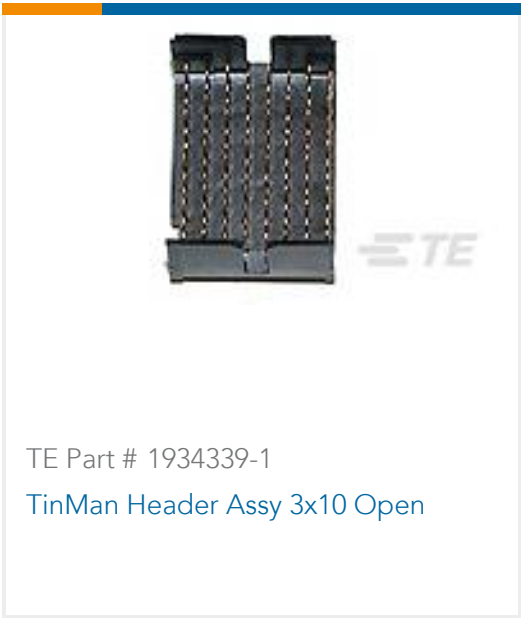
TE Part # 1934340-1
Tin Man Assy 3x10Left



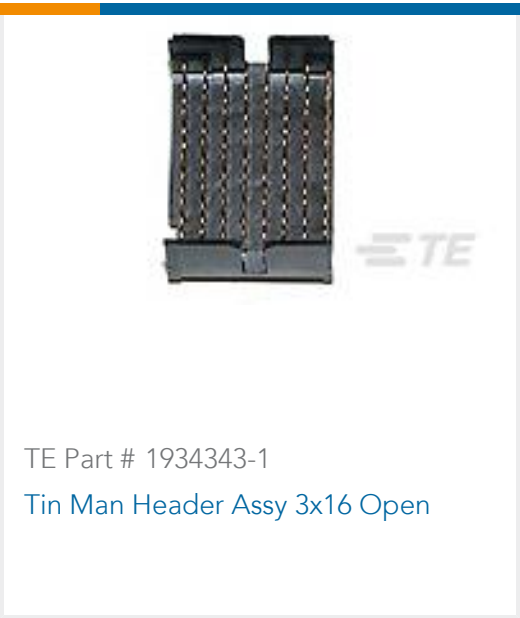
TE Part # 1934356-1
TinMan R/A Header Assy 3x16 do



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



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

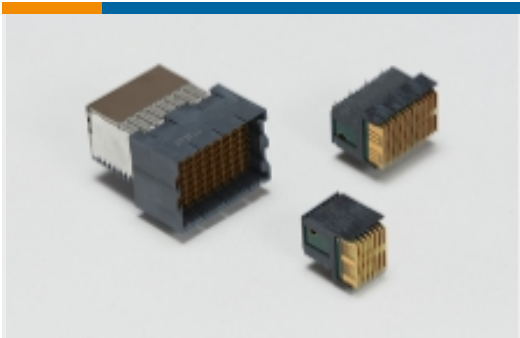


TE Part # 1934343-1
Tin Man Header Assy 3x16 Open



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

Also in the Series | Z-PACK TinMan



High Speed Backplane Connectors(65)

Customers Also Bought





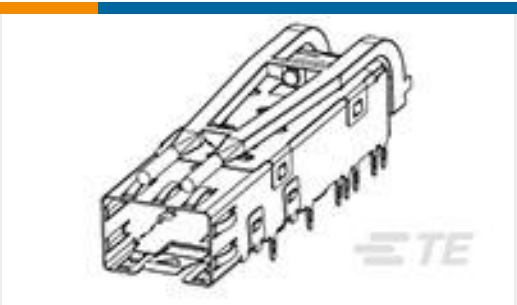
TE Part #1735446-6
2MM PITCH HPI POST HEADER,
VERTICAL, 6P



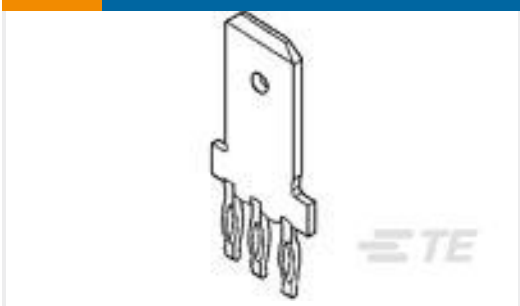
TE Part #5177986-6
0.8FH,P05H.5,140,08/Sn,TR,SC



TE Part #1761008-3
SFP 1X4 CAGE & LIGHT PIPE KIT



TE Part #2170614-1
cage assy, 20 press fit, sfp w



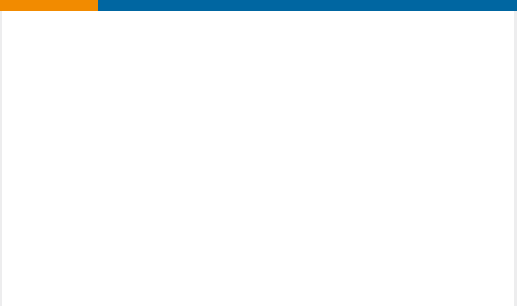
TE Part #216843-1
250 FASTON,TAB,PCB,TPPB



TE Part #2057760-2
IMP100S,H,V3P8C,UG,OEW46,4.9



TE Part #2227671-2
zQSFP+ STACKED RECEPTACLE
ASSEMBLY 2X3



TE Part #2100870-1
C/A, SFP+, 1M 30AWG, JUNIPER



TE Part #5-2227790-1
IMP100,S,H,V3P8C,LG,OEW46,SL

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