1982738-1 ✔ ACTIVE

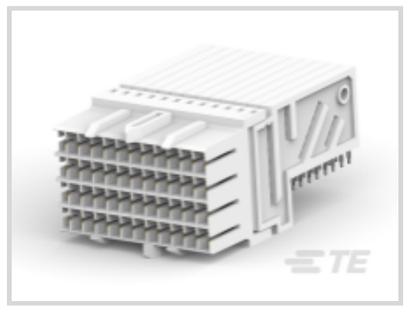
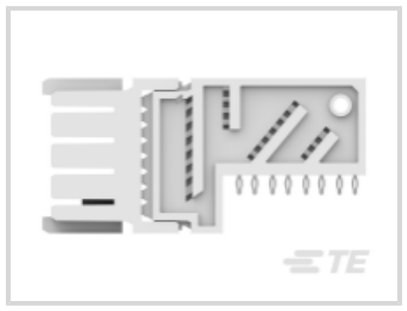
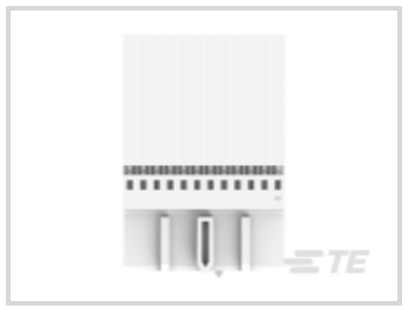
Z-PACK | Z-PACK Slim UHD

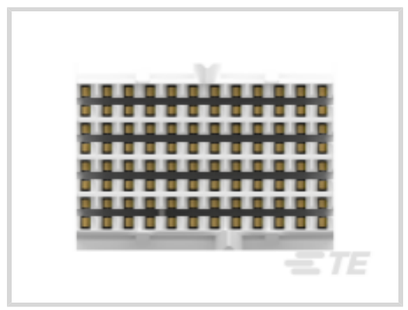
TE Internal #: 1982738-1

192 Position, Mating Alignment, Polarization Mating Alignment Type, 8 Row, 12 Column, Z-PACK Slim UHD, High Speed Backplane Connectors

View on TE.com >

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: **1.25 mm [.05 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
Backplane Module Type	Center
PCB Connector Assembly Type	PCB Mount Receptacle
Shroud Style	Unshrouded

Configuration Features

Number of Pairs	96
Number of Signal Positions	192
Stackable	Yes
Pairs per Column	8

Number of Positions	192
Number of Rows	8
Number of Columns	12
PCB Mount Orientation	Right Angle

Electrical Characteristics

Operating Voltage	30 VAC
Impedance	30 Ω

Signal Characteristics

Data Rate	3.5 Gb/s
Number of Differential Pairs per Column	2

Body Features

Shield Material	Copper Alloy
Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material Thickness	.5 – 2.5 µm[20 – 100 µin]
Contact Shape & Form	Dual Beam
Contact Base Material	Copper Alloy
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	1.6 mm[.681 in]

Mechanical Attachment

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

Mating Alignment Type	Polarization

Housing Features

Number of Shrouded Sides	0
End Wall Location	None
Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	1.45 mm[.057 in]

Dimensions

PCB Thickness (Recommended)	1.2 mm
Connector Width	17.3 mm[.681 in]
PCB Hole Diameter	.4 mm[.016 in]
Connector Height	12.51 mm[.493 in]
Connector Length	24.5 mm[.965 in]
Row-to-Row Spacing	1.25 mm[.05 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Durability Rating	200 Cycles
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Tray

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

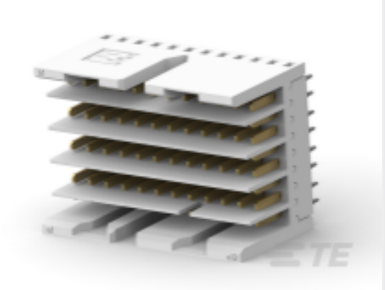
Product Compliance Disclaimer

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 # 2042162-1
Right Angle Male Connector



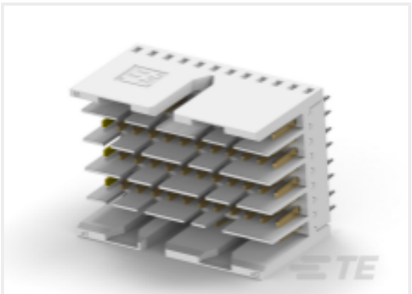
TE Part # 2042088-1
Vert.Male, Telcordia L2



TE Part # 1551012-1
Vert.Male, Telcordia L3



TE Part # 1551099-1
Vert.Male, Telcordia Pre-post 1x



TE Part # 2170890-1
SLIM UHD, VERTICAL MALE

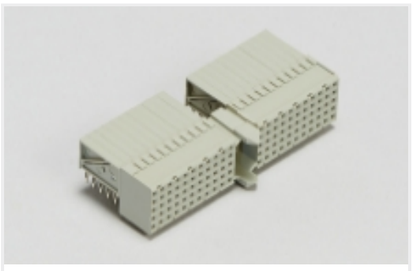


TE Part # 2042139-1
RA Male Connector, Telcordia L3

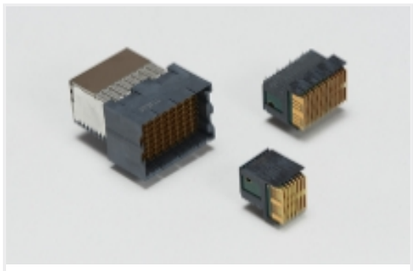


TE Part # 1551013-1
Vert.Male, Telcordia post a1

Also in the Series | Z-PACK Slim UHD



Hard Metric Backplane Connectors(2)

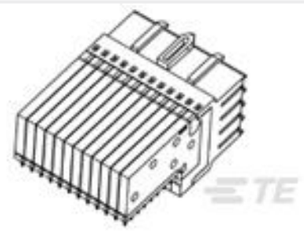


High Speed Backplane Connectors(12)

Customers Also Bought



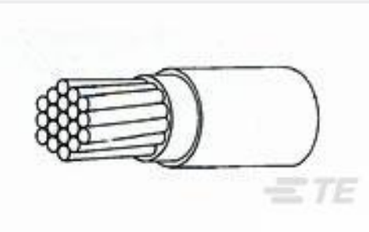
TE Part #3-1879208-7
CPF 0402 330R 0.1% 25PPM 1K RL



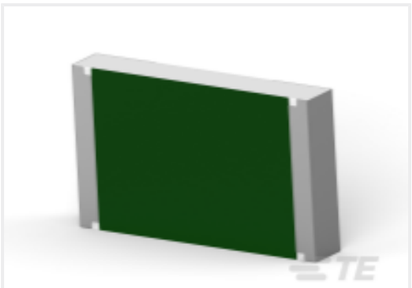
TE Part #1857657-1
Female Connector



TE Part #6-1879061-6
CPF 0402 4K7 0.1% 25PPM 5K RL



TE Part #285752-009
44A0111-26-2-US



TE Part #8-2176401-8
3540 27R 5%



TE Part #5-2176337-0
CRGCQ 0402 120K 1%



TE Part #4-2176337-8
CRGCQ 0402 82K 1%



TE Part #3-2176337-6
CRGCQ 0402 8K2 1%



TE Part #1551012-1
Vert.Male, Telcordia L3



TE Part #1551099-1
Vert.Male, Telcordia Pre-post 1x

Documents

Product Drawings

Female Connector Telcordia

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1982738-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1982738-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1982738-1_A.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 Slim UHD Connector

English

Z-Pack Slim UHD Connector Platform

English

Product Specifications

Application Specification

English

Instruction Sheets

Customer Manual (non U.S.)

German

Agency Approvals

UL Report

English