

2042088-1 ✓ ACTIVE

Z-PACK | Z-PACK Slim UHD

TE Internal #: 2042088-1

192 Position High Speed Backplane Connector, 8 Row, 12 Column,

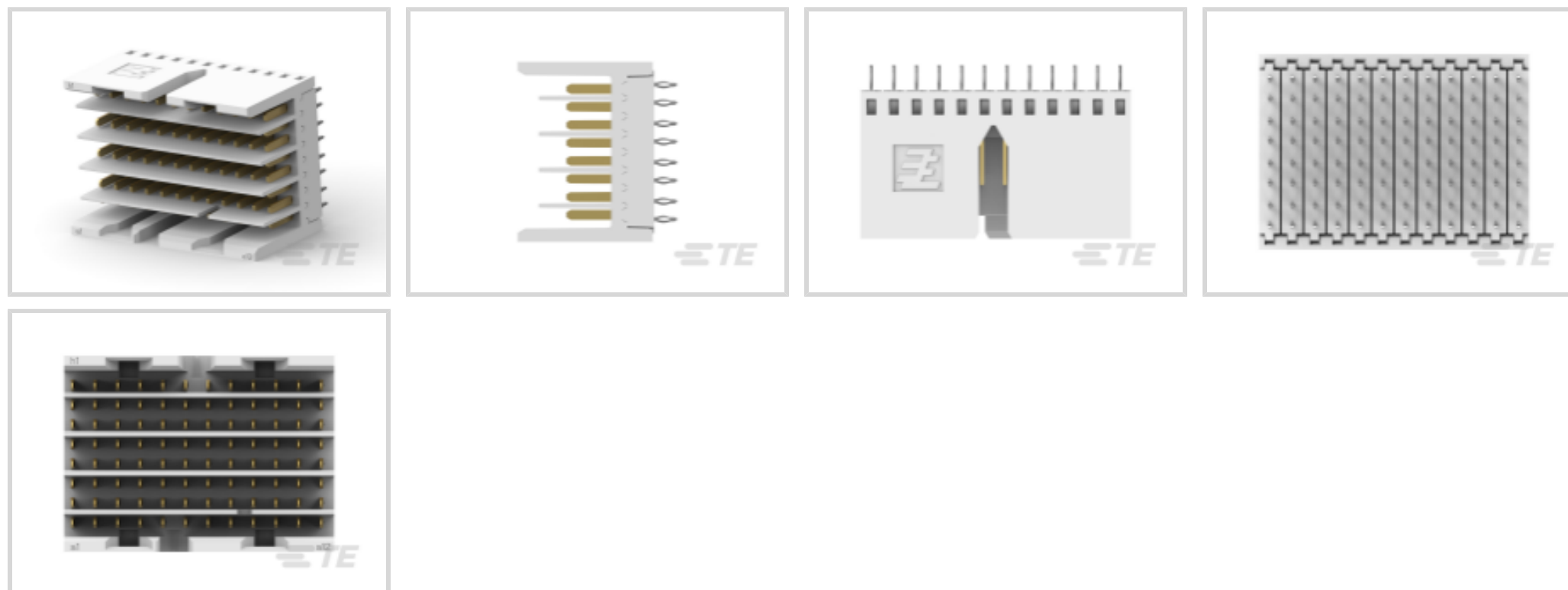
PCB Mount Header, Vertical, Unshrouded, 1.45 mm [.057 in]

Centerline, Z-PACK Slim UHD

[View on TE.com >](#)



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



Number of Positions: 192

Row-to-Row Spacing: 1.25 mm [.05 in]

Mating Alignment: With

Mating Alignment Type: Polarization

Number of Rows: 8

Features

Electrical Characteristics

Operating Voltage 50 VDC

Impedance 30 Ω

Industry Standards

UL Flammability Rating UL 94V-0

Termination Features

Termination Method to PCB Through Hole - Press-Fit

Termination Post & Tail Length 1.6 mm [.493 in]

Body Features

Shield Material Copper Alloy

Primary Product Color Natural

Packaging Features

Packaging Method Tray

Operation/Application



Durability Rating	200 Cycles
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Circuit Application	Signal
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Contact Features

Contact Underplating Material	Nickel
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Contact Shape & Form	Dual Beam
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PCB Contact Termination Area Plating Material Thickness	.5 – 2.5 μm [20 – 100 μin]
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Contact Mating Area Plating Material	Gold
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Contact Mating Area Length	3.1 mm[.122 in]
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Contact Base Material	Copper Alloy
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PCB Contact Termination Area Plating Material	Tin
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Contact Type	Pin
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Contact Current Rating (Max)	.5 A
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Housing Features

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

Connector & Contact Terminates To	Printed Circuit Board
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Connector System	Board-to-Board
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Backplane Module Type	Center
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PCB Connector Assembly Type	PCB Mount Header
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Shroud Style	Unshrouded
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Mechanical Attachment

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



PCB Thickness (Recommended)	1.2 mm
Connector Width	12.51 mm[.493 in]
PCB Hole Diameter	.4 mm[.016 in]
Connector Height	9.5 mm[.374 in]
Connector Length	17.3 mm[.681 in]
Row-to-Row Spacing	1.25 mm[.05 in]

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	Vertical

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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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 # 1551099-1
Vert.Male, Telcordia Pre-post 1x



TE Part # 1982738-1
Female Connector Telcordia



TE Part # 1857657-1
Female Connector



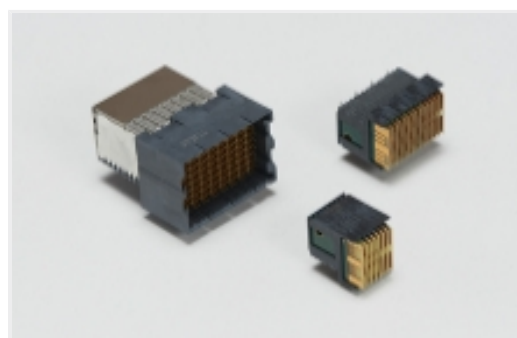
TE Part # 1551012-1
Vert.Male, Telcordia L3

TE Part # 528508-2
REMOVAL TOOL Z-PACK MALE SLIM UHD

Also in the Series | Z-PACK Slim UHD

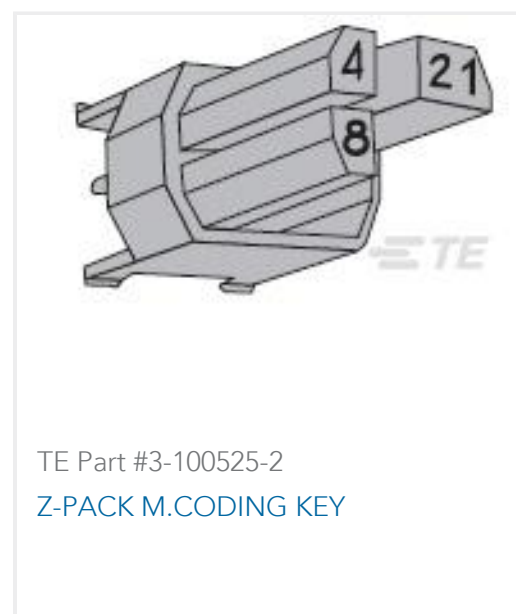
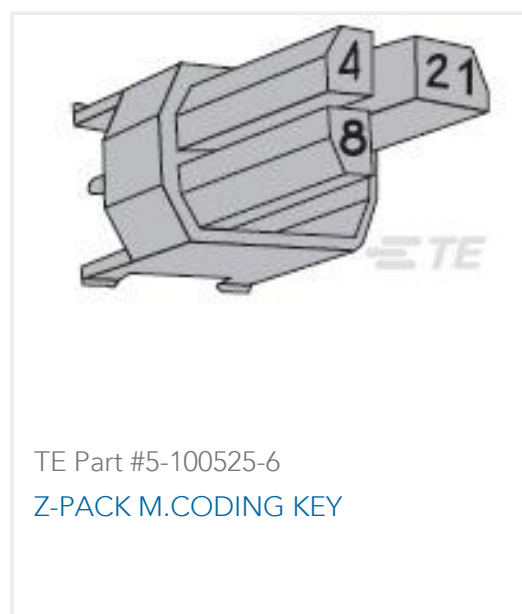


Hard Metric Backplane Connectors(2)



High Speed Backplane Connectors(12)

Customers Also Bought



Documents

Product Drawings

[Vert.Male, Telcordia L2](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2042088-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2042088-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2042088-1_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

Customer Manual (non U.S.)

German

Agency Approvals

UL Report

English