

2042088-2 ✓ ACTIVE

Z-PACK | Z-PACK Slim UHD

TE Internal #: 2042088-2

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

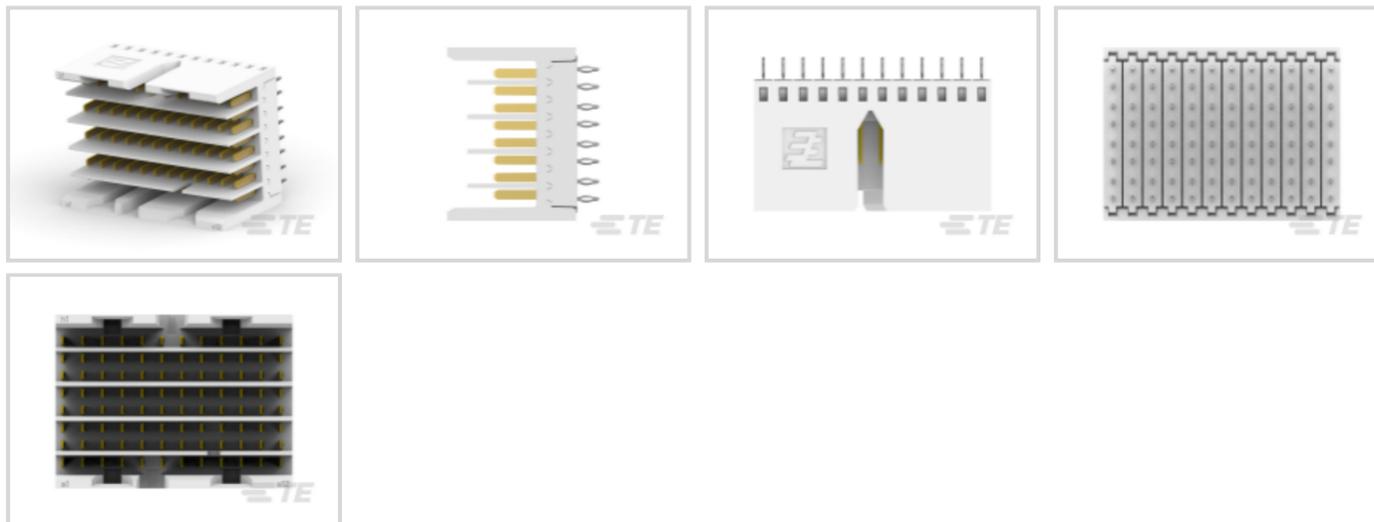
PCB Mount Header, Vertical, Unshrouded, 1.45 mm [.057 in]

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

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board
Backplane Module Type	Center
PCB Connector Type	PCB Mount Header
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	Vertical



Electrical Characteristics

Operating Voltage	30 VAC
Impedance	30 Ω

Body Features

Shield Material	Copper Alloy
Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
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	Pin
Contact Current Rating (Max)	.5 A

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	1.6 mm[.493 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	Liquid Crystal Polymer (LCP)
Centerline (Pitch)	1.45 mm[.057 in]

Dimensions

PCB Thickness (Recommended)	1.2 mm
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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]

Usage Conditions

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

Durability Rating	250 Cycles
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tray
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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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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



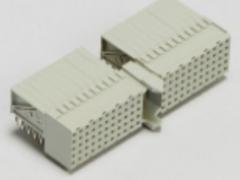
TE Part # 1982738-2
Female Connector IEC



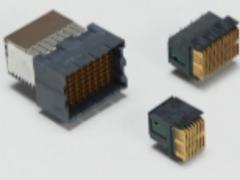
TE Part # 1857657-2
Female Connector

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

Also in the Series | Z-PACK Slim UHD



Hard Metric Backplane Connectors(2)

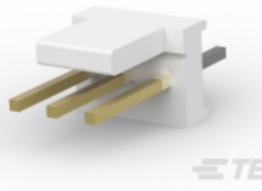


High Speed Backplane Connectors(12)

Customers Also Bought



TE Part #ANT-916-HETH
Antenna 1/4 Wave Coil 868MHz THM



TE Part #CAT-104MTA-PVUMH
PCB Header: Polyester, Vertical, 2.54 mm



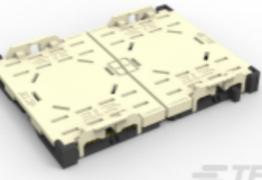
TE Part #1892787-6
Assy Vert MINIPAK HDL Rcpt 25s



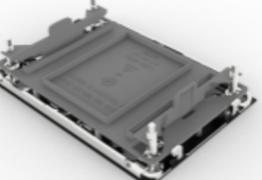
TE Part #2227666-3
ZQSFP+ STACKED, 2X1, THRU BEZEL W SPRING



TE Part #2274001-1
ZSFP+ 1X1 CAGE ASSEMBLY PRESSFIT



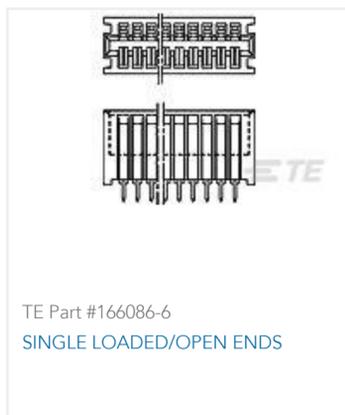
TE Part #1-2324271-3
RIGHT SEGMENT LGA4189-4 SOCKETP4 FOR ODM



TE Part #2-2330550-2
SOCKET P4 BOLSTER PLATE ASSY, W/ COVER



TE Part #5569381-1
STK MJ ASSY,8POS,2X1,SHLD,CAT5



Documents

Product Drawings

[Vert.Male, IEC L2](#)

English

CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

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

English

[Customer View Model](#)

[ENG_CVM_CVM_2042088-2_A.3d_igs.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_2042088-2_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[Z-Pack Slim UHD Connector Platform](#)

English

[High Speed Backplane Connectors catalog - Z-PACK Slim UHD Connector](#)

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