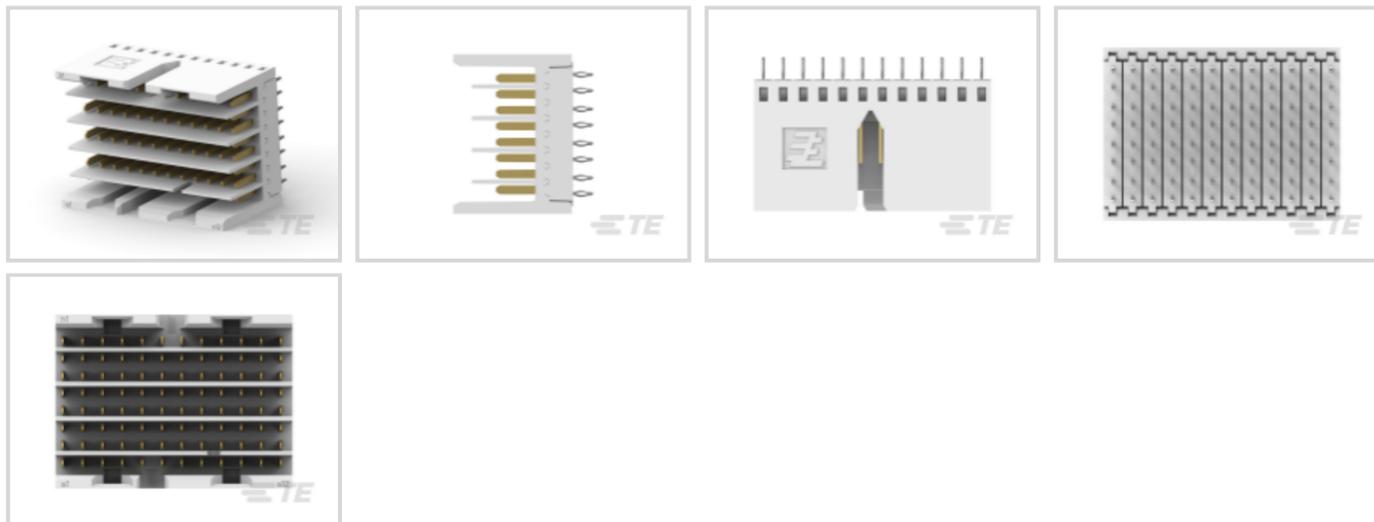# 2042088-1 ✓ ACTIVE

Z-PACK | Z-PACK Slim UHD
TE Internal #: 2042088-1

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

View on TE.com >

Connectors > PCB Connectors > Backplane Connectors > High Speed Connectors

Connector System: **Board-to-Board**

Number of Positions: **192**

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

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Features

Product Type Features

Backplane Module Type	Center
Connector System	Board-to-Board
PCB Connector Assembly Type	PCB Mount Header
Shroud Style	Unshrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Pairs per Column	8
Number of Pairs	96
Stackable	Yes
Number of Signal Positions	192
Number of Positions	192
Number of Rows	8
Number of Columns	12

2042088-1

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

PCB Mount Orientation	Vertical

Electrical Characteristics

Impedance	30 Ω
Operating Voltage	30 VAC

Body Features

Shield Material	Copper Alloy

Contact Features

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

Termination Features

Termination Post & Tail Length	1.6 mm[.493 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Mechanical Attachment

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

Housing Features

Number of Shrouded Sides	0
End Wall Location	None
Housing Material	LCP (Liquid Crystal Polymer)
Housing Color	Natural

2042088-1

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

Centerline (Pitch)	1.45 mm[.057 in]

Dimensions

Connector Length	17.3 mm[.681 in]
Stack Height	1.6 mm
Connector Height	9.5 mm[.374 in]
Connector Width	12.51 mm[.493 in]
PCB Thickness (Recommended)	1.2 mm
PCB Hole Diameter	.4 mm[.016 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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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

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

Compatible Parts

TE Part # 1857657-1
Female Connector

TE Part # 1982738-1
Female Connector Telcordia
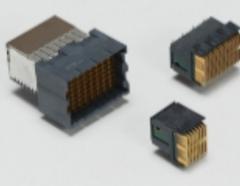

TE Part # 1551012-1
Vert.Male, Telcordia L3

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

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(14)

Documents

Product Drawings
Vert.Male, Telcordia L2

English

CAD Files

2042088-1

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

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

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