

1982738-2

✓ ACTIVE

Z-PACK | Z-PACK Slim UHD

TE Internal #: 1982738-2

192 Position High Speed Backplane Connector, 8 Row, 12 Column,
PCB Mount Receptacle, Right Angle, Unshrouded, 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****Signal Characteristics**

Data Rate	3.5 Gb/s
-----------	----------

Electrical Characteristics

Operating Voltage	30 VAC
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[.681 in]

Body Features

Shield Material	Copper Alloy
Primary Product Color	Natural

Packaging Features

Packaging Method

Tray

Operation/Application

Durability Rating

250 Cycles

Circuit Application

Signal

Contact Features

Contact Underplating Material

Nickel

Contact Shape & Form

Dual Beam

PCB Contact Termination Area Plating Material Thickness

.5 – 2.5 μm [20 – 100 μin]

Contact Base Material

Copper Alloy

PCB Contact Termination Area Plating Material

Tin

Contact Type

Receptacle

Contact Current Rating (Max)

.5 A

Housing Features

Number of Shrouded Sides

0

End Wall Location

None

Housing Material

LCP (Liquid Crystal Polymer)

Centerline (Pitch)

1.45 mm[.057 in]

Product Type Features

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

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

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]

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

Usage Conditions

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

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Compliance

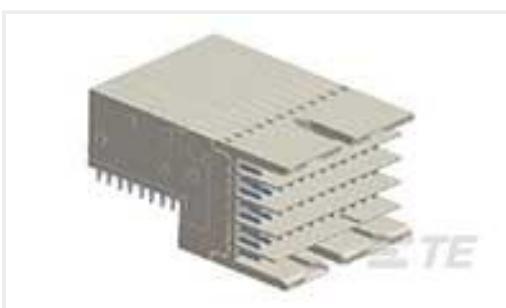
For compliance documentation, visit the product page on TE.com

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

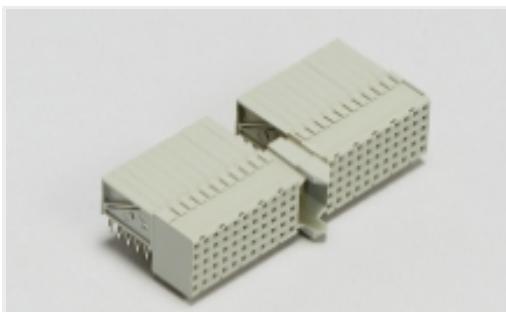
Product Compliance Disclaimer

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>

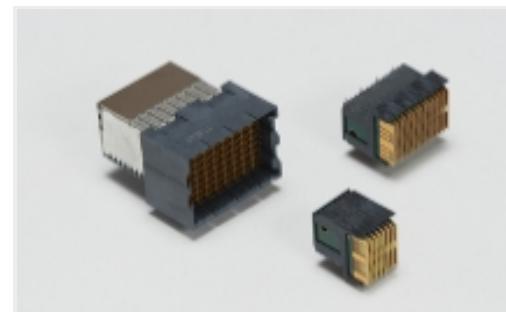
Compatible Parts

TE Part # 1551012-2
Vert.Male, IEC L3TE Part # 1857657-2
Female ConnectorTE Part # 2042088-2
Vert.Male, IEC L2TE Part # 2042162-2
Right Angle Male ConnectorTE Part # 2042139-2
RA Male Connector, IEC L3

Also in the Series | Z-PACK Slim UHD

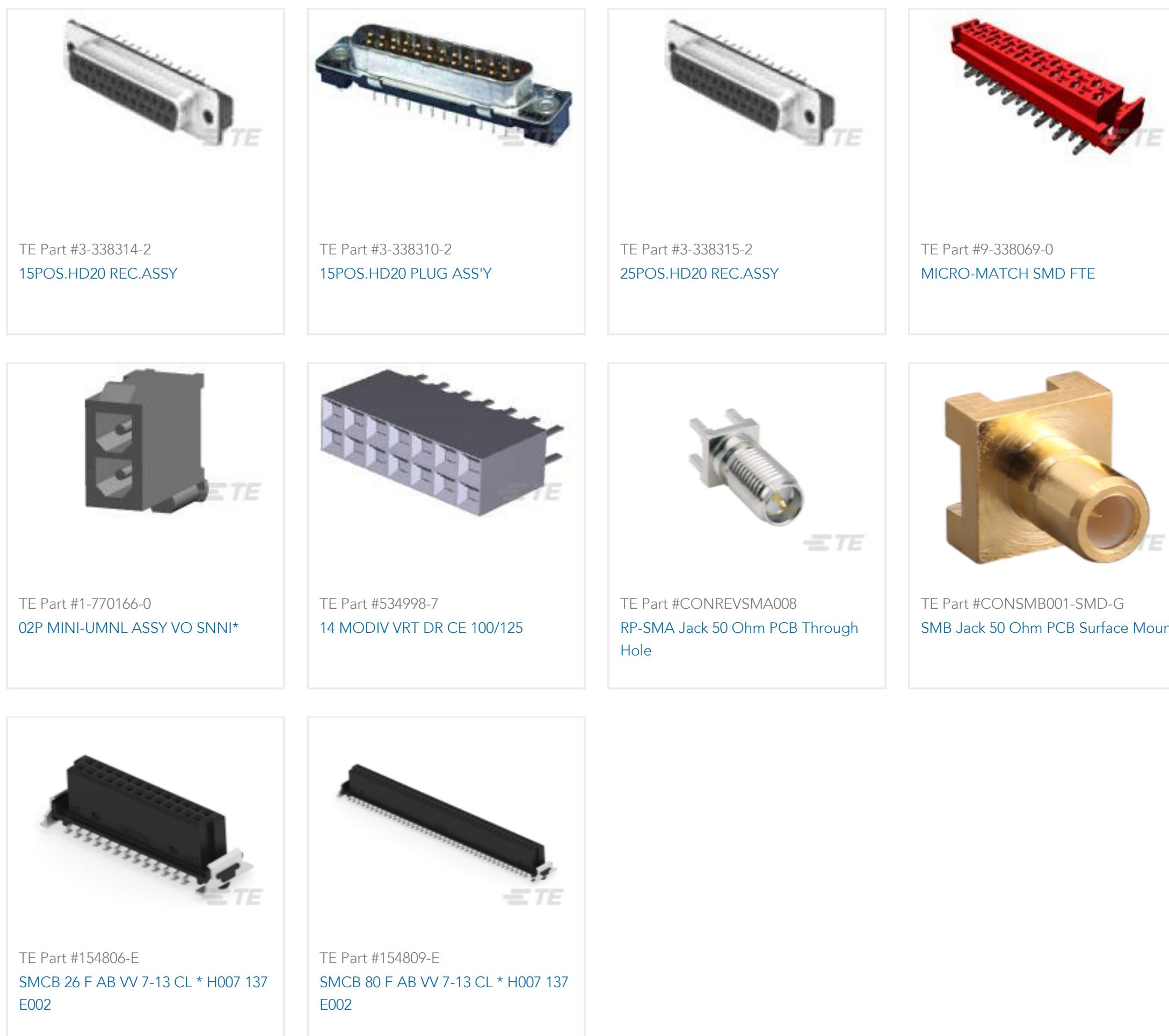


Hard Metric Backplane Connectors(2)



High Speed Backplane Connectors(12)

Customers Also Bought



Documents

Product Drawings

Female Connector IEC

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1982738-2_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1982738-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1982738-2_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

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

English

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

English

[Product Specifications](#)

[Application Specification](#)

English

[Agency Approvals](#)

[UL Report](#)

English