

2170245-1 ACTIVE

Z-PACK | Z-PACK HM-Zd

TE Internal #: 2170245-1

High Speed Backplane Connectors, 60 Position, Mating Alignment, Guide Lugs Mating Alignment Type, 6 Row, 10 Column, PCB Mount Header, Z-PACK HM-Zd

[View on TE.com >](#)



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



Number of Positions: **60**

Row-to-Row Spacing: **1.5 mm [.059 in]**

Mating Alignment: **With**

Mating Alignment Type: **Guide Lugs**

Number of Rows: **6**

Features

Product Type Features

Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header
Shroud Style	Partially Shrouded

Configuration Features

Pairs per Column	3
Number of Ground Positions	60
Card Slot Centerline	25.4 mm[1 in]
Number of Pairs	30
Number of Signal Positions	60
Number of Positions	60
Number of Rows	6
Number of Columns	10
PCB Mount Orientation	Vertical
Guide Location	Unguided

Electrical Characteristics

Operating Voltage	250 VAC
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Signal Characteristics

Data Rate	≤12 Gb/s
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Body Features

Shield Material	Phosphor Bronze
Primary Product Color	Gray

Contact Features

Contact Mating Area Length	5.3 mm[.21 in]
Contact Layout	Matrix
Contact Type	Pin
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	.7 A

Termination Features

Termination Post & Tail Length	1.55 mm[.06 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Mechanical Attachment

Mating Alignment	With
Mating Alignment Type	Guide Lugs
Connector Mounting Type	Board Mount

Housing Features

Housing Material	Polyester - GF
Centerline (Pitch)	2.5 mm[.098 in]

Dimensions

Connector Length	24.9 mm[.98 in]
Connector Height	13.4 mm[.527 in]
Connector Width	18.85 mm[.742 in]
Row-to-Row Spacing	1.5 mm[.059 in]

Usage Conditions

Operating Temperature Range	-65 - 105 °C[-85 - 221 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Method

Tube

Product ComplianceFor 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: JAN 2024
(240)Candidate List Declared Against: JAN 2024
(240)

Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900
ppm.

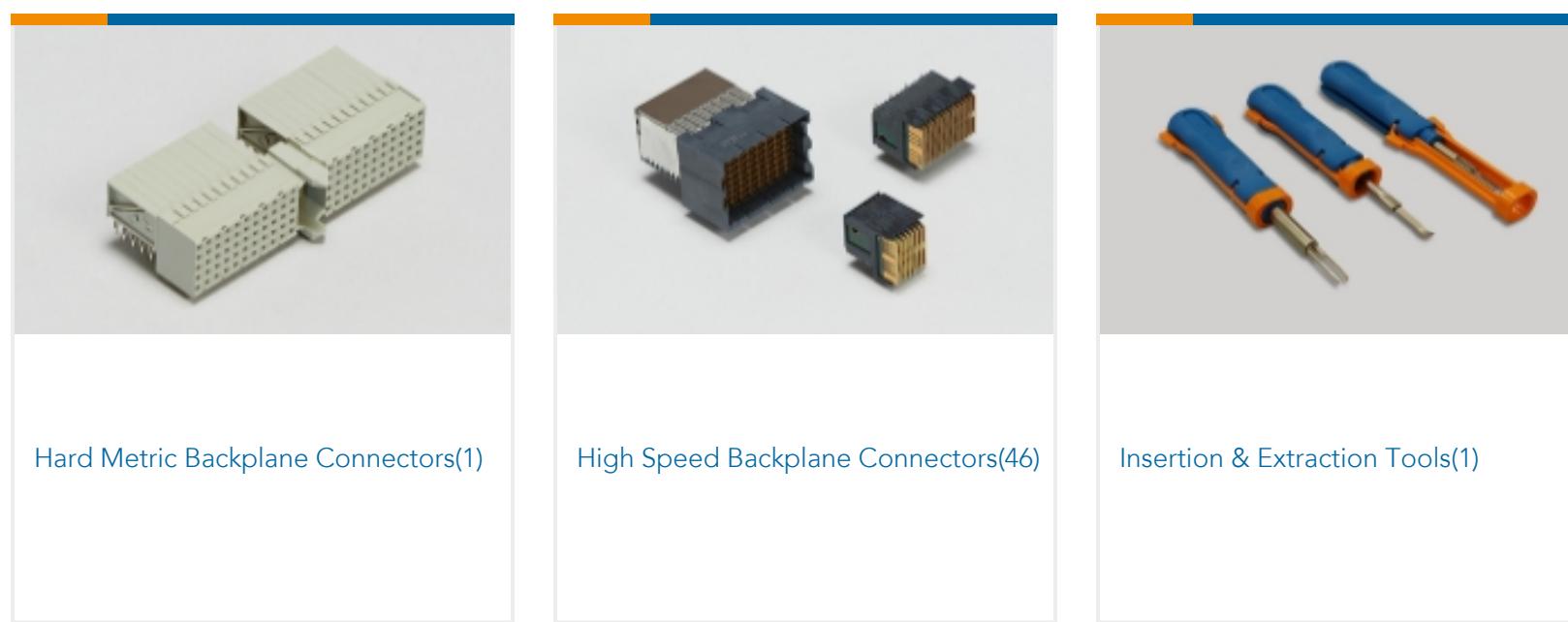
Solder Process Capability

Not applicable for solder process capability

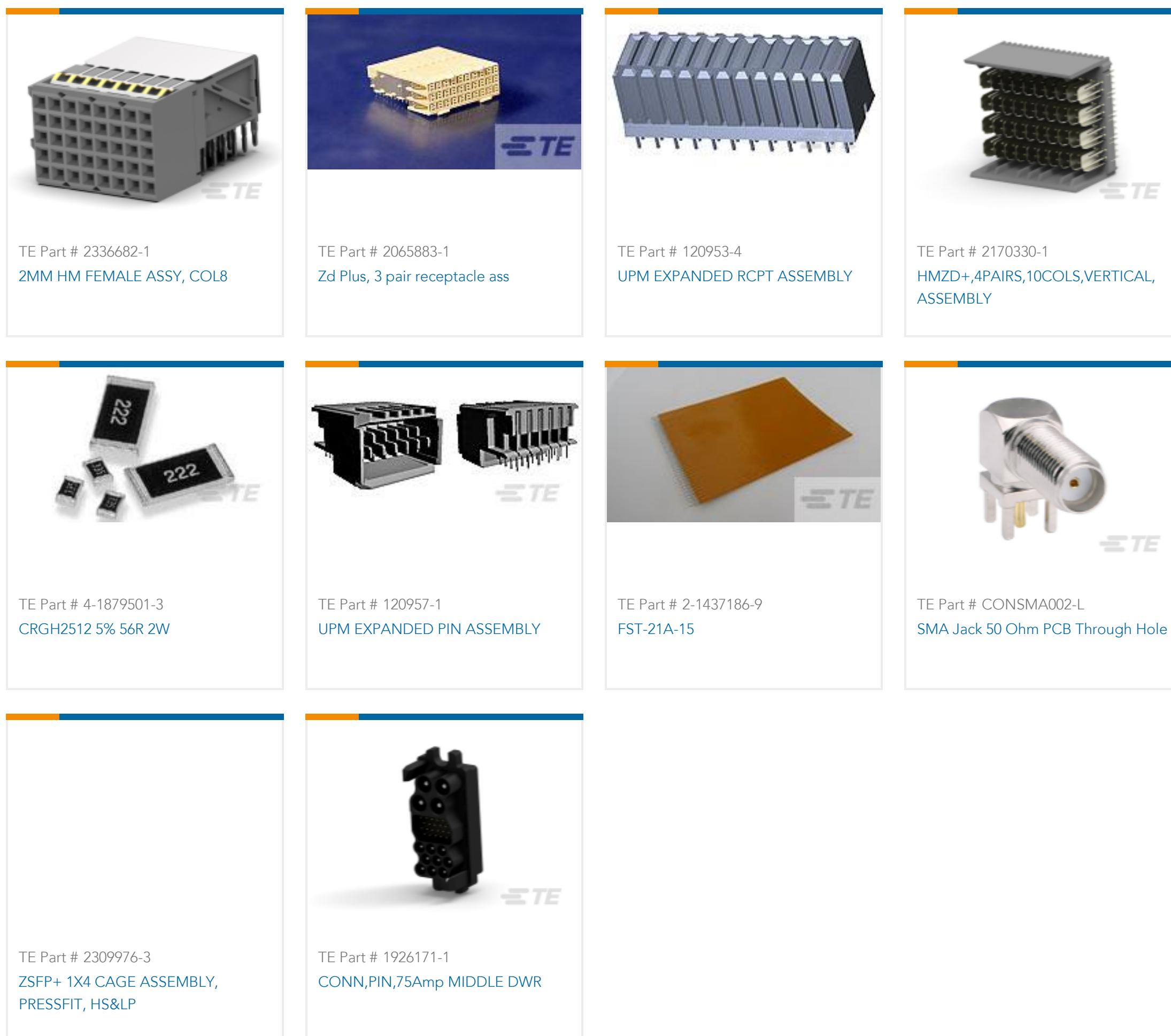
Product Compliance Disclaimer

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 PartsTE Part # 2065883-1
Zd Plus, 3 pair receptacle assTE Part # 6469081-2
HMZD 3PR, RECEPTACLE ASSEMBLY**Also in the Series | Z-PACK HM-Zd**



Customers Also Bought



Documents

Product Drawings

[HMZD+,3PAIRS,10COLS,VERTICAL,ASSEMBLY](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2170245-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2170245-1_A.3d_jgs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2170245-1_A.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English