

6469081-1 ACTIVE

Z-PACK | Z-PACK HM-Zd

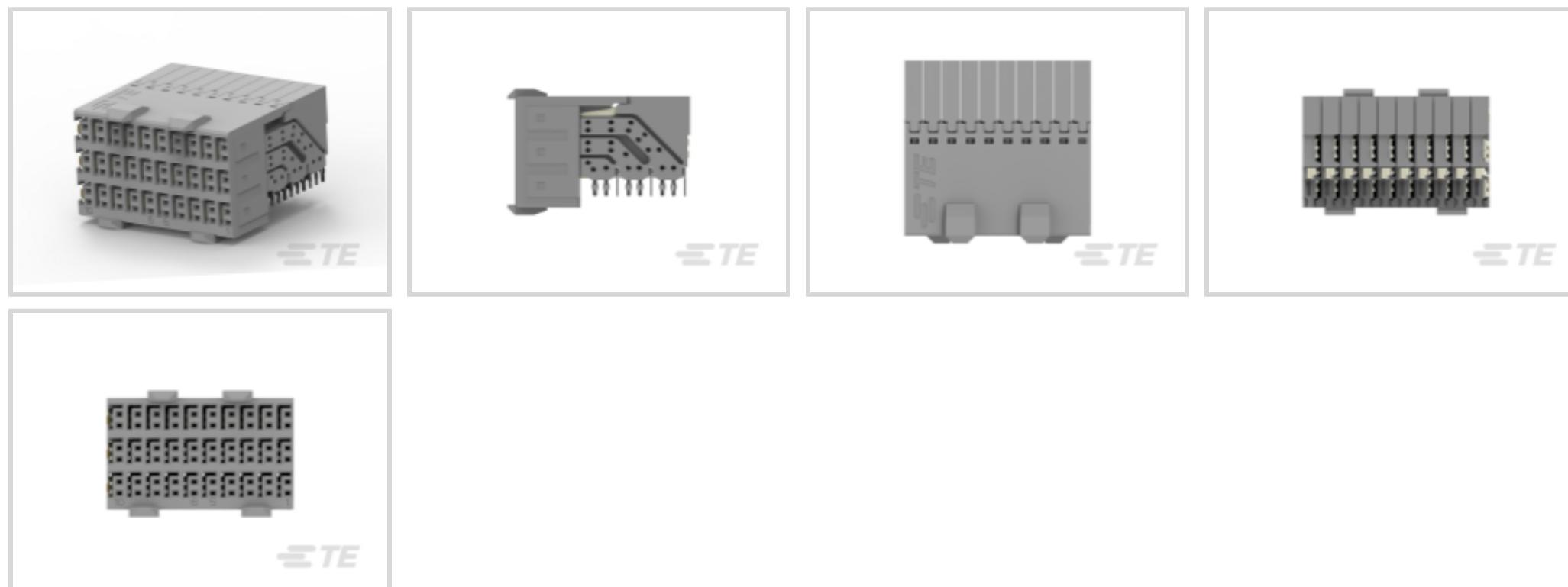
TE Internal #: 6469081-1

High Speed Backplane Connectors, 60 Position, Mating Alignment, Polarization Mating Alignment Type, 6 Row, 10 Column, 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: Polarization

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 Receptacle
Shroud Style	Fully Shrouded

Configuration Features

Pairs per Column	3
Number of Ground Positions	30
Card Slot Centerline	20.3 mm[.8 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	Right Angle

Guide Location	Unguided
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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
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Primary Product Color	Gray
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Contact Features

Contact Layout	Matrix
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Contact Type	Receptacle
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Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
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Contact Mating Area Plating Material	Gold
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Contact Base Material	Copper Nickel Silicon
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Contact Current Rating (Max)	.7 A
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Termination Features

Termination Post & Tail Length	2.2 mm[.086 in]
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Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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Mechanical Attachment

Mating Alignment	With
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Mating Alignment Type	Polarization
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Connector Mounting Type	Board Mount
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Housing Features

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

Connector Length	24.95 mm[.988 in]
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Connector Height	14.85 mm[.584 in]
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Connector Width	23.4 mm[.921 in]
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Row-to-Row Spacing	1.5 mm[.059 in]
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Usage Conditions

Operating Temperature Range

-65 - 105 °C [-85 - 221 °F]

Operation/Application

Circuit Application

Signal

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

Low Halogen - Br, Cl, F, I < 900 ppm per
homogenous material. Also BFR/CFR/PVC
Free

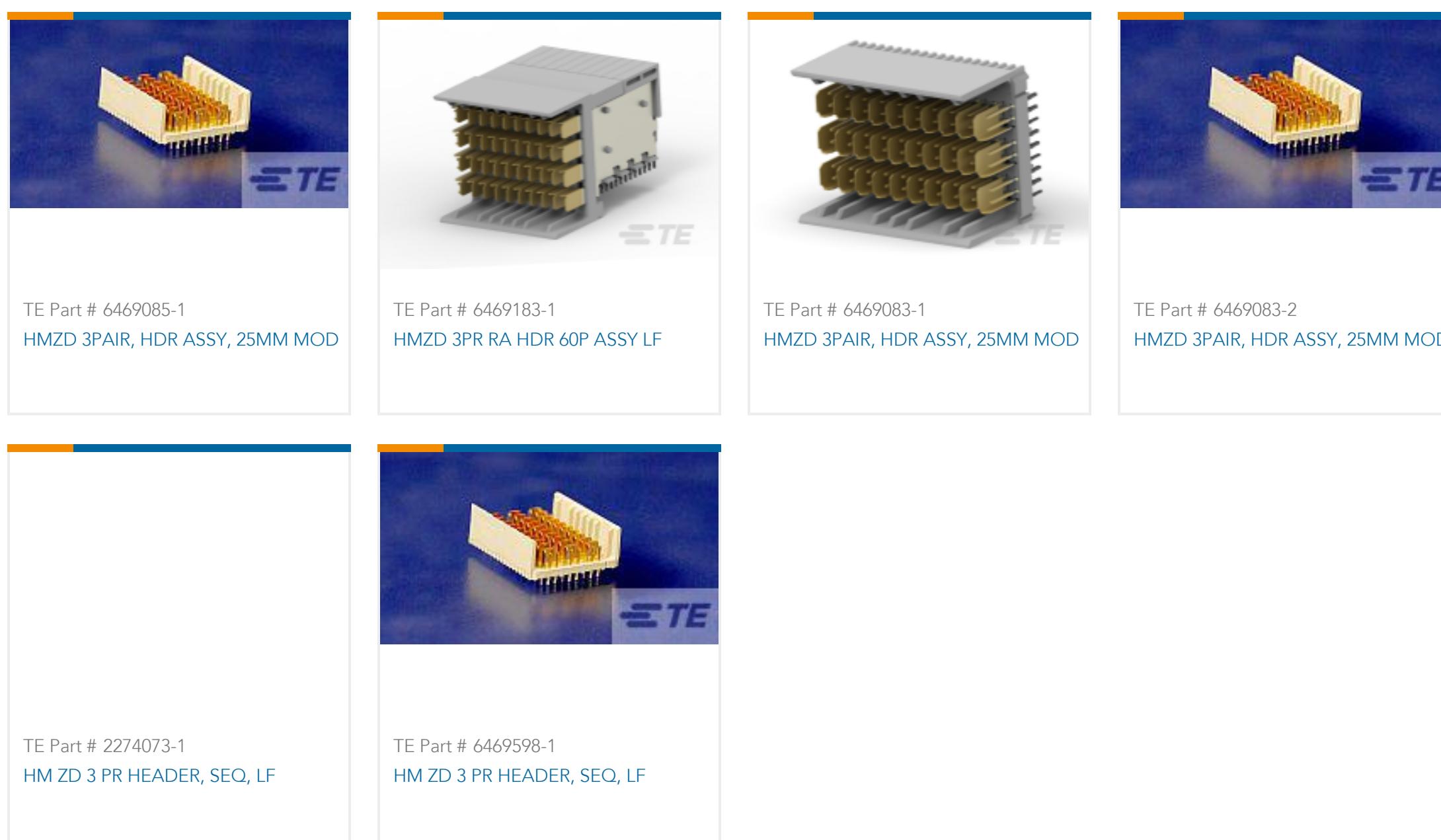
Solder Process Capability

Not applicable for solder process capability

Product Compliance Disclaimer

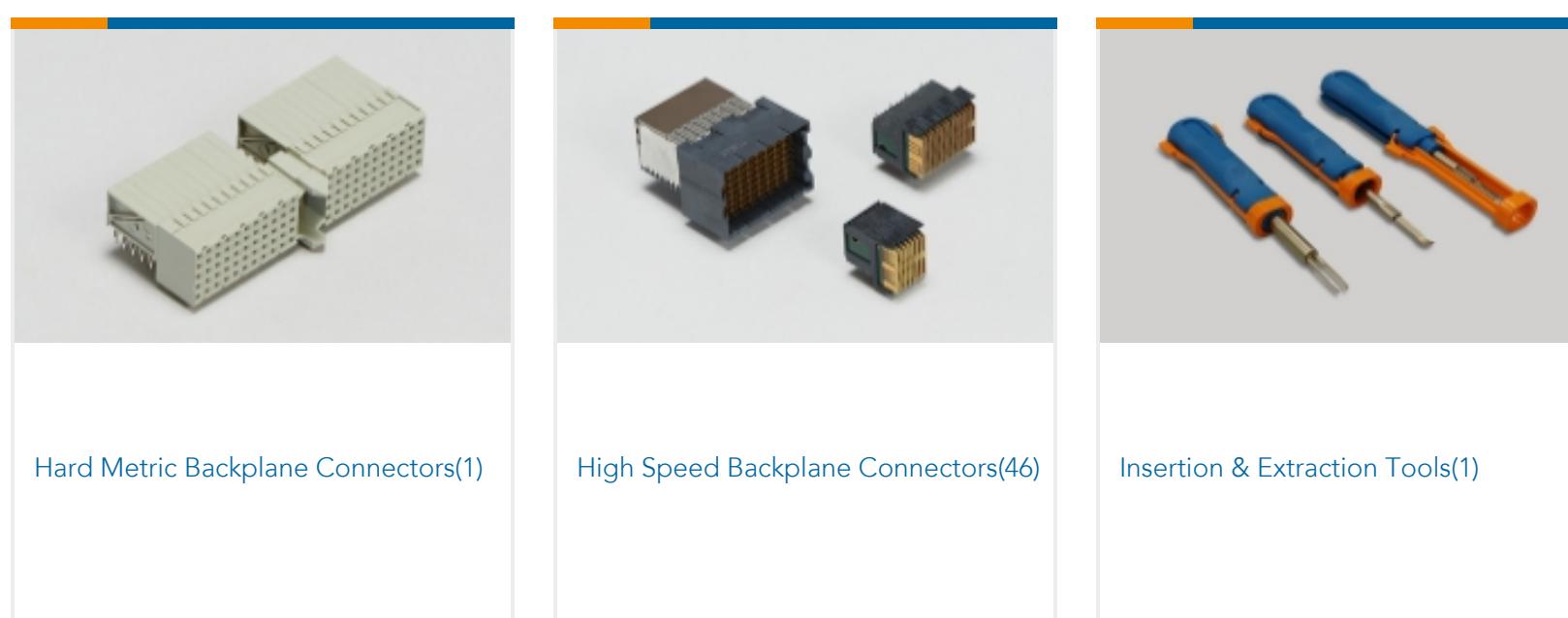
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

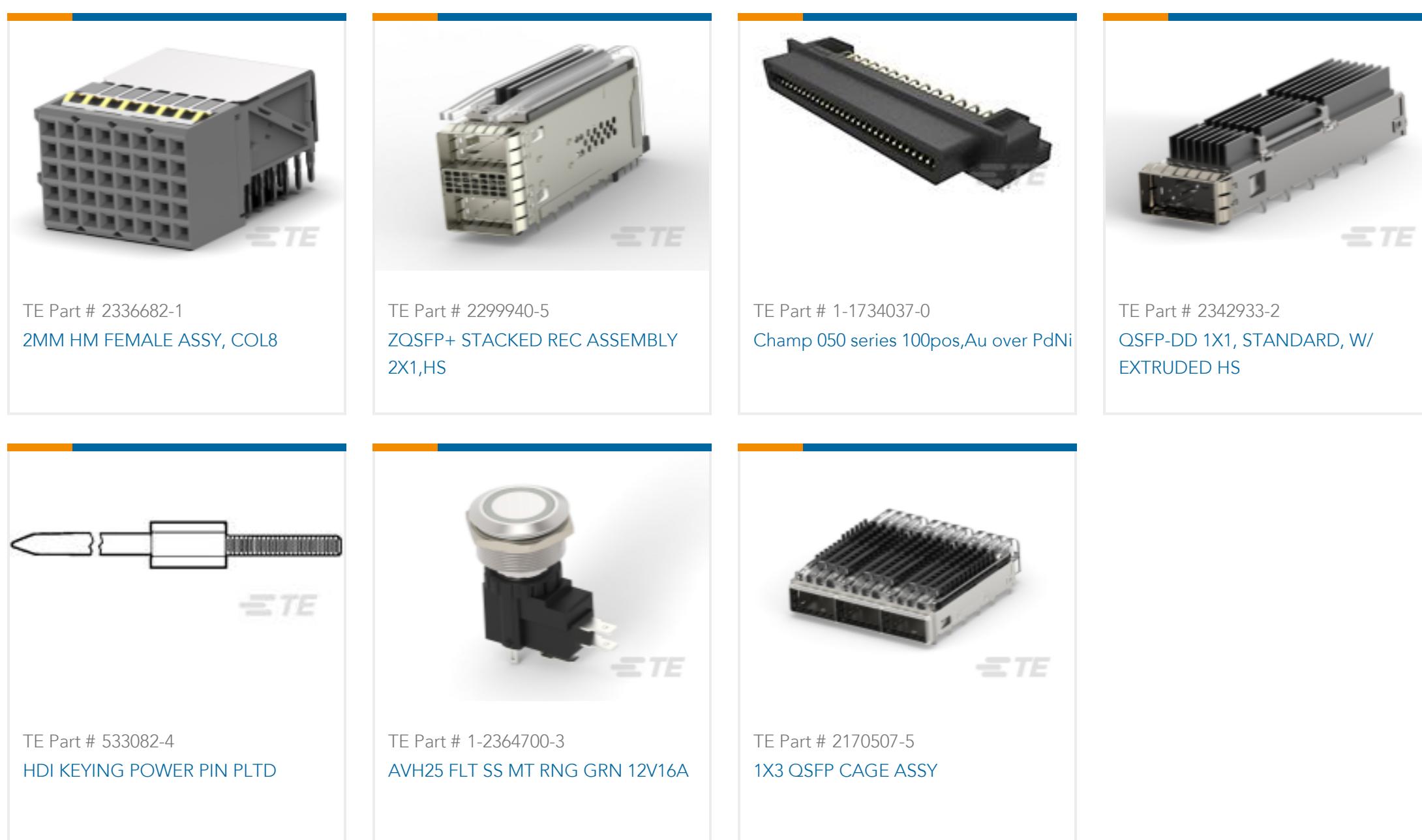


Also in the Series

Z-PACK HM-Zd



Customers Also Bought



Documents

Product Drawings

HMZD 3PR, RECEPTACLE ASSEMBLY

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_6469081-1_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6469081-1_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6469081-1_E.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 HM-Zd Connector

English

Product Specifications

Application Specification

English