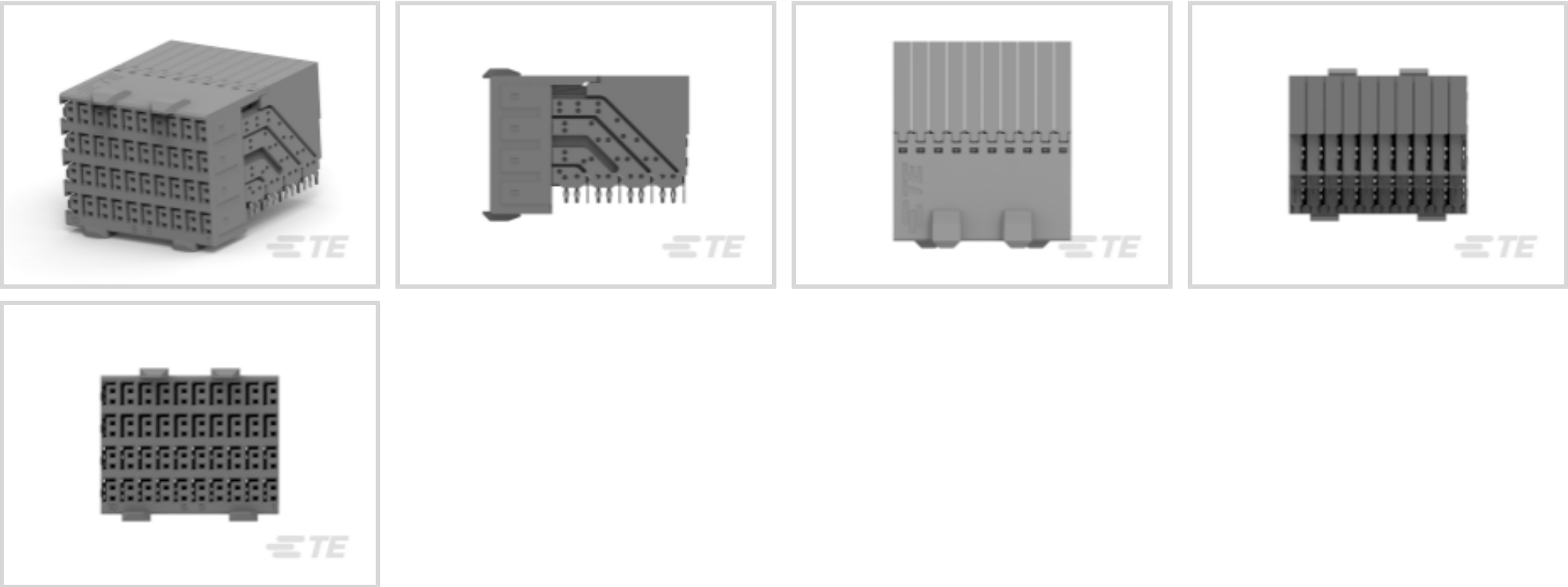




Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



Connector System: **Board-to-Board**
Number of Positions: **80**
Row-to-Row Spacing: **1.5 mm [.059 in]**
Mating Alignment: **With**
Mating Alignment Type: **Polarization**

Features

Product Type Features

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

Configuration Features

Pairs per Column	4
Number of Ground Positions	40
Card Slot Centerline	25.4 mm[1 in]
Number of Pairs	40
Number of Signal Positions	80
Number of Positions	80
Number of Rows	8
Number of Columns	10
PCB Mount Orientation	Right Angle



Guide Location	Unguided
Electrical Characteristics	
Operating Voltage	250 VAC
Signal Characteristics	
Data Rate	≤12 Gb/s
Body Features	
Shield Material	Phosphor Bronze
Primary Product Color	Gray
Contact Features	
Contact Layout	Matrix
Contact Type	Receptacle
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Contact Mating Area Plating Material	Gold
Contact Base Material	Copper Nickel Silicon
Contact Current Rating (Max)	.7 A
Termination Features	
Termination Post & Tail Length	2.2 mm[.086 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit
Mechanical Attachment	
Mating Alignment	With
Mating Alignment Type	Polarization
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	19.35 mm[.761 in]
Connector Width	27.9 mm[1.098 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
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Packaging Features

Packaging Method	Tube
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Product Compliance

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

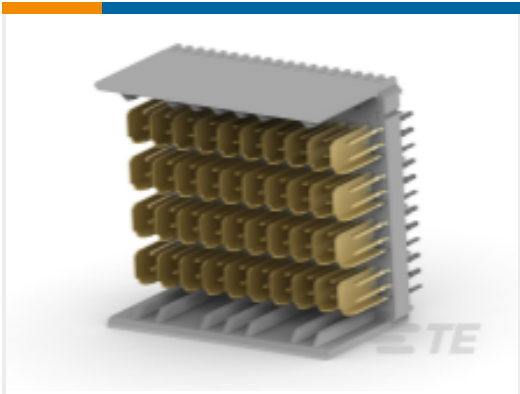
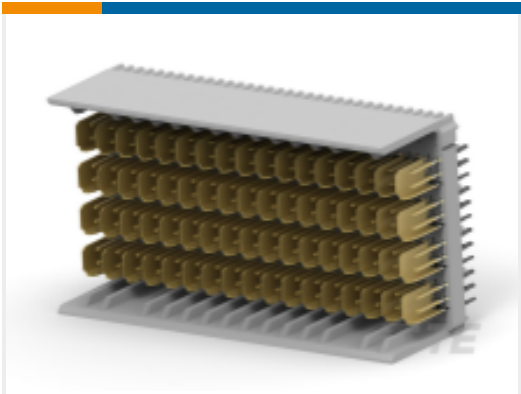
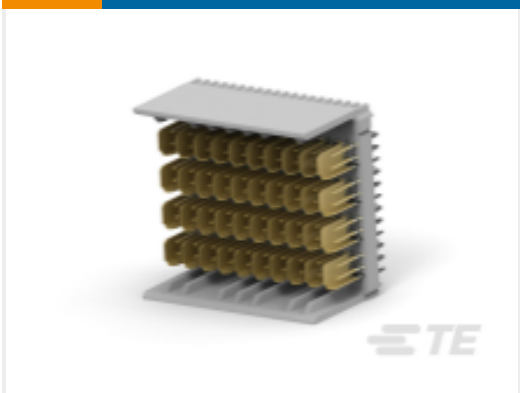
EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Pb (13% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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

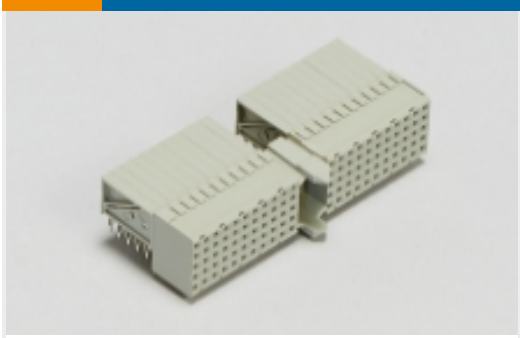
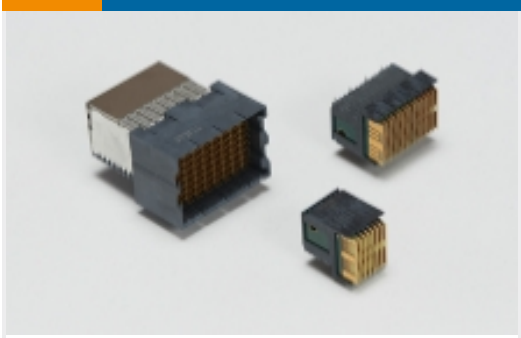
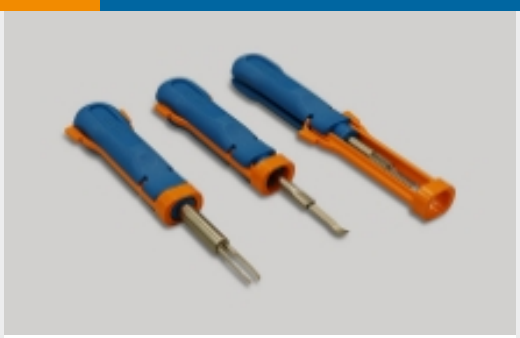
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1469002-1 HM-ZD 4PR HDR 80P 5.2MM	 TE Part # 6469002-1 HM-ZD 4PR HDR 80P 5.2MM	 TE Part # 6469048-1 HMZD 4PR RA HDR 80P ASSY LF	 TE Part # 1469074-1 HM-ZD 4PR HDR ASSY 1.8MM
 TE Part # 6469074-1 HM-ZD 4PR HDR ASSY 1.8MM	 TE Part # 91347-1 SEATING TOOL,HMZD RCPT, 4 PAIR	 TE Part # 6469002-2 HM-ZD 4PR HDR 80P 3.7MM	 TE Part # 6469046-1 HMZD HRD ASSY, 4 PAIR
 TE Part # 6469056-1 HMZD 4PR. HDR ASSY.,25MM MODUL	 TE Part # 6469079-1 HMZD HDR ASSY 4 PR SELECT LOAD	 TE Part # 6469292-1 HM ZD 4 PR HEADER, SEQUENCED	 TE Part # 1583224-1 TOOL,REMOVAL,HMZD RECEPT. HOUS
 TE Part # 1583248-1 TOOL,REMOVAL,HMZD CHICLET,4 PR	 TE Part # 6469320-1 HM Zd 4 PR Pin Assy, Sequenced, LF		

Also in the Series | Z-PACK HM-Zd

 Hard Metric Backplane Connectors(1)	 High Speed Backplane Connectors(46)	 Insertion & Extraction Tools(2)
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Customers Also Bought





TE Part #2201855-1
MINI I/O PLUG KIT TYPE I L



TE Part #5646445-1
2MM HM,ASY,T-E,REC,TWIST TULIP



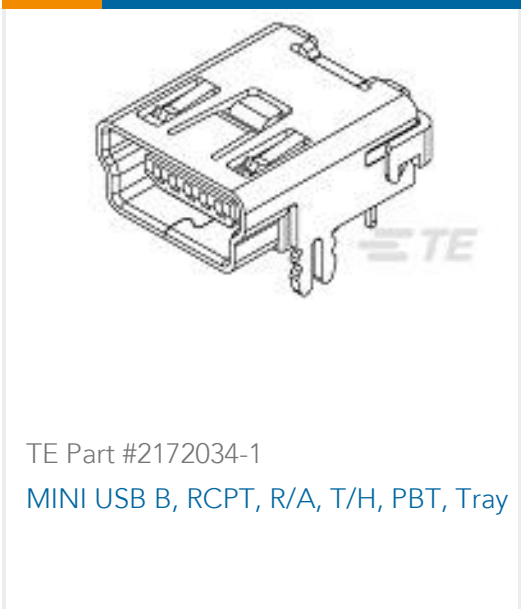
TE Part #794236-1
04P CMNL HDR ASSY V0



TE Part #2007198-2
SFP+ 1x1 Cage Assembly, Press-Fit



TE Part #4-1879208-9
CPF 0402 1K0 0.1% 25PPM 1K RL



TE Part #2172034-1
MINI USB B, RCPT, R/A, T/H, PBT, Tray



TE Part #87232-3
03 MODII HDR SRRA UNSHRD .100



TE Part #1747981-1
Std HDMI, RA, SMT



TE Part #8-102898-4
02 MODII HDR SRST UNSHRD A/PIN

Documents

Product Drawings

HM-ZD 4PR RECP 80P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1469001-1_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1469001-1_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1469001-1_H.3d_stp.zip

English

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

Product Specifications



Application Specification

English

Instruction Sheets

EXTRACTION TOOL FOR HM-Zd CONN.(REC)(TOOL P/N: 1596027-1)

English

Instruction Sheet (non U.S.)

English