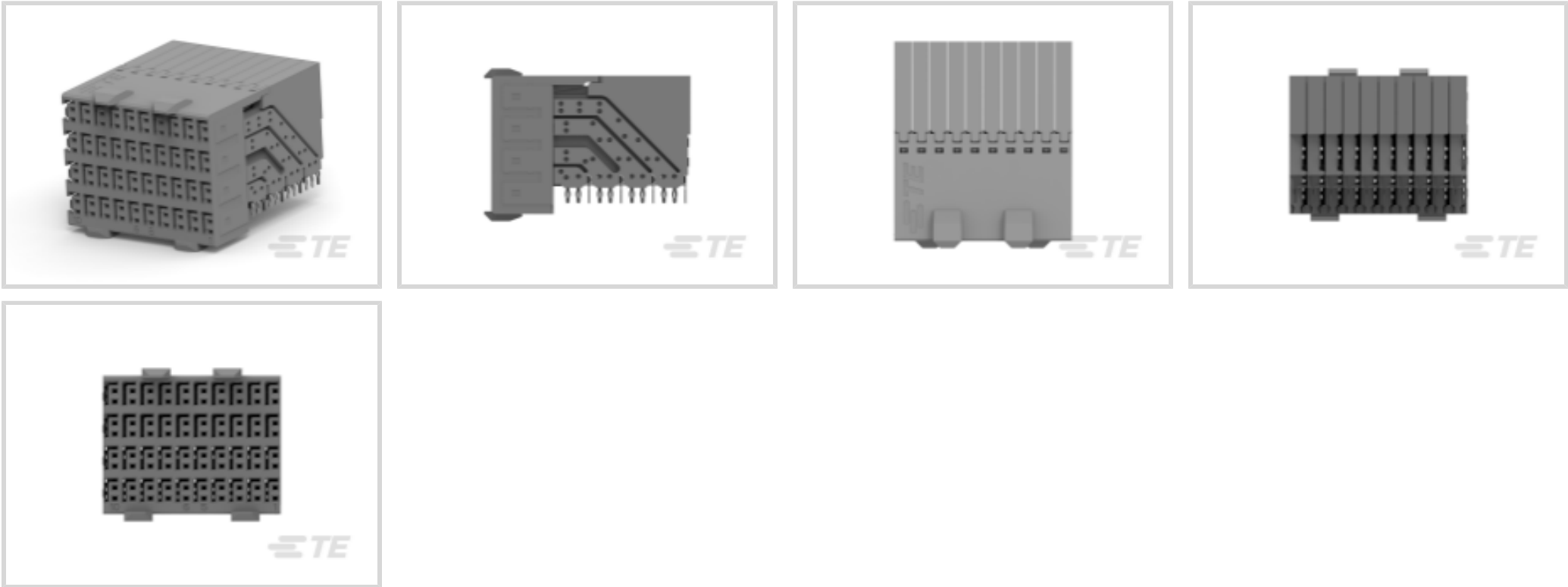




Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



Number of Positions: 80
Row-to-Row Spacing: 1.5 mm [.059 in]
Mating Alignment: With
Mating Alignment Type: Polarization
Number of Rows: 8

Features

Product Type Features

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

Configuration Features

Number of Pairs	40
Number of Ground Positions	40
Number of Signal Positions	80
Pairs per Column	4
Card Slot Centerline	25.4 mm[1 in]
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 Mating Area Plating Material Thickness	.76 μm[30 μin]
Contact Layout	Matrix
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Copper Nickel Silicon
Contact Type	Receptacle
Contact Current Rating (Max)	.7 A
Termination Features	
Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	2.2 mm[.086 in]
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 Width	27.9 mm[1.098 in]
Connector Height	19.35 mm[.761 in]
Connector Length	24.9 mm[.98 in]
Row-to-Row Spacing	1.5 mm[.059 in]
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 Compliance

For compliance documentation, visit the product page on [TE.com](#)>

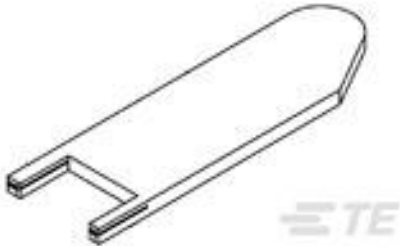
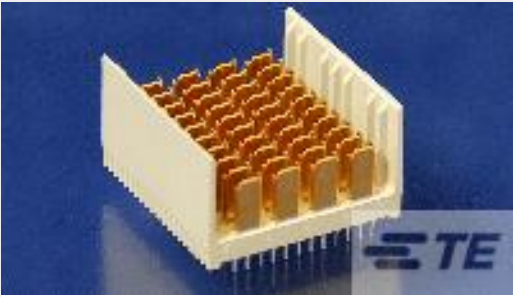
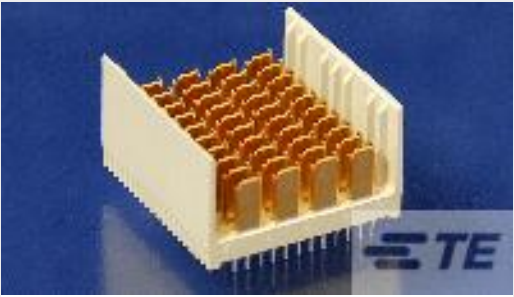
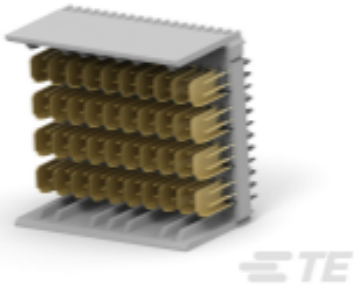
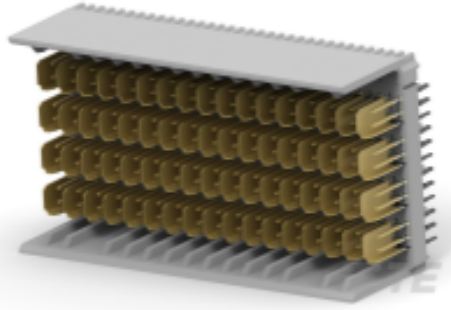
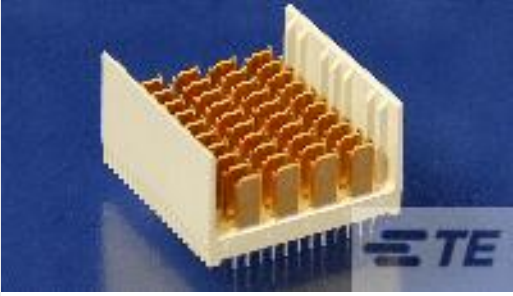
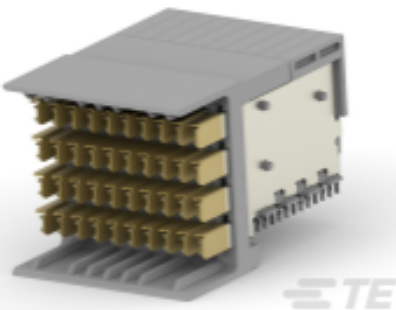
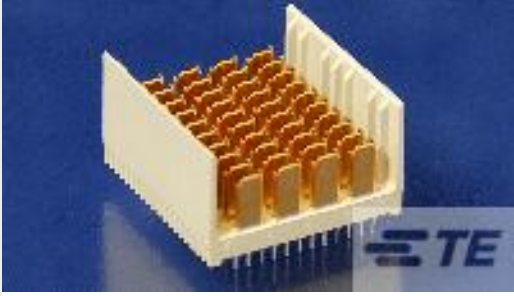
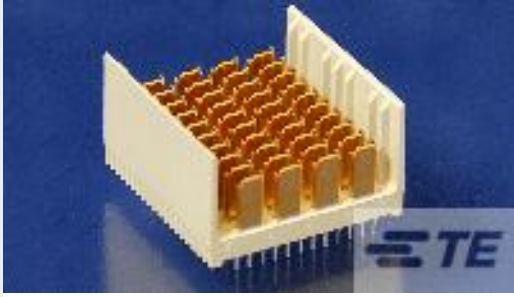
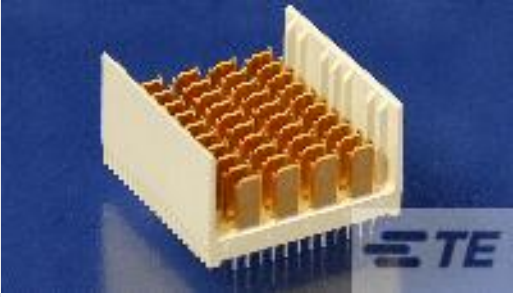
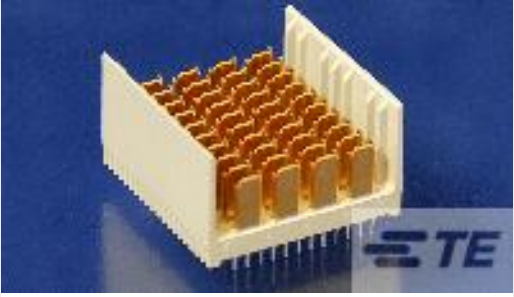
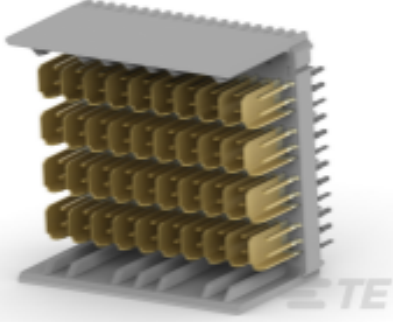
EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (13% in 4690948374) 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>

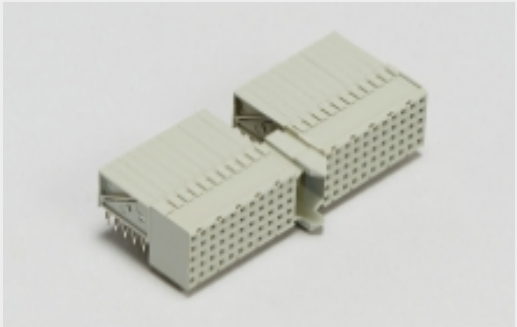
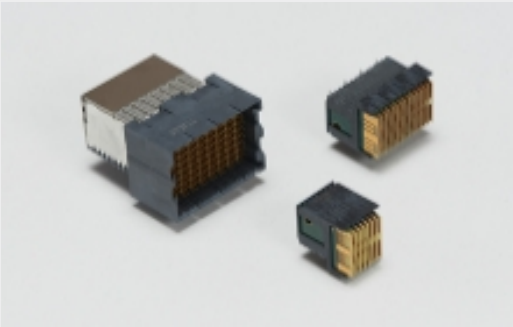
Compatible Parts



 TE Part # 1583248-1 TOOL,REMOVAL,HMZD CHICLET,4 PR	 TE Part # 6469292-1 HM ZD 4 PR HEADER, SEQUENCED	 TE Part # 6469046-1 HMZD HRD ASSY, 4 PAIR	 TE Part # 6469074-1 HM-ZD 4PR HDR ASSY 1.8MM
 TE Part # 6469002-1 HM-ZD 4PR HDR 80P 5.2MM	 TE Part # 6469002-2 HM-ZD 4PR HDR 80P 3.7MM	 TE Part # 6469048-1 HMZD 4PR RA HDR 80P ASSY LF	 TE Part # 6469056-1 HMZD 4PR. HDR ASSY.,25MM MODUL
 TE Part # 1469074-1 HM-ZD 4PR HDR ASSY 1.8MM	 TE Part # 6469079-1 HMZD HDR ASSY 4 PR SELECT LOAD	 TE Part # 6469320-1 HM Zd 4 PR Pin Assy, Sequenced, LF	 TE Part # 1469002-1 HM-ZD 4PR HDR 80P 5.2MM
 TE Part # 1583224-1 TOOL,REMOVAL,HMZD RECEPT. HOUS	 TE Part # 91347-1 SEATING TOOL,HMZD RCPT, 4 PAIR		

Also in the Series

Z-PACK HM-Zd

 Hard Metric Backplane Connectors(1)	 High Speed Backplane Connectors(46)	 Insertion & Extraction Tools(1)
--	---	--

Customers Also Bought

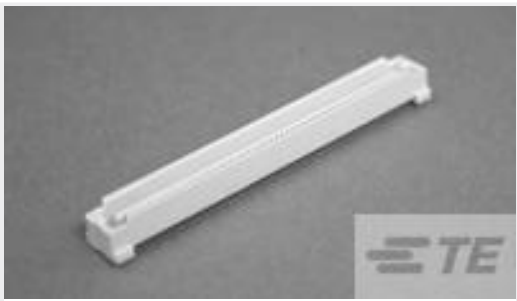




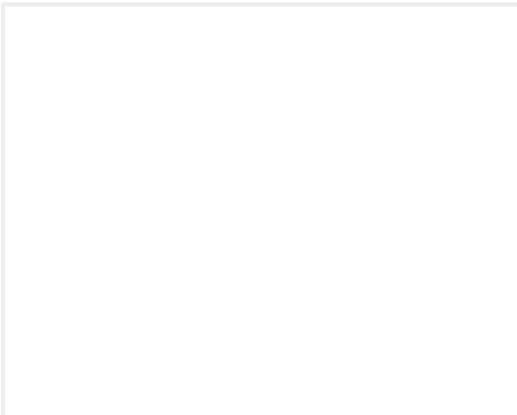
TE Part #2013289-2
SEMI-HARD TRAY DDR3 204P 5.2H
STD Au0.25



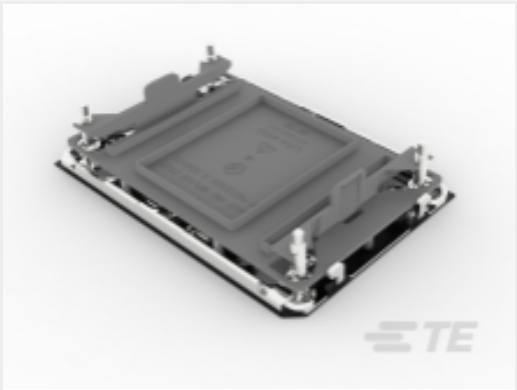
TE Part #2327678-3
RECEPTACLE ASSY, 84 P, VERT,
SLIVER 2.0



TE Part #5177986-6
0.8FH,P05H.5,140,08/Sn,TR,SC



TE Part #2373760-2
SAS/PCIE (U.2/U.3) RECEPTACLE,
68POS



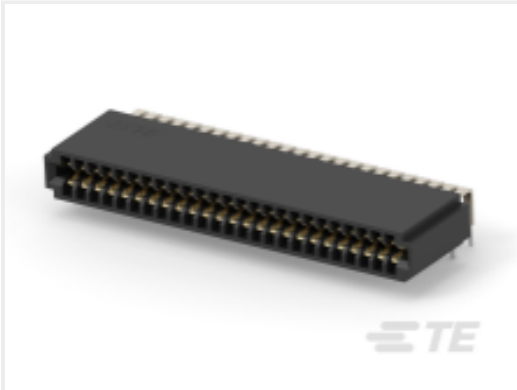
TE Part #2-2330550-2
SOCKET P4 BOLSTER PLATE ASSY,
W/ COVER



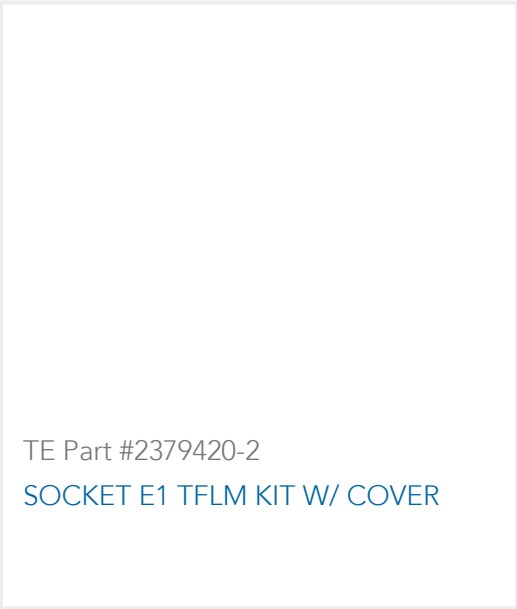
TE Part #2328461-2
280 POS., CONNECTOR ASSEMBLY,
SLIVER 2.0



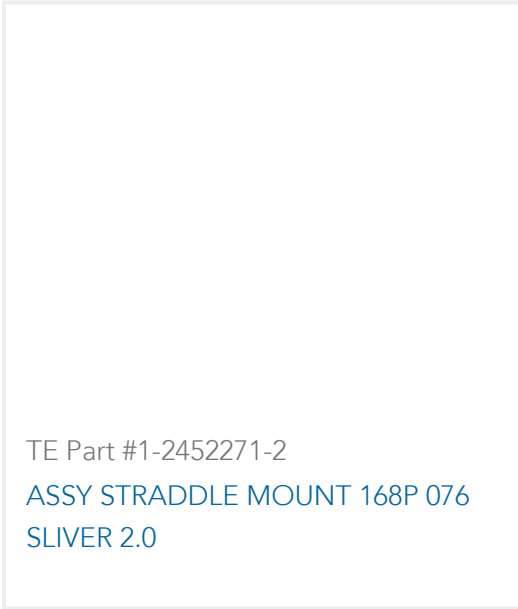
TE Part #4-1625971-4
HSA25 3K3 5%



TE Part #2358256-1
SBCE, 2X25P



TE Part #2379420-2
SOCKET E1 TFLM KIT W/ COVER



TE Part #1-2452271-2
ASSY STRADDLE MOUNT 168P 076
SLIVER 2.0

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