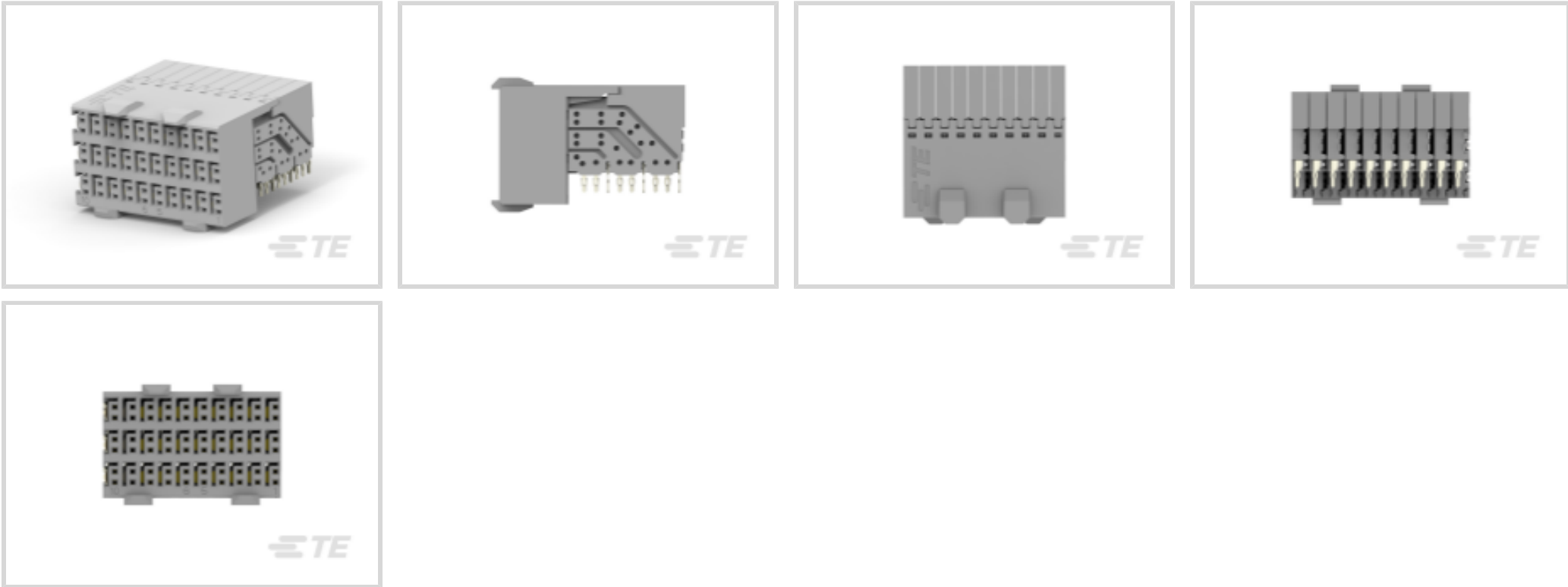




Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



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 & 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	3
Number of Ground Positions	30
Number of Signal Positions	60
Pairs per Column	3
Number of Positions	60
Number of Rows	6
Number of Columns	10
PCB Mount Orientation	Right Angle
Guide Location	Unguided



Electrical Characteristics

Operating Voltage	250 VAC
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Signal Characteristics

Data Rate	10 Gb/s
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Body Features

Shield Material	Phosphor Bronze
Primary Product Color	Gray

Contact Features

Contact Mating Area Plating Material Thickness	1.27 μm[50 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	23.43 mm[.922 in]
Connector Height	14.85 mm[.584 in]
Connector Length	24.95 mm[.988 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: 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 # 1673952-1
REMOVAL TL,CHICLET,HMZD,3 PR

TE Part # 1583224-1
TOOL,REMOVAL,HMZD RECEPT.
HOUS

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 #1-1879213-9
CPF 0402 40R2 0.1% 25PPM 1K RL

TE Part #1623428-1
CRG1206 1% 15K

TE Part #CAT-H857-H34215
AMP HPI 1.5 mm Headers

TE Part #8-1676480-8
CRG0402 1% 75K

TE Part #5-2176093-0
RP 2A 0.25W 31K6 0.1% 25PPM 1K RL

TE Part #3-1474654-6
FSN-21A-2

TE Part #2-2176313-6
RP 1E 0.1W 243K 0.1% 25PPM 1K RL

TE Part #1-2199230-4
M.2 0.5PITCH 4.2H KEY M 10U" AU

TE Part #5-2176325-4
CRGP 0402 270K 1%



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1469081-2_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1469081-2_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1469081-2_G.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English