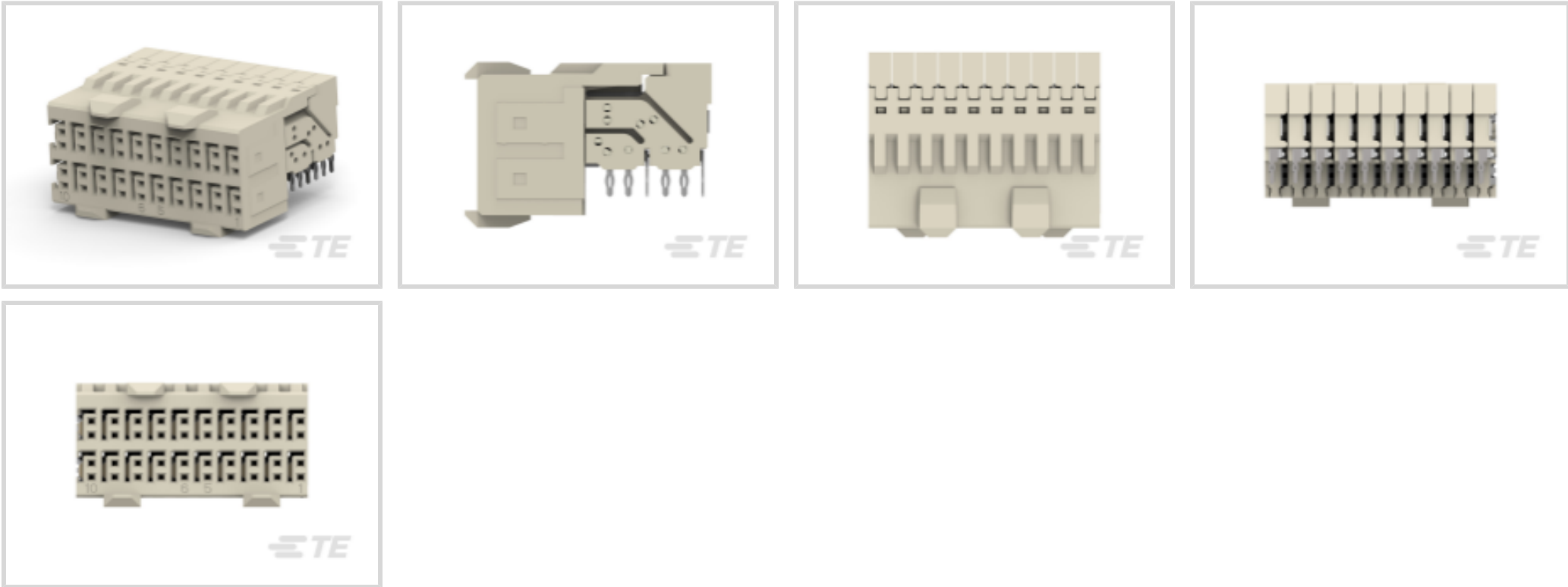




Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



Number of Positions: 40
Row-to-Row Spacing: 1.5 mm [.059 in]
Mating Alignment: With
Mating Alignment Type: Polarization
Number of Rows: 4

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	20
Number of Ground Positions	20
Number of Signal Positions	40
Pairs per Column	2
Number of Positions	40
Number of Rows	4
Number of Columns	10
PCB Mount Orientation	Right Angle
Guide Location	Unguided



Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Shield Material	Phosphor Bronze
Primary Product Color	Gray

Contact Features

Contact Mating Area Plating Material Thickness	.076 μm[3 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	18.9 mm[.744 in]
Connector Height	11.35 mm[.446 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	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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 reviewed 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

Hard Metric Backplane Connectors(1)

High Speed Backplane Connectors(46)

Insertion & Extraction Tools(1)

Customers Also Bought

TE Part #1-1879208-4
CPF 0402 36R 0.1% 25PPM 1K RL

TE Part #861647-6
RECPT FLANGED H.V. 7 CONTACTS

TE Part #1376073-2
DYNAMIC D-2000 TAB ASSY 50P

TE Part #50865
SOCKET,MIN-SPR AU SER-4

TE Part #1735482-3
0.8FH,R17H.5,080,08/Sn,TR,SC

TE Part #8-1622796-9
YR1 0.1% 191K

TE Part #9-1734774-3
PCI EXP 2.3L 64 POS BLK 30u"

TE Part #1735482-4
0.8FH,R17H.5,100,08/Sn,TR,SC

TE Part #4-2176230-7
3522 5K6 5% 3W

TE Part #8-1879160-5
RN 0805 8R66 0.1% 10PPM 1K RL

Documents

Product Drawings

HM-ZD LITE 2PR RECP 40P

English

CAD Files

3D PDF

3D



Customer View Model

ENG_CVM_CVM_1645694-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1645694-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1645694-1_B.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