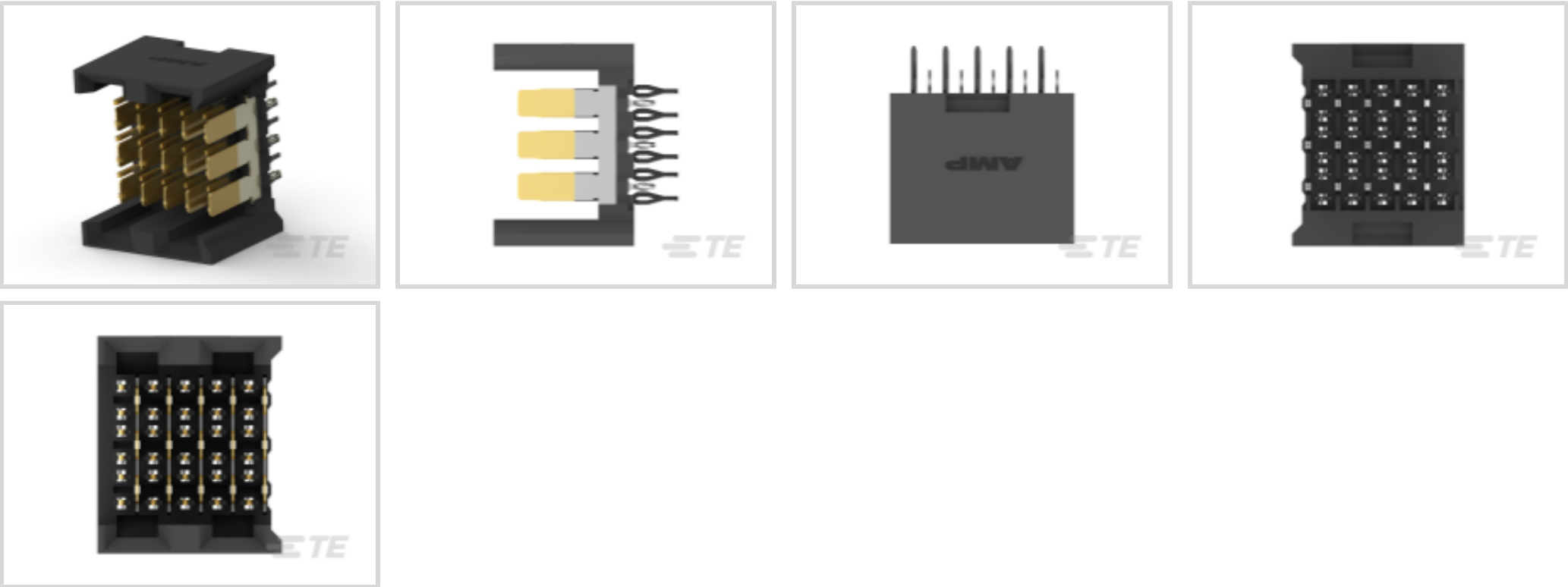




Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



Number of Positions: 30  
Row-to-Row Spacing: 2 mm [ .078 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
Backplane Module Type	Right
PCB Connector Type	PCB Mount Header
Shroud Style	Partially Shrouded

Configuration Features

Backplane Architecture	Traditional Backplane
Stackable	No
Number of Positions	30
Number of Rows	6
Number of Columns	5
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC
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Signal Characteristics

Number of Differential Pairs per Column	3
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Body Features

Guide Pin Style	ESD/HDI
Primary Product Color	Black

Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.5 µm[19.68 µin]
Contact Shape & Form	Dual Beam
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Length	6.8 mm[.268 in]
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	1.15 A

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	3.7 mm[.146 in]

Mechanical Attachment

Guide Hardware	Without
PCB Mount Retention	With
Mating Retention	Without
PCB Mount Retention Type	Action/Compliant Tail
Mating Alignment	With
Mating Alignment Type	Polarization
Connector Mounting Type	Board Mount

Housing Features

Number of Shrouded Sides	2
Housing Material	Polyester GF
Centerline (Pitch)	2.5 mm[.098 in]

Dimensions

PCB Thickness (Recommended)	1.4 mm
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Connector Width	24 mm
PCB Hole Diameter	.05 mm[.001 in]
Connector Height	11.95 mm[.47 in]
Connector Length	14.46 mm[.569 in][.945 in]
Row-to-Row Spacing	2 mm[.078 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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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 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 # 5120789-1  
ZP HS3 DB 06R REC 030P LT PD




TE Part # 5120788-1  
ZP HS3 DB 06R REC 030P RT PD

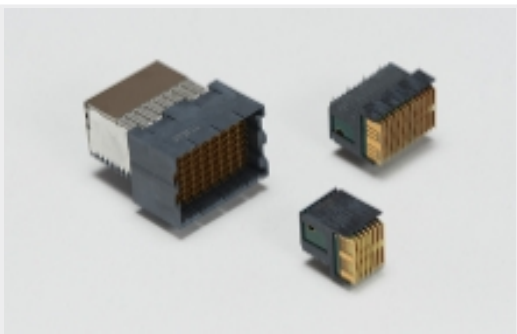
Also in the Series | Z-PACK HS3



Connector Caps & Covers(2)




Connector Hardware(1)




High Speed Backplane Connectors(39)


Customers Also Bought




TE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT




TE Part #CAT-D48-ST273  
DEUTSCH Solid Contacts




TE Part #CAT-D487-W416  
Wedgelocks: DEUTSCH DT



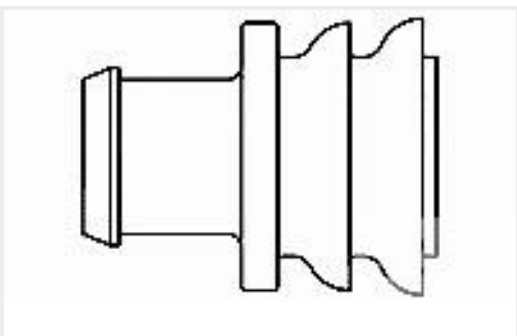
TE Part #DT06-2S  
PLG, 2P, GRY, N



TE Part #DT04-2P  
REC, 2P, GRY, N



TE Part #CAT-AM71-CH8172  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING



TE Part #281934-2  
SINGLE WIRE SEAL

Documents

Product Drawings  
Z-PACK HS3 HDR ASSY 6R 30P RH

English

CAD Files



Customer View Model

[ENG\\_CVM\\_CVM\\_5120677-1\\_B.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5120677-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5120677-1\\_B.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 HS3 Connector](#)

English

Product Specifications

[Application Specification](#)

English