

5120678-2 ✓ ACTIVE

Z-PACK | Z-PACK HS3

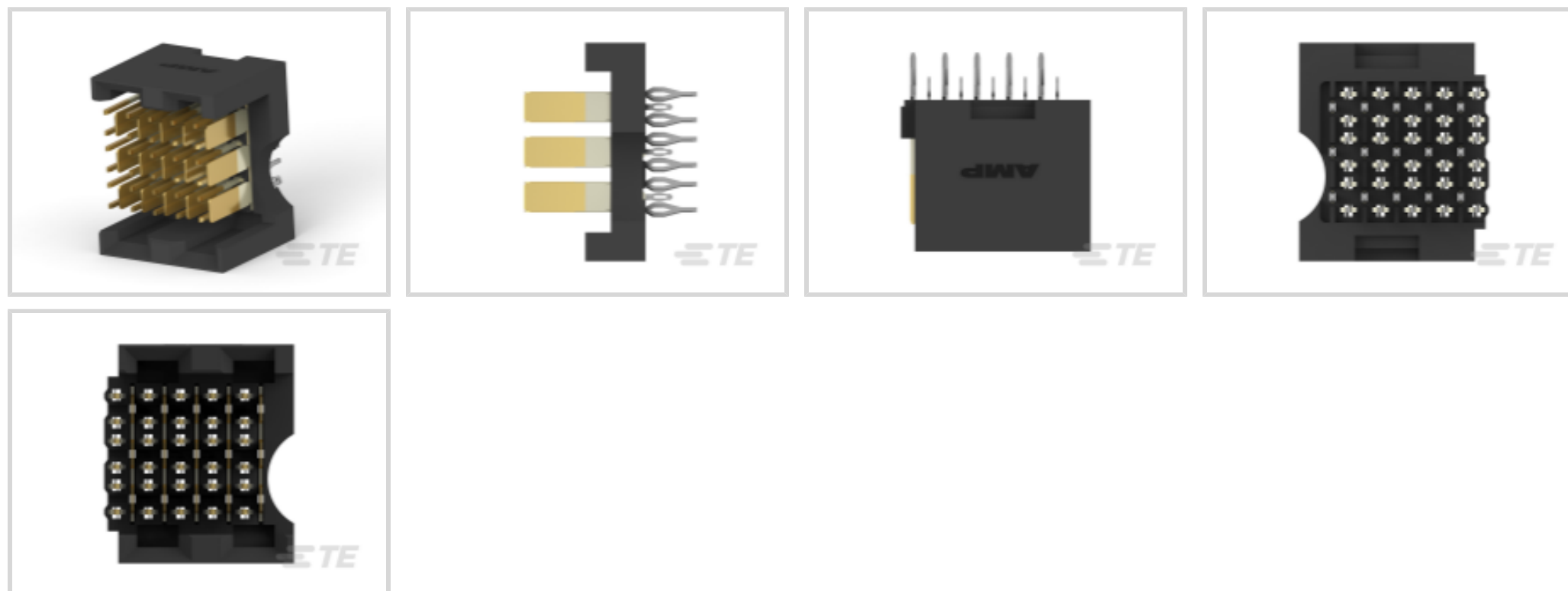
TE Internal #: 5120678-2

Z-PACK HS3, High Speed Backplane Connectors, Board-to-Board,
60 Position, Row-to-Row Spacing 2 mm [.078 in], Mating Alignment

[View on TE.com >](#)



Connectors > PCB Connectors > Backplane Connectors > High Speed Connectors



Connector System: **Board-to-Board**

Number of Positions: **60**

Row-to-Row Spacing: **2 mm [.078 in]**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Features

Product Type Features

Backplane Module Type	Left
Connector System	Board-to-Board
PCB Connector Assembly Type	PCB Mount Header
Shroud Style	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Stackable	No
Number of Positions	60
Number of Rows	6
Number of Columns	5
Backplane Architecture	Traditional Backplane
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
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Contact Features

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

Termination Post & Tail Length	3.7 mm[.146 in]
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Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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Mechanical Attachment

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

Number of Shrouded Sides	2
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Housing Material	Polyester - GF
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Housing Color	Black
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Centerline (Pitch)	2 mm[.079 in]
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Dimensions



Connector Length	14.5 mm[.571 in][.945 in]
Connector Height	11.95 mm[.47 in]
Connector Width	24 mm
PCB Thickness (Recommended)	1.4 mm
PCB Hole Diameter	.05 mm[.001 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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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

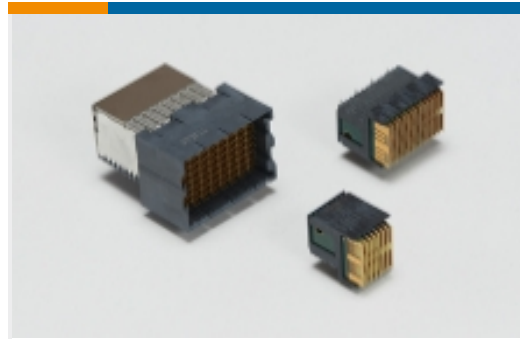


TE Part # 5120789-1
ZP HS3 DB 06R REC 030P LT PD

Also in the Series | Z-PACK HS3



Header & Receptacle Guide Hardware (1)

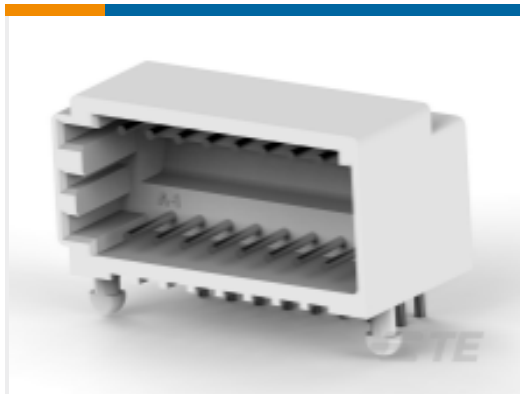


High Speed Backplane Connectors(44)

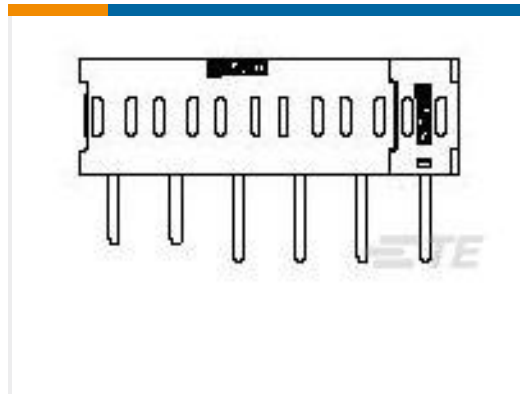


PCB Connector Shrouds(2)

Customers Also Bought



TE Part #2-292138-4
CT 2mm Dbl Row Assembly: Horizontal



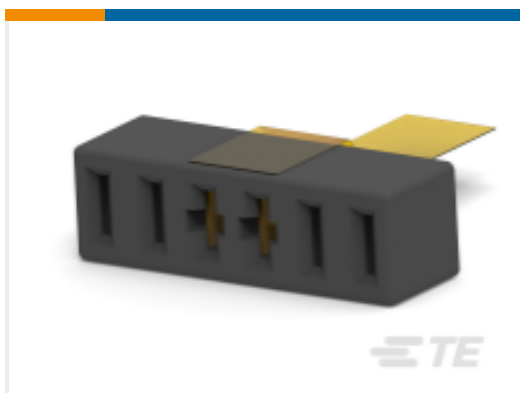
TE Part #6766496-1
CONNECTOR, PIN, RIGHT ANGLE, SOLDER,FLAT



TE Part #1339381-2
MRJ21 SCREWLOCK,RECPT



TE Part #5120658-2
Z-PACK HS3 HDR ASY 10R 100P



TE Part #1926303-1
Cover Connector, FLATPAQ



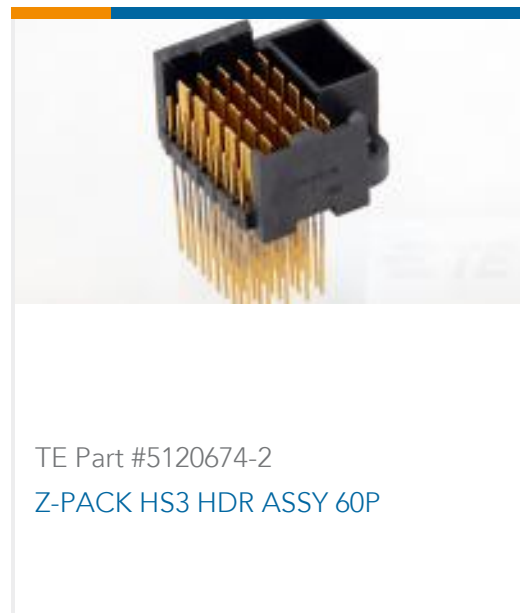
TE Part #5120677-1
Z-PACK HS3 HDR ASSY 6R 30P RH



TE Part #2170707-4
CAGE ASSY, 1X6, QSFP28, SPRING, HS



TE Part #5822134-4
80 ME .050 L/P M/L PB-FREE



Documents

Product Drawings

[Z-PACK HS3 HDR ASSY 30P LH](#)

English

CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG_CVM_CVM_5120678-2_B.2d_dxf.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_5120678-2_B.3d_igs.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_5120678-2_B.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[High Speed Backplane Connectors catalog - Z-PACK HS3 Connector](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English