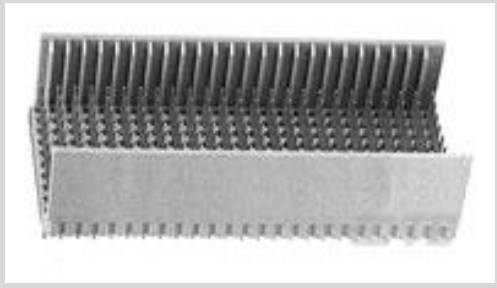




Connectors > PCB Connectors > Backplane Connectors > Hard Metric Backplane Connectors



PCB Connector Type: **PCB Mount Header**

Data Rate: **≤1 Gb/s**

Number of Columns: **25**

Number of Rows: **10**

Backplane Architecture: **Mezzanine**

Features

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Backplane Interface Type	2mm HM
Connector System	Board-to-Board
PCB Connector Type	PCB Mount Header
Sealable	No

Configuration Features

Rows Loaded	A, B, C, D, E, F, G, H, I, Z
Number of Signal Positions	200
Number of Columns	25
Number of Rows	10
Backplane Architecture	Mezzanine
Number of Positions	250
PCB Mount Orientation	Vertical

Signal Characteristics

Crosstalk Version	Standard
Data Rate	≤1 Gb/s

Body Features

Primary Product Color	Gray
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Contact Features

Contact Underplating Material	Nickel
Contact Mating Area Length	5.25 mm, 6.75 mm, 8.25 mm[.207 in][.266 in][.325 in]
Contact Base Material	Phosphor Bronze
CompactPCI Designation	None
PCB Contact Termination Area Plating Material	Tin
Contact Type	Pin
Contact Mating Area Plating Material	Gold (Au), Gold Flash over Palladium Nickel
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Current Rating (Max)	1.5 A

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
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Mechanical Attachment

Connector Mounting Type	Board Mount
Mating Alignment Type	Multi-Purpose Center
Front Mating Level	Level 1

Housing Features

Housing Material	Polyester GF
Centerline (Pitch)	2 mm[.078 in]

Dimensions

Connector Length	50 mm[1.969 in]
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Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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Operation/Application

Shielded	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	10
Packaging Method	Tube



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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

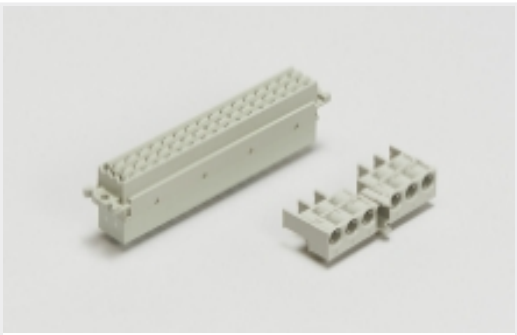
Product Compliance Disclaimer

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>

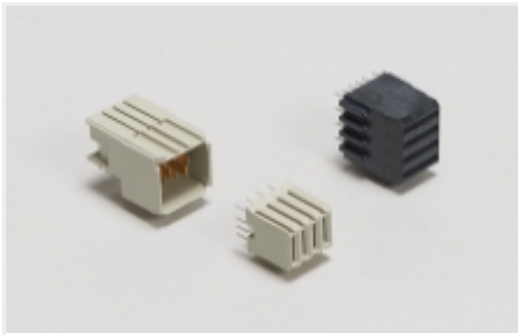
Compatible Parts



Also in the Series | Z-PACK 2mm HM



Backplane Connector Housings(4)



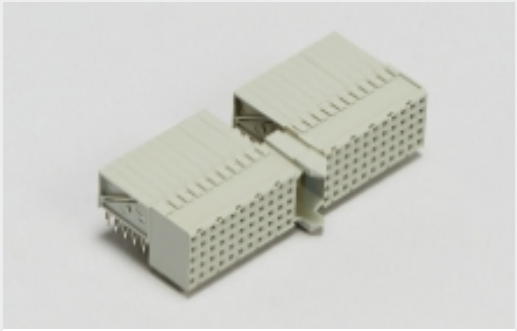
Backplane Power Connectors(1)



Connector Caps & Covers(61)



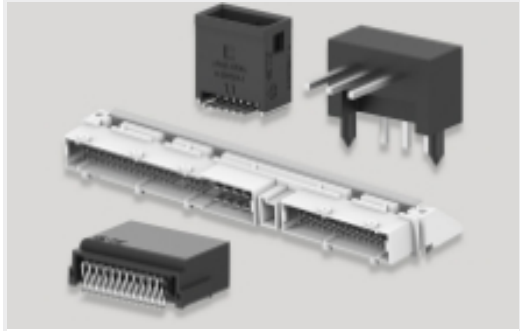
Connector Contacts(1)



Hard Metric Backplane Connectors (273)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(46)



Power Contacts(1)



Rectangular Power Connectors(46)

Customers Also Bought



TE Part #84534-6
1.25MM FFC POST PLATED V 6P



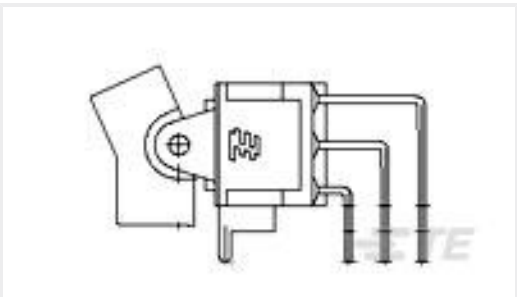
TE Part #3-338088-3
8/8 INV.MOD.JACK LOW HALOGEN



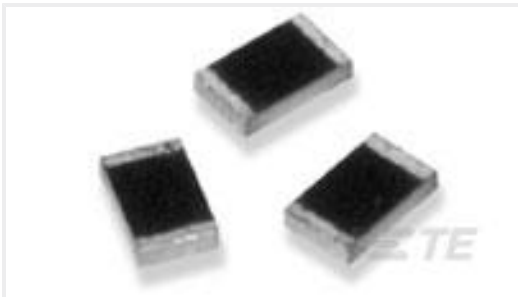
TE Part #1241164-5
2X 5P MOD2A-P STLEI



TE Part #3-1393789-9
V23079A2011B301



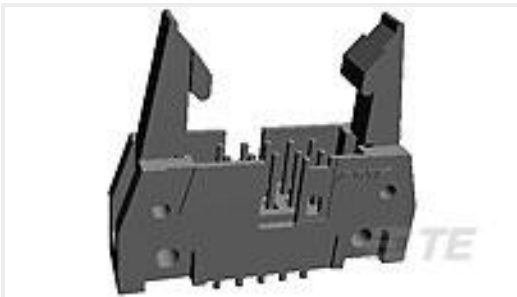
TE Part #7-1571986-2
A101J1AV2Q004AM marking O -



TE Part #4-1879269-9
RP 2A 32R4 0.1% 15PPM CUT LENGTH



TE Part #6116353-8
INV MJ,1X2,PNL GRD,LED (YG/YG)



TE Part #5746443-1
A/L UNIV HDR 10P ACT PIN LAT



Documents

Product Drawings

2MM HM,ASY,T-E,HDR,10R,250,AP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5646376-1_A_c-5646376-1-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5646376-1_A_c-5646376-1-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5646376-1_A_c-5646376-1-a.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