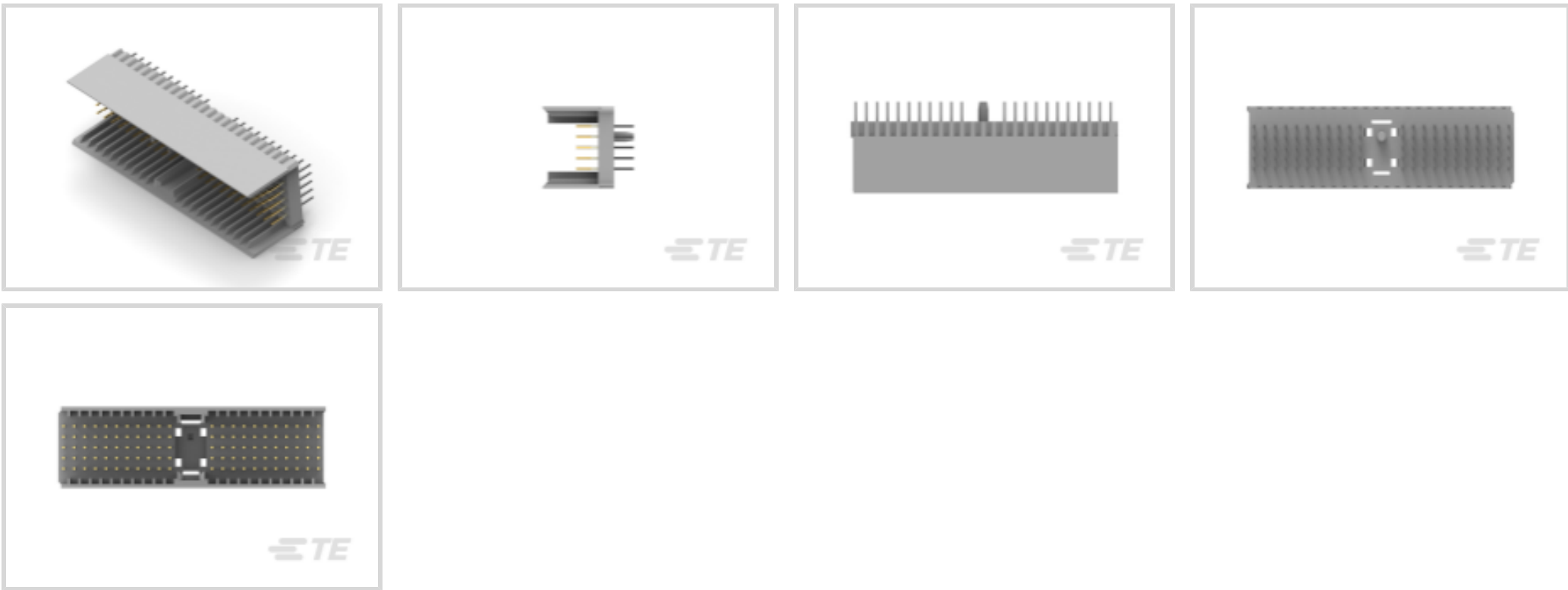




Connectors > PCB Connectors > Backplane Connectors > Hard Metric Backplane Connectors >

Hard Metric Male Connector: Traditional Backplane, Mezzanine, 2mm



EU RoHS Compliance: **Not Compliant**
EU ELV Compliance: **Compliant with Exemptions**
PCB Connector Assembly Type: **PCB Mount Header**
Data Rate: **≤1 Gb/s**
Number of Columns: **25**

[All Hard Metric Male Connector: Traditional Backplane, Mezzanine, 2mm \(124\)](#)

Features

Other

EU RoHS Compliance	Not Compliant
EU ELV Compliance	Compliant with Exemptions

Product Type Features

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

Configuration Features

Rows Loaded	B, C, D, E, A
Number of Columns	25
Number of Rows	5



Backplane Architecture	Mezzanine
Number of Positions	125
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	13.45 mm
Contact Base Material	Phosphor Bronze
CompactPCI Designation	None
PCB Contact Termination Area Plating Material	Tin-Lead
Feedthrough Post Length	3.7 mm
Contact Type	Pin
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.8 μm[31.5 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	PBT GF
Centerline (Pitch)	2 mm[.078 in]

Dimensions

Backplane Module Length	50 mm
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Usage Conditions

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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	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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (13% in Component Part) 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	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

TE Part # 100147-1
Z-PACK/A F-HDR.110P

Also in the Series | Z-PACK 2mm HM

Backplane Connector Housings(4)

Backplane Power Connectors(1)

Connector Caps & Covers(62)

Connector Contacts(2)

Connector Hardware(91)

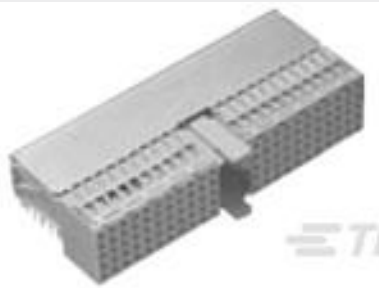
Hard Metric Backplane Connectors (267)

High Speed Backplane Connectors(1)

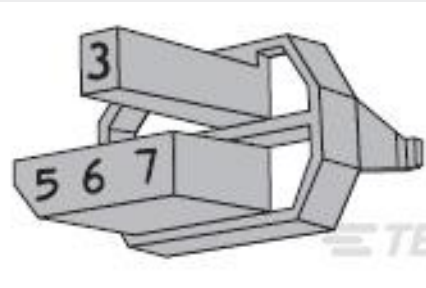
Insertion & Extraction Tools(2)

PCB Headers & Receptacles(46)

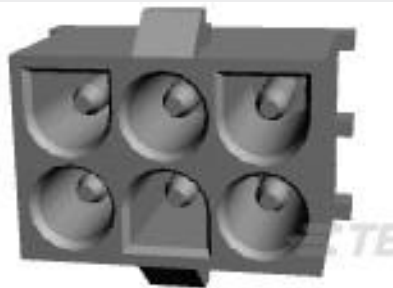
Customers Also Bought



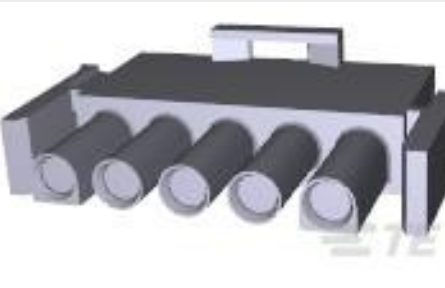
TE Part #100147-1
Z-PACK/A F-HDR.110P



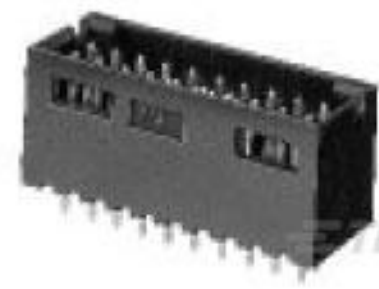
TE Part #3-100526-2
Z-PACK F.CODING KEY



TE Part #350711-1
06P UMNL PIN HDR ASSY 94V0



TE Part #350809-1
05P UMNL PLUG HSG



TE Part #5-103168-5
14 MODII HDR DRST SHRD .100CL



TE Part #66101-1
III+ SKT,18-16,30AU>10,LP



TE Part #5-1625867-3
RP 1J 0.166W 21R5 0.1% 25PPM 1K RL



TE Part #YDTS26F25-19SEV001
PLUG ASSY



TE Part #1-770966-0
02P MINI UMNL R/A HDR ASSY SN

Documents

Product Drawings

PACK/A MALE HDR 110P, 2MM HM

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_100143-1_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_100143-1_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_100143-1_K.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages



Stacking Connectors Quick Reference Guide (English)

English

Product Specifications

Application Specification

English

Instruction Sheets

INSERTION TOOL FOR Z-PACK 2mm HM CONN.

Japanese

Instruction Sheet (non U.S.)

Japanese