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Hard Metric Backplane Male Connector: Right Angle, Coplanar, 2mm



PCB Connector Type: **PCB Mount Header**

Data Rate: **≤1 Gb/s**

Number of Columns: **25**

Number of Rows: **5**

Backplane Architecture: **Mezzanine**

[All Hard Metric Backplane Male Connector: Right Angle, Coplanar, 2mm \(20\)](#)

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

Number of Columns	25
Number of Rows	5
Backplane Architecture	Mezzanine
Number of Positions	125
PCB Mount Orientation	Right Angle

Signal Characteristics



Crosstalk Version	Standard
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Data Rate	≤1 Gb/s
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Body Features

Primary Product Color	Gray
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Contact Features

Contact Underplating Material	Nickel
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Contact Base Material	Phosphor Bronze
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CompactPCI Designation	None
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PCB Contact Termination Area Plating Material	Tin
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Feedthrough Post Length	3.7 mm
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Contact Type	Pin
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Contact Mating Area Plating Material	Gold (Au), Gold Flash over Palladium Nickel
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Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
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Contact Current Rating (Max)	1.5 A
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Termination Features

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

Connector Mounting Type	Board Mount
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Front Mating Level	Level 1
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Housing Features

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

Backplane Module Length	50 mm
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Usage Conditions

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

Shielded	No
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Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	11
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	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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

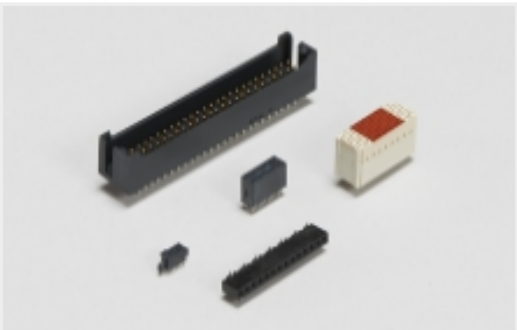
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 5100145-1
Z-PACK/B25 RAF 125P

TE Part # 122561-1
SUPPORT ANVIL 2MM H.M. 7 ROW

Also in the Series | Z-PACK 2mm HM



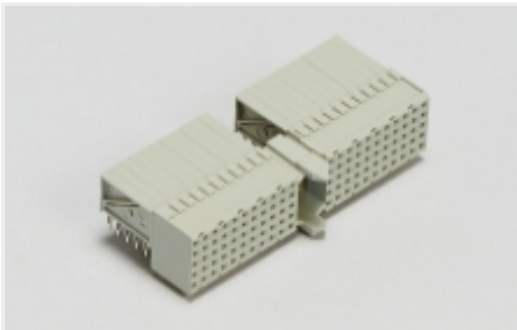
Board-to-Board Headers & Receptacles(46)



Connector Contacts(2)



Connector Hardware(91)



Hard Metric Backplane Connectors (266)



Power Contacts(2)



Rectangular Power Connectors(46)

Customers Also Bought



TE Part #1888617-1
Cage Assy, QSFP, Through Bezel



TE Part #2110819-1
QSFP+ Enh EVERCLEAR PT Conn



TE Part #5100145-1
Z-PACK/B25 RAF 125P



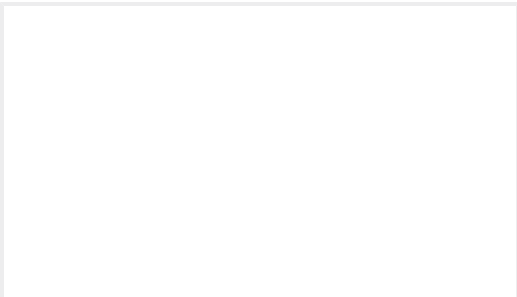
TE Part #1761028-3
50 50SR R/A RCPT ASSY,LEAD FRE



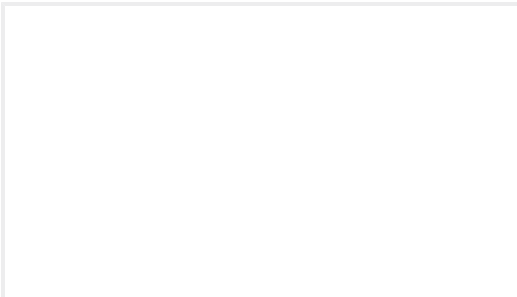
TE Part #1877285-2
02P EP SHRD HDR ASMY, WHITE



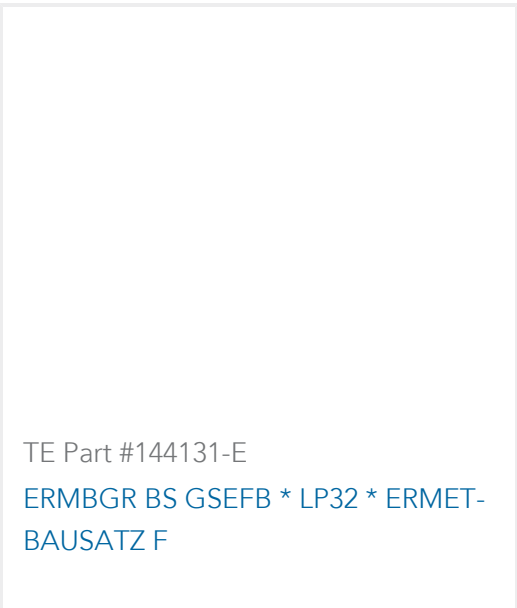
TE Part #HPP845E031R1
I.C 21D RH/T B1500



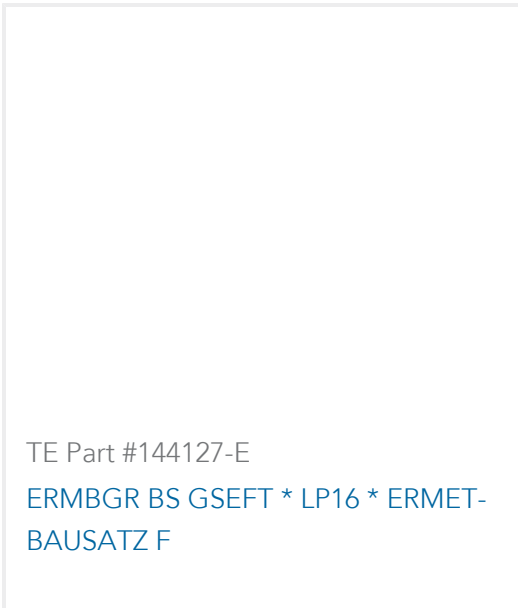
TE Part #114114-E
ERMB22 110 FS 1 EE * 3,70 A-E V-V * * 24



TE Part #923767-E
ERMB 150 MI 1 L1 * 3,50 A-F V-V 9999 * 2



TE Part #144131-E
ERMBGR BS GSEFB * LP32 * ERMET-BAUSATZ F



TE Part #144127-E
ERMBGR BS GSEFT * LP16 * ERMET-BAUSATZ F

Documents



Product Drawings

Z-PACK/B RAMH.125P.

English

CAD Files

Customer View Model

ENG_CVM_CVM_5106014-1_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5106014-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5106014-1_A.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English