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HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm



PCB Connector Assembly Type: **PCB Mount Receptacle**
Data Rate: **≤1 Gb/s**
Number of Columns: **11**
Number of Rows: **5**
Backplane Architecture: **Mezzanine**
[All HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm \(48\)](#)

Features

Product Type Features

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

Configuration Features

Rows Loaded	A, B, C, D, E
Number of Columns	11
Number of Rows	5
Backplane Architecture	Mezzanine
Number of Positions	55
PCB Mount Orientation	Right Angle



Signal Characteristics

Crosstalk Version	Standard
Data Rate	≤1 Gb/s

Body Features

Primary Product Color	Gray
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Contact Features

Contact Mating Area Length	3.7 mm
Feedthrough Post Length	3.7 mm
CompactPCI Designation	None
Contact Type	Socket
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Contact Current Rating (Max)	1.5 A

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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Mechanical Attachment

Mating Alignment Type	Guide Lugs
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Backplane Module Length	25 mm
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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	Power & Signal



Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	22
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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 # 106012-1
Z-PACK/C RAMH. 55P.

TE Part # 100159-1
2MM HDR, 55 POS EXTN MOD

TE Part # 122559-1
SEATING TOOL 2MM HM 7 ROW

TE Part # 646480-2
2MM H.M., C SHROUD 3.9MM

TE Part # 352674-2
ZP,HSN 22MM LIF SHR

TE Part # 646480-1
2MM H.M., C SHROUD 3MM

Also in the Series | Z-PACK 2mm HM

Backplane Connector Housings(4)

Backplane Power Connectors(6)

Connector Caps & Covers(62)

Connector Contacts(2)

Connector Hardware(97)

Hard Metric Backplane Connectors
(267)

High Speed Backplane Connectors(1)

Insertion & Extraction Tools(2)

Rectangular Power Connectors(87)

Customers Also Bought



TE Part # 100143-1
Hard Metric Male Connector:
Traditional Backplane, Mezzanine,
2mm

TE Part # 350827-1
06P UMNL HDR ASSY PC 94VO

TE Part # 6-100525-3
CODING DEV INSRT COLOR
ORANGE

TE Part # 3-2176339-8
CRGCQ 0603 12K 1%

TE Part # 2-2176331-5
CRGP 2512 1K0 1%

TE Part # 1734328-1
Mini USB AB R/A,Rcpt,SMT,TRAY

TE Part # 3-644695-2
02P MTA100 STR HDR RETENTIVE

TE Part # 9-1393646-4
V42254B7200C933=PC612 MESSERLE

TE Part # RXM-GPS-RM-T
Module RM L1 GPS RX RCVR T&R

Documents

Product Drawings
Z-PACK/C F-HDR 55P

English

CAD Files
3D PDF

English

Customer View Model
ENG_CVM_100161-1_H.2d_dxf.zip

English

Customer View Model
ENG_CVM_100161-1_H.3d_igs.zip

English

Customer View Model
ENG_CVM_100161-1_H.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

Instruction Sheets

INSERTION TOOL FOR Z-PACK 2mm HM CONN.

Japanese

Instruction Sheet (non U.S.)

Japanese