1903978-1 ✔ ACTIVE

Z-PACK | Z-PACK 2mm HM

TE Internal #: 1903978-1

PCB Mount Receptacle, Vertical, Board-to-Board, 4 Position, 3 mm [.118 in] Centerline, Fully Shrouded, Gold (Au), Z-PACK 2mm HM

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **4**

Number of Rows: **1**

Centerline (Pitch): **3 mm [.118 in]**

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Type	PCB Mount Receptacle
Connector System	Board-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Columns	4
Number of Loaded Positions	4
Connector Contact Load Condition	Fully Loaded
Number of Positions	4
Number of Rows	1
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel, Perpendicular
Number of Power Positions	4

Electrical Characteristics

Operating Voltage	250 VDC

Body Features

Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material Thickness	.5 – 1.25 µm[19.68 – 49.21 µin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Receptacle
Contact Current Rating (Max)	8 A
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]

Termination Features

Termination Post & Tail Length	2.4 mm[.094 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	Without

Housing Features

Mating Entry Location	Top
Centerline (Pitch)	3 mm[.118 in]
Housing Material	Thermoplastic

Dimensions

Connector Width	6 mm[.236 in]
Connector Height	12.15 mm[.478 in]
Connector Length	12.55 mm[.494 in]

PCB Thickness (Recommended)	1.4 mm[.05 in]

Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]

Operation/Application

Circuit Application	Power

Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	39
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 2025 (250) 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

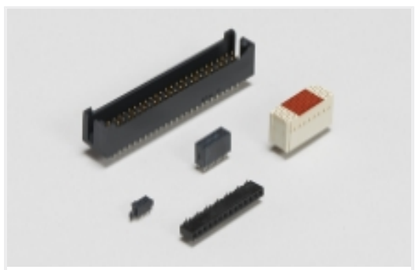
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1903977-1
SLIM UPM 4POS. R/A HDR ASSEMBL

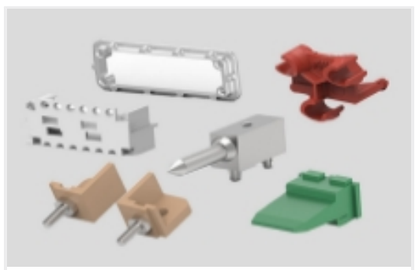
Also in the Series | Z-PACK 2mm HM



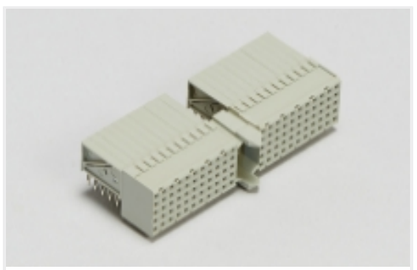
Board-to-Board Headers & Receptacles(46)



Connector Contacts(1)



Connector Hardware(91)



Hard Metric Backplane Connectors (274)



Power Contacts(1)



Rectangular Power Connectors(46)

Customers Also Bought



TE Part #ZPF000000000005872
941-21 B 19



TE Part #3-1393243-2
RTE44012



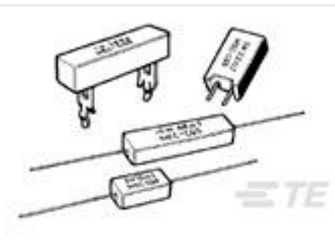
TE Part #3-1445088-0
MICRO MNL HDR ASSY S/ROW AU LF



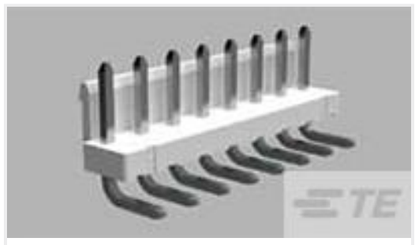
TE Part #2-1445098-9
MICRO MNL HDR ASSY S/ROW AU LF



TE Part #1546311-6
6P .563" DR BARRIER,W/WASHER



TE Part #1623789-2
SQM7 10R 5% (WIRE)



TE Part #8-1744056-2
3.96 EP HDR ASSY 2P R/A HT,TAPE



TE Part #5747462-4
HD-20 RCPT 37P RA 590 THD INS



TE Part #5747467-4
HD-20 PLUG 9P RA 590 THD INS

Documents

Product Drawings

POWER MODULE 4POS. REC. ASSY,

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1903978-1_D2.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1903978-1_D2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1903978-1_D2.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

POWER_CONNECTORS_CATALOG_SEC01_BOARD_TO_BOARD

English

Product Specifications

Application Specification

Japanese

Agency Approvals

Agency Approval Document

English