

Z-PACK 2mm HM

TE Internal #: 5646957-1

PCB Mount Header, Right Angle, Board-to-Board, 7 Position, 3 mm
[.118 in] Centerline, Fully Shrouded, Gold, Through Hole - Press-Fit,
Z-PACK 2mm HM

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Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**
EU ELV Compliance: **Compliant**
PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Right Angle**
Connector System: **Board-to-Board**

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Type Features

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

Configuration Features

Number of Loaded Positions	7
Number of Power Positions	7
PCB Mount Orientation	Right Angle
Number of Positions	7
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features



Primary Product Color	Gray
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
PCB Contact Termination Area Plating Material Thickness	.5 – 1.25 µm[19.68 – 49.21 µin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Type	Blade
Contact Current Rating (Max)	10 A

Termination Features

Termination Post & Tail Length	3.22 mm[.126 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

PCB Mount Alignment Type	Pegs
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	Without

Housing Features

Housing Material	Polyester
Centerline (Pitch)	3 mm[.118 in]

Dimensions

Connector Width	24 mm[.944 in]
PCB Thickness (Recommended)	1.4 mm[.055 in]
Connector Height	9.7 mm[.381 in]
Connector Length	22.34 mm[.88 in]

Usage Conditions

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



Operation/Application

Circuit Application	Power
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Industry Standards

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

Packaging Features

Packaging Quantity	23
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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2022 (224) 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 # 5223995-4
UPM EXPANDED RECEPTACLE
ASSEMB

Also in the Series

Z-PACK 2mm HM

Board-to-Board Headers &
Receptacles(46)

Connector Contacts(2)

Connector Hardware(91)

Hard Metric Backplane Connectors
(267)

High Speed Backplane Connectors(1)

Power Contacts(2)

Customers Also Bought

TE Part #120953-4
UPM EXPANDED RCPT ASSEMBLY

TE Part #6469085-1
HMZD 3PAIR, HDR ASSY, 25MM MOD

TE Part #9-1879336-1
CPF 0603 2K0 1% 50PPM 1K RL

TE Part #7-1879501-3
CRGH2512 5% 1K0 2W

TE Part #3-2106003-4
Connector, SMT-IDC, 4 POS, 24 AWG

TE Part #2-1879213-8
CPF 0402 49R9 0.1% 25PPM 1K RL

TE Part #ZPF0000000000007215
983-0RS 14-12 PN

TE Part #4-1879501-9
CRGH2512 5% 100R 2W



Documents

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_5646957-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_5646957-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_5646957-1_A.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

2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1

English

Product Specifications

Engineering Report

English