

Z-PACK 2mm HM

TE Internal #: 5646958-1
PCB Mount Header, Right Angle, Board-to-Board, 8 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



PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Right Angle**
Connector System: **Board-to-Board**
Number of Positions: **8**
Number of Rows: **1**

Features

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 Power Positions	8
Number of Loaded Positions	8
PCB Mount Orientation	Right Angle
Number of Positions	8
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Gray
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Contact Features

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

Termination Features

Termination Post & Tail Length	3.19 mm[.125 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Length	22.34 mm[.88 in]
Connector Height	9.7 mm[.381 in]
Connector Width	27 mm[1.063 in]
PCB Thickness (Recommended)	1.4 mm[.055 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
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	21
Packaging Method	Tube

Product Compliance

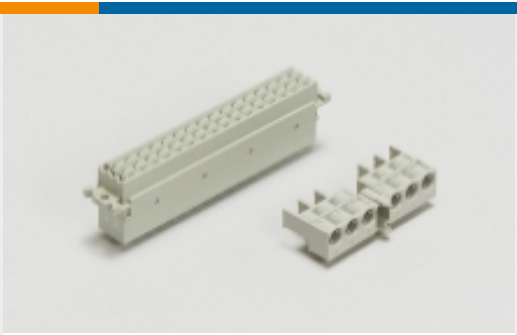
For compliance documentation, visit the product page on [TE.com](#)>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Out of Scope
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: JAN 2022 (223) 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

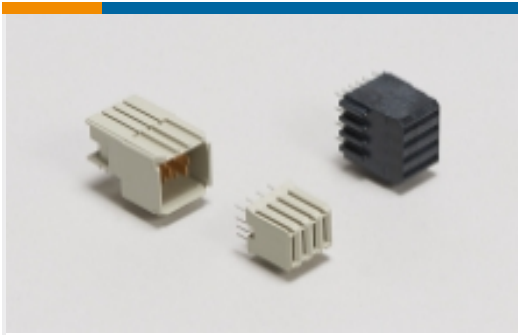
Product Compliance Disclaimer

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>

Also in the Series | [Z-PACK 2mm HM](#)



Backplane Connector Housings(4)



Backplane Power Connectors(6)



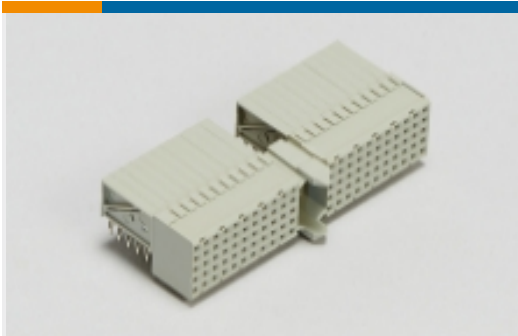
Connector Caps & Covers(62)



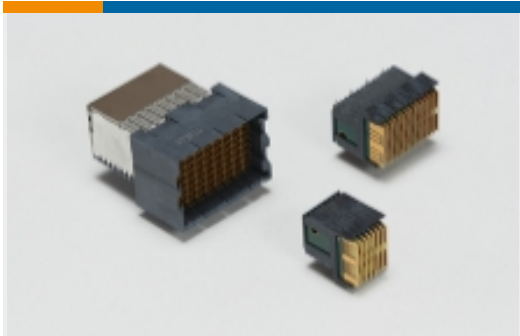
Connector Contacts(2)



Connector Hardware(97)



Hard Metric Backplane Connectors (267)



High Speed Backplane Connectors(1)

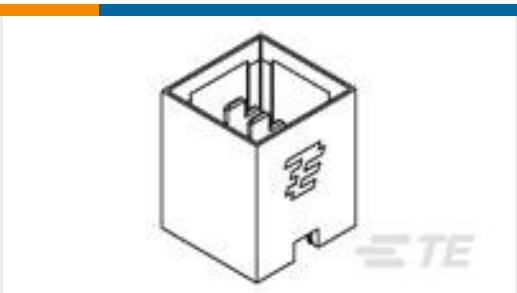


Insertion & Extraction Tools(2)



PCB Headers & Receptacles(87)

Customers Also Bought



TE Part #1645498-2
UNV,PWR,MDL.4 POS. VERT.HDR,
15MM STACK



TE Part #5646955-1
UPM EXPANDED PIN ASSEMBLY



TE Part #5223995-2
UPM EXPANDED RECEPTACLE
ASSEMB



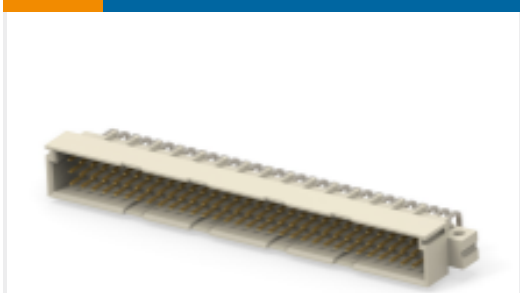
TE Part #1676197-2
RN 0805 15K4 0.1% 10PPM 1KRL



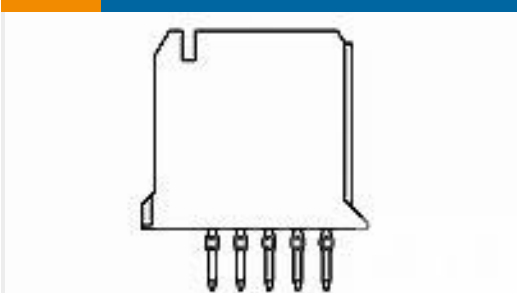
TE Part #8-2176093-0
RP 2A 0.25W 69K8 0.1% 25PPM 1K RL



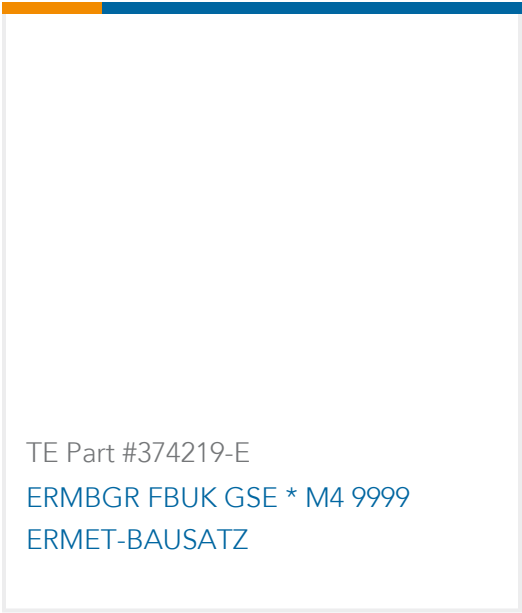
TE Part #2118728-2
STD SHIELD FRAME, CRS-29.36X18.
50X7.00MM



TE Part #374543-E
STVC 96 M ABC VVV 4-00 0606 * * 137
E007



TE Part #5223652-1
2MM FB,5RV,REC,ASY,030,PF,4.25



Documents

Product Drawings

UPM EXPANDED PIN ASSEMBLY

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_5646958-1_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_5646958-1_O.3d_igs.zip

English

Customer View Model

ENG_CVM_5646958-1_O.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