5223977-1 ✔ ACTIVE

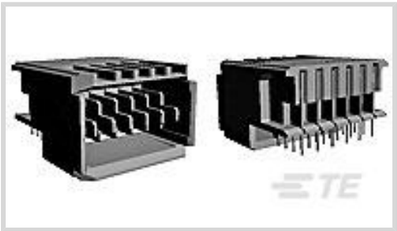
Z-PACK 2mm HM

TE Internal #: 5223977-1

Rectangular Power Connectors, Header, Plug, Board-to-Board, 3 Position, 3 mm [.118 in] Centerline, Printed Circuit Board, UL 94V-0, Z-PACK 2mm HM

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **3**

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

Features

Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	3
Interface Type	2mm HM
PCB Mount Orientation	Right Angle
Number of Power Positions	3
Number of Signal Positions	1
Number of Rows	0

Electrical Characteristics

Operating Voltage	48 VDC

Contact Features

Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze

Contact Current Rating (Max)	10 A
Contact Retention Within Housing	With
Contact Type	Blade
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel
Contact Mating Area Plating Material Thickness	.5 – 1.25 µm[19.68 – 49.21 µin]
Contact Termination Area Plating Thickness	3.81 – 8.89 µm[150 – 350 µin]

Termination Features

Termination Post & Tail Length	3.43 mm[.135 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Mechanical Attachment

PCB Mount Retention Type	Boardlock
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

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

Packaging Features

Packaging Method	Box & Tube, 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 2022 (224) 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

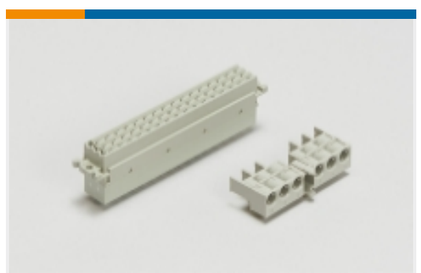
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 5223955-2
TE UPM Ver Receptacle 3P STD Power

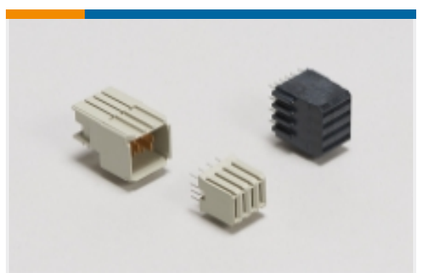
Also in the Series | Z-PACK 2mm HM

Backplane Coding Keys(60)



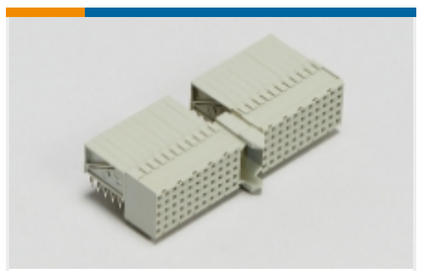
Backplane Connector Housings(4)

Backplane Guide Hardware(37)

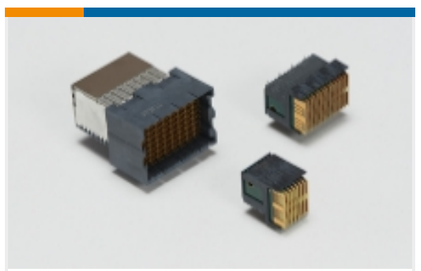


Backplane Power Connectors(6)

Board-to-Board Connector Contacts(2)

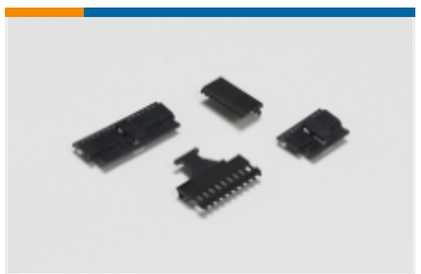


Hard Metric Backplane Connectors (269)



High Speed Backplane Connectors(1)

Insertion & Extraction Tools(2)



PCB Connector Covers(4)

PCB Connector Shrouds(39)

PCB Ferrules & Shields(19)

Rectangular Power Connectors(87)

Documents

Product Drawings

UNIV. POWER MODULE R/A HEADER

English

CAD Files

Customer View Model

ENG_CVM_CVM_5223977-1_O.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5223977-1_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5223977-1_O.3d_stp.zip

English

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

Datasheets & Catalog Pages

2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1

English

Product Specifications

Engineering Report

English

Product Environmental Compliance

TE Material Declaration

English