120943-2 ✔ ACTIVE

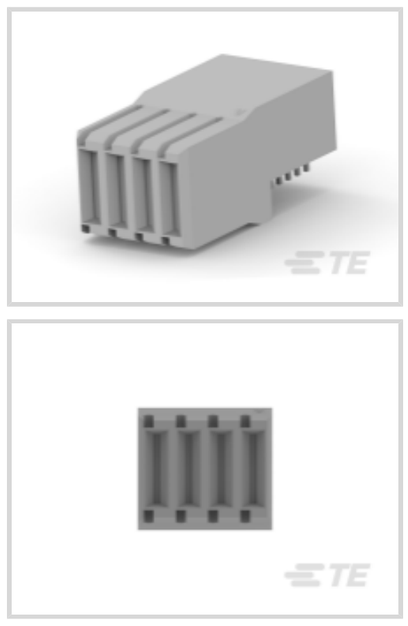
Z-PACK 2mm HM

TE Internal #: 120943-2

PCB Mount Receptacle, Right Angle, 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**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **4**

Number of Rows: **1**

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 Loaded Positions	4
Number of Power Positions	4
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	4

Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC

Body Features

Primary Product Color	Gray

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
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 Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Receptacle
Contact Current Rating (Max)	16 A

Termination Features

Termination Post & Tail Length	2 mm[.079 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Width	25 mm[.984 in]

Connector Height	9.95 mm[.392 in]
Connector Length	12.5 mm[.492 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

Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	38
Packaging Method	Box

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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) 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

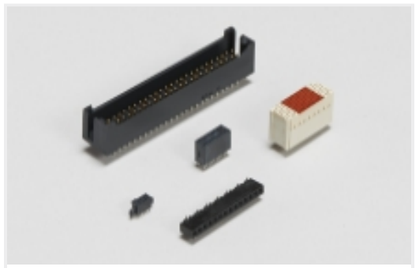
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

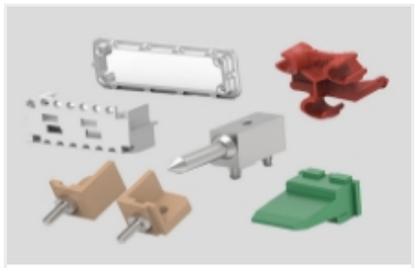
TE Part # 120954-1
TE UPM R/A Header 4P HC Power, LLLL

Also in the Series | Z-PACK 2mm HM

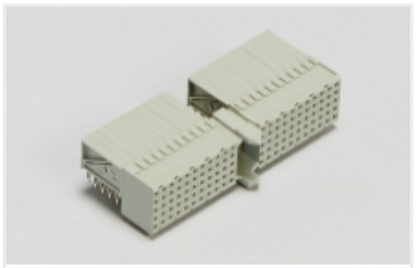


Board-to-Board Headers & Receptacles(46)

Connector Contacts(2)



Connector Hardware(91)



Hard Metric Backplane Connectors (266)

Power Contacts(2)

Rectangular Power Connectors(46)

Customers Also Bought

TE Part #2057439-2
IMP100S,H,V4P8C,RG,OEW39,4.9

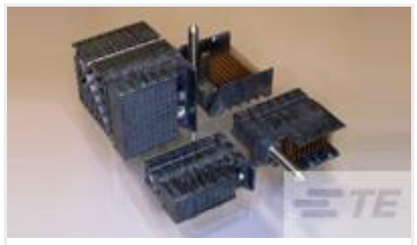
TE Part #2007837-2
IMP100S,H,V4P16C,UG,LEW39,4.9

TE Part #2007723-1
IMP100S,R,RA4P16C,UG,39

TE Part #2057750-2
IMP100S,H,V2P16C,UG,DEW39,4.9

TE Part #2057416-1
IMP100S,R,RA4P8C,RG,39

TE Part #2007836-2
IMP100S,H,V4P16C,UG,OEW39,4.9



TE Part #2057743-2
IMP100S,H,V2P16C,RG,LEW39,4.9

TE Part #120954-1
TE UPM R/A Header 4P HC Power, LLLL

TE Part #100751-1
Z-PACK/N M-HSG 3P.

TE Part #2007884-1
IMP100S,H,V6P10C,UG,OEW39,4.5

Documents

Product Drawings

UPM R/A REC HC 4P Power Connector

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_120943-2_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_120943-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_120943-2_A.3d_stp.zip

English

Datasheets & Catalog Pages

POWER_CONNECTORS_CATALOG_SEC01_BOARD_TO_BOARD

English

Solutions for AdvancedTCA, AdvancedTCA 300, MicroTCA, and AdvancedMC Standards Datasheet 3-1773445-8

English

2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1

English

Product Specifications

Engineering Report

English