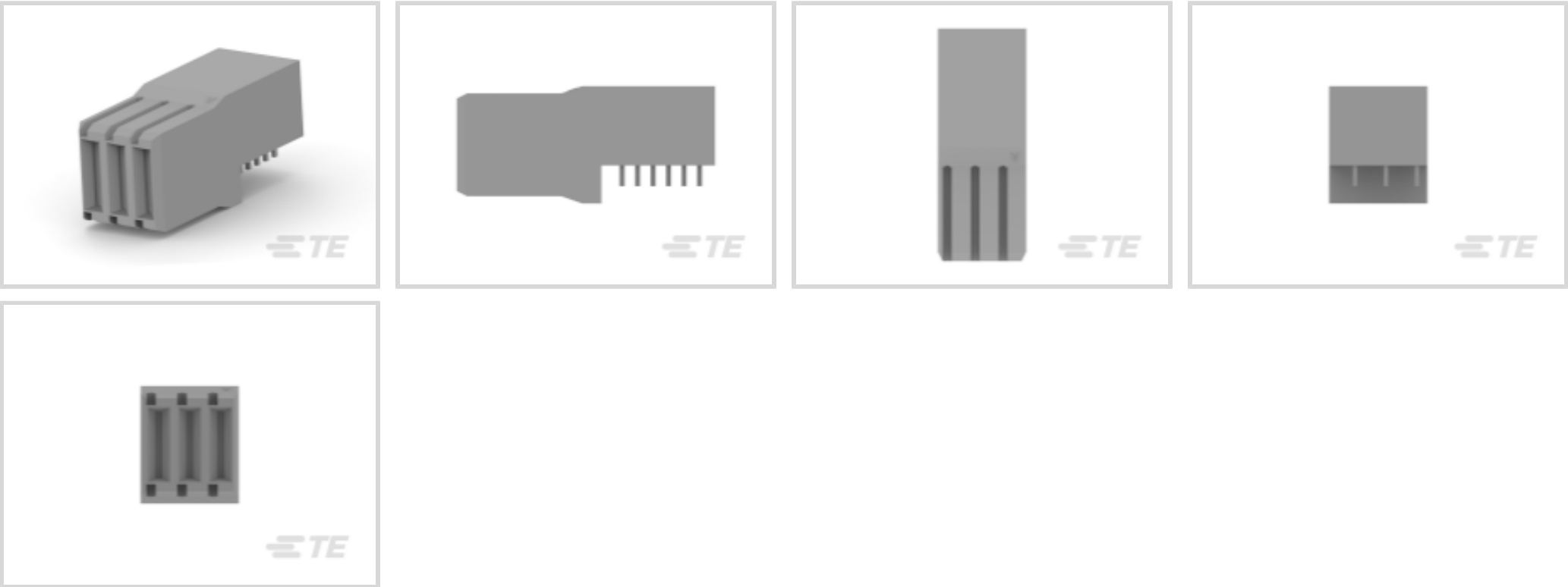




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **3**

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	3
Mating & Unmating Configuration	Hot Pluggable
Number of Power Positions	3
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle



Number of Positions	3
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]
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

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Connector Width	25 mm[.984 in]
Connector Height	9.95 mm[.392 in]
Connector Length	9.5 mm[.374 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

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	50
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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 5-5223961-1  
TE UPM R/A Header 3P HC Power, LLL

Also in the Series | Z-PACK 2mm HM

Backplane Connector Housings(4)

Backplane Power Connectors(1)

Connector Caps & Covers(62)

Connector Hardware(91)

Hard Metric Backplane Connectors  
(266)

Insertion & Extraction Tools(2)

PCB Headers & Receptacles(46)

Rectangular Power Connectors(46)

Customers Also Bought

TE Part #384278-E  
STVB/3 20 M AB VV 4-00 EE \* \* 247  
E007 1

TE Part #454950-E  
M12 FEMALE, A CODE, 5P, 17MM  
SMT

TE Part #6469169-1  
HMZD 2PR RA HDR 40P

TE Part #8-2180760-7  
STRADA MESA,HD,HF,024,000,06,SN,  
Y,37



TE Part #124044-E  
SMCB 26 F AB VV 6-03 CLHD \* H007  
137 E00

TE Part #484790-E  
M12 MALE, A CODE, 4P, 10.5MM SMT

TE Part #5-2180761-1  
STRADA MESA,RC,HF,024,000,06,SN,  
Y,NA

TE Part #5120912-1  
UPM MALE ASSEMBLY, SEQUENCED

TE Part #1-2007492-7  
SFP+assy2x1 EMI Sprg Outer Lp Sn  
Enhance

TE Part #244790-E  
M12 MALE, A CODE, 5P, 17MM SMT

Documents

Product Drawings

UPM R/A REC HC 3P Power Connector

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_120943-1\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_120943-1\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_120943-1\_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

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

120943-1

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



Engineering Report

English