



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **4**

Number of Rows: **1**

Features

Product Type Features

Connector Shape	Rectangular
PCB Connector Type	PCB Mount Header
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
PCB Mount Orientation	Right Angle
Number of Positions	4
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

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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 (Au)
Contact Type	Blade
Contact Current Rating (Max)	8 A

Termination Features

Termination Post & Tail Length	2.4 mm[.094 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Width	8.5 mm[.334 in]
PCB Thickness (Recommended)	1.4 mm[.055 in]
Connector Height	15 mm[.59 in]
Connector Length	29.34 mm[1.15 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	56
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: 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 # 2-1903978-1
POWER MODULE 4POS.REC. ASSY,

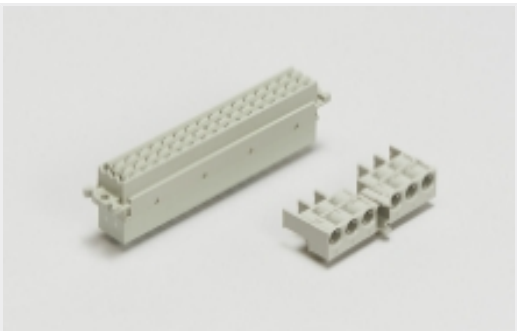


TE Part # 2-1903977-2
SLIM UPM 4POS. R/A HDR ASSEMBLY, SnPb

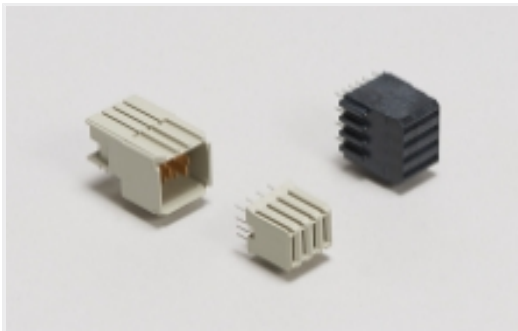


TE Part # 1903978-1
POWER MODULE 4POS. REC. ASSY,

Also in the Series | Z-PACK 2mm HM



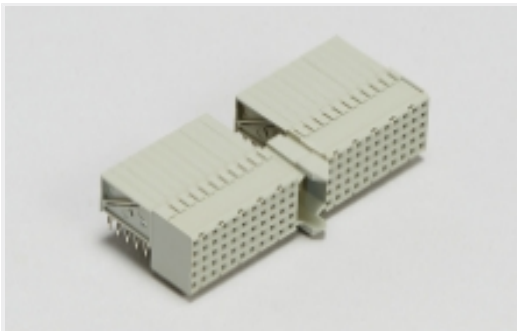
Backplane Connector Housings(4)



Backplane Power Connectors(1)



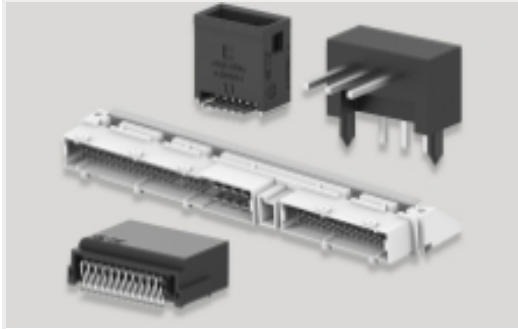
Connector Caps & Covers(62)



Hard Metric Backplane Connectors (266)



Insertion & Extraction Tools(2)

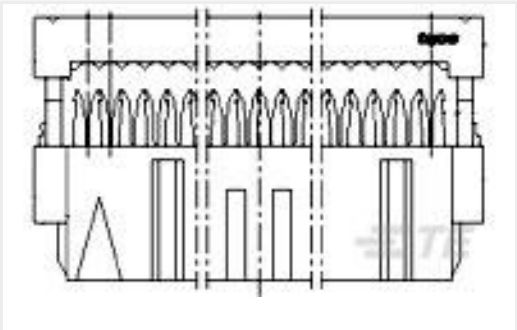


PCB Headers & Receptacles(46)



Rectangular Power Connectors(46)

Customers Also Bought



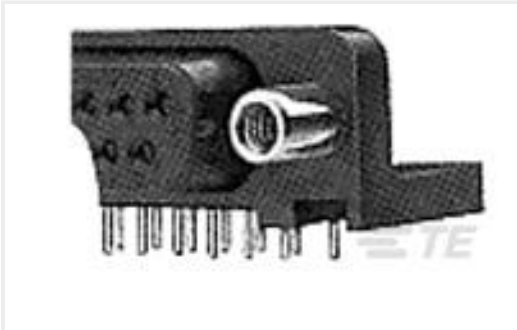
TE Part #2-215911-0
20 WAY GREY MK II RECP



TE Part #6-5330808-5
SOCKET,MIN-SPR SN-AU SER-1



TE Part #2170129-1
Recpt RJ.5 W/O MAG, 1X2 OFFSET



TE Part #5788801-1
25 HTMSFL ASSY RA 318 (SL,BL)



TE Part #3-1462037-1
IM42GR =IM RELAY 100mW 4.5V BIS



TE Part #5747842-4
25 MSFL PLUG RA 318 (IN,FM,BL)



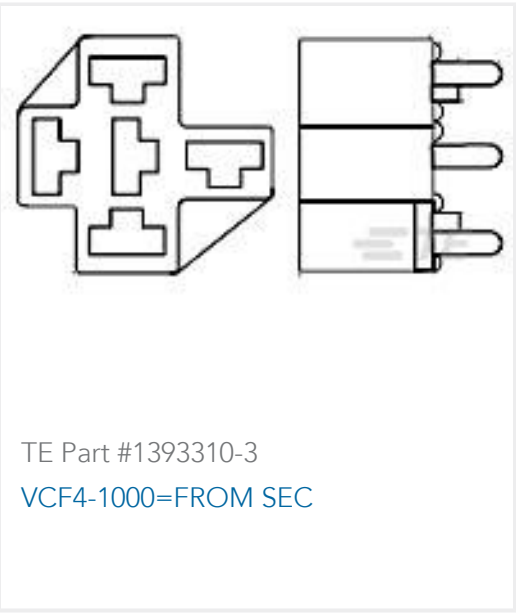
TE Part #1-1625893-0
5W SM M/OX 5% 51K



TE Part #1-6450160-0
MBXL R/A RCPT 2P+24S+2P



TE Part #1658525-9
622-2053LF, PCB IDC, LEAD FREE



TE Part #1393310-3
VCF4-1000=FROM SEC

Documents

Product Drawings

SLIM UPM 4POS. R/A HDR ASSEMBL

English

CAD Files

Customer View Model

ENG_CVM_CVM_1903977-1_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1903977-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1903977-1_E.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

1-1773718-4_POWER_CONNECTORS_QRG_CN

1-1773718-5_POWER_CONNECTORS_QRG_TCN

1-1773718-6_POWER_CONNECTORS_QRG_JA

Japanese

2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1

English

Product Specifications

Application Specification

Japanese

Agency Approvals

Agency Approval Document

English

1903977-1

PCB Mount Header, Right Angle, Board-to-Board, 4 Position, 3 mm [.118 in]
Centerline, Fully Shrouded, Gold (Au), Z-PACK 2mm HM

