

MULTI-BEAM

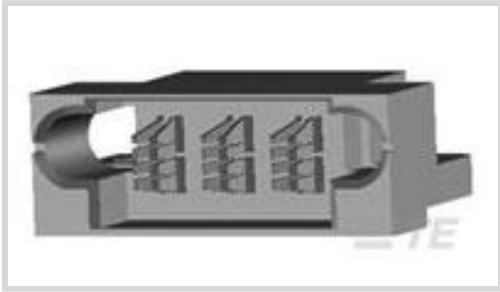
TE Internal #: 6450323-1

Rectangular Power Connectors, Header, Plug, Board-to-Board, 3 Position, 7.62mm [.3in] Centerline, Printed Circuit Board, UL 94V-0

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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): **7.62 mm [.3 in]**

Features

Product Type Features

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
PCB Mount Orientation	Right Angle
Number of Power Positions	3
Number of Signal Positions	0
Number of Rows	1
Board-to-Board Configuration	Right Angle

Electrical Characteristics

Operating Voltage	300 VDC
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Contact Features

Power Contact Base Material	Tin
Contact Current Rating (Max)	42 A
Contact Retention Within Housing	Without
Contact Type	Pin



PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Noble Metal
Contact Mating Area Plating Material Thickness	.076 μm[3 μin]
Underplate Material Thickness	4.25 μm

Termination Features

Termination Post & Tail Length	4.25 mm[.167 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention	Without
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	7.62 mm[.3 in]
Housing Color	Black
Housing Material	High Temperature Thermoplastic

Usage Conditions

Operating Temperature Range	-20 – 105 °C[-4 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	High Temperature Part - Not Glow Wire

Packaging Features

Packaging Method	Box
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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	Not Yet Reviewed
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 2020 (205) Candidate List Declared Against: JUL 2019 (201)



	Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JUL 2019 (201)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

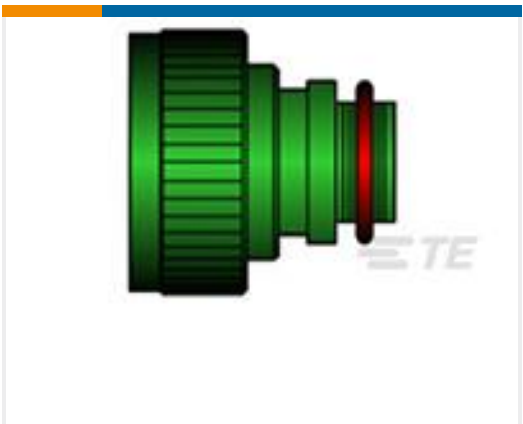


TE Model / Part # 1600606-2
PANEL MT RECPT HSG W/GUIDES P




TE Model / Part # 6450173-1
MBXL R/A RCPT 3ACP+0P


Customers Also Bought



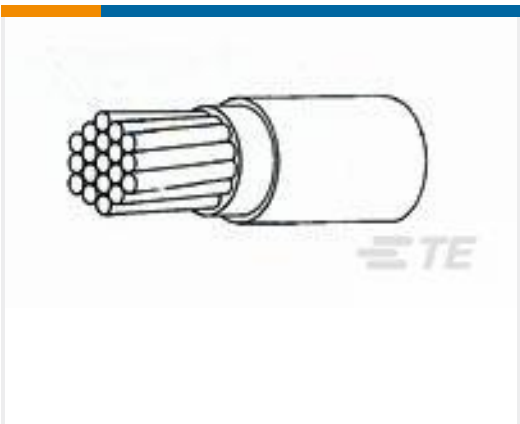
TE Model / Part #422643-000
TXR18AB00-2812AI



TE Model / Part #4-5176837-8
50 AMPMODU 2MM, H, AU, LF



TE Model / Part #306040-001
44AM1121-20-0/2-9



TE Model / Part #282201-000
81044/12-26-4





TE Model / Part #ZPF000000000004854
901-20 RT 2-37-0 PN



TE Model / Part #YAFD54-16-26SZC012
RECP ASSY



TE Model / Part #CL8311-000
44A1131-22-2/5/6-9



TE Model / Part #YDIV44E13-98SBC009
RECP ASSY



TE Model / Part #828179-000
TXR40AB00-1612AI2



TE Model / Part #985511-000
TXR47AB00-2012AI

Documents

Product Drawings

MBXL R/A HDR 3ACP+0P

English

CAD Files

Customer View Model

ENG_CVM_CVM_6450323-1_D2.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6450323-1_D2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6450323-1_D2.3d_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

Application Specification

English