



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors

Product Type: **Connector Assembly**

Housing Type: **Receptacle**

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

Number of Positions: **7**

Centerline (Pitch): **7.62 mm [.3 in]**

Features

Product Type Features

Product Type	Connector Assembly
Housing Type	Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Contact Type	Socket

Configuration Features

Number of Positions	7
PCB Mount Orientation	Vertical
Number of Power Positions	7
Number of Signal Positions	0
Number of Rows	1
Board-to-Board Configuration	Vertical

Electrical Characteristics

Operating Voltage	300 VDC
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Contact Features

Power Contact Material	Tin
Contact Current Rating (Max)	50 A
Contact Retention	Without
Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Noble Metal



Contact Mating Area Plating Thickness .76 µm[30 µin]

Underplate Material Thickness 3.43 µm

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 Without

Connector Mounting Type Board Mount

Housing Features

Centerline (Pitch) 7.62 mm[.3 in]

UL Flammability Rating UL 94V-0

Housing Color Black

Housing Material High Temperature Thermoplastic

Usage Conditions

Operating Temperature Range -40 – 125 °C[-40 – 257 °F]

Operation/Application

Circuit Application Power & Signal

Industry Standards

Glow Wire Rating High Temperature Part - Not Glow Wire

Packaging Features

Packaging Method Tray

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 2019 (197)
Candidate List Declared Against: JAN 2018 (181)

Halogen Content Not Low Halogen - contains Br or Cl > 900 ppm.



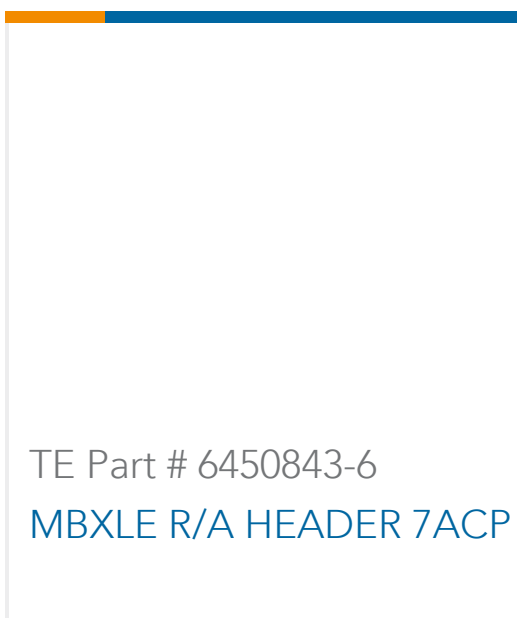
Solder Process Capability

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 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



Also in the Series | MULTI-BEAM XLE



Customers Also Bought




TE Part #1410971-3
MULTIGIG RT T2 7RW H-
LFT RTM



TE Part #1410964-1
MULTIGIG RT T2 .8" BP
FULL CNT



TE Part #2102737-1
BP, Right End, MULTIGIG
RT 2R



TE Part #1-1469492-7
MULTIGIG RT 9MM GUIDE
/ESD 270 DEG



TE Part #1410946-1
MULTI-GIG SOC. CAP
SCREW, CUSTOMIZED
HDW



TE Part #1-1469491-3
MULTIGIG RT GUIDEPIN,
9MM 4.20



TE Part #1410956-1
MULTIGIG RT GUIDEPIN
KIT ASSEMBLY



TE Part #6450843-6
MBXLE R/A HEADER 7ACP



TE Part #6450849-6
MBXLE
2ACP+8S+4ACP+16S+2ACP+12S+2ACP



TE Part #1-6450869-0
V/R
2ACP+8S+4ACP+16S+2ACP+12S+2ACP

Documents

Product Drawings

[MBXLE VERT RCPT 7ACP](#)

English

[MBXLE VERT RCPT 7ACP](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_6450863-5_B3.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6450863-5_B3.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6450863-5_B3.3d_stp.zip](#)

English



Datasheets & Catalog Pages

[2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English