MBXL VERT RCPT 7P ✔ ACTIVE

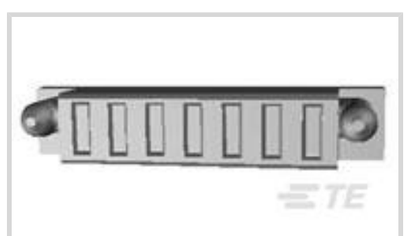
MULTI-BEAM

TE Part # 6450543-3

TE Internal #: 6450543-3

View on TE.com >

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): **6.35 mm [.25 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

Mating & Unmating Configuration	Sequencing
Number of Positions	7
PCB Mount Orientation	Vertical
Number of Power Positions	7
Number of Rows	1
Board-to-Board Configuration	Vertical

Electrical Characteristics

Operating Voltage	200 VDC

Contact Features

Power Contact Material	Tin
Contact Current Rating (Max)	42 A
Contact Retention	Without

Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Noble Metal
Contact Mating Area Plating Thickness	.076 µm[3 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)	6.35 mm[.25 in]
UL Flammability Rating	UL 94V-0
Housing Color	Black
Housing Material	High Temperature Thermoplastic

Usage Conditions

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

Operation/Application

Circuit Application	Power

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	欧洲化学品管理局最新发布的SvHCs候选清单: 2019年1月（197） SvHCs候选清单的声明更新至: 2012年12月（138）

Halogen Content	Not Yet Reviewed for halogen content
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 Part # 6450123-5
MBXL R/A HDR 7P+0S

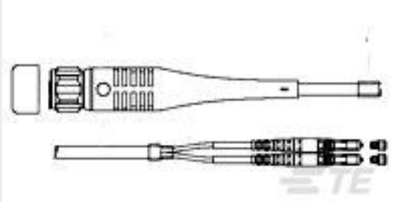
Customers Also Bought



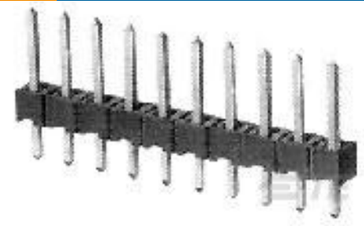
TE Part #1-6450121-5
MBXL R/A HDR 16S+4P



TE Part #1934354-1
TinMan R/A Header Assy 4x8 Double



TE Part #2-1985834-0
FOSM ODC LEAD 5.5 2PLUG-LC/DPX 20.0M



TE Part #4-826629-0
40P AMPMODU II STIFT LEI



TE Part #413986-1
BNC PCB VERTICAL,75 OHM



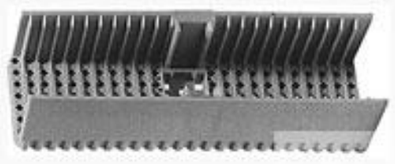
TE Part #5352713-1
Z-PACK/B-HDR, 132 POSN



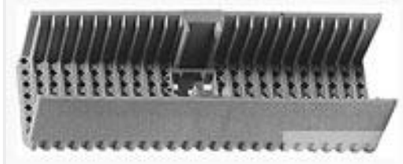
TE Part #5787885-1
200 CMP DCK RA PLG INV SHL 3.4



TE Part #6450123-5
MBXL R/A HDR 7P+0S



TE Part #646481-1
2MM H.M.,B-19 SHROUD 3.0MM



TE Part #646482-1
2MM H.M.,B-22 SHROUD 3.0MM

Documents

Product Drawings

MBXL VERT RCPT 7P

English

CAD Files

Customer View Model

ENG_CVM_CVM_6450543-3_C3.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6450543-3_C3.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6450543-3_C3.3d_stp.zip

English

Datasheets & Catalog Pages

POWER_CONNECTORS_CATALOG_SEC01_BOARD_TO_BOARD

English

2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1

English

Product Specifications

Application Specification

English