

MULTI-BEAM

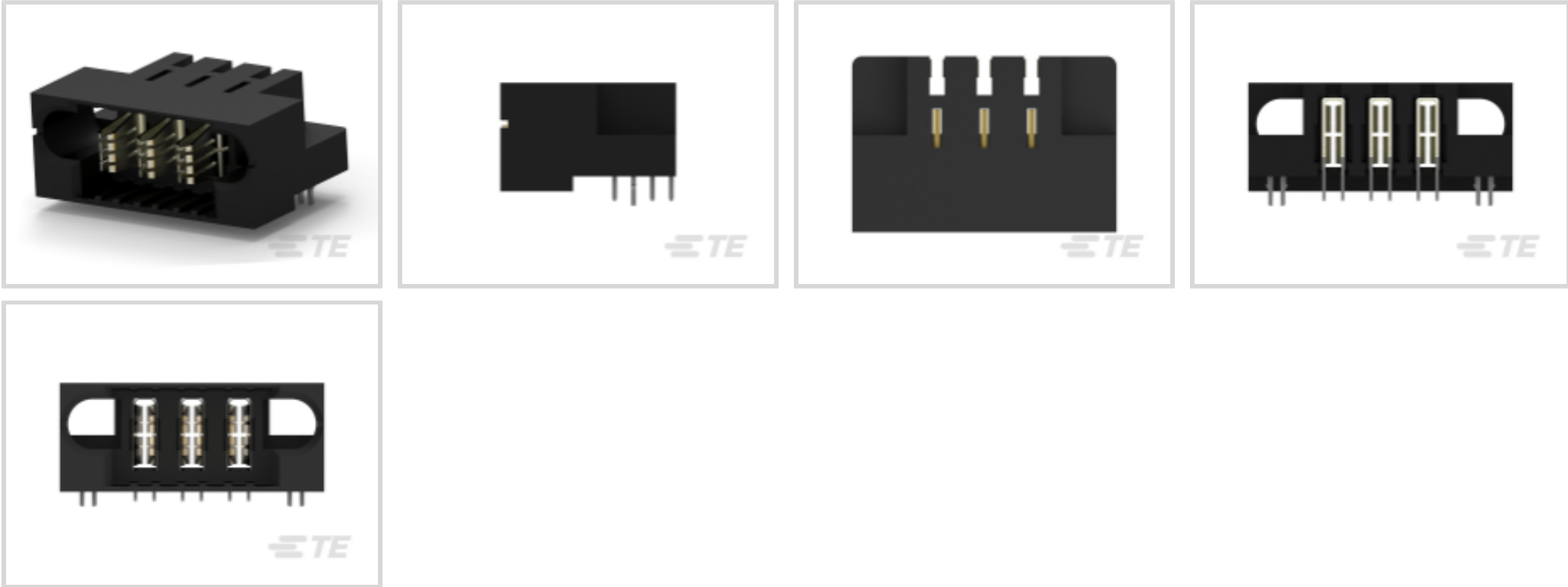
TE Internal #: 6450123-3

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 Rows	1

Electrical Characteristics

Operating Voltage	300 VDC
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Contact Features

Power Contact Base Material	Tin
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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	.76 µm[30 µin]
Underplate Material Thickness	4.19 µm

Termination Features

Termination Post & Tail Length	4.19 mm[.165 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Connector Mounting Type	Board Mount
Mating Retention Type	Boardlock

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 & Signal
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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
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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 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
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 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 # 6450543-6
MBXL VERT RCPT 3ACP

TE Part # 292499-1
PANEL MNT SLIDE TO LOCK CABLE

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

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

Customers Also Bought

TE Part #1-5747871-6
D-Sub Plug Assembly: Standard, Vertical, Shell Size 1, 2.74mm

TE Part #1888174-4
Mini-SAS Shielded Receptacle Assemblies

TE Part #120943-1
UPM R/A REC HC 3P Power Connector

TE Part #1-480711-0
15P UMNL CAP HSG NATL





TE Part #1-480709-0
12P UMNL CAP HSG NATL



TE Part #C32547-000
NC NYLON CLOTH LABELS



TE Part #1-406541-5
MJ,INV,1X1,0PNL G,-.100"ST,SN



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



TE Part #1010-038-0606
SEAL, INTF, 6P, RED-ORG, DTM



TE Part #1478885-2
PG EMC GLAND PG9

Documents

Product Drawings

MBXL R/A HDR 3ACP+0P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6450123-3_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6450123-3_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6450123-3_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

2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1

English

Product Specifications

Application Specification

English



Product Environmental Compliance

[MD_6450123-3_092820161226_dmtec](#)

English

[MD_6450123-3_092820161226_dmtec](#)

English

Agency Approvals

[Agency Approval Document](#)

English