

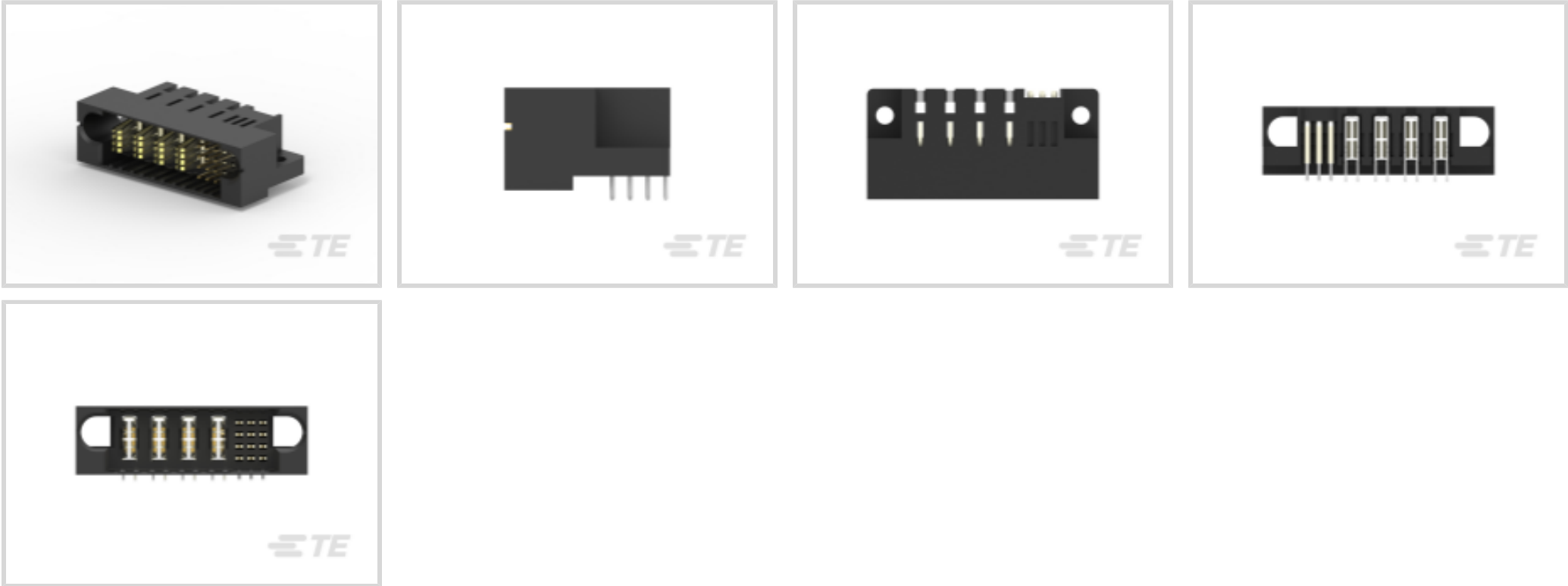
MULTI-BEAM

TE Internal #: 3-6450332-2
PCB Mount Header, Right Angle, Board-to-Board, 16 Position, 2.54 mm / 6.35 mm [.1 in / .25 in] Centerline, Fully Shrouded, Gold (Au)

[View on TE.com >](#)



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: **16**
Number of Rows: **4**

Features

Product Type Features

Mixed & Hybrid Header	Yes
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 Columns	7
Number of Loaded Positions	16
Number of Signal Positions	12
Number of Power Positions	4
PCB Mount Orientation	Right Angle
Number of Positions	16



Number of Rows	4
Electrical Characteristics	
Operating Voltage	60 VDC, 200 VDC
Body Features	
Primary Product Color	Black
Contact Features	
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Size	.64mm
Contact Mating Area Plating Material Thickness	.076 µm[3 µin]
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
Contact Layout	Matrix
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Blade, Tab
Contact Current Rating (Max)	42 A
Termination Features	
Termination Post & Tail Length	3.43 mm[.135 in]
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
Mating Retention	Without
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With
Housing Features	
Housing Material	High Temperature Thermoplastic Glass-



	Filled
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Centerline (Pitch)	2.54 mm, 6.35 mm [.1 in][.25 in]
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Dimensions

Row-to-Row Spacing	2.54 mm [.1 in]
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Connector Width	23.62 mm [.93 in]
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PCB Thickness (Recommended)	2.11 – 2.62 mm [.083 – .103 in]
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Connector Height	14.58 mm [.574 in]
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Connector Length	49.53 mm [1.95 in]
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Usage Conditions

Operating Temperature (Max)	105 °C [221 °F]
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Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

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

Packaging Quantity	55
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Packaging Method	Tray
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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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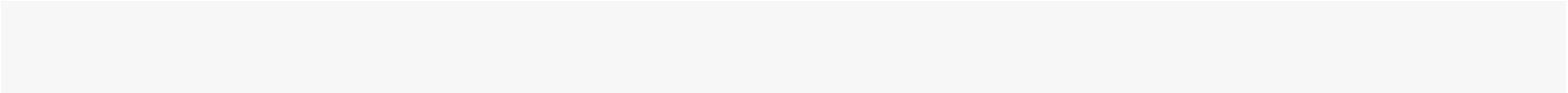
EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not reviewed for solder process capability
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Product Compliance Disclaimer

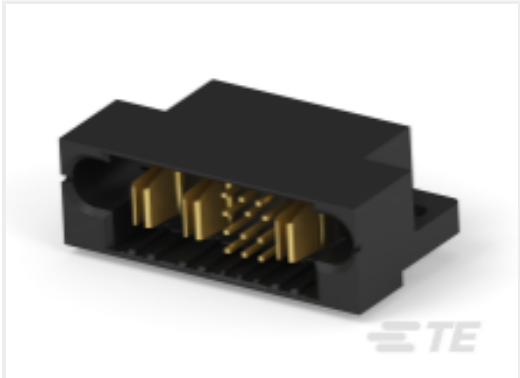
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1-6450162-2
MBXL R/A RCPT 4P+12S

Customers Also Bought



TE Part #1-6600132-5
MBXL R/A HDR DB 2ACP + 12S + 1P



TE Part #1-6600132-0
MBXL R/A HDR DB 1P+16S+1P



TE Part #2391132-3
MB Lite,R/A,HDR,SOLDER,5LP+25S



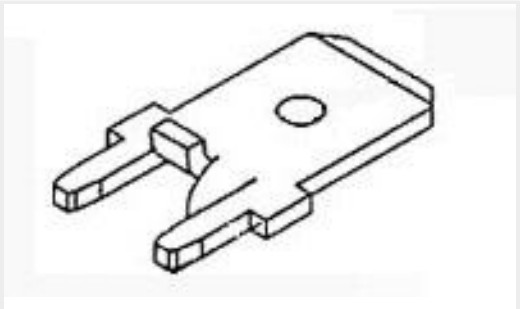
TE Part #1554901-1
SHIELD FINGER 2011 EMBOSS PACKING



TE Part #5-102570-8
20 MODII HDR DRRA SHRD LF



TE Part #292175-4
CT BOX HDR V SMT 4P O/TAPE NAT



TE Part #1217421-1
250 FASTON,PCB TAB,TNBR

TE Part #7-6450830-5
MBXL R/A HDR
3HDP+1LP+24S+1LP+3HDP



TE Part #1766200-1
284-0472-15000E=TA CE STRDDL MN



TE Part #292133-2
CT P/HDR ASSY BOX V 2P W/O KIN

Documents

Product Drawings

MBXL R/A HDR 4P+12S

English

CAD Files

Customer View Model

ENG_CVM_CVM_3-6450332-2_H2.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-6450332-2_H2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-6450332-2_H2.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

English