

MULTI-BEAM | MULTI-BEAM XLE

TE Internal #: 2204188-4

PCB Mount Header, Right Angle, Board-to-Board, 48 Position, 2.54 mm / 6.35 mm [.1 in / .25 in] Centerline, Fully Shrouded, Gold (Au),

MULTI-BEAM XLE

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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: 48

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	24
Number of Columns	ZŦ
Number of Coldinis Number of Loaded Positions	48
Number of Loaded Positions	48
Number of Loaded Positions Number of Signal Positions	48 32
Number of Loaded Positions Number of Signal Positions Number of Power Positions	48 32 16
Number of Loaded Positions Number of Signal Positions Number of Power Positions PCB Mount Orientation	48 32 16 Right Angle
Number of Loaded Positions Number of Signal Positions Number of Power Positions PCB Mount Orientation Number of Positions	48 32 16 Right Angle 48



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	.76 μm[30 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	3.05 mm[.12 in]
Termination Method to PCB	Through Hole - Press-Fit
Mechanical Attachment	
Mating Retention	Without
Mating Alignment Type	Polarization
PCB Mount Retention Type	Hold-Down
PCB Mount Alignment Type	Hold-Down
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With
Housing Features	
Housing Material	High Temperature Thermoplastic Glass- Filled
Centerline (Pitch)	2.54 mm, 6.35 mm[.1 in][.25 in]

Dimensions



Row-to-Row Spacing	2.54 mm[.1 in]
Connector Width	23.62 mm[.93 in]
PCB Thickness (Recommended)	1.35 mm[.053 in]
Connector Height	14.58 mm[.574 in]
Connector Length	138.43 mm[5.45 in]
Usage Conditions	
Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Operation/Application	
Circuit Application	Power & Signal
Industry Standards	
Glow Wire Rating	High Temperature Part - Not Glow Wire
UL Flammability Rating	UL 94V-0
Packaging Features	

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Tray

Product Compliance

Packaging Quantity

Packaging Method

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 2025 (247) Candidate List Declared Against: JUN 2018 (191) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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

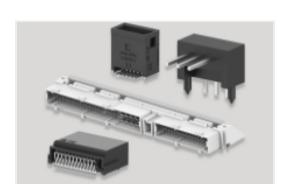


chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may 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-onreach

Also in the Series | MULTI-BEAM XLE



Board-to-Board Headers & Receptacles(97)



PCB Headers & Receptacles(97)



Rectangular Connector Housings(12)



Rectangular Power Connectors (106)



Standard Rectangular Connectors(12)

Customers Also Bought



TE Part #3-1630027-0 HSC300 3R2 5%

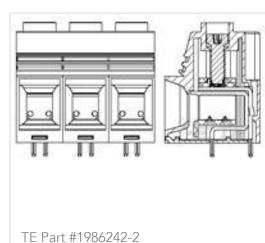
3521 30R 1% 2W



TE Part #5747844-3 09 MSFL RCPT RA 318 (IN,FM,BL)



TE Part #7-1393302-5 V23134B0052C642-EV-CBOX



Power Connector, 15.0mm, Green, 2 posn





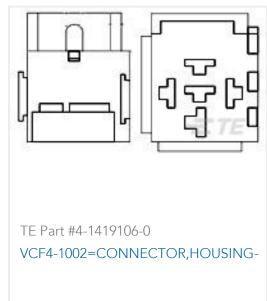




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Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2204188-4_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2204188-4_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2204188-4_1.3d_stp.zip

English

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Product Specifications

Application Specification

English