

2204420-9

✓ ACTIVE

MULTI-BEAM | MULTI-BEAM HD

TE Internal #: 2204420-9

PCB Mount Receptacle, Vertical, Board-to-Board, 36 Position, 2 mm / 5 mm [.079 in / .196 in] Centerline, Fully Shrouded, Gold, MULTI-BEAM HD

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Connectors > PCB Connectors > PCB Headers & Receptacles

PCB Connector Assembly Type: **PCB Mount Receptacle**PCB Mount Orientation: **Vertical**Connector System: **Board-to-Board**Number of Positions: **36**Number of Rows: **5****Features****Electrical Characteristics**

Operating Voltage	60 VDC
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Dimensions

Row-to-Row Spacing	2 mm [.079 in]
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Connector Width	18.3 mm [.72 in]
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PCB Thickness (Recommended)	1.5 mm [.059 in]
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Connector Height	11.4 mm [.45 in]
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Connector Length	47.8 mm [1.88 in]
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Packaging Features

Packaging Quantity	35
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Packaging Method	Tray
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Industry Standards

UL Rating	Recognized
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Glow Wire Rating	High Temperature Part - Not Glow Wire
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UL Flammability Rating	UL 94V-0
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Usage Conditions

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

Mechanical Attachment

Mating Alignment Type	Guide Post
PCB Mount Alignment Type	Hold-Down
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Termination Features

Termination Post & Tail Length	3.2 mm[.126 in]
Termination Method to PCB	Through Hole - Press-Fit

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	.076 µm[3 µin]
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
Contact Type	Receptacle
Contact Current Rating (Max)	93 A, 3.5 A

Housing Features

Housing Material	High Temperature Thermoplastic Glass-Filled
Centerline (Pitch)	2 mm, 5 mm[.079 in][.196 in]

Configuration Features

Number of Columns	12
Number of Loaded Positions	36
Number of Signal Positions	30

Number of Power Positions	6
PCB Mount Orientation	Vertical
Number of Positions	36
Number of Rows	5

Product Type Features

Mixed & Hybrid Header	Yes
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Body Features

Primary Product Color	Black
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Operation/Application

Circuit Application	Power & Signal
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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	Not applicable for solder process capability

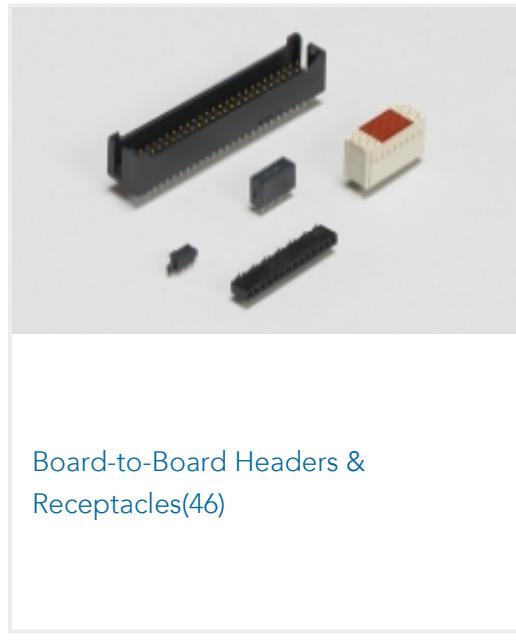
Product Compliance Disclaimer

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 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 # 2204440-8
MULTI-BEAM HD R/A PLUG
15S+3P+3P+15S

Also in the Series | **MULTI-BEAM HD**

Board-to-Board Headers & Receptacles(46)



PCB Headers & Receptacles(46)

Customers Also Bought



TE Part #543382-8
INSERT/EXTRACT TIP 25-KIT



TE Part #4-1825059-1
ADF08ST04=DIP SWT,FLUSH,SMT-GW



TE Part #5-146257-8
16 MODII HDR DRST B/A .100CL L



TE Part #1-1337447-0
BNC Ins BHSkt 50Ohm Nickel Silver Pltd



TE Part #1-2186506-1
T3224-PRINTER-PRINthead-600DPI



TE Part #1-282836-3
TERMI BLOK PCB MOUNT SIDE ENTR



TE Part #2204420-1
MULTI-BEAM HD VERTICAL REC.
15S+2P+2P+15



TE Part #2204420-8
MULTI-BEAM HD VERTICAL REC.
15S+3P+12S



TE Part #2204440-8
MULTI-BEAM HD R/A PLUG
15S+3P+3P+15S



TE Part #ZPF000000000014476
DCIH 21-12 P

Documents

Product Drawings

MULTI-BEAM HD VERTICAL REC. 15S+3P+3P+15

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2204420-9_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2204420-9_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2204420-9_A.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English

Agency Approvals

UL

English