2204452-1 ✔ ACTIVE

MULTI-BEAM | MULTI-BEAM HD

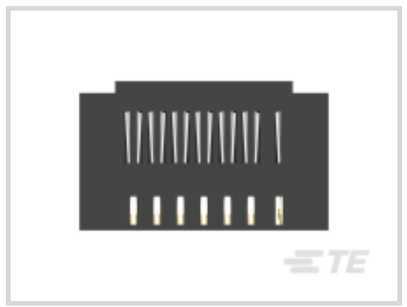
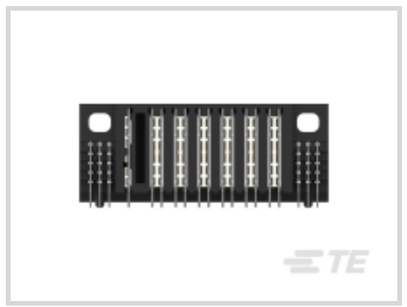
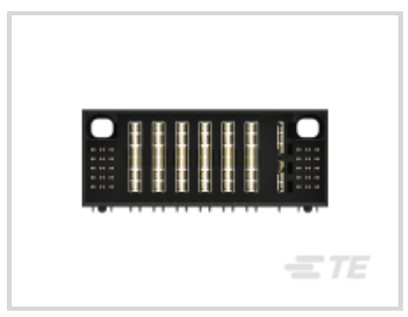
TE Internal #: 2204452-1

PCB Mount Plug, Right Angle, Board-to-Board, 38 Position, 2 mm / 5 mm [.079 in / .196 in] Centerline, Fully Shrouded, Gold (Au), MULTI-BEAM HD

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Plug**

Connector System: **Board-to-Board**

Number of Positions: **38**

Number of Rows: **5**

Centerline (Pitch): **2 mm, 5 mm [.079 in, .196 in]**

Features

Product Type Features

Mixed & Hybrid Header	Yes
Connector Shape	Rectangular
PCB Connector Type	PCB Mount Plug
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	13
Number of Loaded Positions	38
Number of Positions	38
Number of Rows	5
PCB Mount Orientation	Right Angle

Number of Power Positions	8
Number of Signal Positions	30

Electrical Characteristics

Operating Voltage	60 VDC

Body Features

Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
Contact Layout	Matrix
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Blade, Pin
Contact Current Rating (Max)	3.5 A, 75 A
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.076 µm[3 µin]

Termination Features

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

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Width	31.7 mm[1.25 in]
Connector Height	18.9 mm[.74 in]
Connector Length	53 mm[2.08 in]
Row-to-Row Spacing	2 mm[.079 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

Compatible With Agency/Standards Products	UL
UL Rating	Recognized
Glow Wire Rating	High Temperature Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	30
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	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed 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

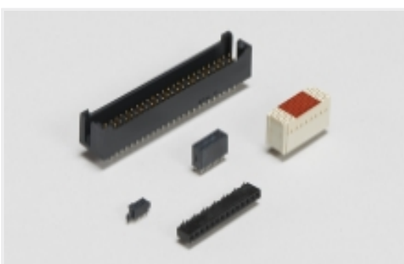


TE Part # 2204422-3
MULTI-BEAM HD VER.REC. 15S+6P+2LP+15S

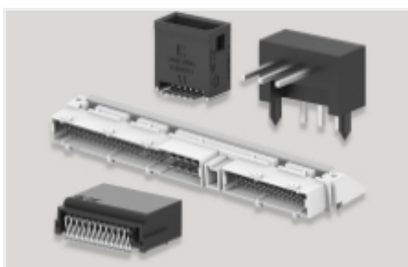


TE Part # 2204452-2
MULTI-BEAM HD R/A PLUG 15S+2LP+6P+15S

Also in the Series | MULTI-BEAM HD



Board-to-Board Headers & Receptacles(46)



PCB Headers & Receptacles(46)



Rectangular Power Connectors(46)

Customers Also Bought



TE Part #D369-R33-AS0
369 3 WAY REC, NO CONTACTS, SKT



TE Part #D369-P33-AP0
369 3 WAY PLUG, NO CONTACTS, PIN



TE Part #2204422-3
MULTI-BEAM HD VER.REC. 15S+6P+2LP+15S



TE Part #2141155-1
PROTEC. COVER 8MM HV,90DEG

Documents

Product Drawings

MULTI-BEAM HD R/A PLUG 15S+6P+2LP+15S

English

MULTI-BEAM HD R/A PLUG 15S+6P+2LP+15S

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2204452-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2204452-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2204452-1_A.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

Agency Approvals

UL

English