

2204452-1 ✓ ACTIVE

[MULTI-BEAM](#) | [MULTI-BEAM HD](#)

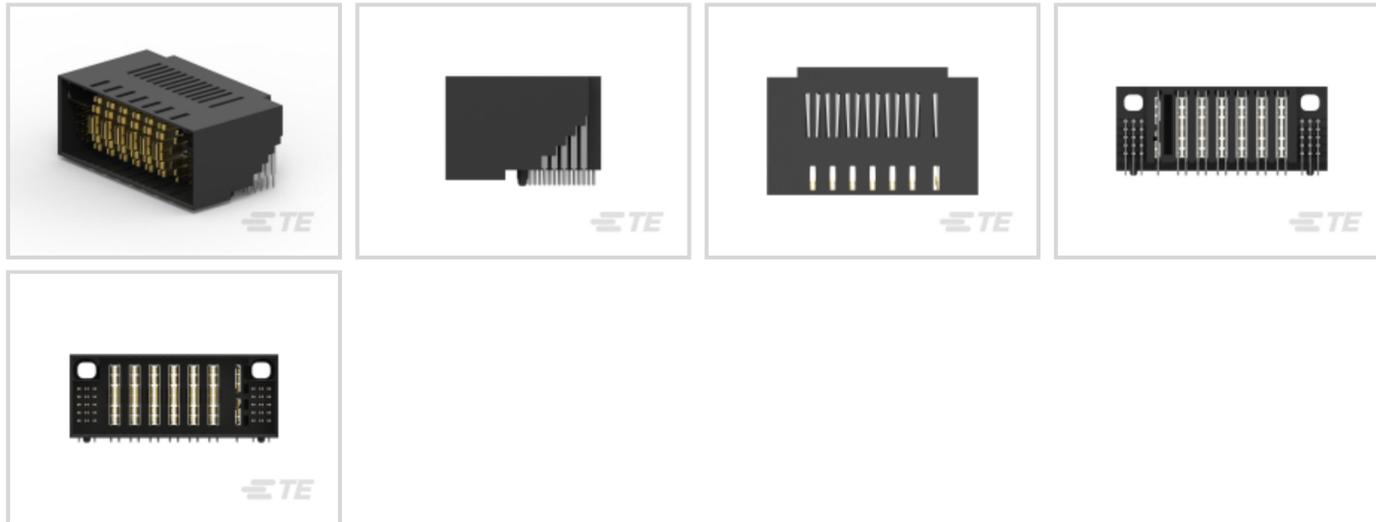
TE Internal #: 2204452-1

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**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **38**

Number of Rows: **5**

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 Signal Positions	30
Number of Power Positions	8
PCB Mount Orientation	Right Angle



Number of Positions	38
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Number of Rows	5
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Electrical Characteristics

Operating Voltage	60 VDC
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Body Features

Primary Product Color	Black
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Contact Features

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

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

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

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



Row-to-Row Spacing	2 mm[.079 in]
Connector Width	31.7 mm[1.25 in]
Connector Height	18.9 mm[.74 in]
Connector Length	53 mm[2.08 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
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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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 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

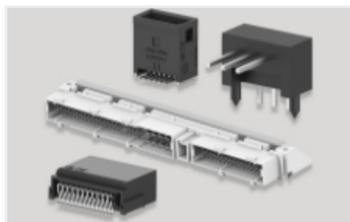


TE Part # 2204452-2
MULTI-BEAM HD R/A PLUG
15S+2LP+6P+15S

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 #1SNK916302R0000
JB16-2



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



TE Part #38941-22L
CONTACTS



TE Part #204351-1
SZ 22 SOCKET CONTACT



TE Part #38946-22L
CONT SOC ASSY



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



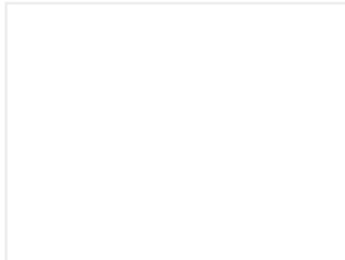
TE Part #D369-P33-AP0
369 3 WAY PLUG, NO CONTACTS,
PIN



TE Part #D369-R66-NS1
369 6 WAY REC, CRIMP, SKT
PIN



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



TE Part #MS27488-22-2
SEALING PLUG

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

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL](#)

English

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