

2204416-1 ✓ ACTIVE

MULTI-BEAM | MULTI-BEAM HD

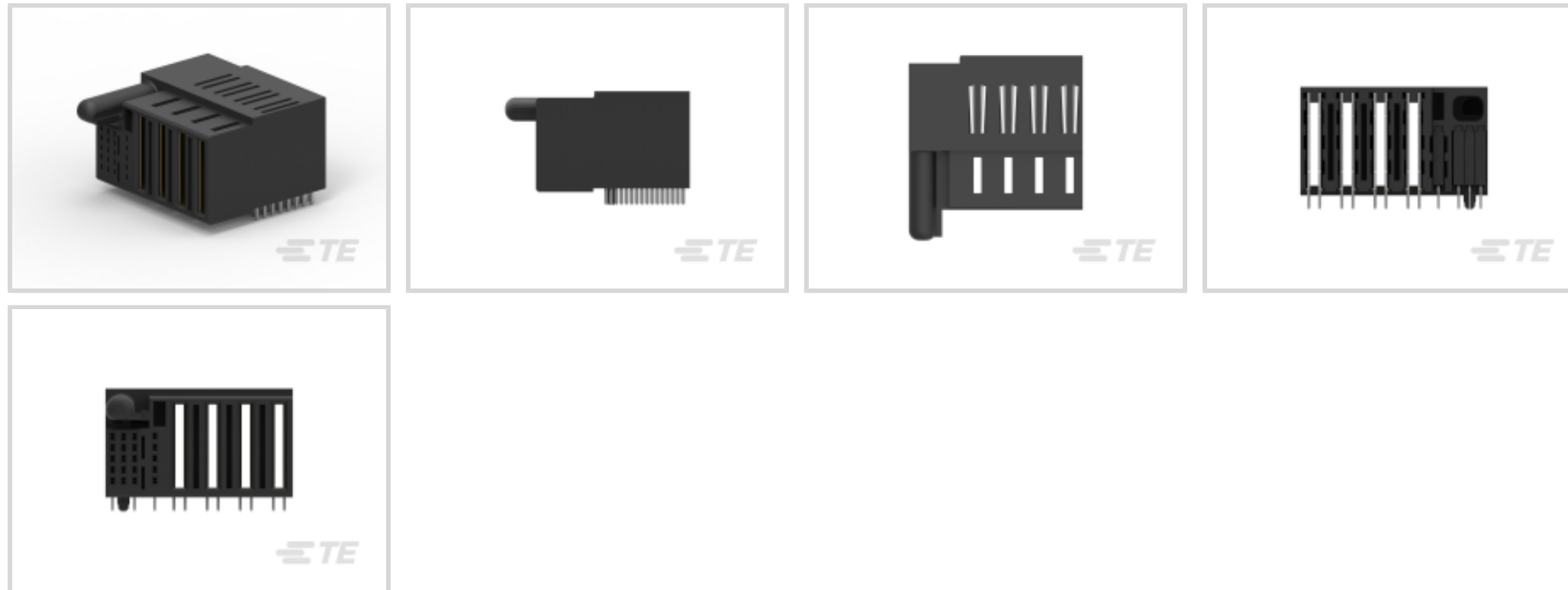
TE Internal #: 2204416-1

PCB Mount Receptacle, Right Angle, Board-to-Board, 24 Position, 2 mm / 6 mm [.079 in / .236 in] Centerline, Fully Shrouded, Gold (Au), MULTI-BEAM HD

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **24**

Number of Rows: **5**

Centerline (Pitch): **2 mm, 6 mm [.079 in, .236 in]**

Features

Product Type Features

Mixed & Hybrid Header	Yes
Connector Shape	Rectangular
PCB Connector Type	PCB Mount Receptacle
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	8
Number of Loaded Positions	24
Number of Positions	24
Number of Rows	5
PCB Mount Orientation	Right Angle



Number of Power Positions	4
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Number of Signal Positions	20
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Electrical Characteristics

Operating Voltage	60 VDC, 200 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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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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Contact Mating Area Plating Material	Gold (Au)
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Contact Type	Receptacle
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Contact Current Rating (Max)	3.5 A, 100 A
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PCB Contact Termination Area Plating Material	Tin
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Contact Mating Area Plating Material Thickness	.076 μm [3 μin]
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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

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

Centerline (Pitch)	2 mm, 6 mm[.079 in][.236 in]
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Housing Material	High Temperature Thermoplastic Glass-Filled
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Dimensions



Connector Height	18.9 mm[.74 in]
Connector Length	33.9 mm[1.33 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
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Industry Standards

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

Packaging Features

Packaging Quantity	20
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 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 # 2204456-1
MULTI-BEAM HD R/A PLUG 4VP+20S
SOLDER

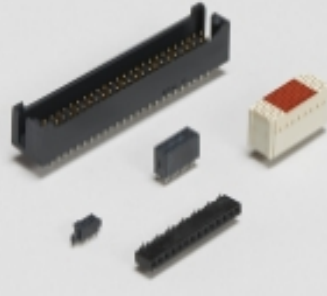


TE Part # 1-2215067-7
ASSY, EXTRACTION TOOL, 1 X 4



TE Part # 2204446-8
MULTI-BEAM HD R/A PLUG 4VP+20S

Also in the Series | MULTI-BEAM HD



Board-to-Board Headers & Receptacles(46)



PCB Headers & Receptacles(46)



Rectangular Power Connectors(46)

Customers Also Bought



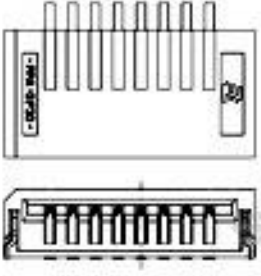
TE Part #1-146762-8
32 MODII RCPT VERT DR



TE Part #3-641149-5
05P MTA156 ASSY 20AWG YEL LF



TE Part #1676411-1
RN 0805 69K8 0.1% 10PPM CUT LENGTH



TE Part #1735360-8
1mm FFC SMT H BOTTOM CONTACT ASSY, 8P



TE Part #8-1879256-8
RP 2B 226R 0.1% 15PPM CUT LENGTH



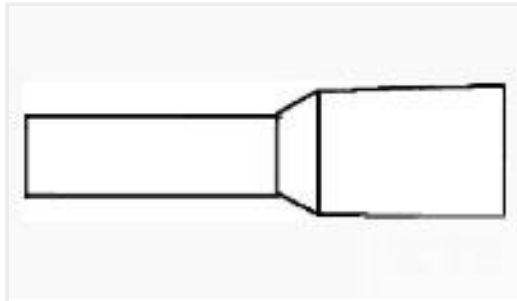
TE Part #2204406-6
MULTI-BEAM HD R/A REC. 4VP+20S



TE Part #2204456-1
MULTI-BEAM HD R/A PLUG 4VP+20S
SOLDER



TE Part #6-146500-6
32 MODII HDR DRST UNSHRD STKG



TE Part #1-966144-2
FER,WIRE,DBL,PL SLV,10.00/8,L14,
RED,LP



TE Part #1445536-1
PLUG,8-1,SM INS,STD KEY

Documents

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2204416-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2204416-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2204416-1_A.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL](#)

English