



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **34**

Number of Rows: **5**

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	10
Number of Loaded Positions	34
Number of Signal Positions	30
Number of Power Positions	4
PCB Mount Orientation	Vertical



Number of Positions	34
Number of Rows	5

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
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 (Au)
Contact Type	Receptacle
Contact Current Rating (Max)	3.5 A, 93 A

Termination Features

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

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

Housing Features

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

Dimensions

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Row-to-Row Spacing	2 mm[.079 in]
Connector Width	18.3 mm[.72 in]
PCB Thickness (Recommended)	1.5 mm[.059 in]
Connector Height	11.4 mm[.45 in]
Connector Length	37.8 mm[1.49 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	49
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

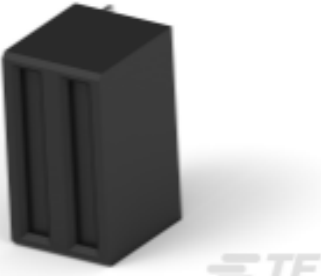
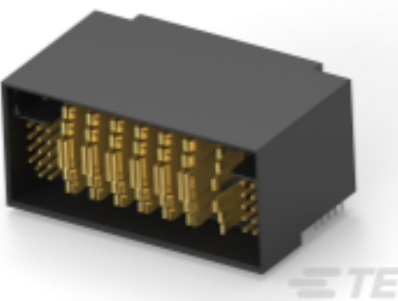
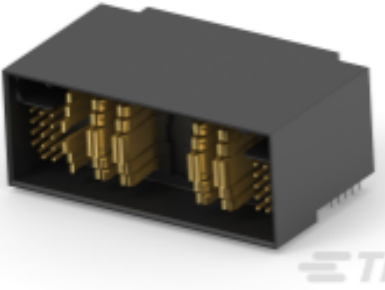
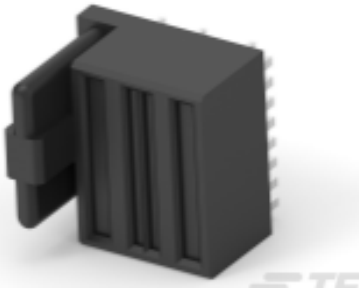
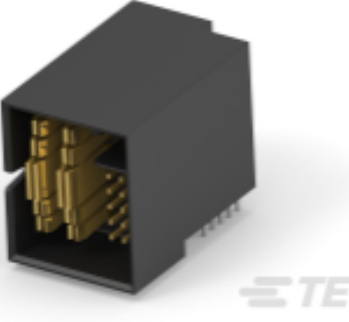
Product Compliance Disclaimer

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

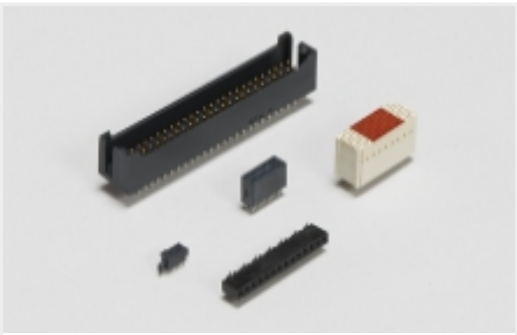


EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical 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>

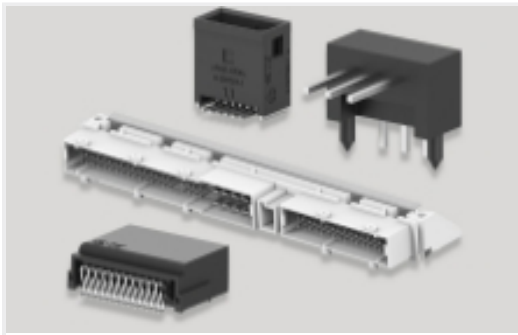
Compatible Parts

 TE Part # 2204862-2 MULTI-BEAM HD VER. REC. 2P+15S EXTEND	 TE Part # 2204423-5 MULTI-BEAM HD VERTICAL REC. 4MP	 TE Part # 2204422-4 MULTI-BEAM HD VER.REC. 15S+2LP+6P+15S	 TE Part # 2204452-2 MULTI-BEAM HD R/A PLUG 15S+2LP+6P+15S
 TE Part # 2204452-4 MULTI-BEAM HD R/A PLUG 15S+2LP+4P+15S	 TE Part # 2204426-7 MULTI-BEAM HD VER.REC. 2P+2LP+2P+20S	 TE Part # 2204456-6 MB HD R/A PLUG 2P+2LP+2P+20S SOLDER	 TE Part # 2204425-1 MULTI-BEAM HD VERTICAL REC. P+MP+P+G
 TE Part # 2204422-6 MULTI-BEAM HD VER.REC. 15S+2LP+4P+15S	 TE Part # 2204452-3 MULTI-BEAM HD R/A PLUG 15S+15S	 TE Part # 2204403-2 MULTI-BEAM HD R/A REC.2P+20S	 TE Part # 2204861-2 MULTI-BEAM HD R/A PLUG 2P+15S EXTEND PLA
 TE Part # 2204440-1 MULTI-BEAM HD R/A PLUG 15S+2P+2P+15S	 TE Part # 2204422-5 MULTI-BEAM HD VER.REC.15S+15S	 TE Part # 2204443-6 MULTI-BEAM HD R/A PLUG 2P+20S	

Also in the Series | MULTI-BEAM HD



[Board-to-Board Headers & Receptacles\(46\)](#)

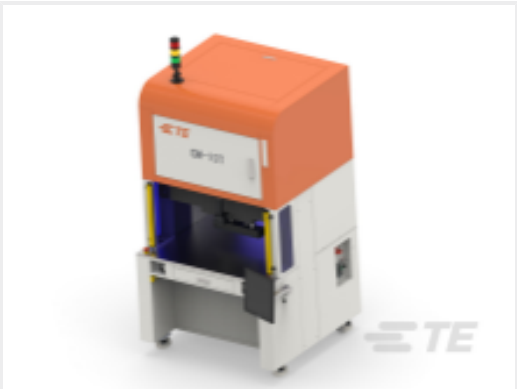


[PCB Headers & Receptacles\(46\)](#)

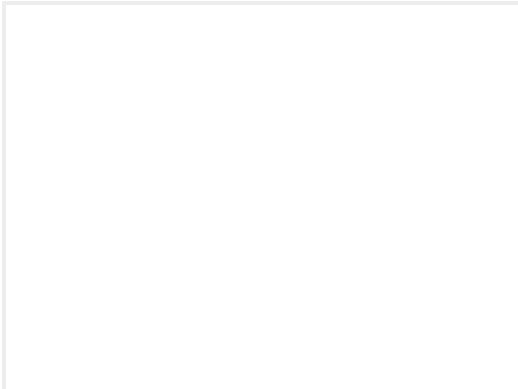


[Rectangular Power Connectors\(46\)](#)

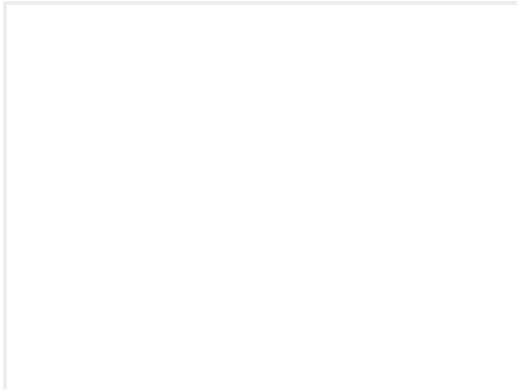
Customers Also Bought



TE Part #2428580-1
[CM-10T, SERVO ELECTRIC PRESS](#)



TE Part #1-2406136-9
[MULTIGIG RT 9MM GUIDE/ESD UNKE](#)



TE Part #2204423-2
[MULTI-BEAM HD VERTICAL REC. 2P](#)



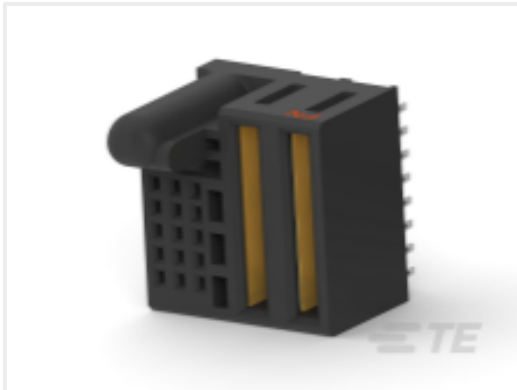
TE Part #1-1469491-2
[MULTIGIG RT GUIDEPIN, 9MM 2.60](#)



TE Part #2-2351050-5
[LGA4677 TFLM ASSY,W/ COVER](#)



TE Part #2204406-3
[MULTI-BEAM HD R/A REC. 2P+15S](#)



TE Part #2204426-4
[MULTI-BEAM HD VERTICAL REC. 2P+15S](#)



TE Part #1-2351052-5
[LGA4677 E1A ASSY](#)



TE Part #2-2347090-1
[SOCKET 4677 DG1.0 FOR ODM](#)



TE Part #2351051-2
[LGA4677 BACKPLATE ASSY, LONG STUD](#)

Documents

Product Drawings

[MULTI-BEAM HD VERTICAL REC. 15S+2P+2P+15](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2204420-1_A.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_2204420-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2204420-1_A.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL](#)

English