



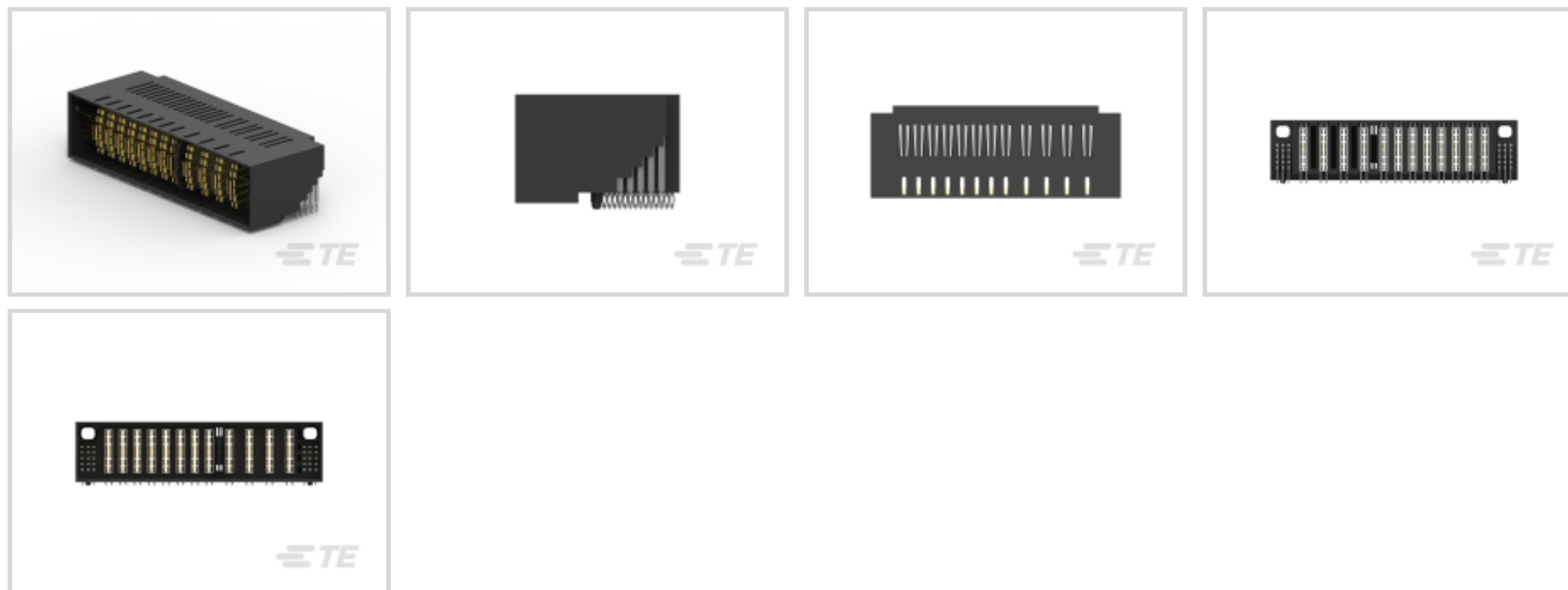
MULTI-BEAM | MULTI-BEAM HD

TE Internal #: 2204440-2

Rectangular Power Connectors, Header, Plug, Board-to-Board, 42
Position, 2 mm / 7 mm / 5 mm [.275 in / .078 in / .196 in] Centerline,
MULTI-BEAM HD

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**
 Connector & Housing Type: **Plug**
 Connector System: **Board-to-Board**
 Number of Positions: **42**
 Centerline (Pitch): **2 mm, 5 mm, 7 mm [.078 in, .196 in, .275 in]**

Features

Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions by Circuit Application	8P/Power, 4HVP/Power, 30/Signal
Number of Positions	42
PCB Mount Orientation	Right Angle
Number of Power Positions	12
Number of Signal Positions	30
Number of Rows	5

Electrical Characteristics



Operating Voltage	60 VDC, 300 VDC
-------------------	-----------------

Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
Contact Current Rating (Max)	1116 A
Contact Retention Within Housing	Without
Contact Type	Blade, Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold Flash over Palladium Nickel
Contact Mating Area Plating Material Thickness	.076 μm [3 μin]

Termination Features

Termination Post & Tail Length	3.2 mm
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Mechanical Attachment

Connector Mounting Type	Board Mount
-------------------------	-------------

Housing Features

Centerline (Pitch)	2 mm, 5 mm, 7 mm [.078 in][.196 in][.275 in]
Housing Color	Black
Housing Material	High Temperature Thermoplastic

Dimensions

Row-to-Row Spacing	2 mm [.079 in]
--------------------	----------------

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
---------------------	----------------

Industry Standards

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

Packaging Features

Packaging Method	Box & 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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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

 <p>TE Part # 2204420-2 MULTI-BEAM HD VER. REC. 15S+8P+4P+15S</p>	 <p>TE Part # 2204400-2 MULTI-BEAM HD R/A REC. 15S+8P+4P+15S</p>
--	---

Also in the Series | MULTI-BEAM HD



Documents

Product Drawings

[MULTI-BEAM HD R/A PLUG 15S+8P+4P+15S](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2204440-2_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2204440-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2204440-2_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