

**2204440-8**

✓ ACTIVE

**MULTI-BEAM | MULTI-BEAM HD**

TE Internal #: 2204440-8

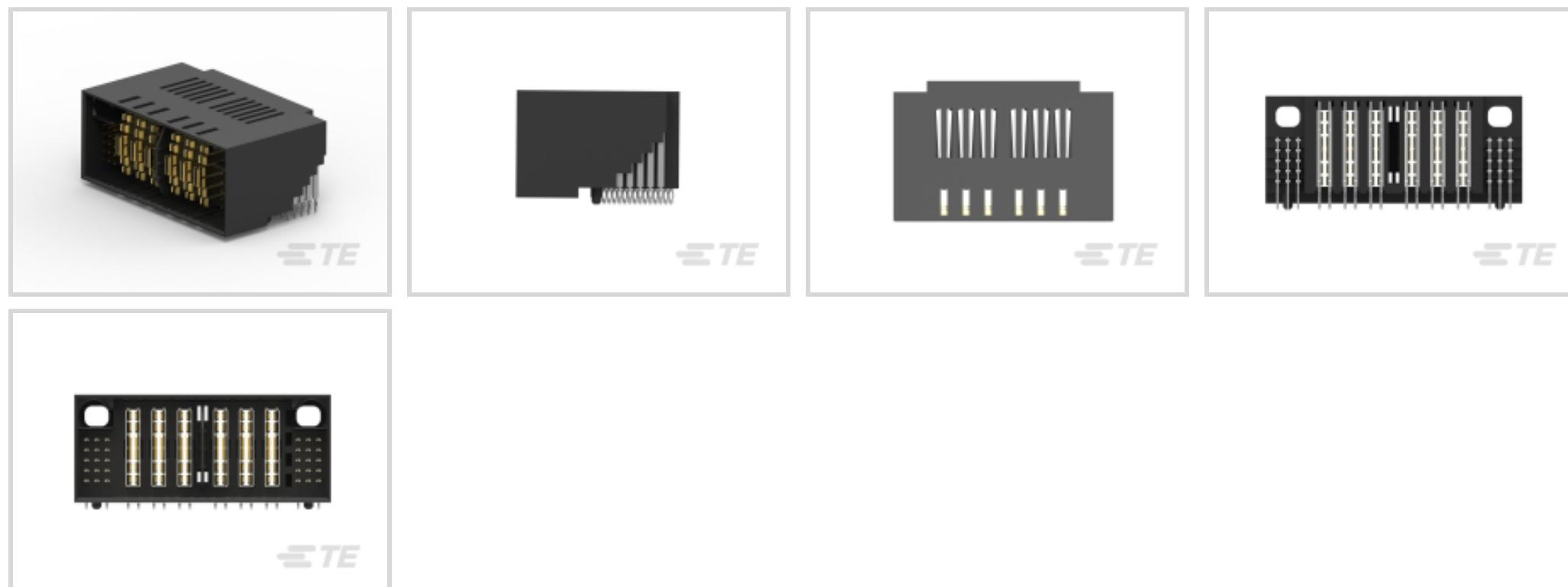
PCB Mount Plug, Right Angle, Board-to-Board, 36 Position, 2 mm /

5 mm [.079 in / .196 in] Centerline, Fully Shrouded, Gold, MULTI-

BEAM HD

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Connectors &gt; PCB Connectors &gt; PCB Headers &amp; Receptacles

PCB Connector Assembly Type: **PCB Mount Plug**PCB Mount Orientation: **Right Angle**Connector System: **Board-to-Board**Number of Positions: **36**Number of Rows: **5****Features****Electrical Characteristics**

Operating Voltage	60 VDC
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**Dimensions**

Row-to-Row Spacing	2 mm [.079 in]
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Connector Width	31.7 mm [1.25 in]
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PCB Thickness (Recommended)	1.5 mm [.059 in]
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Connector Height	18.9 mm [.74 in]
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Connector Length	50 mm [1.97 in]
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**Packaging Features**

Packaging Quantity	25
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Packaging Method	Tray
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**Industry Standards**

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

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

### Mechanical Attachment

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

### Termination Features

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

### 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
Contact Type	Pin, Blade
Contact Current Rating (Max)	93 A, 3.5 A

### Housing Features

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

### Configuration Features

Number of Columns	12
Number of Loaded Positions	36
Number of Signal Positions	30

Number of Power Positions	6
PCB Mount Orientation	Right Angle
Number of Positions	36
Number of Rows	5

#### Product Type Features

Mixed & Hybrid Header	Yes
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Plug
Connector System	Board-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

#### Body Features

Primary Product Color	Black
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#### Operation/Application

Circuit Application	Power & Signal
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#### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

#### Product Compliance

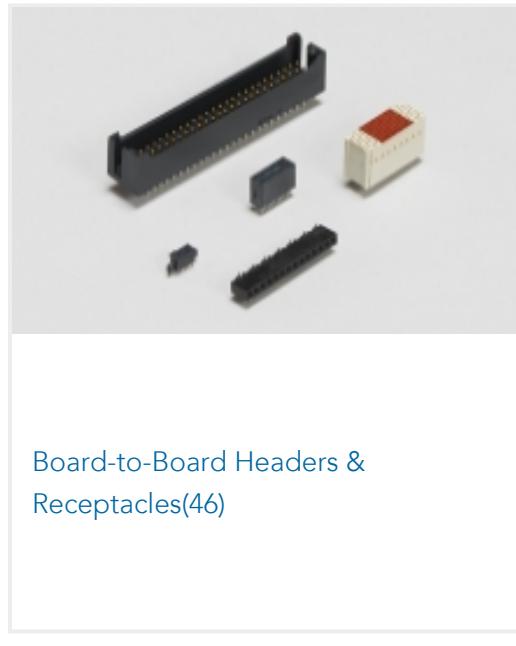
For compliance documentation, visit the product page on [TE.com](http://TE.com)

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

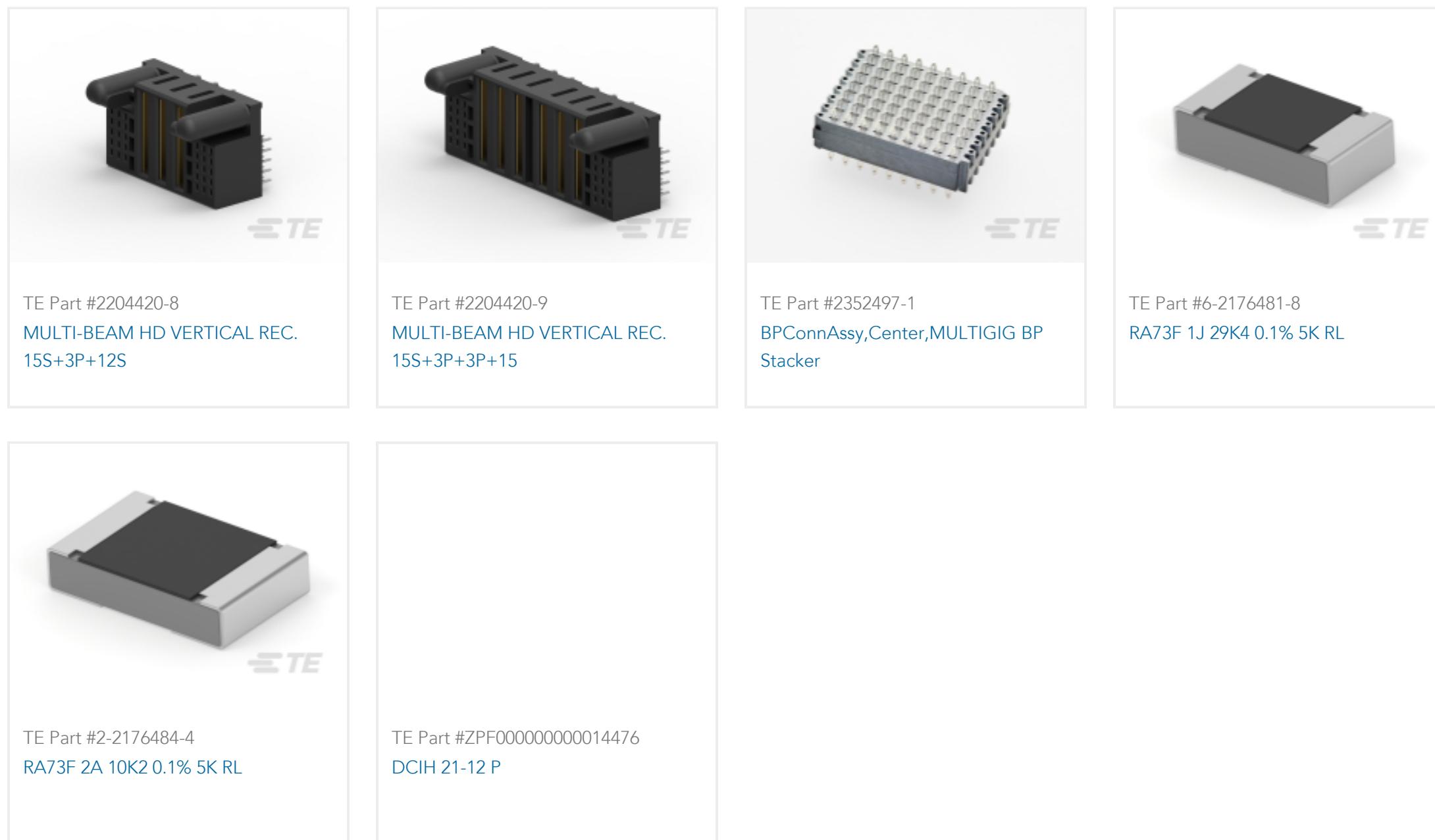
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

Also in the Series | **MULTI-BEAM HD**

## Customers Also Bought





## Documents

### Product Drawings

#### MULTI-BEAM HD R/A PLUG 15S+3P+3P+15S

English

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### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2204440-8\\_A.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2204440-8\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2204440-8\\_A.3d\\_stp.zip](#)

English

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### Product Specifications

#### Application Specification

English

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### Agency Approvals

#### UL

English