



TE Internal #: 2295018-2
 C, 3.1 Gen 1, Receptacle, 24 Position, Mid Mount, 1 Port, Right
 Angle, Tape & Reel, IPX4, Surface Mount, Cable-to-Board, .5 mm [.02 in] Centerline

[View on TE.com >](#)

Connectors > Audio & Video Connectors > USB Connectors



USB Type: C
 USB Version: **3.1 Gen 1**
 Connector & Housing Type: **Receptacle**
 Number of Ports: 1
 PCB Mount Location: **Mid Mount**

Features

Product Type Features

Grounding Options	Panel Ground
Ground Feature Type	M2 Threaded Hole
Integral Locking Latch	Without
USB Type	C
USB Version	3.1 Gen 1
Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Panel Ground Location	Right/Left
Number of Ports	1
Number of Positions	24

Body Features

Shell Plating Material	Nickel
Offset	.65 mm
Shell Plating Finish	Bright

Contact Features

Contact Underplating Material	Nickel
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Contact Mating Area Plating Material	Gold (Au)
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Contact Mating Area Plating Material Thickness	.76 μm [30 μin]
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Contact Current Rating (Max)	5 A
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Termination Features

Termination Method to PCB	Surface Mount
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Mechanical Attachment

PCB Mount Location	Mid Mount
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PCB Mount Retention Type	SMT + Through Hole
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Connector Mounting Type	Board Mount
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Housing Features

Housing Material	High Temperature Thermoplastic
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Housing Color	Black
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Body Orientation	Right Angle
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Centerline (Pitch)	.5 mm[.02 in]
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Usage Conditions

Soldering Temperature (Max)	260 $^{\circ}\text{C}$ [500 $^{\circ}\text{F}$]
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Mating Cycles (Max)	10000
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Operating Temperature Range	-30 – 85 $^{\circ}\text{C}$ [-22 – 185 $^{\circ}\text{F}$]
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Operation/Application

Circuit Application	Signal
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Industry Standards

IP Rating	IPX4
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Packaging Features

Packaging Quantity	800
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Packaging Method	Tape & Reel
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
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EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2025 (250)

Candidate List Declared Against: JUNE 2025 (250)

Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Reflow solder capable to 260°C

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 # 2495699-1
USB TYPE C PLUG 24P SMT VERTICAL MOUNT



TE Part # 2495701-1
USB TYPE C PLUG 24P VERTICAL MOUNT



TE Part # 2305018-2
USB TYPE C, REC IPX8 ON BOARD DUAL SMT



TE Part # 2495709-1
USB TYPE C RECEPTACLE 24P IPX7



TE Part # 2480803-1
USB C Charge-only, 6 Pin, Vertical, Short



TE Part # 2495711-1
USB TYPE C RECEPTACLE 24P IPX8



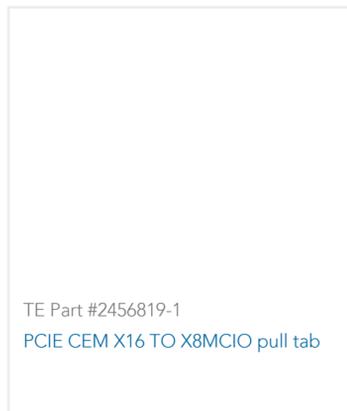
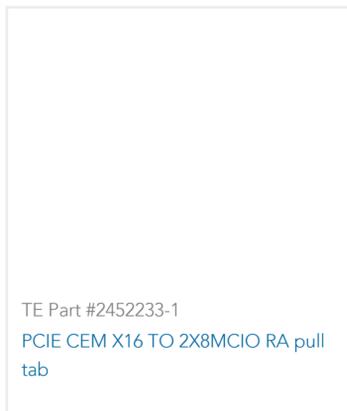
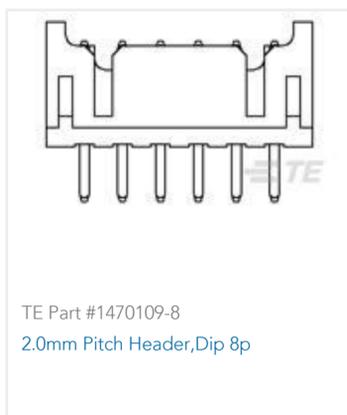
TE Part # 2495698-1
USB TYPE C PLUG SMT MIDDLE MOUNT RA



TE Part # 2495712-1
USB TYPE C RECEPTACLE 24P IPX7



Customers Also Bought





Documents

Product Drawings

[SPLASH PROOF USB TYPE C REC, DUAL SMT](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2295018-2_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2295018-2_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2295018-2_B.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[USB Type-C](#)

English

[USB Type-C CN](#)

Product Specifications

[Product Specification](#)

English