

TE Internal #: 2295018-2

USB Connectors, C, 3.1 Gen 1, Receptacle, 1 Port, Mid Mount, Right Angle, Tape & Reel, IPX4, Surface Mount, Cable-to-Board, 10000, 24 Position

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Connectors > Audio & Video Connectors > USB Connectors



USB Adapter 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

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

#### Configuration Features

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

#### Body Features

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

#### Contact Features



Contact Mating Area Plating Material Thickness	.75 $\mu\text{m}$ [30 $\mu\text{in}$ ]
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
Contact Current Rating (Max)	5 A

#### Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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#### Mechanical Attachment

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

#### Housing Features

Housing Material	High Temperature Thermoplastic
Housing Color	Black
Body Orientation	Right Angle
Centerline (Pitch)	.5 mm[.019 in]

#### Usage Conditions

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

#### Operation/Application

Circuit Application	Signal
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#### Industry Standards

Industry Standard	IEC
IP Rating	IPX4

#### Packaging Features

Packaging Quantity	800
Packaging Method	Tape & Reel

#### 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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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	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 # 1-2295018-2  
USB TYPE C, REC OFFSET 0.65MM  
DUAL SMT



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

### Customers Also Bought



TE Part #2-2176051-5  
RLP73K 1J R51 1% 1K RL



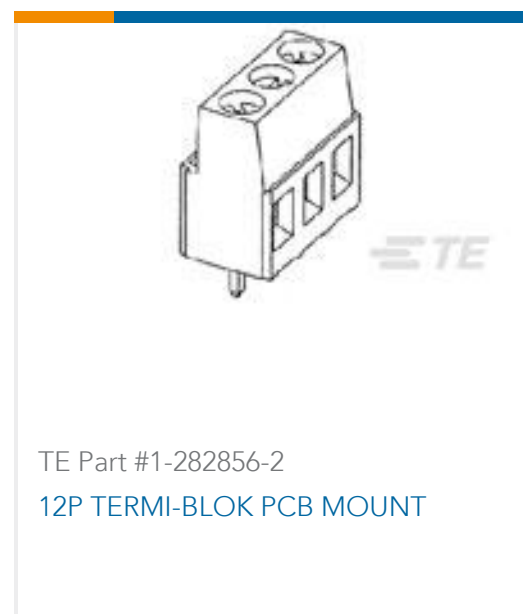
TE Part #5177986-6  
0.8FH,P05H.5,140,08/Sn,TR,SC



TE Part #770262-3  
06P UMNL SOK HDR ASSY 94VO LF



TE Part #8-1437565-1  
FSMCTATR=TACTILE SWITCH T&R



## 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

### Product Environmental Compliance

2295018-2

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