

1-2295018-2 ✓ ACTIVE

TE Internal #: 1-2295018-2

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

[View on TE.com >](#)



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
Grounding Options	Panel Ground
Ground Feature Type	M2 Threaded Hole
USB Adapter Type	C
USB Version	3.1 Gen 1
Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
Sealable	No
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

Locking Feature	Without
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
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### Packaging Features

Packaging Quantity	800
Packaging Method	Tape & Reel

### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant
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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: JUL 2021 (219)

SVHC > Threshold:

Octamethylcyclotetrasiloxane (D4) (7% in COMPONENT PART)

**Article Safe Usage Statements:**

Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

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



## Customers Also Bought




TE Part #3-2176055-0  
RLP73K 2B R16 1% 1K RL



TE Part #3-1879215-9  
CPF 0402 10K5 0.1% 25PPM 1K RL



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



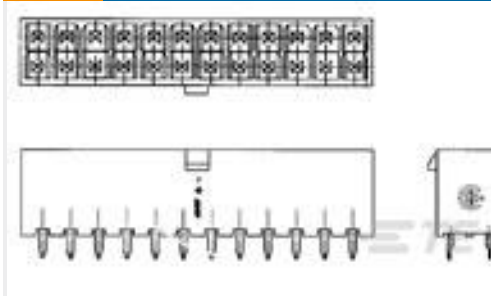
TE Part #1-2176329-1  
CRGP 1210 68R 1%



TE Part #3-2176370-6  
RQ 0603 1K0 0.1% 10PPM 5K RL



TE Part #5555153-5  
MJ,LPF,R/A,8P,PCBG,PSTP.11TTR



TE Part #1-1586768-0  
10P VERT HDR VAL-U-LOK GW



TE Part #4-2176452-7  
CPF 0201 1K62 0.1% 25ppm 1K RL



TE Part #4-2176455-3  
CPF 0402 301K 0.1% 25ppm 1K RL



TE Part #4-2176455-9  
CPF 0402 348K 0.1% 25ppm 1K RL

## Documents

### Product Drawings

[USB TYPE C, REC OFFSET 0.65MM DUAL SMT](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2295018-2\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2295018-2\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2295018-2\\_B.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages



## USB Type-C

English

## USB Type-C CN

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### Product Specifications

#### Product Specification

English

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### Product Environmental Compliance

#### TE Material Declaration

English