

TE Internal #: 2305018-2
 C, 3.1 Gen 2, Receptacle, Top, Right Angle, Reel, IPX8, Surface Mount, Cable-to-Board, Sealable, Printed Circuit Board, USB 3.1 Type-C, USB Connectors

[View on TE.com >](#)



Connectors > Audio & Video Connectors > USB Connectors



USB Adapter Type: **C**

USB Version: **3.1 Gen 2**

Connector & Housing Type: **Receptacle**

PCB Mount Location: **Top**

Body Orientation: **Right Angle**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Integral Locking Latch | Without |
| USB Adapter Type | C |
| USB Version | 3.1 Gen 2 |
| Connector & Housing Type | Receptacle |
| Connector System | Cable-to-Board |
| Sealable | Yes |
| Connector & Contact Terminates To | Printed Circuit Board |
| USB Connector Type | USB 3.1 Type-C |

Body Features

| | |
|------------------------|--------|
| Shell Plating Material | Nickel |
|------------------------|--------|

Contact Features

| | |
|--|----------------|
| Contact Underplating Material | Nickel |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Mating Area Plating Material Thickness | .75 μm[30 μin] |
| Contact Current Rating (Max) | 5 A |

Termination Features

| | |
|---------------------------|---------------|
| Termination Method to PCB | Surface Mount |
|---------------------------|---------------|

Mechanical Attachment



| | |
|--------------------------|--------------------|
| Locking Feature | Without |
| PCB Mount Location | Top |
| 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 |

Usage Conditions

| | |
|-----------------------------|---------------------------|
| Soldering Temperature (Max) | 260 °C[500 °F] |
| Mating Cycles (Max) | 10000 |
| Operating Temperature Range | -40 – 85 °C[-40 – 185 °F] |

Operation/Application

| | |
|--------------------------|----------------|
| Assembly Process Feature | None |
| Circuit Application | Power & Signal |

Industry Standards

| | |
|-------------------|------|
| Industry Standard | IEC |
| IP Rating | IPX8 |

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 800 |
| Packaging Method | 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: JAN 2025 (247) 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

Reflow solder capable to 245°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 # 2134078-1
SHILED FINGER 1210 EMBOSS
PACKING



TE Part # 1903646-1
SHIELD FINGER 3014 LOW FORCE



TE Part # 1746854-1
SHILED FINGER 2411 ANTI OVER S



TE Part # 1565158-1
SHIELD FINGER 1511



TE Part # 1734300-1
SHIELD FINGER 3025-Z1-T



TE Part # 1554901-1
SHIELD FINGER 2011 EMBOSS
PACKING



TE Part # 1674954-1
SHIELD FINGER 2026 WITH TAPE



TE Part # 1827625-1
SHIELD FINGER 3014 ANTI OVER
STRESS TYPE



TE Part # 2480843-1
USB C Charge-only,6 Pin, Mid, 3u GF



TE Part # 1447360-9
3100069=SEALED FINGR 1715EMBOS



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



TE Part # 2345986-2
TYPE C 3.1 TOP MOUNT DUAL SMT
1.63CH 15U




TE Part # 1551573-5
Shield Finger, Loose Piece



TE Part # 2108612-5
2.05H SPRING FINGER WITH EMBOSS



TE Part # 2108614-5
2.7H SPRING FINGER WITH EMBOSS



TE Part # 2345986-1
USB TYPE C 3.1 TOP MOUNT DUAL SMT 1.63CH



TE Part # 2479774-1
USB C Charge-only, 6 Pin, Top, 1u GF



TE Part # 2329418-2
USB TYPE C, REC IPX8 ON BOARD WITH COVER



TE Part # 2480790-1
USB C Charge-only, 6 Pin, Vertical, Long



TE Part # 2388749-1
USB4 RECPTACLE ON BOARD

Customers Also Bought



TE Part #CAT-BLPS0062
Ultra-low Pressure Digital Sensor



TE Part #1-2176581-7
RLC73PM 2B R047 1% 5K RL



TE Part #643464-6
07P MTA156 HDR ASSY W/O#2,4,&6



TE Part #2108877-1
MICRO USB, TYPE B, IP68



TE Part #6-2176217-0
CPF A 0805 34K8 0.1% 25PPM 1K RL



TE Part #1-1623929-1
CFR200 5% 15R



TE Part #2386586-1
FINE PITCH BTB CONN H0.8, 8P, REC



TE Part #5-2176587-4
RLC73K 2E R20 1% 1K RL



TE Part #7-1393788-5
V23079F1108B301

Documents



Product Drawings

USB TYPE C, REC IPX8 ON BOARD DUAL SMT

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2305018-2_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2305018-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2305018-2_A.3d_stp.zip](#)

English

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

Product Specifications

Product Specification

English