

TE Internal #: 2305018-2

USB Connectors, C, 3.1 Gen 2, Receptacle, Top, Right Angle, Reel, IPX8, Surface Mount, Cable-to-Board, 10000, Sealable, Printed Circuit Board

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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
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#### Contact Features

Contact Mating Area Plating Material Thickness	.75 μm[30 μin]
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	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	-30 – 85 °C[-22 – 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: 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 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 # 2295018-2  
SPLASH PROOF USB TYPE C REC,  
DUAL SMT



TE Part # 1551573-5  
Shield Finger, Loose Piece



TE Part # 1551576-5  
Shield Finger, 3.4mm



TE Part # 1565322-1  
SHIELD FINGER 1608



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



TE Part # 1551575-5  
Shield Finger, Loose Piece



TE Part # 1674954-1  
SHIELD FINGER 2026 WITH TAPE



TE Part # 1565158-1  
SHIELD FINGER 1511



TE Part # 1447009-5  
SHIELD FINGER 0820 TYPE



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



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



TE Part # 1903646-1  
SHIELD FINGER 3014 LOW FORCE




TE Part # 2108693-4  
1.1H SPRING FINGER WITH EMBOSS



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



TE Part # 1554901-1  
SHIELD FINGER 2011 EMBOSS PACKING



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



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



TE Part # 2134078-1  
SHILED FINGER 1210 EMBOSS PACKING



TE Part # 2129691-2  
USB3.1 TYPE-C REC MID-MOUNT 0.485 HYBRID



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

### Customers Also Bought



TE Part #6-1879213-8  
CPF 0402 143R 0.1% 25PPM 1K RL




TE Part #8-1625867-1  
RP 1J 0.166W 43R2 0.1% 25PPM 1K RL



TE Part #2-2176308-3  
RP 1E 0.1W 226K 0.1% 25PPM 5K RL




TE Part #1513634-1  
400411LF Molded Stamped Antenna




TE Part #214017-E  
SRCP 1,27 4 M 1 SMD 137 E1 094 \* GU-H KL



TE Part #839405-E  
IDCCS SRC 1,27 8 \* SPX APD 50 HF



TE Part #839603-E  
IDCCS SRC 1,27 10 \* SPX APD 50 HF



TE Part #839869-E  
IDCCS SRC 1,27 10 \* APU APD 80 HF

### 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

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## Product Specifications

[Product Specification](#)

English

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## Product Environmental Compliance

[Product Compliance Document](#)

English

[Product Compliance Document](#)

English