



Connectors > Audio & Video Connectors > USB Connectors



USB Type: C

USB Version: 3.1 Gen 2

Connector & Housing Type: Receptacle

PCB Mount Location: Top Mount

Body Orientation: Right Angle

Features

Product Type Features

Integral Locking Latch	Without
USB 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

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	.76 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 Mount
PCB Mount Retention Type	SMT + Through Hole
Connector Mounting Type	Board Mount

Housing Features

Housing Color	Black
Housing Material	High Temperature Thermoplastic
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

Circuit Application	Power & Signal
---------------------	----------------

Industry Standards

IP Rating	IPX8
-----------	------

Packaging Features

Packaging Quantity	800
Packaging Method	Reel

Product Compliance

For compliance documentation, visit the product page on TE.com>

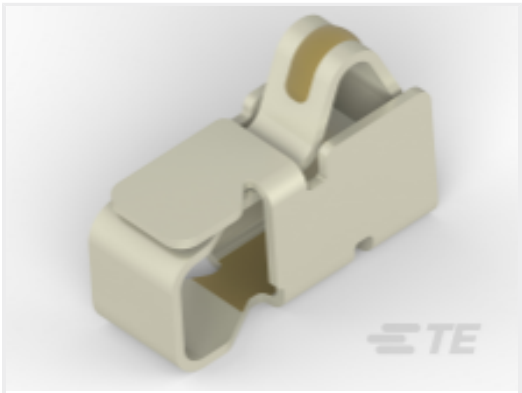
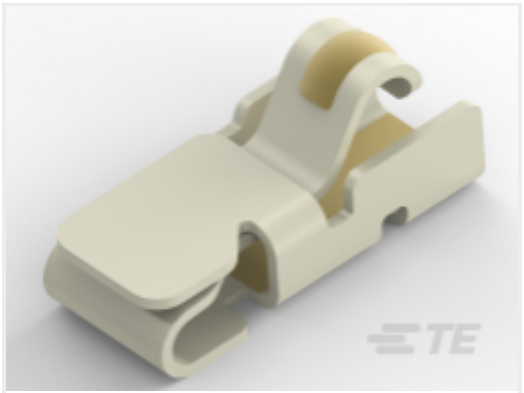
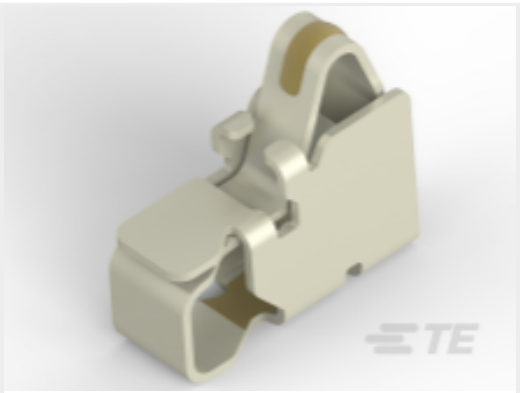
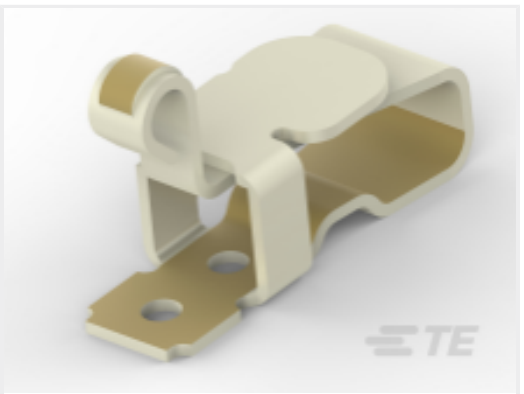
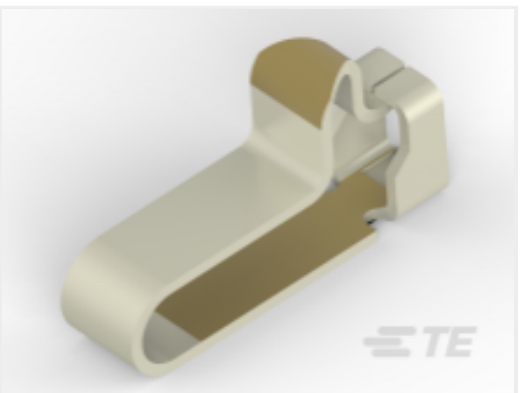
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2024 (241) Does 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 245°C

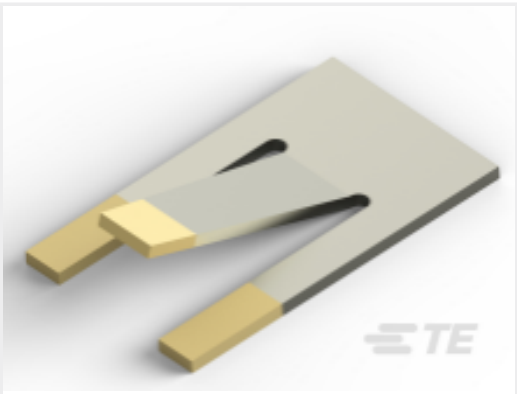
Product Compliance Disclaimer



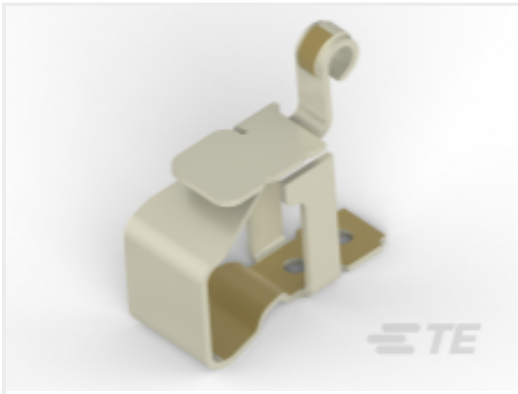
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

 <p>TE Part # 2108612-5 2.05H SPRING FINGER WITH EMBOSS</p>	 <p>TE Part # 2108693-4 1.1H SPRING FINGER WITH EMBOSS</p>	 <p>TE Part # 2108614-5 2.7H SPRING FINGER WITH EMBOSS</p>	 <p>TE Part # 2345986-1 USB TYPE C 3.1 TOP MOUNT DUAL SMT 1.63CH</p>
 <p>TE Part # 2329418-2 USB TYPE C,REC IPX8 ON BOARD WITH COVER</p>	 <p>TE Part # 2479774-1 USB C Charge-only,6 Pin, Top, 1u GF</p>	 <p>TE Part # 1551573-5 Shield Finger, Loose Piece</p>	 <p>TE Part # 2480790-1 USB C Charge-only,6 Pin, Vertical, Long</p>
 <p>TE Part # 2388749-1 USB4 RECPTACLE ON BOARD</p>	 <p>TE Part # 2345986-2 TYPE C 3.1 TOP MOUNT DUAL SMT 1.63CH 15U</p>	 <p>TE Part # 1551575-5 Shield Finger, Loose Piece</p>	 <p>TE Part # 1565322-1 SHIELD FINGER 1608</p>
 <p>TE Part # 2129691-2 USB3.1 TYPE-C REC MID-MOUNT 0.485 HYBRID</p>	 <p>TE Part # 2345986-3 TYPE C 3.1 TOP MOUNT DUAL SMT 1.63CH 30U</p>	 <p>TE Part # 2480842-1 USB C Charge-only,6 Pin, Vert, Long, Lock</p>	 <p>TE Part # 2385692-1 USB4 RECPTACLE ON BOARD</p>



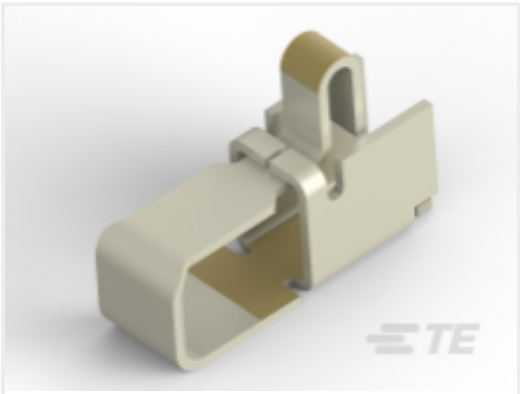
TE Part # 1447009-5
SHIELD FINGER 0820 TYPE



TE Part # 1551576-5
Shield Finger, 3.4mm



TE Part # 2295018-2
SPLASH PROOF USB TYPE C REC,
DUAL SMT



TE Part # 1903646-1
SHIELD FINGER 3014 LOW FORCE

Customers Also Bought



TE Part #9236-BCE-T-600-002
600PA DIFF. DIGITAL PRESSURE
SENSOR



TE Part #T4141012021-000
M12,REAR MOUNTING,FEMALE,A
CODE,2P



TE Part #1-796690-2
TERMI-BLOK PCB MOUNT 12P



TE Part #1-928344-2
STD-TIMER GEH 2P



TE Part #2-1462039-7
IM22GR=IM RELAY 50mW 4.5V



TE Part #1827571-4
DYNAMIC D1000 REC CONT L AU 0.2
um FORM



TE Part #6-1879135-4
RN 0603 5R36 0.1% 10PPM 5K RL



TE Part #1-2295018-2
USB TYPE C, REC OFFSET 0.65MM
DUAL SMT



TE Part #1-1393277-9
V23076A3022D142



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