



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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC



Free

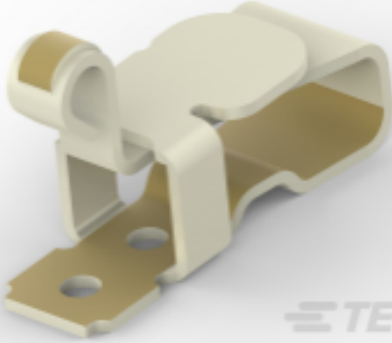
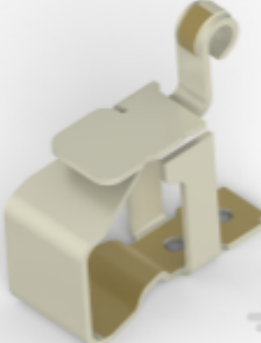
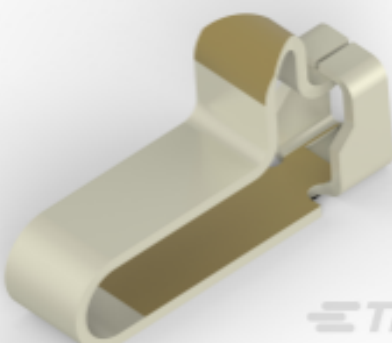
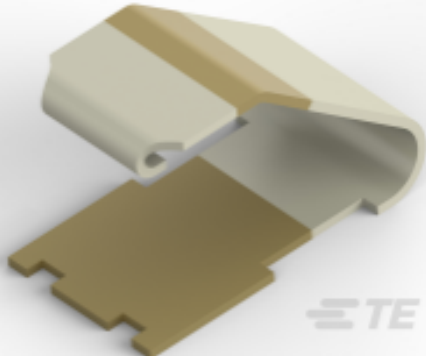
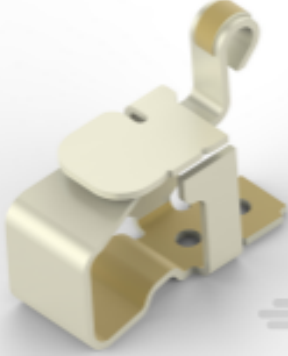
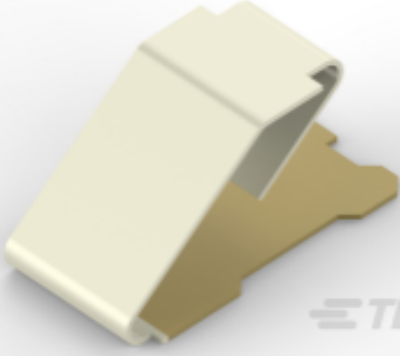
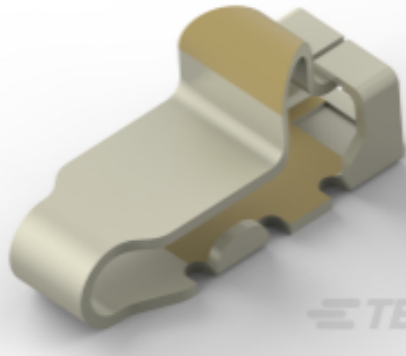
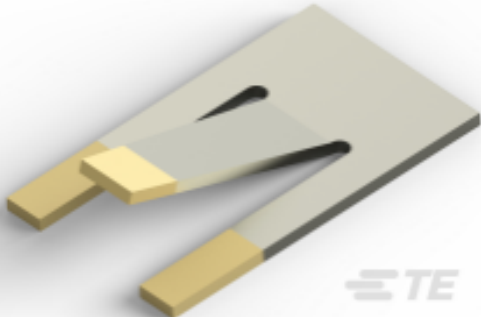
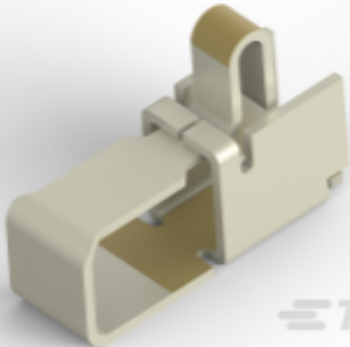
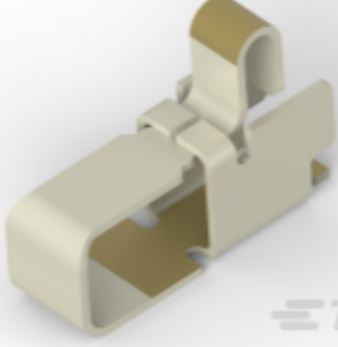
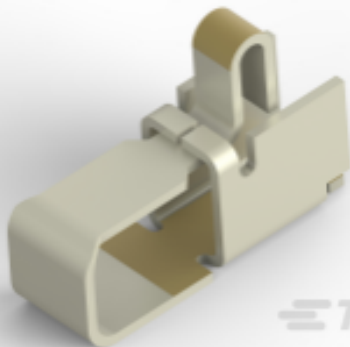
Solder Process Capability

Reflow solder capable to 245°C

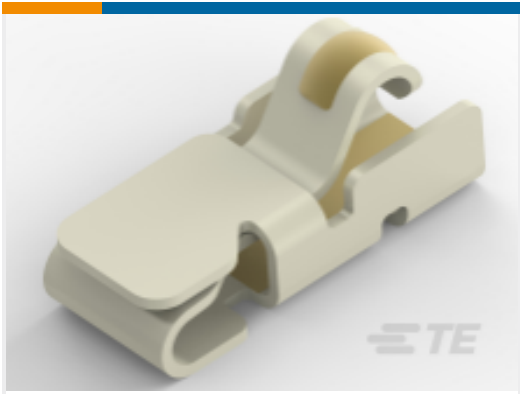
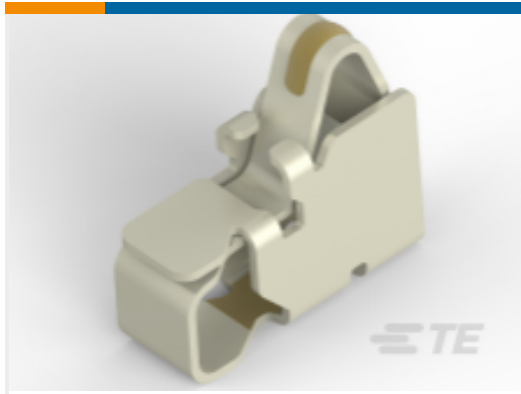
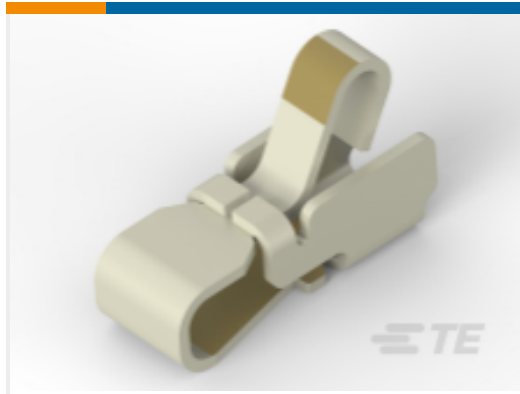
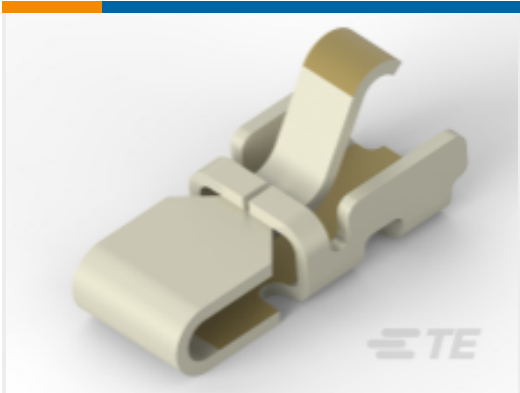
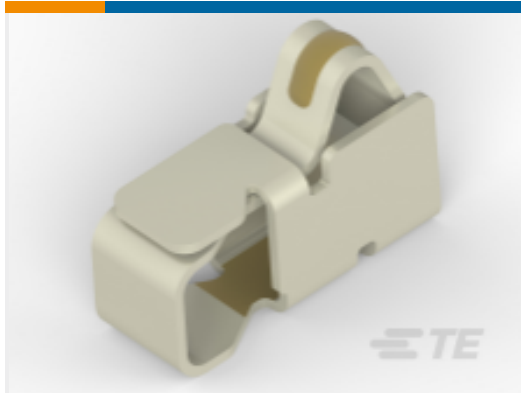
Product Compliance Disclaimer

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>

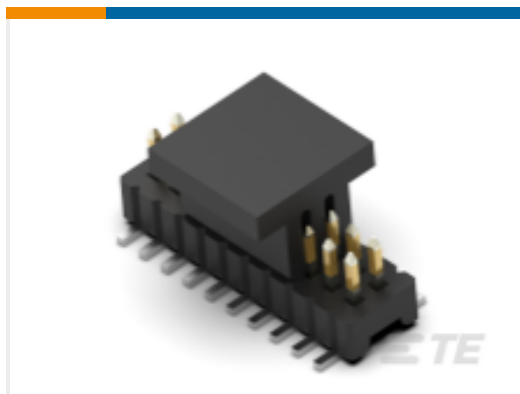
Compatible Parts

 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 # 1734300-1 SHIELD FINGER 3025-Z1-T
 TE Part # 2134078-1 SHILED FINGER 1210 EMBOSS PACKING	 TE Part # 2108612-5 2.05H SPRING FINGER WITH EMBOSS	 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 # 7-338069-8 MICRO-MATCH SMD FTE	 TE Part # 2-1734742-4 .5 FPC VT ZIF Type-A 24 CONT	 TE Part # 826468-6 6P MOD II SHROUDED HEADER, RT ANG.	 TE Part # 2309409-5 DDR4 SODIMM 260P 5.2H STD
 TE Part # 9236-BCE-T-600-002 600PA DIFF. DIGITAL PRESSURE SENSOR	 TE Part # TAD14545101-003 M12 D-code 4pin Male to Female Cable Assembly, Cat5e Polyurethane 22AWG Shielded	 TE Part # 1-2331929-0 SCL 1.0 HDR DRVt USP 020 SMT G3 TBK	 TE Part # 839405-E IDCCS SRC 1,27 8 * SPX APD 50 HF
 TE Part # 11021230-00 GLS9-AXIAL GLASS SUB			

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