



Connectors > Audio & Video Connectors > USB Connectors



USB Connector 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 Connector 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
Product Type	Connector
LED	Without

Body Features

Shell Plating Material	Nickel
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Contact Features

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

Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment



Locking Feature	Without
Locating Posts	Without
PCB Mount Location	Top
PCB Mount Retention Type	SMT + Through Hole
Connector Mounting Type	Board Mount

Housing Features

Body Orientation	Right Angle
Housing Material	High Temperature Thermoplastic
Housing Color	Black

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
Degree of Protection	IPX8

Packaging Features

Packaging Method	Reel
Packaging Quantity	800

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 2021 (211) Candidate List Declared Against: JUN 2020 (209) SVHC > Threshold: Not Yet Reviewed

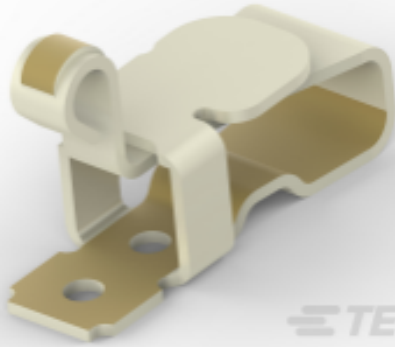
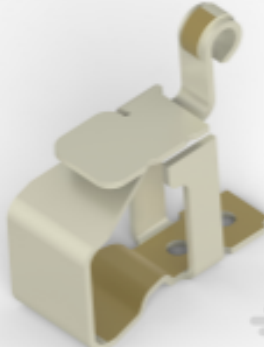
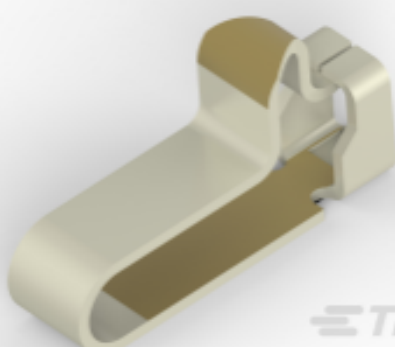
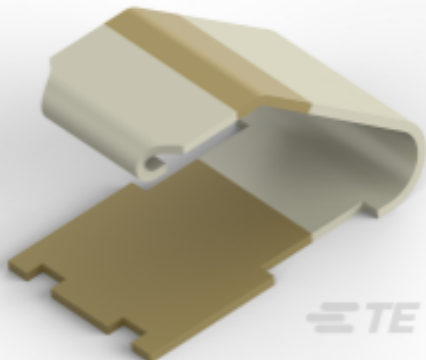
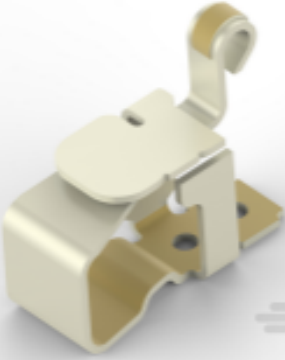
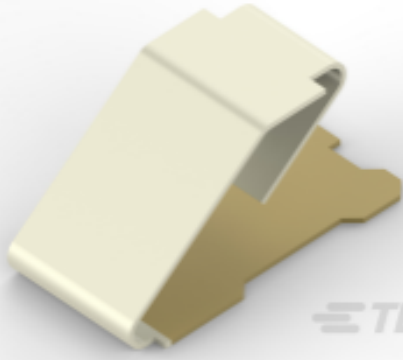
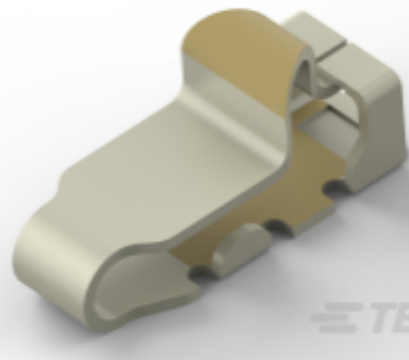
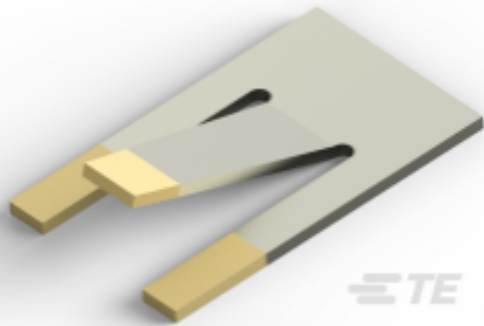
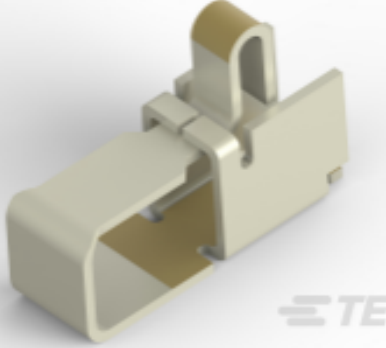
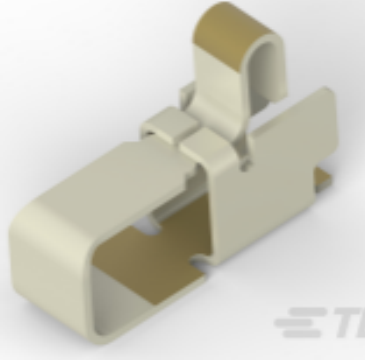
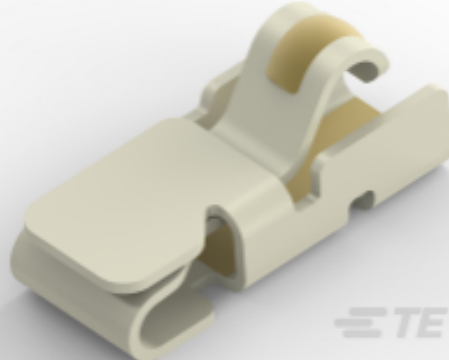


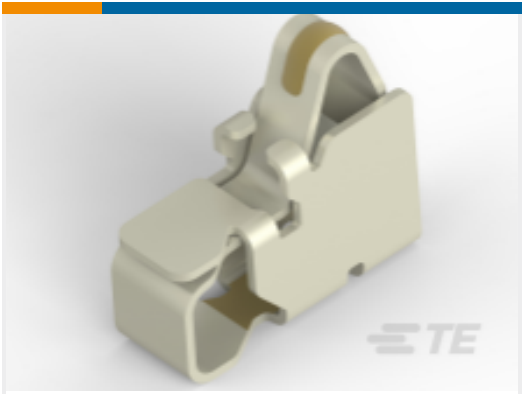
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 245°C

Product Compliance Disclaimer

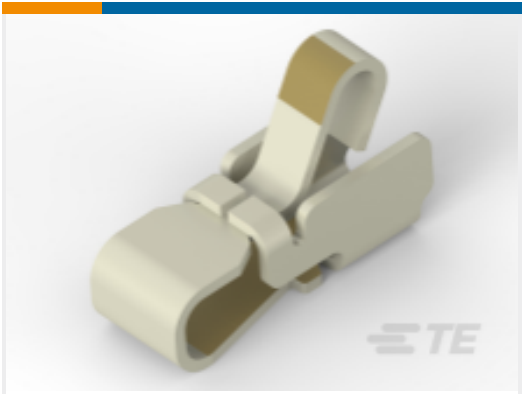
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

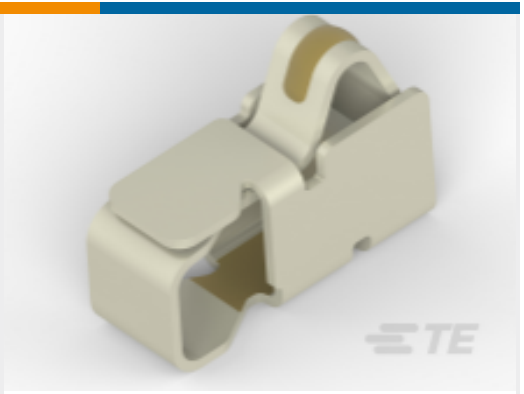
 TE Part # 2295018-2 SPLASH PROOF USB TYPE C REC, DUAL SMT	 TE Part # 1551573-5 Shield Finger, Loose Piece	 TE Part # 1551576-5 Shield Finger, 3.4mm	 TE Part # 1565322-1 SHIELD FINGER 1608
 TE Part # 1447360-9 3100069=SEALED FINGR 1715EMBOS	 TE Part # 1551575-5 Shield Finger, Loose Piece	 TE Part # 1674954-1 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 # 2108693-4 1.1H SPRING FINGER WITH EMBOSS



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



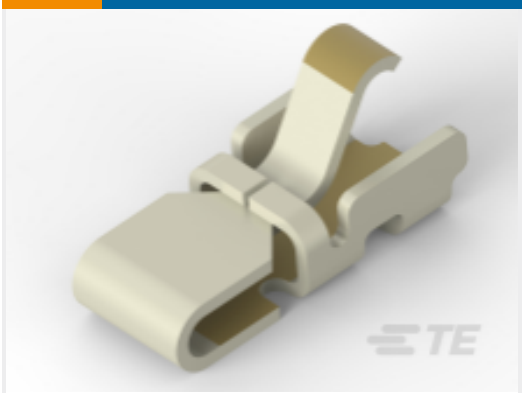
TE Part # 1554901-1
SHIELD FINGER 2011 EMBOSS PACKING



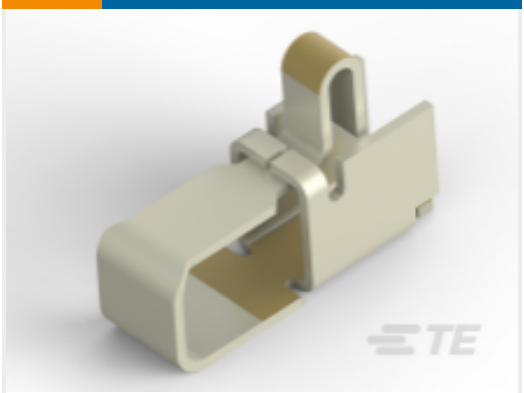
TE Part # 2108612-5
2.05H SPRING FINGER WITH EMBOSS



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



TE Part # 2134078-1
SHIELD FINGER 1210 EMBOSS PACKING



TE Part # 1903646-1
SHIELD FINGER 3014 LOW FORCE



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



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

Customers Also Bought



TE Part #1-1734592-0
0.5mm FPC Connectors



TE Part #MS561101BA03-50
BOARD LEVEL PRESSURE STOCK LIST



TE Part #1571983-1
GDH02S04=DIP SWITCH



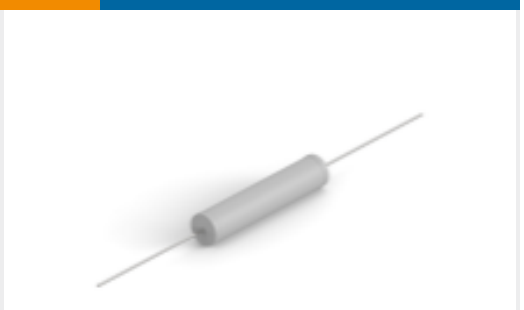
TE Part #1625854-3
0603 PROBE PAD



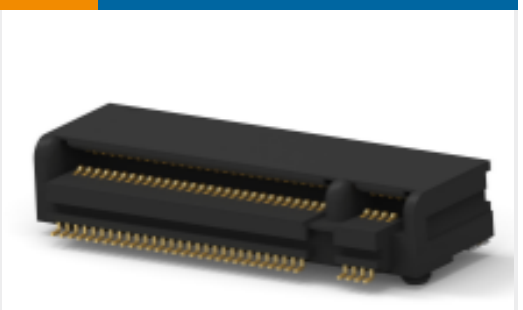
TE Part #1-1734248-5
1.0 FPC, ZIF V/T, SMT, 15P



TE Part #1761682-3
IDC LOW PRO HDR 10P RA HT BLACK



TE Part #1-2176415-1
8W STD M/OX 5% 75R



TE Part #1-2199230-6
M.2 CONNECTORS



TE Part #1766500-1
Assembly, Right Angle, Advance



TE Part #1766501-1
ATCA ASSY, Vertical Backplane,

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

Product Environmental Compliance

MD_2305018-2_09202018515_dmtec

English

MD_2305018-2_09202018515_dmtec

English