



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


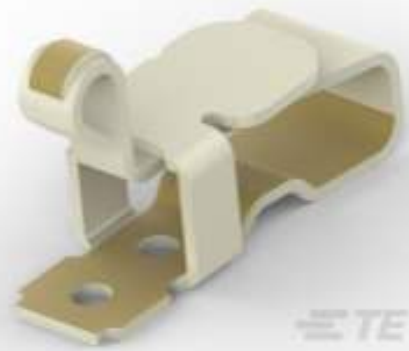

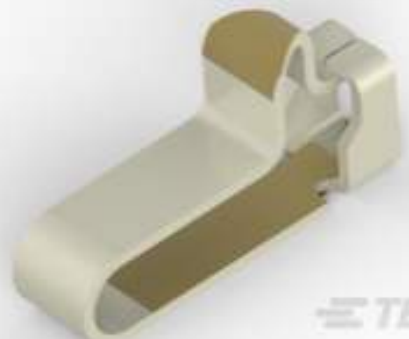
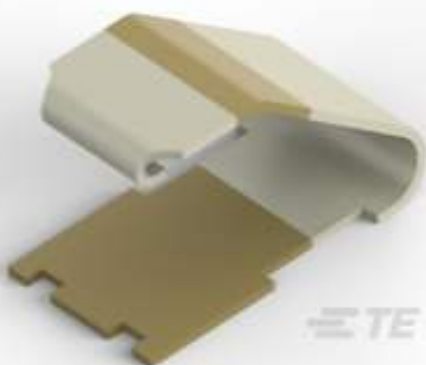

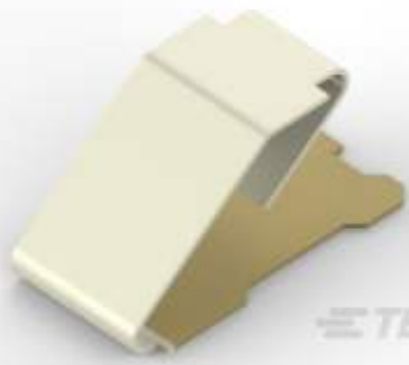

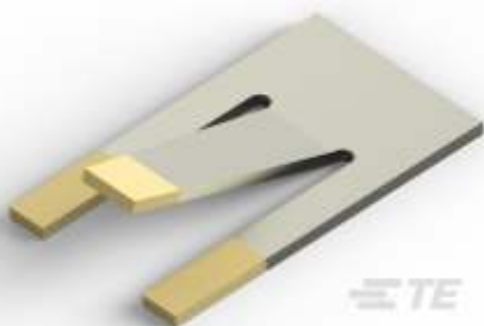



Solder Process Capability

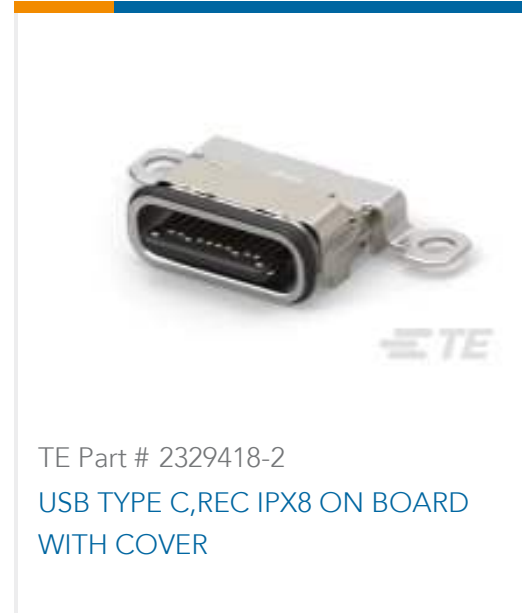
Reflow solder capable to 245°C

Product Compliance Disclaimer

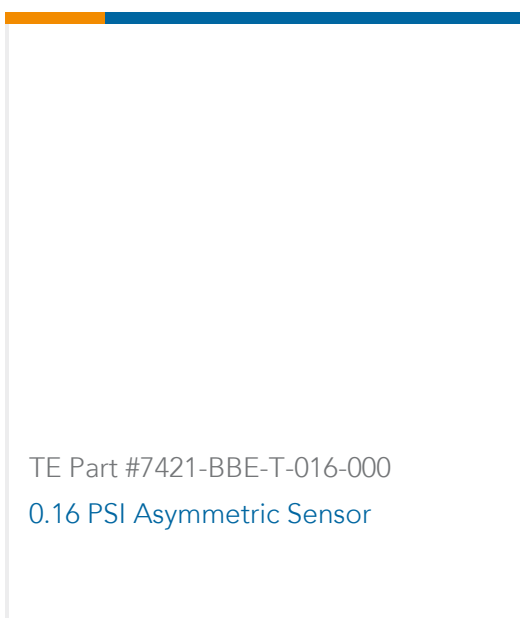
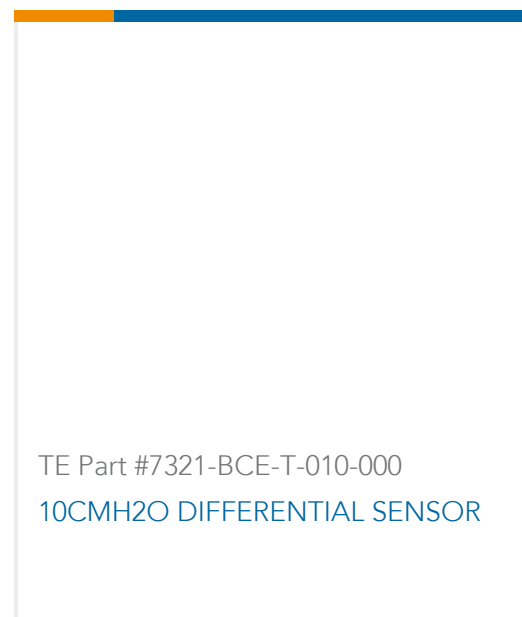
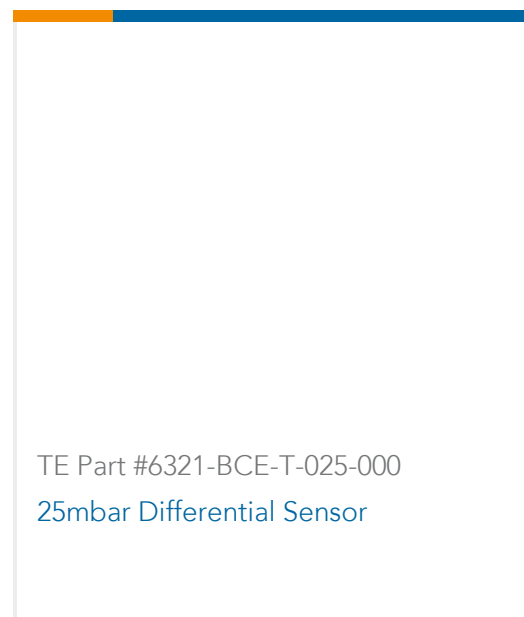
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

 <p>TE Part # 2295018-2 SPLASH PROOF USB TYPE C REC, DUAL SMT</p>	 <p>TE Part # 1551573-5 Shield Finger, Loose Piece</p>	 <p>TE Part # 1551576-5 Shield Finger, 3.4mm</p>	 <p>TE Part # 1565322-1 SHIELD FINGER 1608</p>
 <p>TE Part # 1447360-9 3100069=SEALED FINGR 1715EMBOS</p>	 <p>TE Part # 1551575-5 Shield Finger, Loose Piece</p>	 <p>TE Part # 1674954-1 SHIELD FINGER 2026 WITH TAPE</p>	 <p>TE Part # 1565158-1 SHIELD FINGER 1511</p>
 <p>TE Part # 1447009-5 SHIELD FINGER 0820 TYPE</p>	 <p>TE Part # 1827625-1 SHIELD FINGER 3014 ANTI OVER STRESS TYPE</p>	 <p>TE Part # 1746854-1 SHILED FINGER 2411 ANTI OVER S</p>	 <p>TE Part # 1903646-1 SHIELD FINGER 3014 LOW FORCE</p>



### Customers Also Bought



### Documents



### Product Drawings

#### USB TYPE C, REC IPX8 ON BOARD DUAL SMT

English

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### 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.

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### Product Specifications

#### Product Specification

English

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### Product Environmental Compliance

#### Product Compliance Document

English

#### Product Compliance Document

English