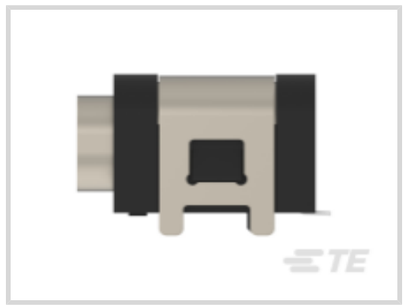
2495705-1 ✔ ACTIVE

TE Internal #: 2495705-1

C, Offset - Overhangs PCB USB, 2.0, Receptacle, 16 Position, Piece /Reel, IPX7, Surface Mount, Cable-to-Board, Printed Circuit Board, Power & Signal

View on TE.com >

Connectors > Audio & Video Connectors > USB Connectors




USB Type: **C**

USB Version: **2.0**

Connector Profile: **Offset - Overhangs PCB**

Connector & Housing Type: **Receptacle**

Packaging Method: **Piece/Reel**

Features

Product Type Features

Ground Feature Type	Ground Bus
Integral Locking Latch	Without
Grounding Options	PCB Ground
USB Type	C
USB Version	2.0
Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Panel Ground Location	Right/Left
Number of Positions	16

Body Features

Shell Plating Finish	Bright

Connector Profile	Offset - Overhangs PCB

Contact Features

	1 µin
Contact Underplating Material	Copper
Contact Mating Area Plating Material	Gold (Au)
Contact Current Rating (Max)	5 A

Termination Features

Termination Method to PCB	Surface Mount

Mechanical Attachment

Locking Feature	Without
Connector Mounting Type	Board Mount

Housing Features

Housing Color	Black
Housing Material	PA 46

Dimensions

PCB Thickness (Recommended)	1 mm

Usage Conditions

Soldering Temperature (Max)	260 °C[500 °F]
Mating Cycles (Max)	10000
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Halogen Free	Yes
Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
IP Rating	IPX7

Packaging Features

Packaging Quantity	6000
Packaging Method	Piece/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	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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	Not reviewed for solder process capability

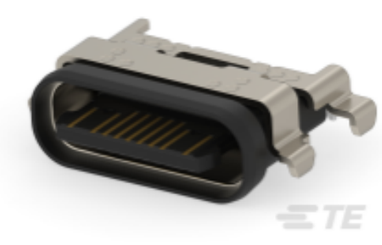
Product Compliance Disclaimer

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 2495708-1
USB TYPE C RECEPTACLE 16P IPX7



TE Part # 2495704-1
USB TYPE C RECEPTACLE 16P IPX7



TE Part # 2495155-1
USB TYPE C RECEPTACLE 16P WATERPROOF DIP

Documents

Product Drawings

USB TYPE C RECEPTACLE FEMALE 16P IPX7

English

CAD Files

Customer View Model

ENG_CVM_CVM_2495705-1_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2495705-1_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2495705-1_1.3d_stp.zip

English

3D PDF

3D

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Product Specifications

Product Specification

English