2388749-1 ✔ ACTIVE

TE Internal #: 2388749-1

4.0, Receptacle, 24 Position, Bottom Mount, 1 Port, Right Angle, Reel & Box, Flush, Surface Mount, Board-to-Component, .5 mm [.02 in] Centerline

View on TE.com >

Connectors > Audio & Video Connectors > USB Connectors



USB Version: **4.0**

Connector & Housing Type: **Receptacle**

Number of Ports: **1**

PCB Mount Location: **Bottom Mount**

Body Orientation: **Right Angle**

Features

Product Type Features

Ground Feature Type	Grounding Contact
Grounding Options	PCB Ground
USB Version	4.0
Connector & Housing Type	Receptacle
Connector System	Board-to-Component
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Mounting Legs	24
Number of Ports	1
Number of Positions	24

Body Features

Shell Plating Finish	Bright
Shell Plating Material	Nickel

Offset	1.1 mm

Contact Features

Contact Underplating Material	Nickel
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold (Au)
Contact Current Rating (Max)	5 A

Termination Features

Termination Method to PCB	Surface Mount

Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
PCB Mount Location	Bottom Mount
PCB Connector Seating	Flush
PCB Mount Retention Type	Solder Peg
Connector Mounting Type	Board Mount

Housing Features

Housing Color	Black
Housing Material	LCP
Body Orientation	Right Angle
Centerline (Pitch)	.5 mm[.02 in]

Dimensions

PCB Thickness (Recommended)	1 mm[.031 – .039 in]

Usage Conditions

Soldering Temperature (Max)	255 °C[491 °F]
Mating Cycles (Max)	10000
Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]

Operation/Application

Halogen Free	Yes
Assembly Process Feature	Without Pick and Place Cover
Circuit Application	Power & Signal

Industry Standards

Moisture Sensitivity Level	1
Test Identification (TID)	5588

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	6000
Packaging Method	Reel & Box

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	No Restricted Materials 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 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 # 2480803-1
USB C Charge-only,6 Pin, Vertical, Short



TE Part # 2480843-1
USB C Charge-only,6 Pin, Mid, 3u GF



TE Part # 2299863-1
PLUG ASSY USB TYPE C PLUG ASSEMBLY



TE Part # 2305018-2
USB TYPE C, REC IPX8 ON BOARD DUAL SMT



TE Part # 2479774-1
USB C Charge-only,6 Pin, Top, 1u GF



TE Part # 2480790-1
USB C Charge-only,6 Pin, Vertical, Long



TE Part # 2479774-2
USB C Charge-only,6 Pin, Top, 3u GF



TE Part # 2480842-1
USB C Charge-only,6 Pin, Vert, Long, Lock

Customers Also Bought



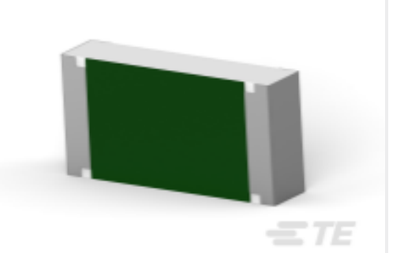
TE Part #CON292001-1
2.92 mm Jack 50 Ohm PCB Surface Mount



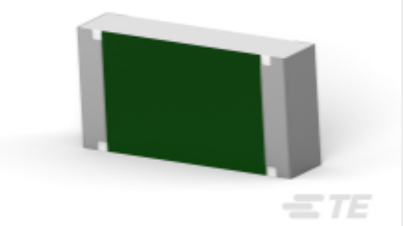
TE Part #36195
SOLIS SPD 22-16COMM 22-18MIL 6



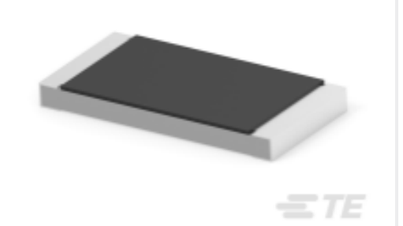
TE Part #794236-1
04P CMNL HDR ASSY V0



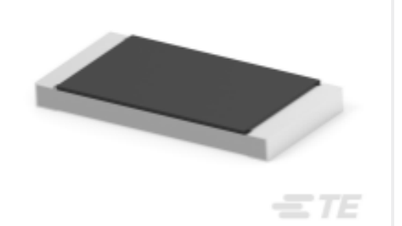
TE Part #2-2176397-4
3502 9R1 1%



TE Part #3-2176397-3
3502 22R 1%



TE Part #2-2176601-4
RLC73N 3A R091 1% 4K RL



TE Part #2-2176603-4
RLC73N 3A R091 1% 1K RL



TE Part #1-2834238-1
3P REC, IP67 R/A T/H CONN,NATURE



TE Part #6609042-2
6VS1=F7247 S0



TE Part #1-1423364-2
W57-XB1A4A10-5=CKTBKR,THERM, PB,QC.250,BU

Documents

Product Drawings

USB4 RECPTACLE ON BOARD

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2388749-1_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2388749-1_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2388749-1_1.3d_stp.zip

English

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Product Specifications

Test Report for USB 4.0 Connector

English

Product specification for USB 4.0 Connector

English