2388749-1 ✓ ACTIVE

TE Internal #: 2388749-1

USB Connectors, Standard, 4.0, Housing for Female Terminals, 1 Port, Bottom, Right Angle, Reel & Box, Flush, Surface Mount

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USB Connector Type: **Standard**

USB Version: **4.0**

Connector & Housing Type: **Housing for Female Terminals**

Number of Ports: **1**

PCB Mount Location: **Bottom**

Features

Product Type Features

Grounding Options	PCB Ground
Ground Component Type	Grounding Contact
USB Connector Type	Standard
USB Version	4.0
Connector & Housing Type	Housing for Female Terminals
Connector System	Board-to-Component
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Product Type	Connector
LED	Without

Configuration Features

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

Body Features

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Offset	1.1 mm
Shell Plating Finish	Bright
Shell Plating Material	Nickel

Contact Features

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

Termination Features

Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

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

Housing Features

Body Orientation	Right Angle
Centerline (Pitch)	.5 mm[.019 in]
Housing Material	LCP (Liquid Crystal Polymer)
Housing Color	Black

Dimensions

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

Usage Conditions

Soldering Temperature (Max)	265 °C[179 °F]
Mating Cycles (Max)	10000
Operating Temperature Range	-55 – 85 °C[2 – 79 °F]

Operation/Application

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

Industry Standards

Moisture Sensitivity Level	1

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Test Identification (TID)	5588
Industry Standard	EIA
UL Flammability Rating	UL 94V-0

Packaging Features

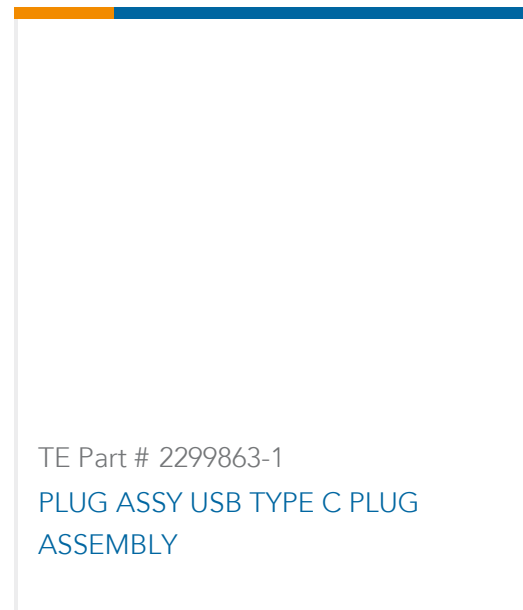| Packaging Method	Reel & Box
Packaging Quantity	6000

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: JUL 2021 (219) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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

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

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

Customers Also Bought

TE Part #1734592-6
FPC CONN. 0.5MM PITCH B/C, 6P

TE Part #1717254-4
EMBOSS ASSY DDR2 SODIMM
SOCKET 200P 5.2H

TE Part #2110304-1
SFP+ 1x1 Cage Assembly, Solder Tail

TE Part #1734366-3
Std USB Type A, VT, T/H, Blue

TE Part #2023246-2
ASS'Y SATA REC. R/A SMT TYPE 3.45H

TE Part #2174507-2
MICRO USB, TYPE B

TE Part #1-1734035-2
MINI USB, TYPE B, R/A, SMT

TE Part #6450863-5
MBXLE VERT RCPT 7ACP

TE Part #1747981-2
Std HDMI, RA, SMT

TE Part #2007435-3
Std HDMI, Flag, T/H

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

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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

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

Product Specifications

Test Report for USB 4.0 Connector

English

Product specification for USB 4.0 Connector

English