



UNIVERSAL SERIAL BUS: KUSBVX-SMT Series

USB Type C Socket, Vertical Mount, SMT Contacts

Product Features

USB Version 3.1
Gen 2 (10 Gbps)
Vertical Mount
SMT Contacts

Performance Specifications

Materials and Finish

Housing

High Temperature Thermoplastic, UL94V-0 Rated

Shell:

Stainless Steel, Nickel Plated

Contact Material

Copper Alloy

Contact plating

30μ" Gold Plated on Contact Area.

Matte Tin Plated on Solder Tails,

All over Nickel Underplate

Electrical Characteristics

Rated Current

5.0A Inclusive (1.25A Ea.) For Pins

A4, A9, B4 and B9 (VBUS)

1.25A Each For Pins, A5 and B5 (CC)

6.25A Inclusive (1.56A Ea.) For Pins

A1, A12, B1 and B12 (GND)

0.25A For All Other Pins (RX, TX)

Rated Voltage: 30V

Insulation Resistance

100 Megohms Min. at 250V DC

Contact Resistance

40 milliohms Max.

Dielectric Withstanding Voltage

100V AC RMS For 1 Minute

Mechanical Characteristics

Insertion Force: 5N - 20N

Withdrawal Force: 6N - 20N

Durability: 10000 Mating Cycles Min.

Operating Temperature:

-55°C to +85°C



Generated Part Number

KUSBVX-SMT-CS-B30TRC

Part Number Builder

KUSBVX-SMT

Series

CS

Type

B

Insulator
Color

30

Plating

TRC

Packaging

Series

KUSBVX-SMT - USB Type C Socket, Vertical Mount, SMT contacts

Type

CS - C Type

Insulator Color Option

B - Black

W - White

Plating Option

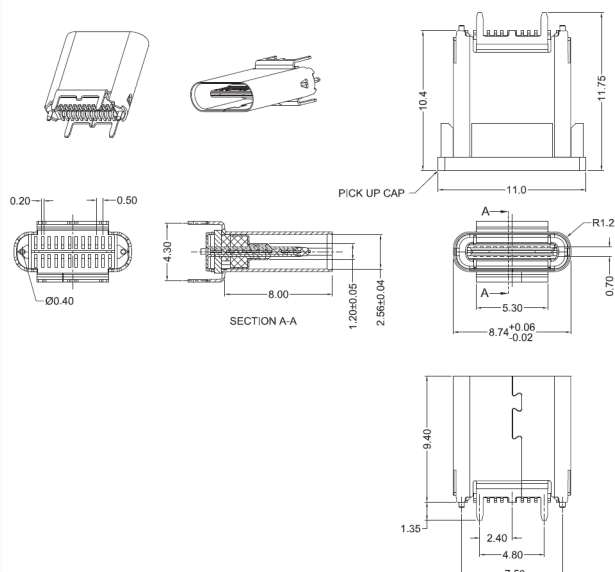
30 - 30μ" Gold Plating

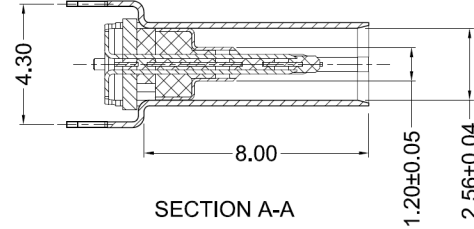
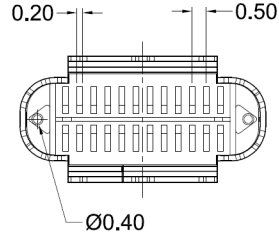
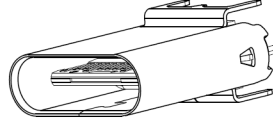
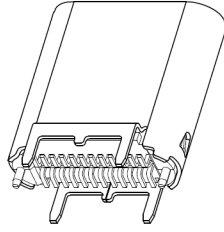
Packaging

TRC - Tape and Reel with Cap

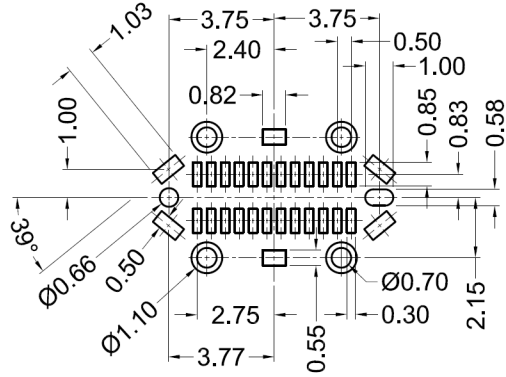
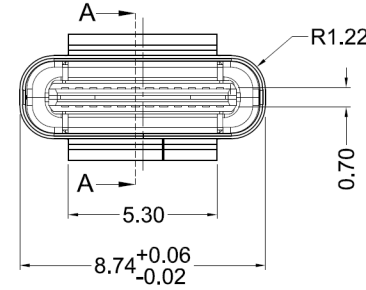
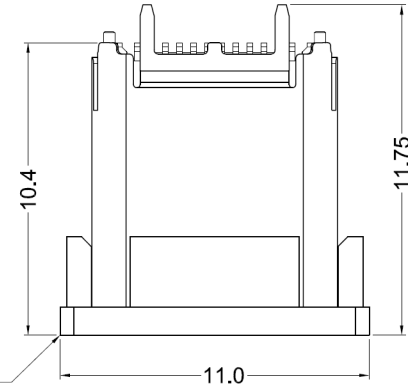
KUSBVX-SMT

Dimensions in mm

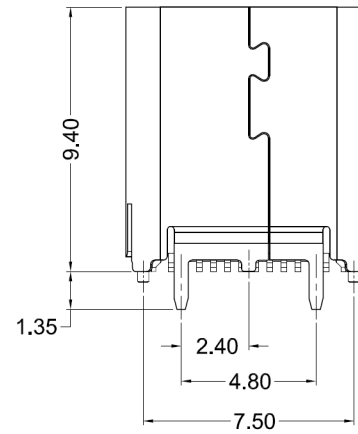




PICK UP CAP



Recommended PCB Layout
(Top View)



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Housing: High Temp Thermoplastic
UL 94V-0 Rated

Shell: Stainless Steel, Nickel Plated

Contact Material:
Copper Alloy

Contact plating:
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All over Nickel Underplate

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Operating Temperature:
-55°C to +85°C

Part Number	Insulator Color	Contact Area Plating	Packaging
KUSBVX-SMT-CS-B30TRC	Black	30u" Gold	Tape & Reel
KUSBVX-SMT-CS-W30TRC	White	30u" Gold	Tape & Reel

Tolerances

X.X ± 0.30
X.XX ± 0.20
Unless Stated
Otherwise

RoHS COMPLIANT

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A0	12/22/15	New Drawing	C. Kelleher	W. Cook	C. Kelleher	11/11/15
A1	12/30/15	Release Drawing	C. Kelleher	N/A		
A2	05/20/16	Add Dims	C. Kelleher	W. Cook		

KUSBVX-SMT-CS-x30TRC
(x = Insulator Color Option)

USB TYPE C SOCKET, VERTICAL, SMT,

30u" GOLD, MATTE TIN, T/R, W/CAP

