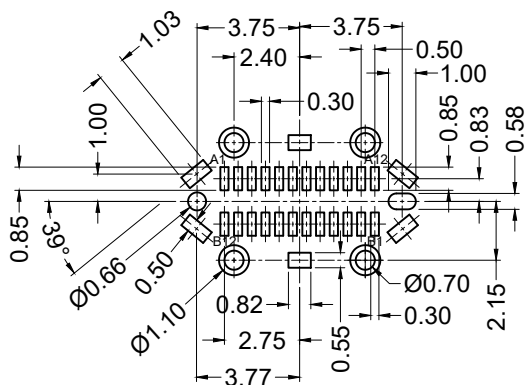
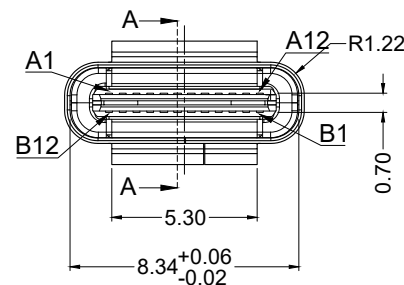
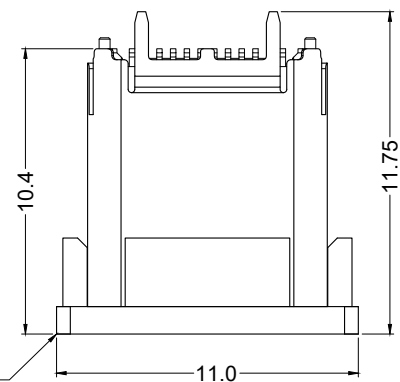
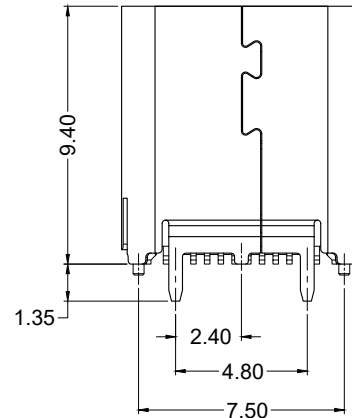


PICK UP CAP



Recommended PCB Layout
(Top View)



Materials and Finish

Housing: High Temp Thermoplastic
UL 94V-0 Rated

Shell: Stainless Steel, Nickel Plated

Contact Material:
Copper Alloy

Plating Options:
Standard-Gold Flash on Contact Area,
Matte Tin Plated on Solder Tails,
All over Nickel Underplate

30u" Gold Plated on Contact Area,
Matte Tin Plated on Solder Tails,
All over Nickel Underplate

Electrical Characteristics

Rated Current:

5.0A Collectively For Pins
A4, A9, B4, and B9 (VBUS)
1.25A For Pin B5 (VCONN)
5.0A Collectively For Pins
A1, A12, B1 and B12 (GND)
0.25A For All Other Pins

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

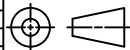
Withdrawal Force: 8N - 20N

Durability: 10000 Mating Cycles Min.

Operating Temperature:
-55°C to +85°C

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

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	12/30/15	Release Drawing	C. Kelleher	N/A		
A2	05/20/16	Add Dims	C. Kelleher	W. Cook	C. Kelleher	11/11/15
A3	12/28/18	ECO #18-074	G. Serrato	D. Shehan		
A4	07/17/20	ECO #20-020	G. Serrato	D. Shehan		
A5	10/27/25	ECO #25-079	K.Wang	C.Kelleher		
A6	04/08/26	ECO #26-011	K.Wang	C.Kelleher		



mm

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

USB Type C 3.2 GEN 2 Receptacle

Vertical, SMT, T/R, CAP

RoHS COMPLIANT



Tolerances

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