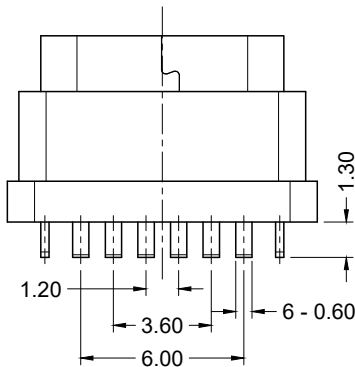
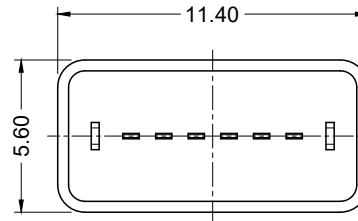
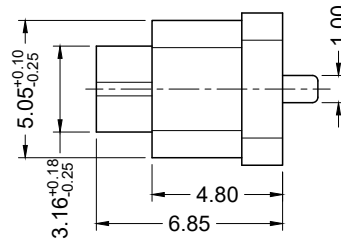
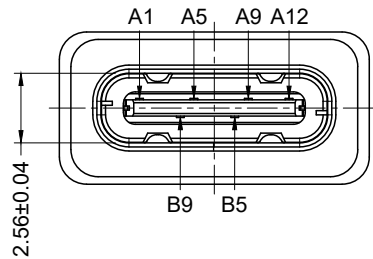
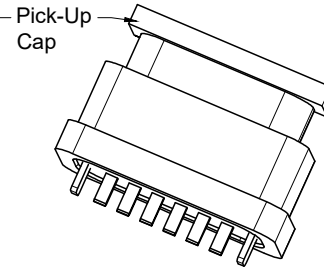
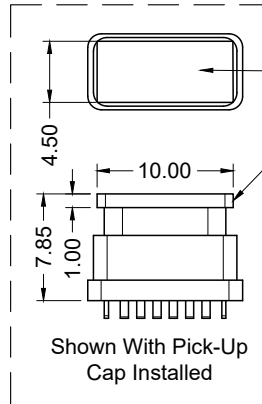
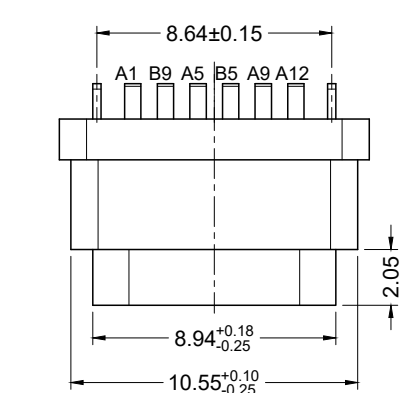
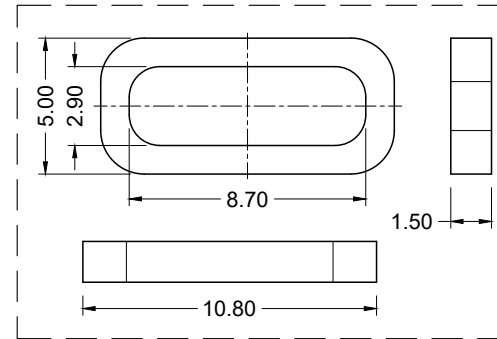


Recommended PCB Layout
Tolerance: ± 0.05 (Top View)



Gasket
(Included)

Materials and Finish

Insulator & Cap: High Temp.,
UL94V-0 Rated,
Color: Black

Contact Material:
Copper Alloy

Contact Plating:
Standard: Gold Flash Plated in
Contact Area, Matte Tin in Solder
Area.

Shell: Stainless Steel,
30u" Min. Nickel Plated

Gasket: Silicone Rubber, Black

Electrical Specifications

Current Rating: 3.0A

Rated Voltage: 28V

Contact Resistance:
40 Milliohms Max.

Insulation Resistance:
100 Megohms Min.

Dielectric Withstanding Voltage:
100V AC RMS For 1 Minute.

Mechanical Specifications

Insertion Force: 5N - 20N

Extraction Force: 8N - 20N
(6N - 20N After 10,000 Cycles)

Durability: 10,000 Cycles

Operating Temperature:
-20°C to 85°C

Ingress Protection: IP67

USB Type-C Pin Assignments

Pin	Signal	Pin	Signal
A5	CC1	A1	GND
A9	Vbus	B9	Vbus
A12	GND	B5	CC2

Tolerances

X.X ± 0.35
X.XX ± 0.25
Unless Stated
Otherwise

RoHS COMPLIANT

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A0	12/18/24	New Drawing	C. Kelleher	C. Kelleher	C. Kelleher	12/11/24
A0.1	01/10/25	Add Gasket, Voltage	C. Kelleher	C. Kelleher	C. Kelleher	
A1	04/23/25	Release Drawing	K.Wang	C. Kelleher	C. Kelleher	
A1.1	05/07/25	Update Drawing	K.Wang	C. Kelleher	C. Kelleher	

KUSBV67X-TH-CS-6-BTR

IP67 USB Type C Receptacle, Vertical, Thru-Hole,

6 Pin, Black, Tape & Reel W/Pick-up Cap, RoHS



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