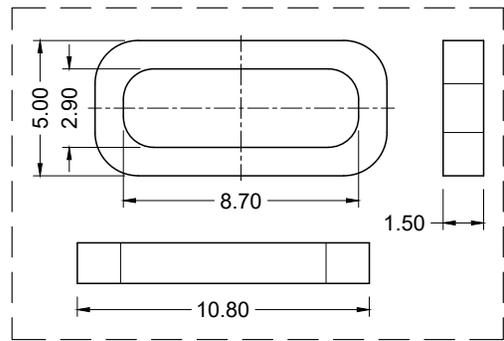


Recommended PCB Layout
Tolerance: ±0.05 (Top View)



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	B12	GND
A9	Vbus	B9	Vbus
A12	GND	B5	CC2

Tolerances

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



PRELIMINARY
PART IN DESIGN
SPECIFICATION SUBJECT TO CHANGE

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		

KUSBV67X-TH-CS-6-BTR

IP67 USB Type C Receptacle, Vertical, Thru-Hole,
6 Pin, Black, Tape & Reel W/Pick-up Cap, RoHS

