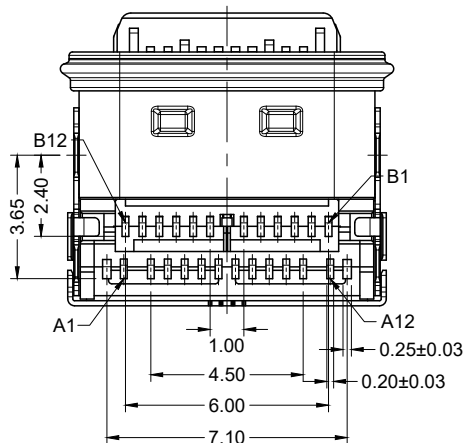
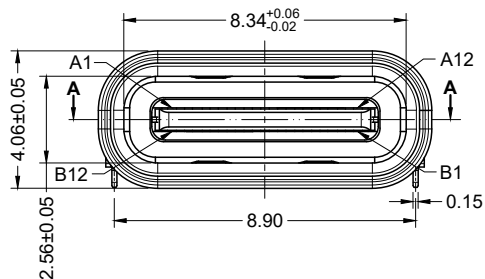
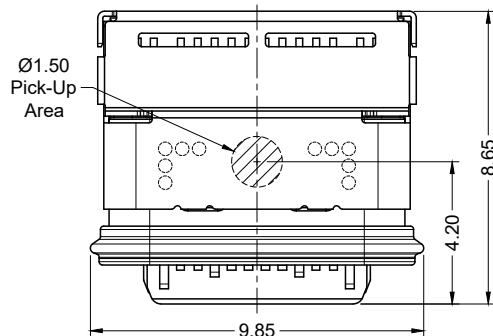
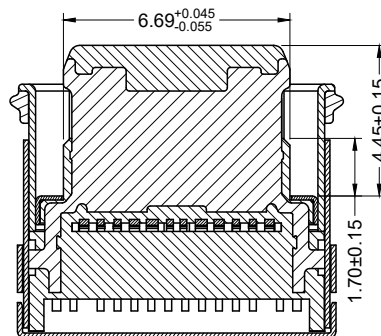
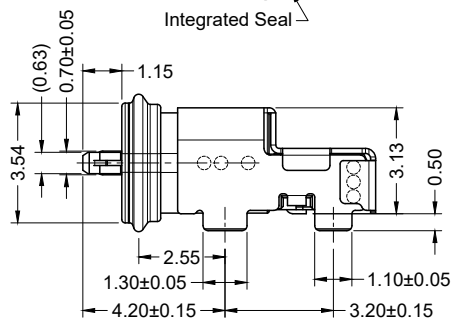
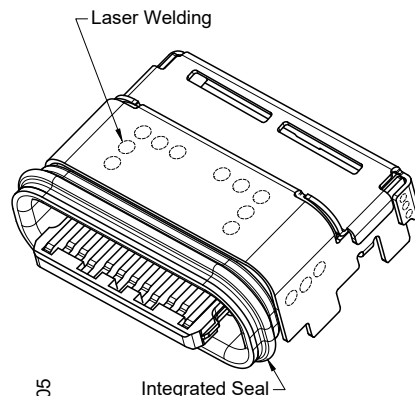




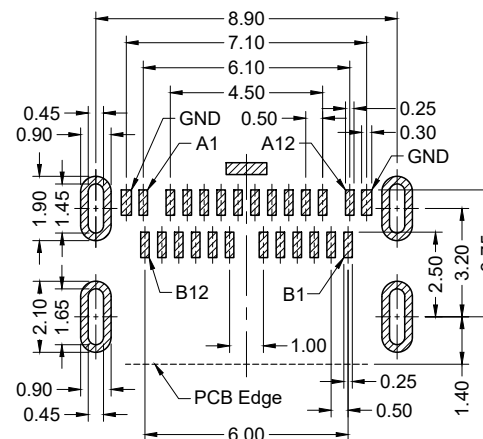
PRELIMINARY

PART IN DESIGN
SPECIFICATION SUBJECT TO CHANGE

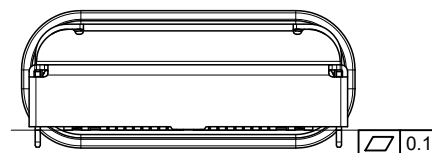


SECTION A-A

Part Number	Contact Plating
KUSB67X-SMT-CS-BTR	Gold Flash
KUSB67X-SMT-CS-B30TR	30u" Gold



Recommended PCB Layout
(Tolerance: ± 0.05)



Pin	Signal Name	Mate Seq.	Pin	Signal Name	Mate Seq.
A1	GND	First	B12	GND	First
A2	SSTXp1	Last	B11	SSRXp1	Last
A3	SSTXn1	Last	B10	SSRXn1	Last
A4	VBUS	First	B9	VBUS	First
A5	CC1	Last	B8	SBU2	Last
A6	Dp1	Last	B7	Dn2	Last
A7	Dn1	Last	B6	Dp2	Last
A8	SBU1	Last	B5	CC2	Last
A9	VBUS	First	B4	VBUS	First
A10	SSRXn2	Last	B3	SSTXn2	Last
A11	SSRXp2	Last	B2	SSTXp2	Last
A12	GND	First	B1	GND	First

Materials and Finish

Insulator: High Temp.

UL94V-0 rated

Color- Black

Contact Material:

Copper Alloy

Contact plating:

Standard: Gold Flash Plated on

Contact Area and Solder Tails,
All over Nickel Underplate

30: 30u" Gold Plated on Contact Area, Gold Flash Plated on Solder Tails. All over Nickel Underplate

Shield: Stainless Steel.

Nickel plated

Seal: Silicone Rubber

Electrical Characteristics

Rated Current: 5A Collectively for
VBUS Pins (A1, A4, A9, A12),
& for GND Pins (B1, B4, B9, B12),
1.25A For CC & SBU Pins,
0.25A For Other Signal Pins.

Insulation Resistance:
100 Megohms Min.

Contact Resistance:
40 milliohms Max.

Dielectric Withstanding Voltage:
100V AC (RMS) For 1 Minute

Mechanical Characteristics

Durability: 10,000 Mating Cycles

Insertion Force: 5N~20N

Extraction Force :
6N~20N After Durability

Operating Temperature:
-25°C to +85°C

IP Rating: IP67

Seal: Integrated With Shield

Tolerances
X.X $\pm$ 0.25
X.XX $\pm$ 0.20
Unless Stated Otherwise

RoHS COMPLIANT



REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A0	02/01/23	New Drawing	C. Kelleher	C. Furumasu	C. Kelleher	02/01/23
A0.1	02/06/23	IP Rating & Seal Notes	C. Kelleher	C. Furumasu		
						UNITS
						mm

KUSB67X-SMT-CS-BTR

IP67 USB Type C Socket, 2-Row SMT,

Right Angle, Gold Contacts, Black, T/R

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Kycon:](#)

[KUSB67X-SMT-CS-BTR](#) [KUSB67X-SMT-CS-B30TR](#)