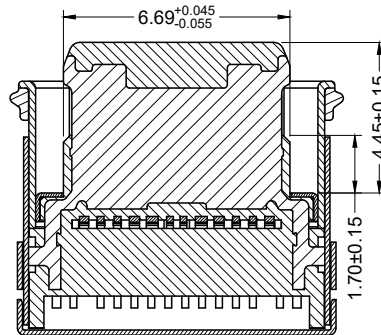
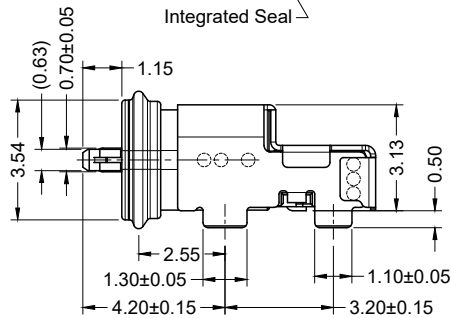
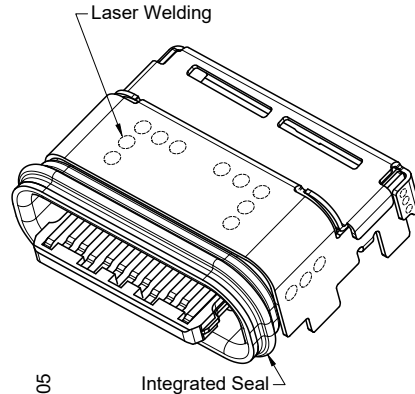
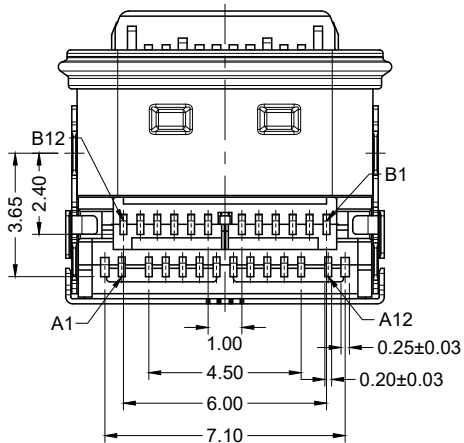
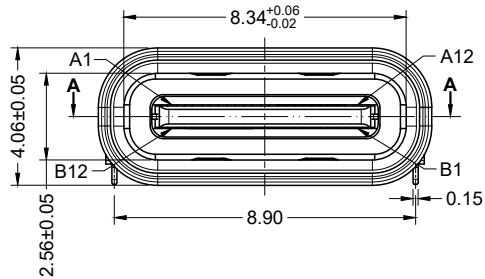
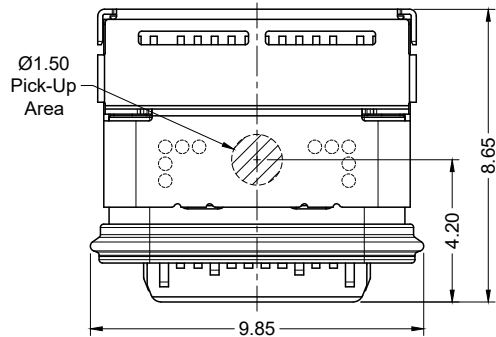
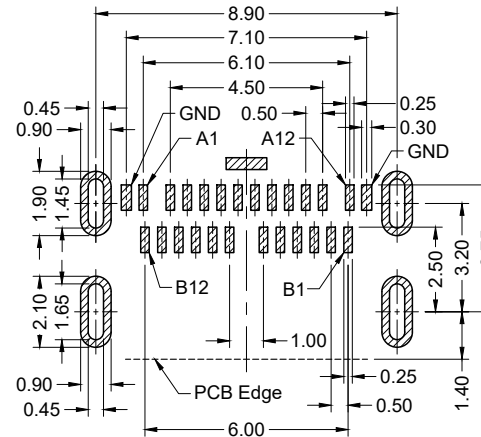
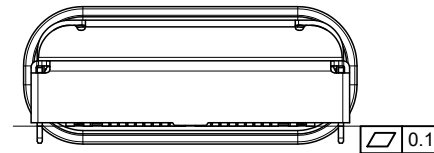




SECTION A-A

| 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: 8N~20N

6N~20N After Durability

Operating Temperature:

-25°C to +85°C

IP Rating: IP67

Seal: Integrated With Shield

### Tolerances

X.X ± 0.25

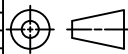
X.XX ± 0.20

Unless Stated

Otherwise

RoHS COMPLIANT

| REV. | DATE     | DESCRIPTION            | REV. BY     | CHK. BY     | DRAWN BY    | DATE     |
|------|----------|------------------------|-------------|-------------|-------------|----------|
| A0   | 02/01/23 | New Drawing            | C. Kelleher | C. Furumasa | C. Kelleher | 02/01/23 |
| A0.1 | 02/06/23 | IP Rating & Seal Notes | C. Kelleher | C. Furumasa |             |          |
| A1   | 04/17/23 | Release Drawing        | C. Kelleher | C. Furumasa |             |          |
| A2   | 05/31/23 | Update Specs.          | C. Kelleher | C. Furumasa |             |          |



KUSB67X-SMT-CS-BTR

IP67 USB Type C Socket, 2-Row SMT,

Right Angle, Gold Contacts, Black, T/R

