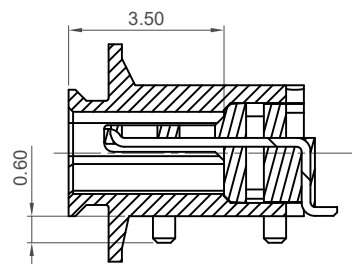
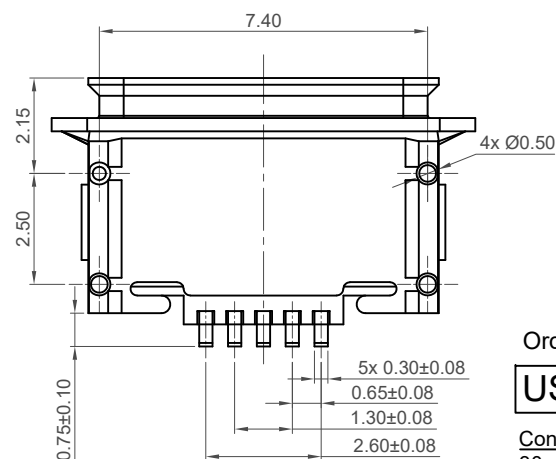
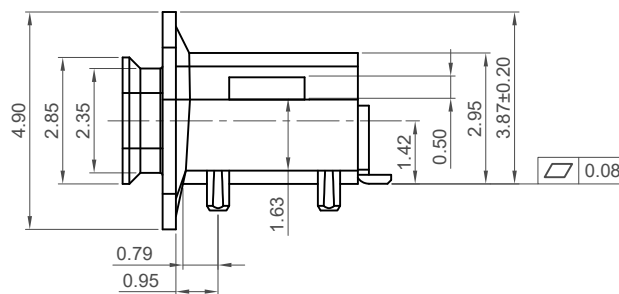
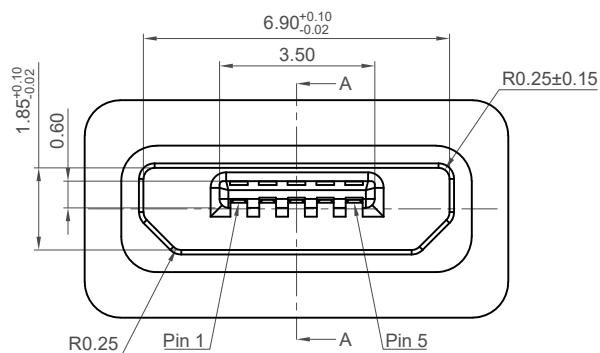


Recommended PCB Layout

As viewed from component side Tolerance: ±0.03mm

Recommended PCB Thickness: 0.60mm

■ Solder Area □ Component Outline



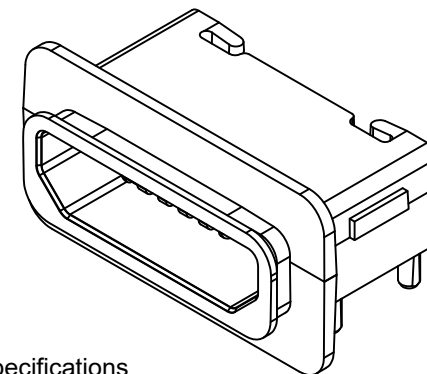
Section A-A

Ordering Grid

USB3505 — 30 — A Request Samples and Quotation

Contact Plating
30 = 30μ" Gold

Packing Options
A = Tape & Reel
(1,000 per reel)



Specifications

Material

Insulator: High Temp. Plastic UL 94V-0, Black

Contact: Copper Alloy

Shell (including pegs): Stainless Steel

Plating

Contact

Contact Area: 30μ" Gold

Solder Tails: 75u"-150u" Matte Tin

Under Plating: 50u" Min Nickel

Shell: 50μ"-80μ" Nickel over all

Electrical

Current Rating: Signal (Pins 2,3,4): 1.0A

Power (Pins 1,5): 1.8A

Voltage Rating: 30V AC

Contact Resistance: 30mΩ max.

Dielectric Withstanding Voltage: 100V AC

Insulation Resistance 1000MΩ min

Mechanical & Environmental

Operating Temperature: -30°C to +85°C

Mating Force: 35N max.

Unmated Force: 8N min.

Durability: 10,000 cycles

Ingress Protection Rating: IP67

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|--------------|------------------|--|----------------------|
| Part Number | | Product Description | |
| USB3505 | | Micro USB Type B Receptacle, Top-Mount, IP67 | |
| Drawing Date | | 6th September 2019 | |
| By | CC | Tolerances (Except as Noted) | Units: |
| Detail | USB3505 B PCN | Length X. ± 0.50 X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10 | Metric (mm) |
| Revision | B | Angle ± 1° | 3rd Angle Projection |
| Date | 21/02/22 | | |

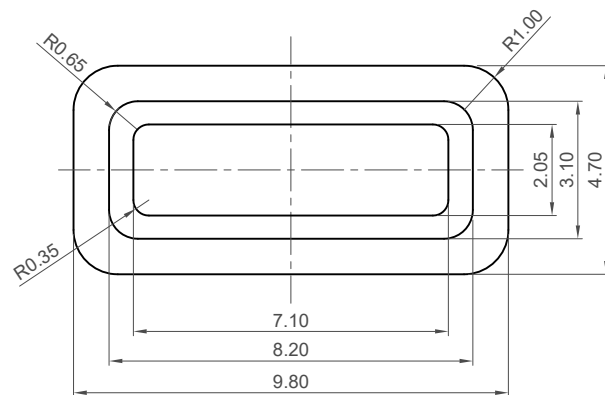
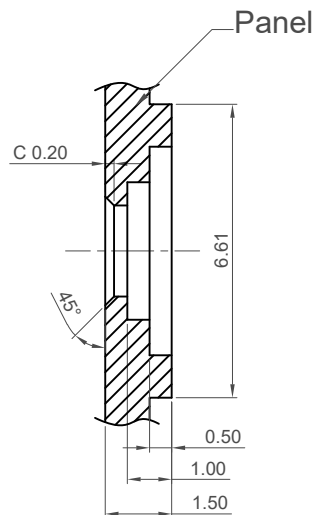


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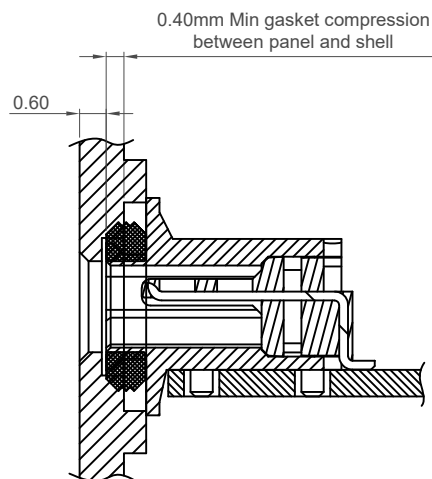
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CC
Sheet No.
1/4

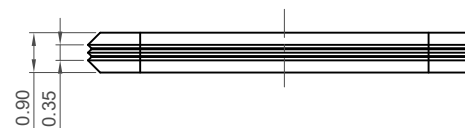
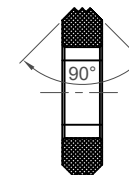
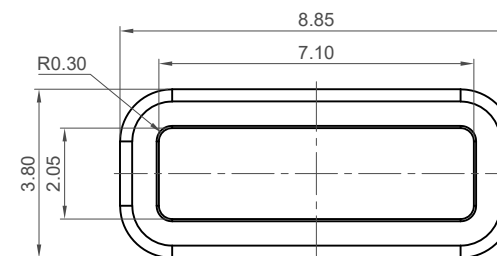
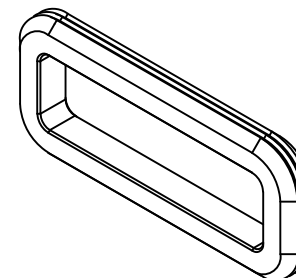
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Recommended Panel Spec
Tolerance: $\pm 0.05\text{mm}$



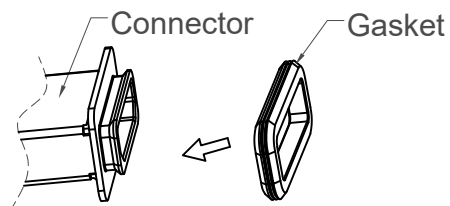
(Suggest compression 40-50% of gasket thickness)



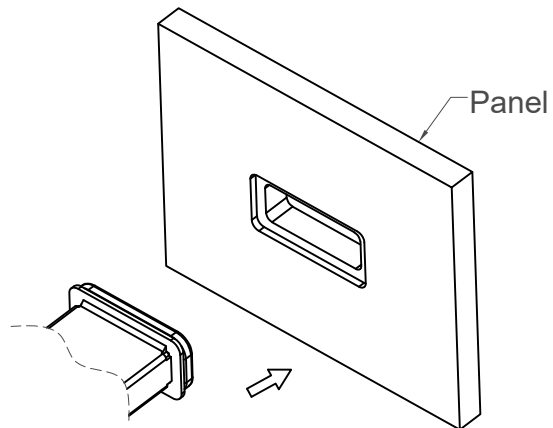
Recommended Waterproof Gasket Spec
Gasket Part No.: USBTJ-02
(Gasket must be ordered separately)
(See separate datasheet for specification)

| | | | |
|------------------------------------|----------------|--|--|
| Part Number USB3505 | | Product Description Micro USB Type B Receptacle, Top-Mount, IP67 | |
| Drawing Date 6th September 2019 | | | |
| By CC | | Tolerances (Except as Noted) | Units: Metric (mm) |
| Detail USB3505 B PCN | | Length X. ± 0.50 X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10 | Angle $\pm 1^\circ$ |
| Revision B | | | |
| Date 21/02/22 | | | |
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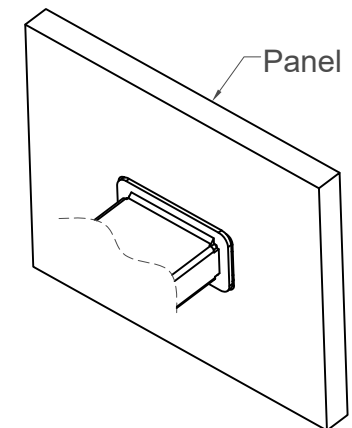
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Step 1






Step 2



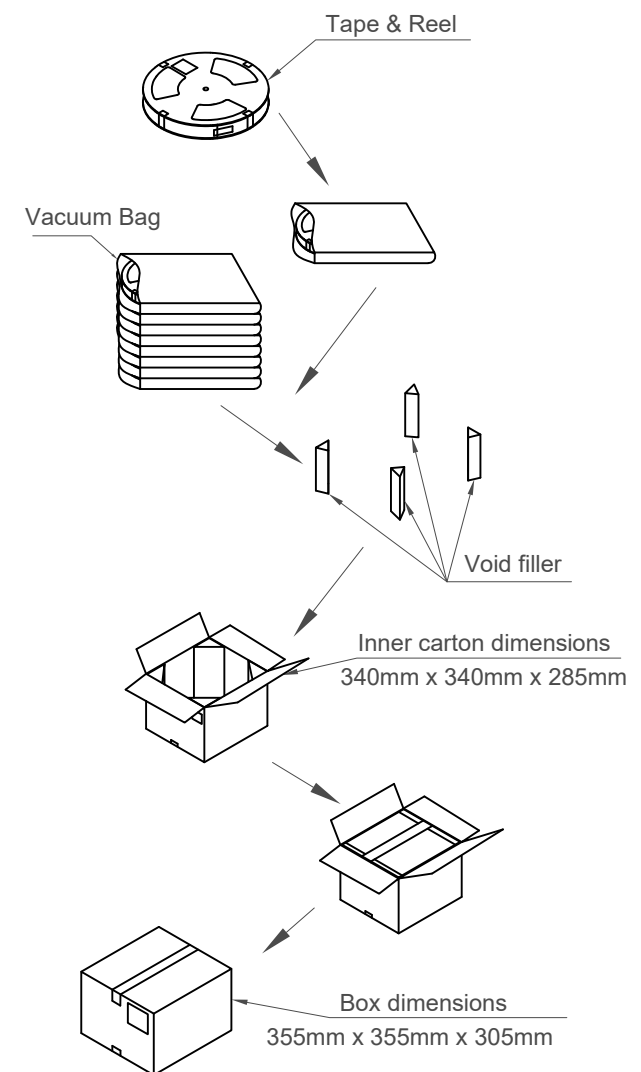
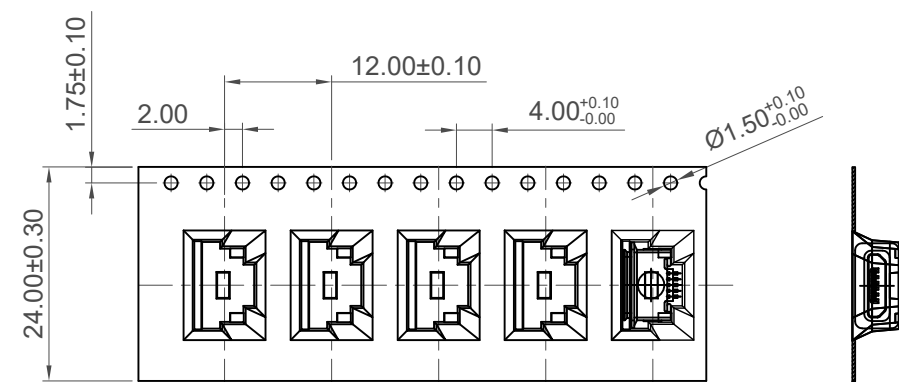
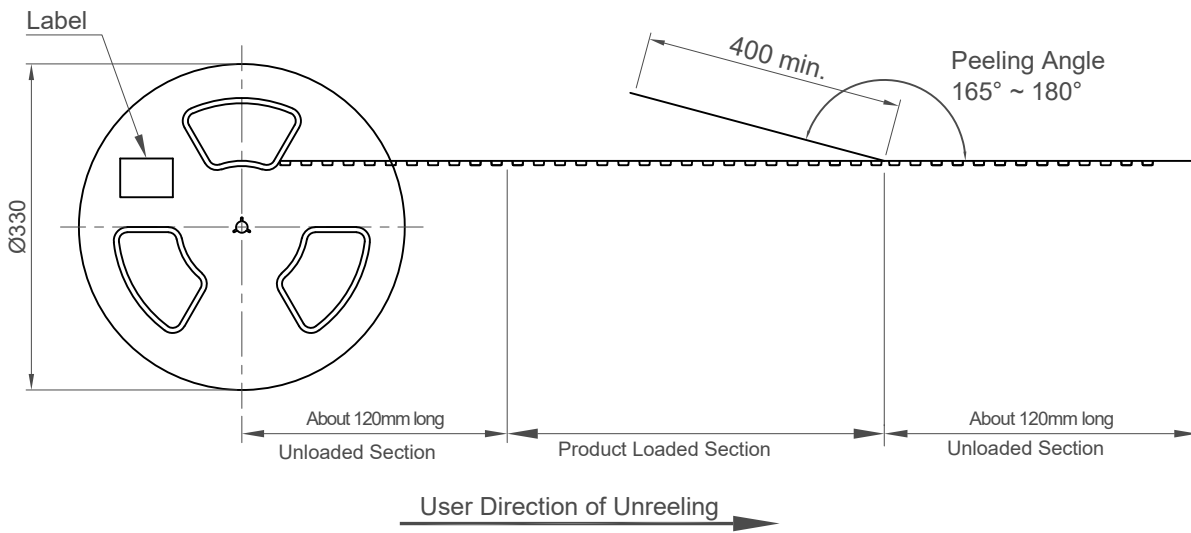
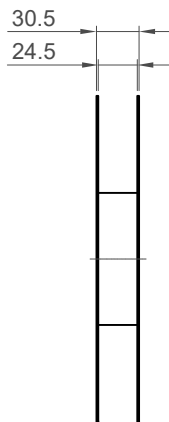
Step 3

Assembly instruction for Gasket set after Reflow
Available for Micro USB Waterproof Series

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|--------------------|------------------|--|-----------------------|---|---|
| Part Number | | Product Description | | | |
| USB3505 | | Micro USB Type B Receptacle,Top-Mount,IP67 | | | |
| Drawing Date | | | | | |
| 6th September 2019 | | | | | |
| By | CC | Tolerances (Except as Noted) Length Angle | Units: Metric (mm) |  |  This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE |
| Detail | USB3505 B PCN | | | | |
| Revision | B |  3rd Angle Projection | | | |
| Date | 21/02/22 | | | | |
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| Pcs / Reel | Reels / Carton | Total Quantity |
|------------|----------------|----------------|
| 1000 | 9 | 9000 |

Notes:
Peeling off force of top tape: 0.1-1.3N (Peeling direction as shown)

Materials:
Carrier Tape: Polystyrene (PS)
Top Tape: PE
Reel Tape: Polystyrene (PS)
Bag: PE

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|------------------------------------|--|--|--|---|
| Part Number USB3505 | | Product Description Micro USB Type B Receptacle, Top-Mount, IP67 | |  www.gct.co |
| Drawing Date 6th September 2019 | | | | |
| By CC | Tolerances (Except as Noted) Length Angle | Units: Metric (mm) | | |
| Detail USB3505 B PCN | | | | |
| Revision B | Date 21/02/22 | | |   |
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