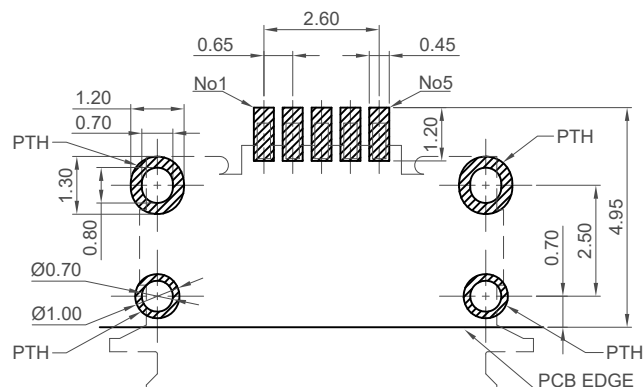
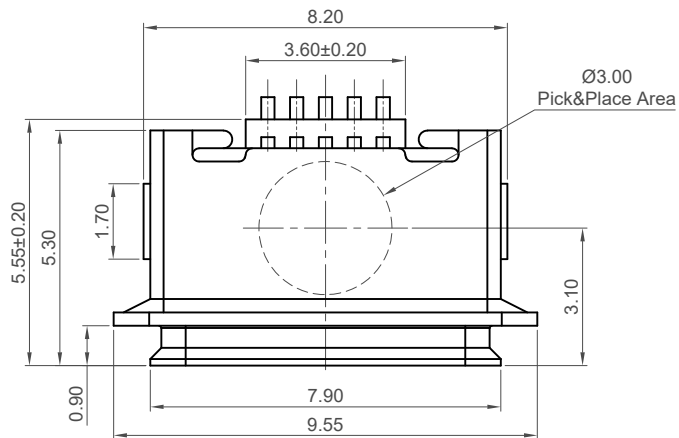


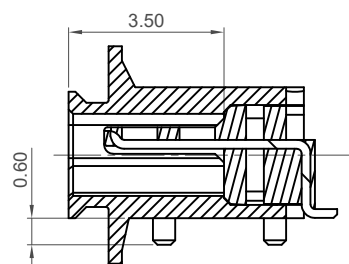
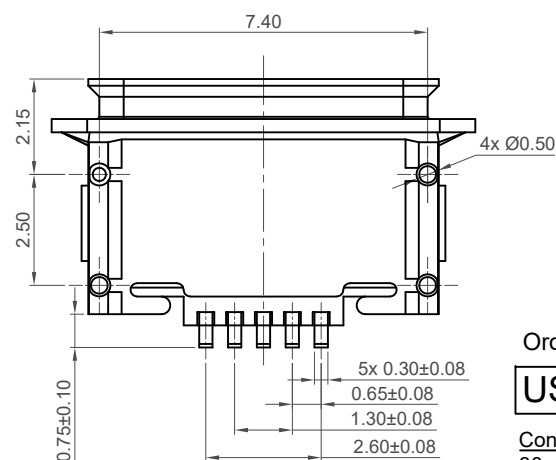
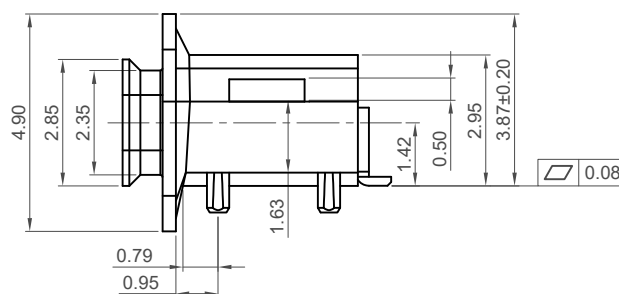
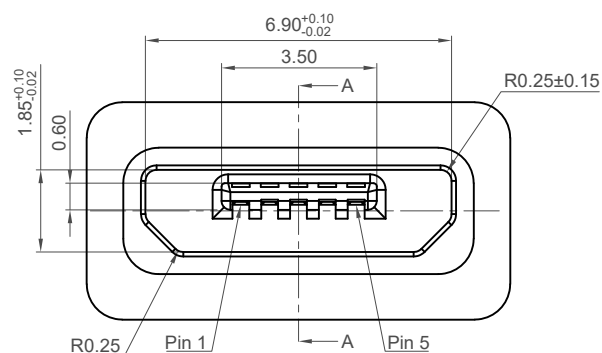


Recommended PCB Layout

As viewed from component side Tolerance: ±0.03mm

Recommended PCB Thickness: 0.60mm

■ Solder Area □ Component Outline



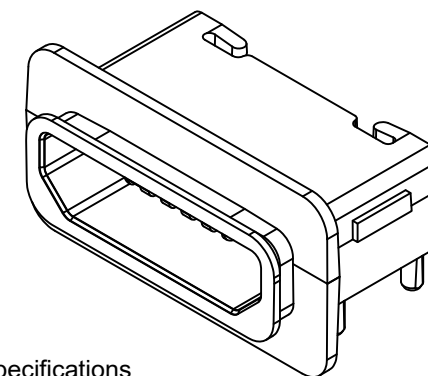
Section A-A

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.

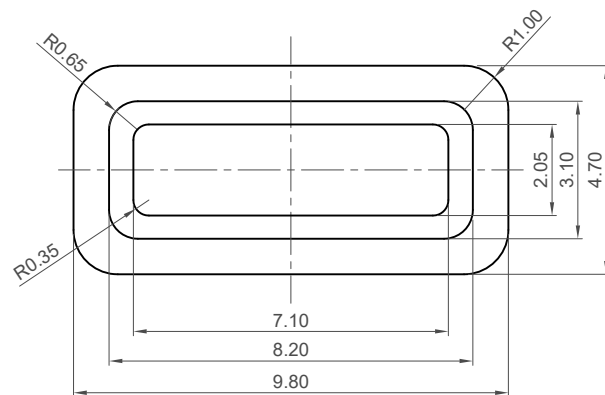
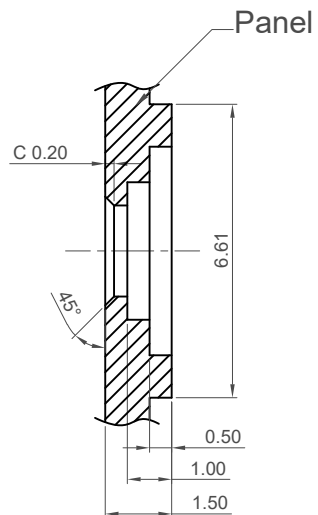
Durability: 10,000 cycles

Ingress Protection Rating: IP67

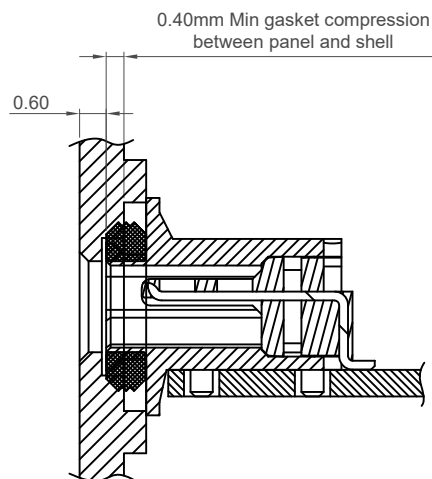
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Drawing Date 6th September 2019			
By CC		Tolerances (Except as Noted)	Units: Metric (mm)
Detail USB3505 B PCN		Length X. ± 0.50 X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10	Angle ± 1°
Revision B			3rd Angle Projection
Date 21/02/22			
		This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE	
		Not to Scale	Drawn By CC
			Sheet No. 1/4

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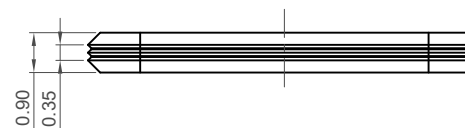
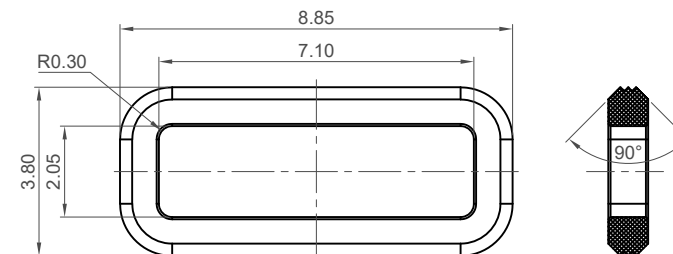
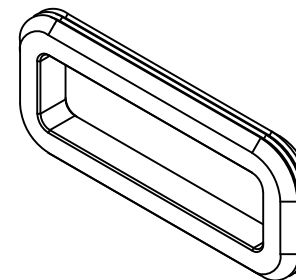
H
G
F
E
D
C
B
A



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			3rd Angle Projection
Date 21/02/22			
		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	
		Not to Scale	Drawn By CC
			Sheet No. 2/4

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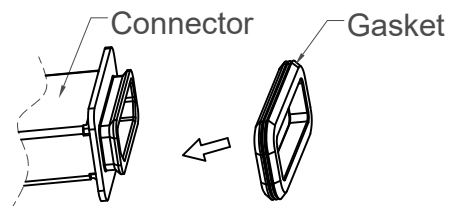
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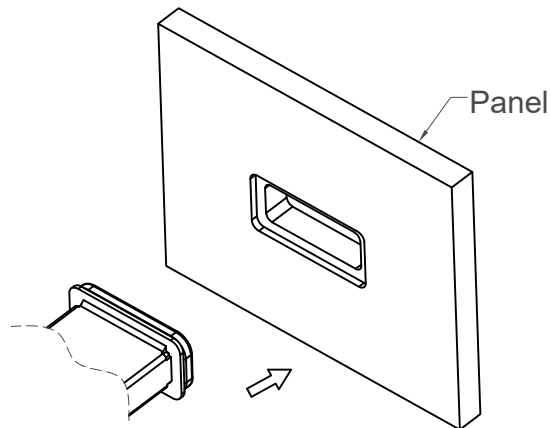
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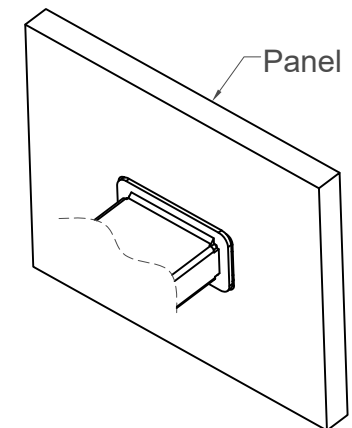
8



Step 1



Step 2



Step 3

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

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	Units: Metric (mm)
Detail	USB3505 B PCN		
Revision	B	3rd Angle Projection	RoHS COMPLIANT 2011/65/EU Deco-BIDE © 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
Date	21/02/22		

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