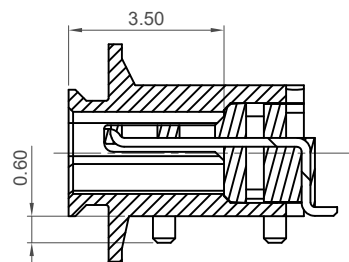
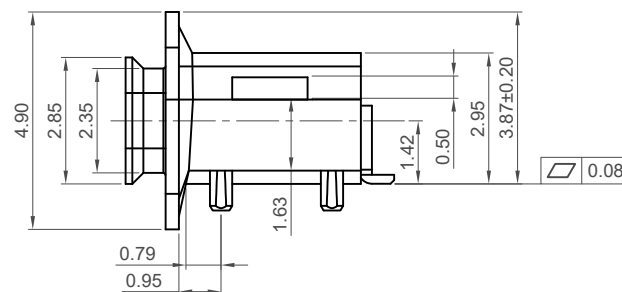
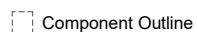
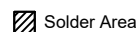


As viewed from component side Tolerance:  $\pm 0.03\text{mm}$   
Recommended PCB Thickness: 0.60mm

 Solder Area       Component Outline

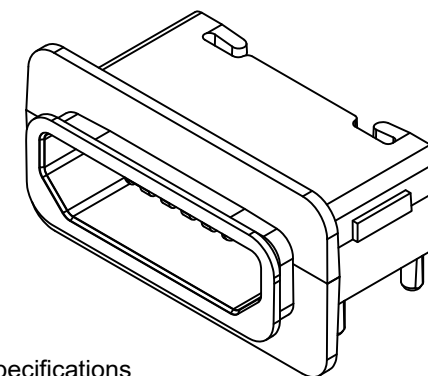


Section A-A

USB3505-30-A [Request Samples and Quotation](#)

Contact Plating  
30 = 30μ" Gold

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



Insulator: High Temp. Plastic UL 94V-0, Black  
Contact: Copper Alloy  
Shell(including pegs):Stainless Steel





## Contact

Contact Area: 30μ" Gold  
Solder Tails: 75u"-150u' Matte Tin  
Under Plating: 50u" Min Nickel  
Shell: 50μ"-80μ" Nickel over all

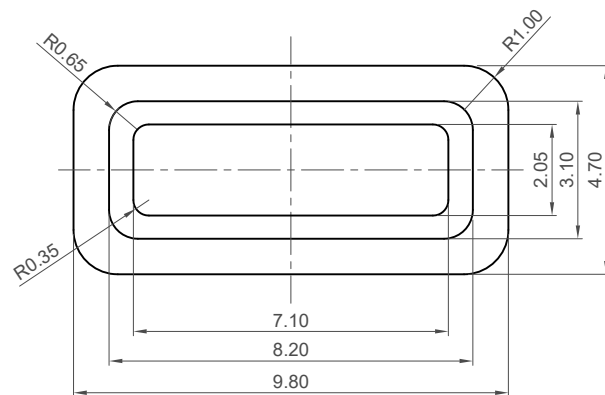
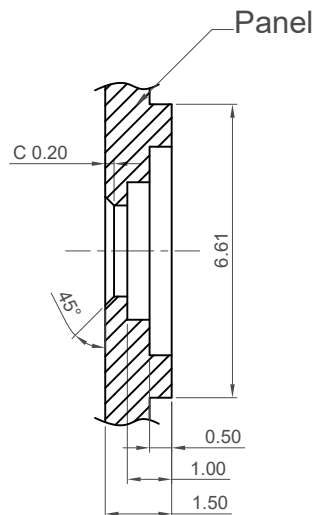
Current Rating: Signal (Pins 2,3,4): 1.0A  
Power (Pins 1,5): 1.8A

Voltage Rating: 30V AC  
Contact Resistance: 30mΩ max.  
Dielectric Withstanding Voltage: 100V AC  
Insulation Resistance 1000MΩ min

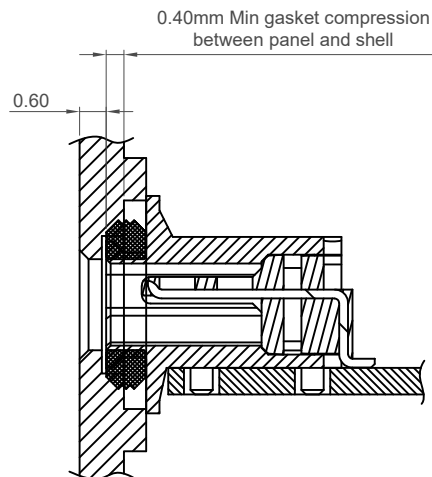
Operating Temperature: -30°C to +85°C  
Mating Force: 35N max.  
Unmated Force: 8N min.  
Durability: 10,000 cycles  
Ingress Protection Rating: IP67

Part Number		Product Description				 www.gct.co			
USB3505									
Drawing Date									
6th September 2019									
By	CC	Tolerances (Except as Noted)		Units:		 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
Detail	USB3505 B PCN	Length	Angle	Metric (mm)					
Revision	B	X: $\pm 0.50$ X.X $\pm 0.30$ X.XX $\pm 0.20$ X.XXX $\pm 0.10$	$\pm 1^\circ$	 3rd Angle Projection					
Date	21/02/22								

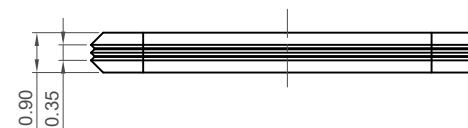
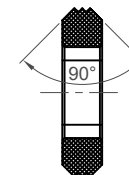
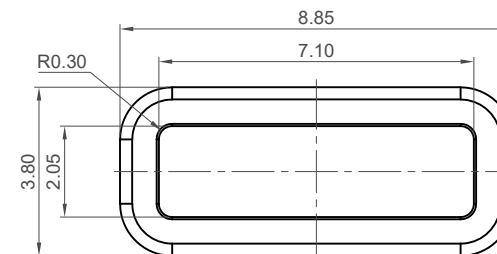
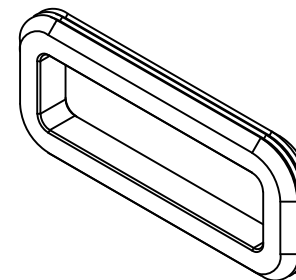
H  
G  
F  
E  
D  
C  
B  
A



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



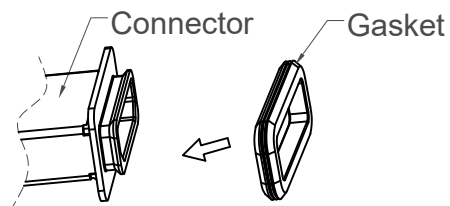
(Suggest compression 40-50% of gasket thickness)



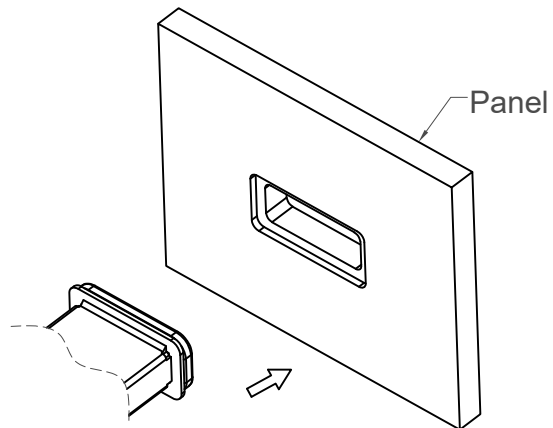
**Recommended Waterproof Gasket Spec**  
Gasket Part No.: USBTJ-02  
(Gasket must be ordered separately)  
(See separate datasheet for specification)

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. $\pm 0.50$ X.X $\pm 0.30$ X.XX $\pm 0.20$ X.XXX $\pm 0.10$	Angle $\pm 1^\circ$
Revision B			
Date 21/02/22			
		<div> </div>	
		<div>  This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E &amp; OE </div>	
Not to Scale		Drawn By CC	Sheet No. 2/4

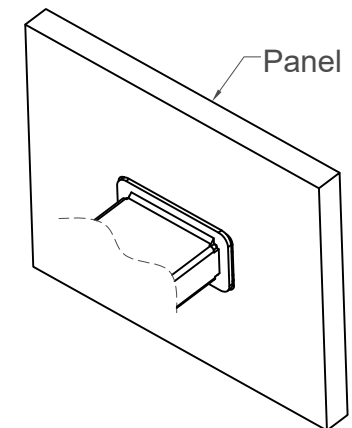
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Step 1







Step 2



Step 3

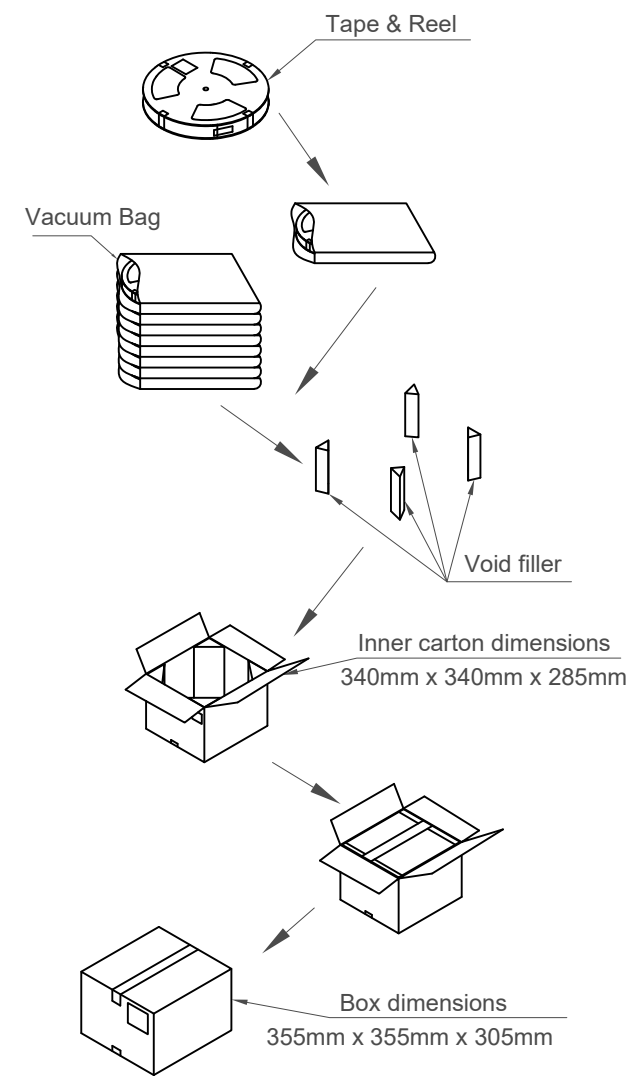
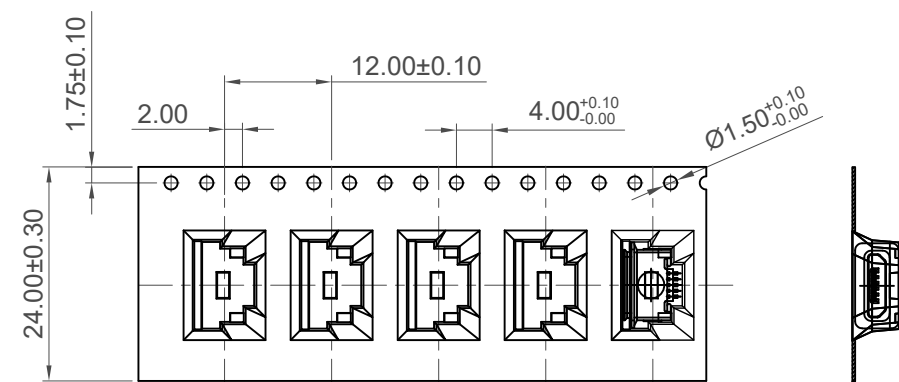
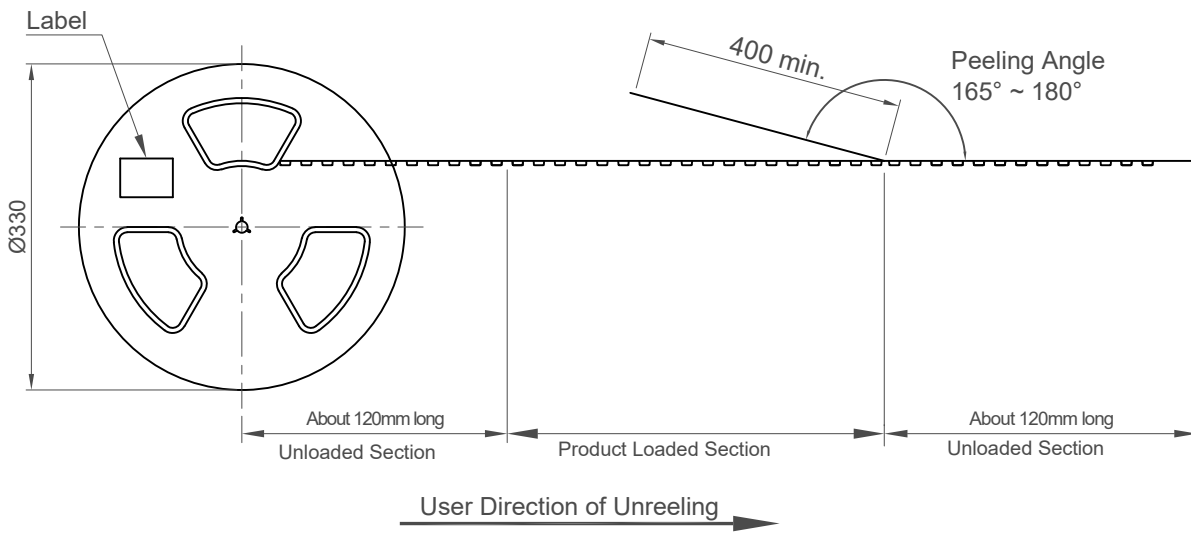
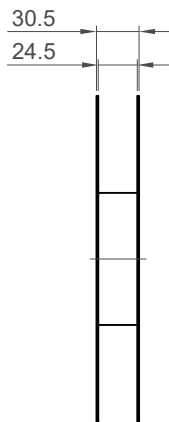
Assembly instruction for Gasket set after Reflow  
Available for Micro USB Waterproof Series

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                      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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	Sheet No. 3/4

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H  
G  
F  
E  
D  
C  
B  
A



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

Part Number USB3505		Product Description Micro USB Type B Receptacle, Top-Mount, IP67		 <a href="http://www.gct.co">www.gct.co</a>
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			 
		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. 4/4