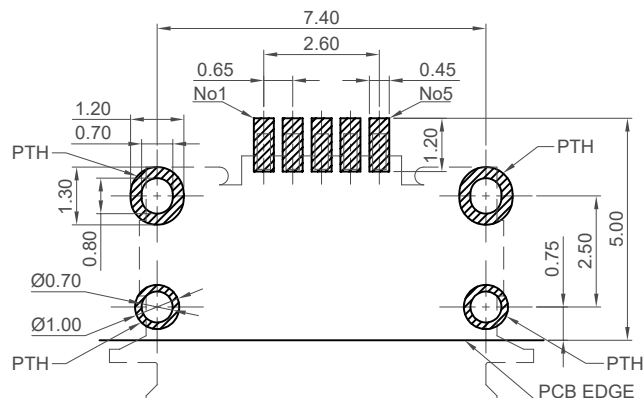
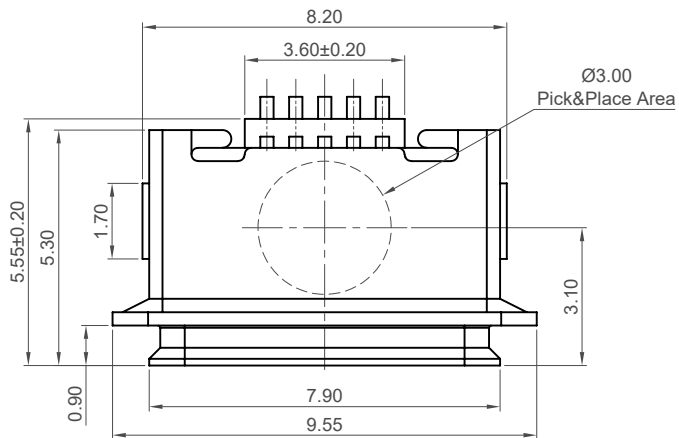
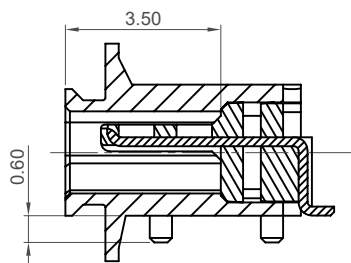
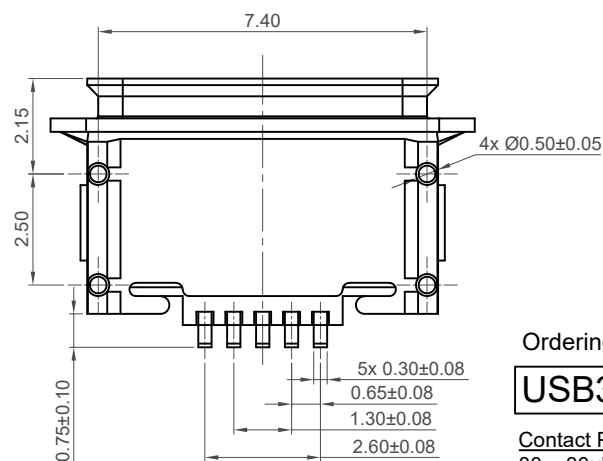
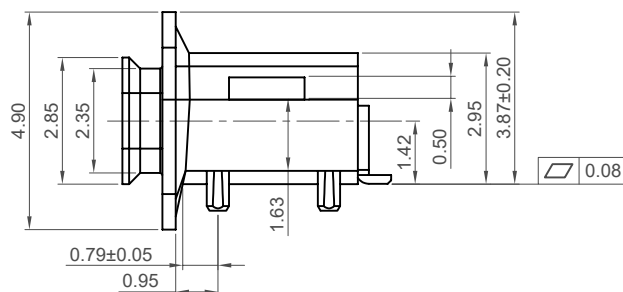
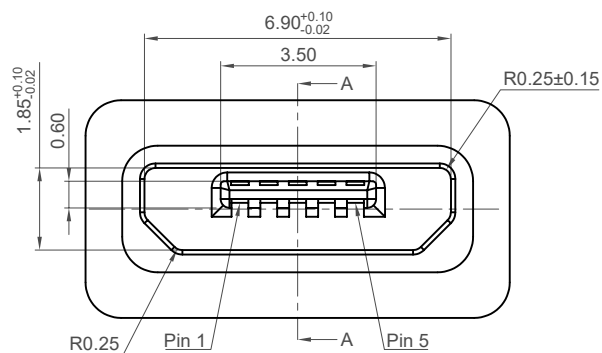




Recommended PCB Layout
As viewed from component side Tolerance: $\pm 0.03\text{mm}$
Recommended PCB Thickness: 0.60mm

■ Solder Area □ Component Outline



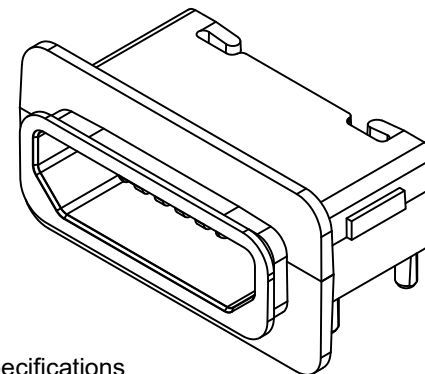
Section A-A

Ordering Grid

USB3505 — **30** — **A** Request Samples and Quotation

Contact Plating
30 = $30\mu\text{m}$ 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: $30\mu\text{m}$ Gold
Solder Tails: $75\mu\text{m}$ - $150\mu\text{m}$ Matte Tin
Under Plating: $50\mu\text{m}$ Min Nickel
Shell: $50\mu\text{m}$ - $80\mu\text{m}$ 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: $30\text{m}\Omega$ max.
Dielectric Withstanding Voltage: 100V AC
Insulation Resistance 1000M Ω min

Mechanical & Environmental

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

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 C PCN	Length: X. ± 0.50	Metric (mm)
Revision	C1	Angle: X.X ± 0.30	± 1°
Date	03/03/25	X.XX ± 0.20	3rd Angle Projection
		X.XXX ± 0.10	

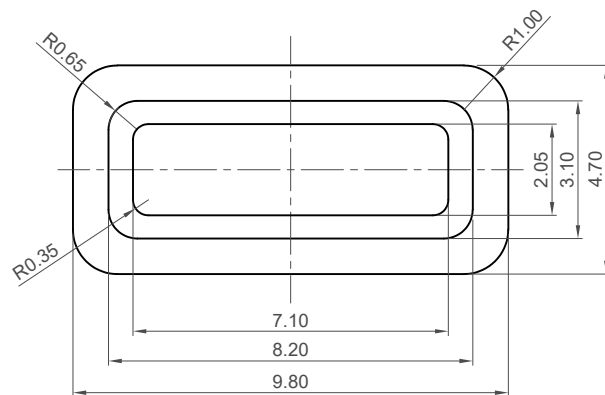
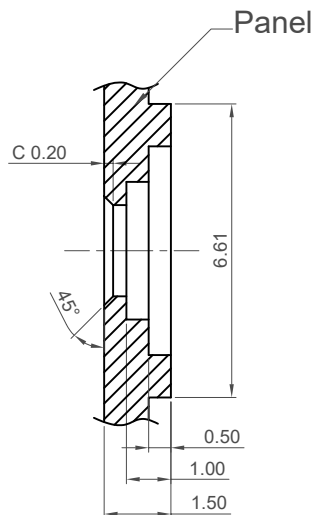


This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE

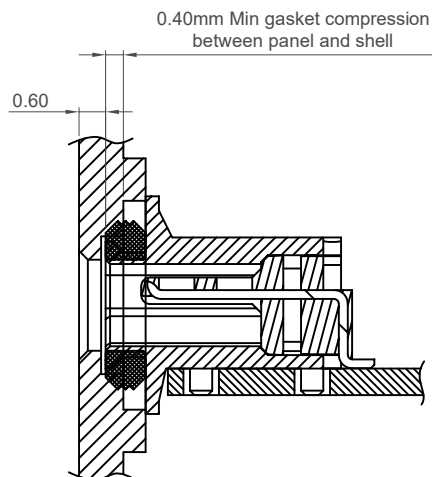
GCT
www.gct.co

Not to Scale Drawn By CC Sheet No. 1/4

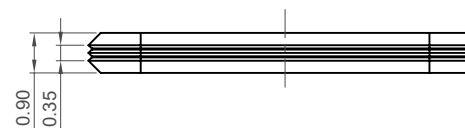
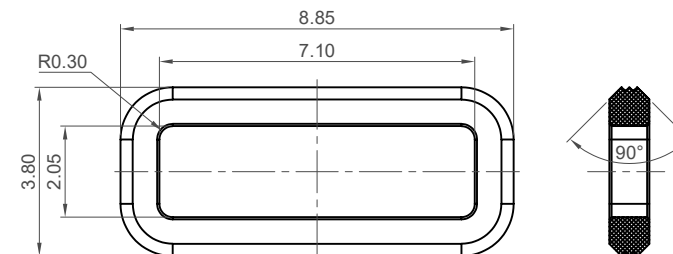
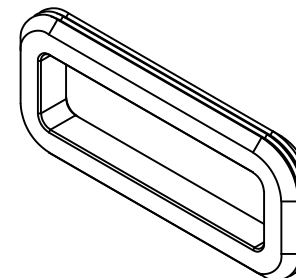
H
G
F
E
D
C
B
A



Recommended Panel Spec
Tolerance: ±0.05mm



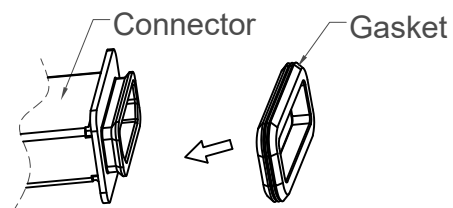
(Suggest compression 40-50% of gasket thickness)



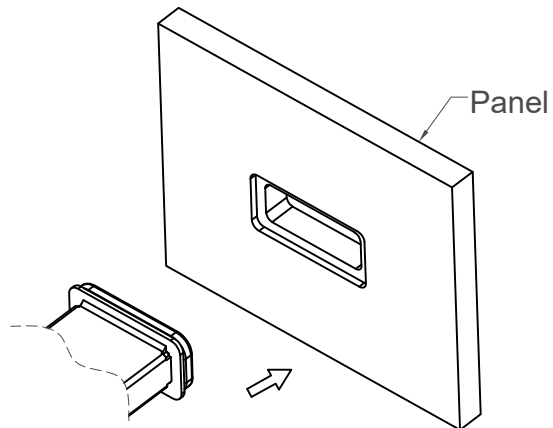
Recommended Waterproof Gasket Spec
Gasket Part No.: USBTJ-02
(Gasket must be ordered separately)
(See separate datasheet for specification)

Part Number		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 C PCN	Length: X. ± 0.50 X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10	Metric (mm)
Revision	C1	Angle: ± 1°	
Date	03/03/25		
		3rd Angle Projection	
			
		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

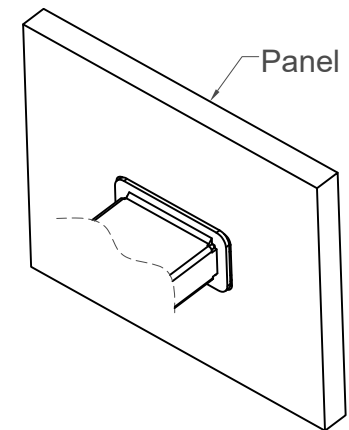
GCT
www.gct.co



Step 1



Step 2



Step 3

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

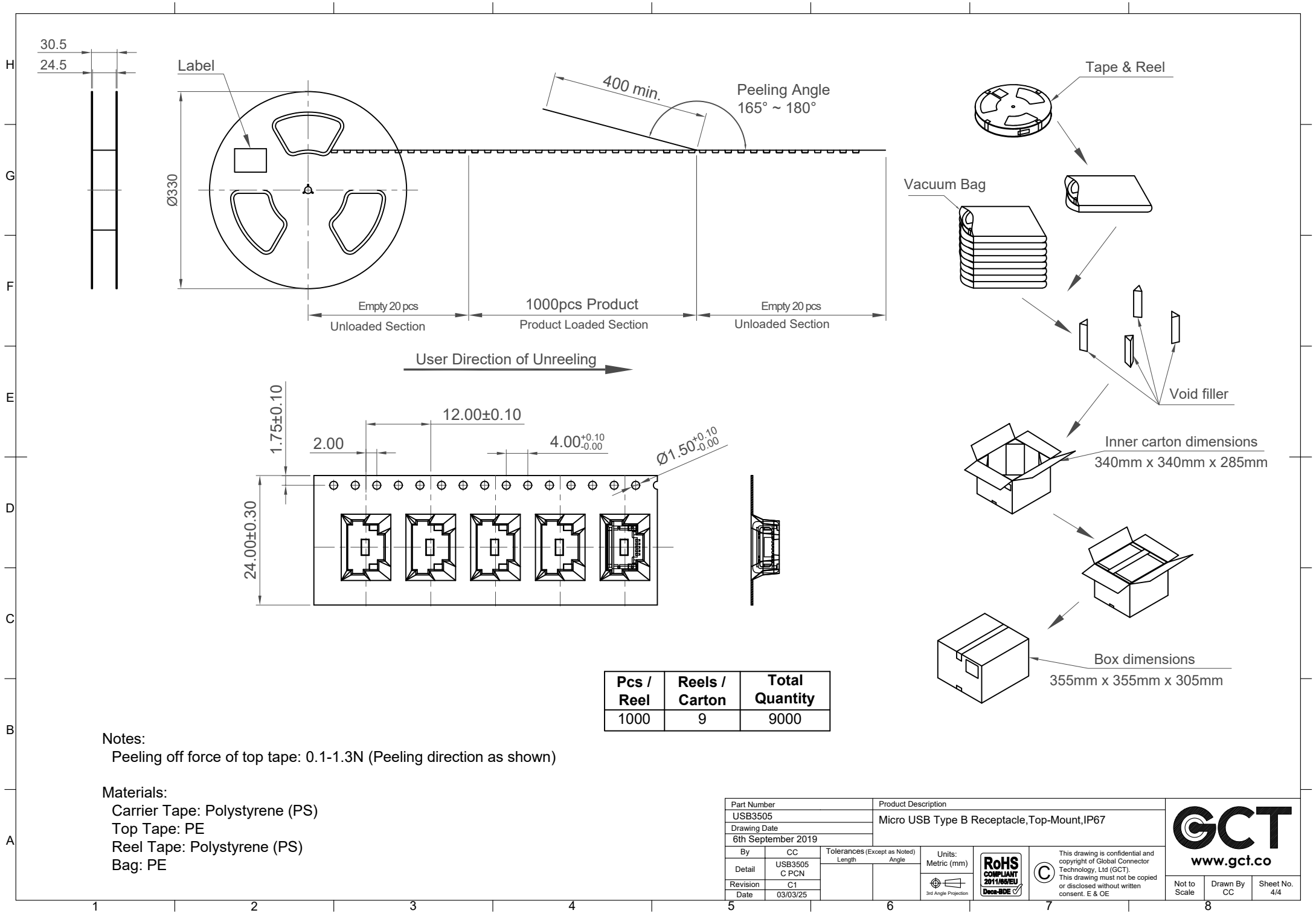
Part Number		Product Description		
USB3505		Micro USB Type B Receptacle,Top-Mount,IP67		
Drawing Date				
6th September 2019				
By	CC	Tolerances (Except as Noted) Length Angle	Units: Metric (mm)	
Detail	USB3505 C PCN			
Revision	C1	 3rd Angle Projection	  This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE	
Date	03/03/25			



www.gct.co

Not to Scale	Drawn By CC	Sheet No. 3/4
--------------	----------------	------------------

GCT
www.gct.co



Part Number		Product Description				 www.gct.co		
USB3505		Micro USB Type B Receptacle,Top-Mount,IP67						
Drawing Date								
6th September 2019								
By	CC	Tolerances (Except as Noted)		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 C PCN	Length	Angle					
Revision	C1	 3rd Angle Projection						
Date	03/03/25							
						Not to Scale	Drawn By CC	Sheet No. 4/4

