

Specifications

Material

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

Plating

Contact: 30µ" Gold
 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. 100V DC

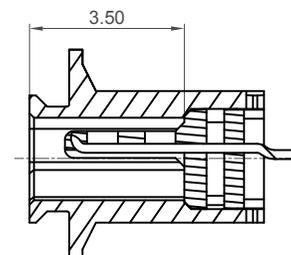
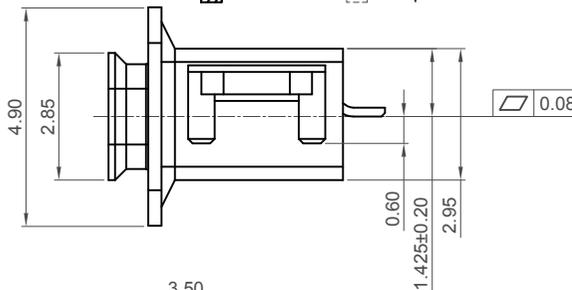
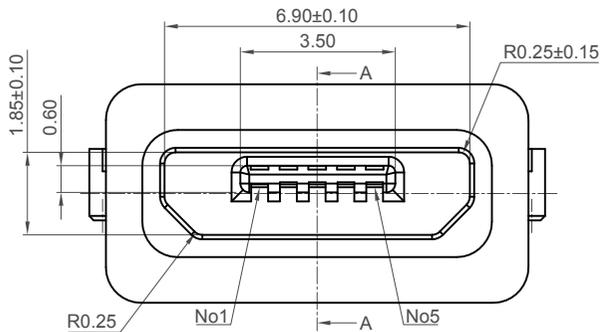
Mechanical & Environmental

Operating Temperature: -30°C to +85°C
 Mating Force: 35N max.
 Unmated Force: 8N to 25N
 Durability: 10,000 cycles
 Ingress Protection Rating: IP67

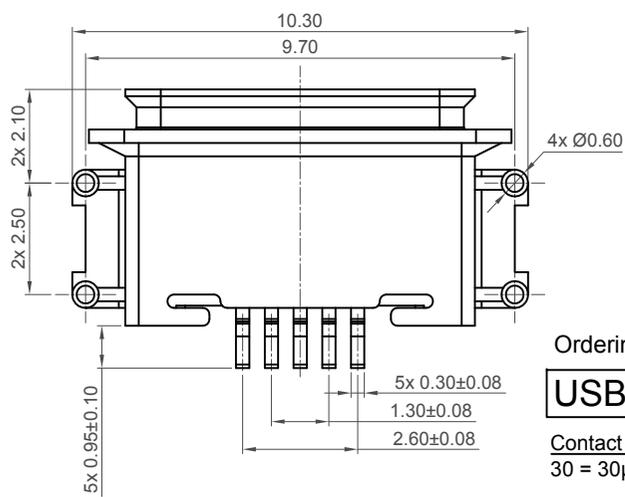
Recommended PCB Layout

As viewed from component side Tolerance: ±0.03mm
 Recommended PCB Thickness: 0.60mm

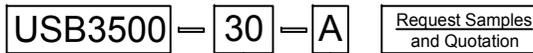
▨ Solder Area □ Component Outline



Section A-A



Ordering Grid



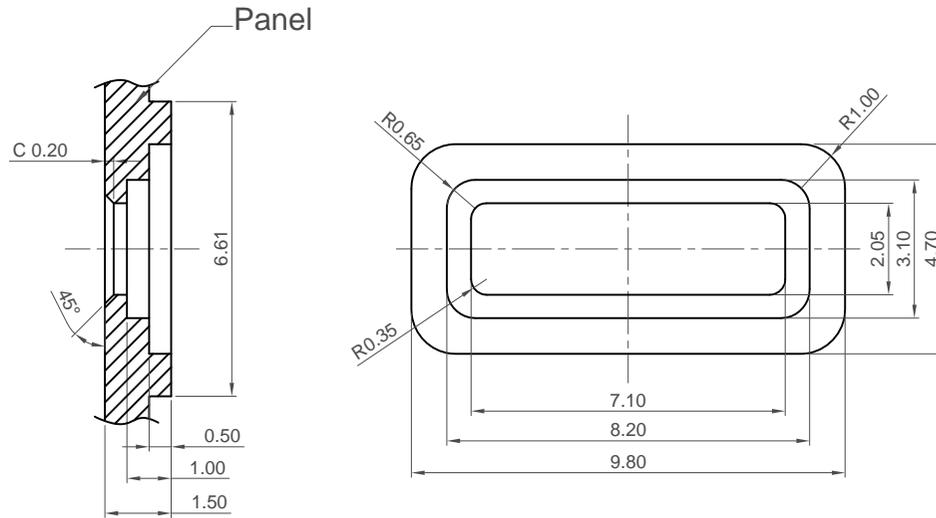
Contact Plating
 30 = 30µ" Gold

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

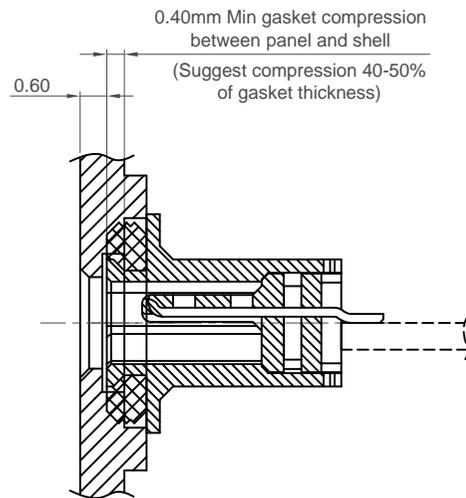
Part Number		Product Description	
USB3500		Micro USB Type B Receptacle, Mid-Mount, IP67	
Drawing Date		16th January 2019	
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A1	X. ± 0.50	
Date	05/06/19	X.X ± 0.30	
		X.XX ± 0.20	
		X.XXX ± 0.10	
		Angle	
		± 1°	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



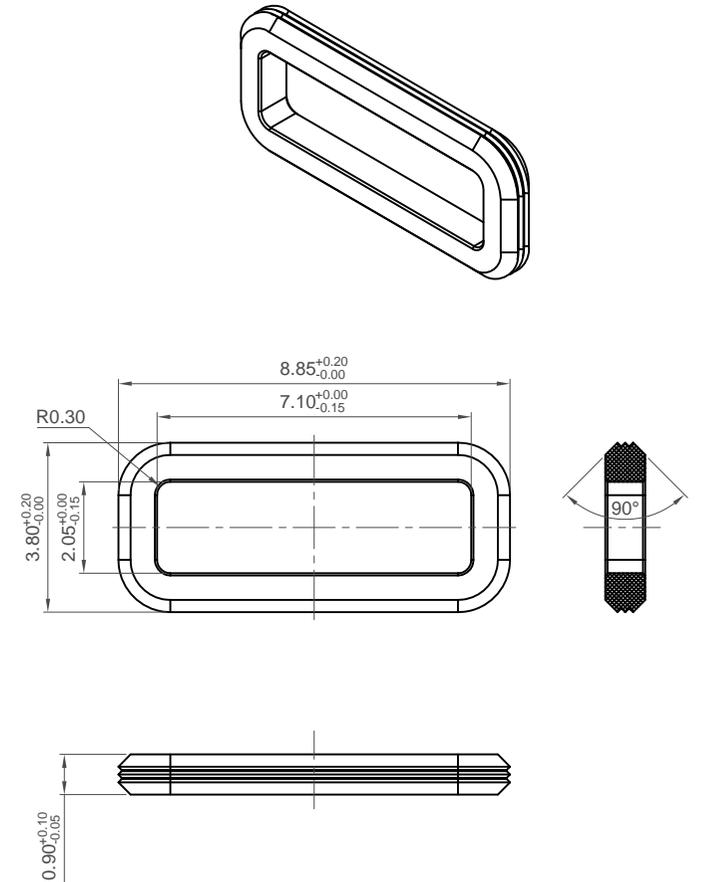
Not to Scale	Drawn By CC	Sheet No. 1/4
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Recommended Panel Spec
Tolerance: $\pm 0.05\text{mm}$



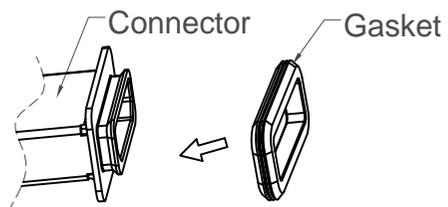
(Suggest compression 40-50% of gasket thickness)



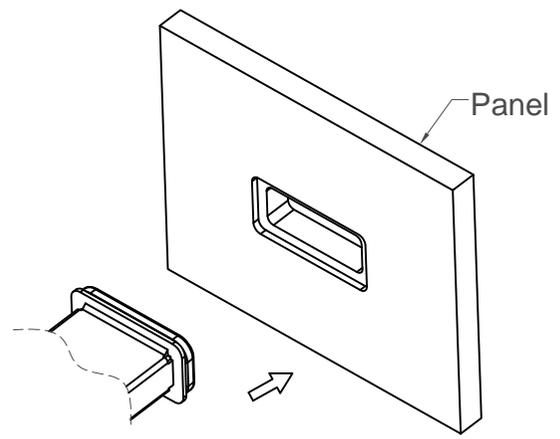
Recommended Waterproof Gasket
Gasket Part No.: USBTJ-02
(Gasket must be ordered separately)
(See separate datasheet for specification)

Part Number USB3500		Product Description Micro USB Type B Receptacle, Mid-Mount, IP67		 www.gct.co
Drawing Date 16th January 2019				
By CC	Detail Drawing Release	Tolerances (Except as Noted) Length X. ± 0.50 X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10	Units: Metric (mm)	
Revision A1	Date 05/06/19	Angle ± 1°	 3rd Angle Projection	
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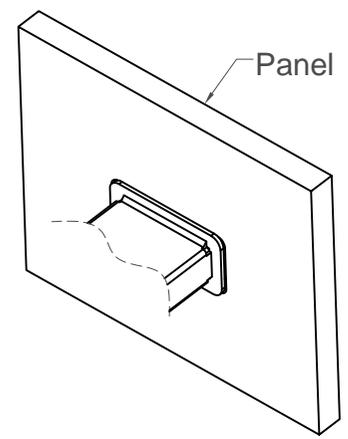
H
G
F
E
D
C
B
A



Step 1



Step 2

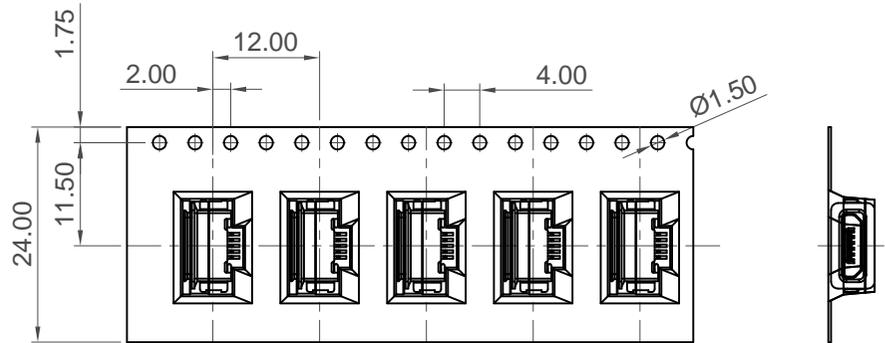
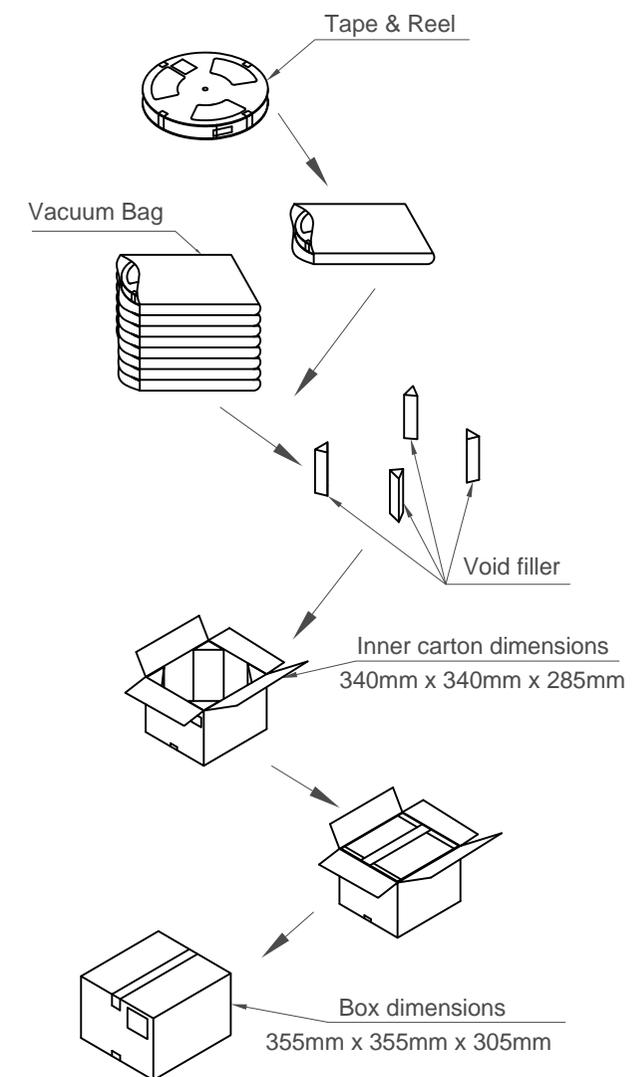
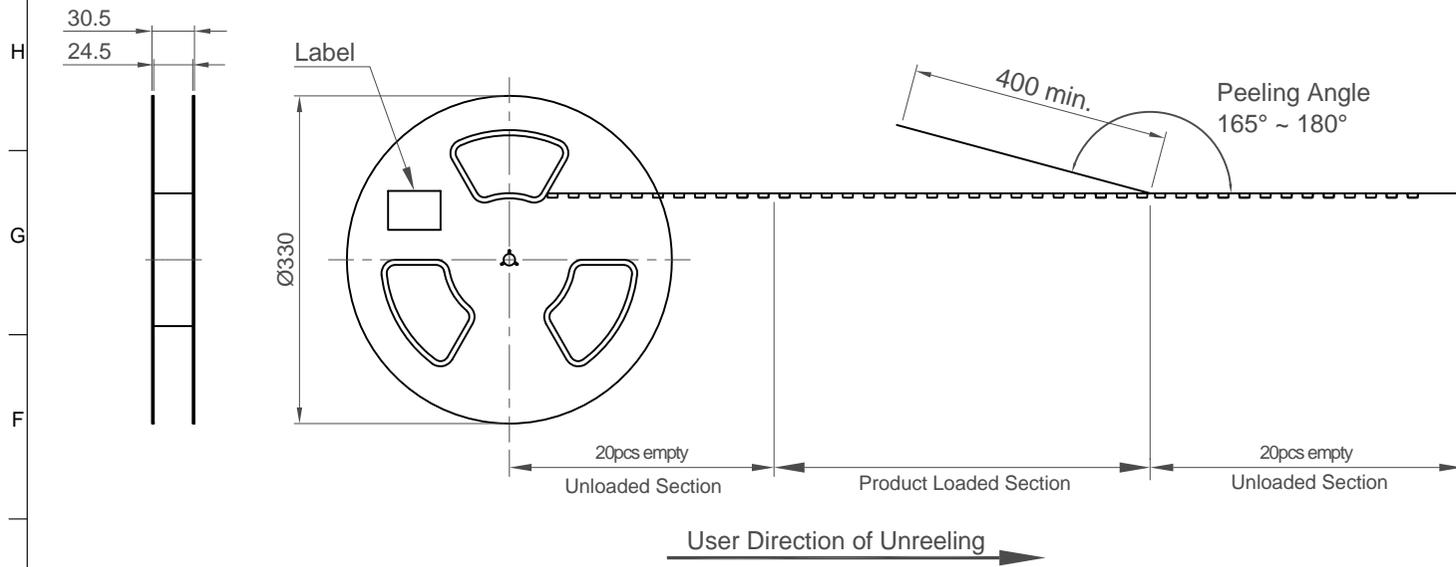


Step 3

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

Part Number		Product Description				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	
USB3500		Micro USB Type B Receptacle, Mid-Mount, IP67					
Drawing Date		16th January 2019					
By	CC	Tolerances (Except as Noted)		Units:		Not to Scale	
Detail	Drawing Release	Length	Angle	Metric (mm)			Drawn By
Revision	A1						CC
Date	05/06/19						Sheet No.





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 USB3500		Product Description Micro USB Type B Receptacle, Mid-Mount, IP67		 www.gct.co
Drawing Date 16th January 2019				
By CC	Drawing Release	Tolerances (Except as Noted) Length	Angle	
Detail	A1	Units: Metric (mm)	 	
Revision Date	05/06/19	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