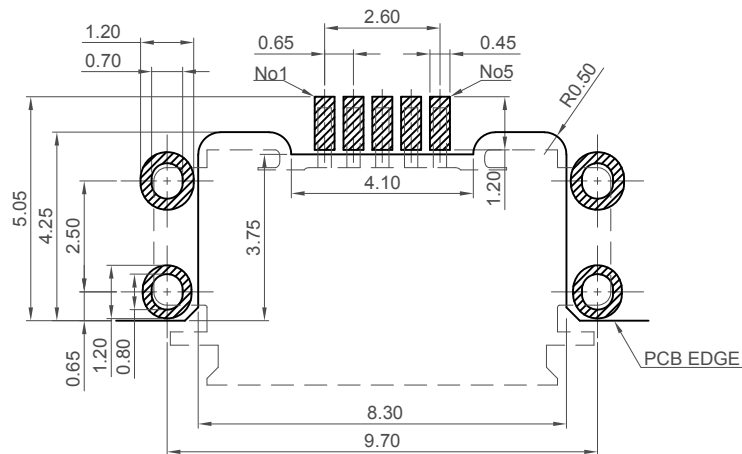
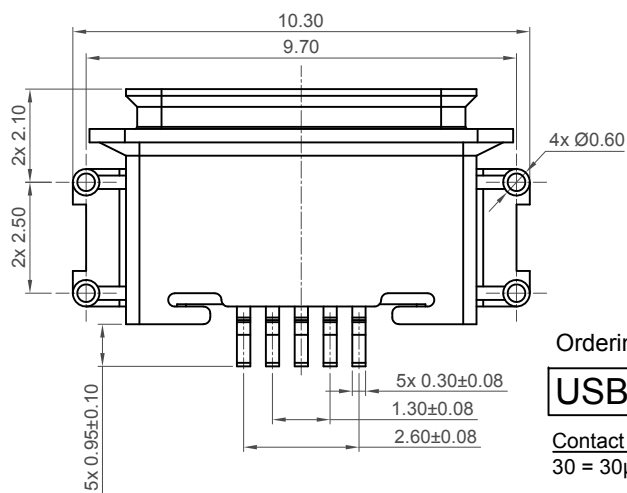
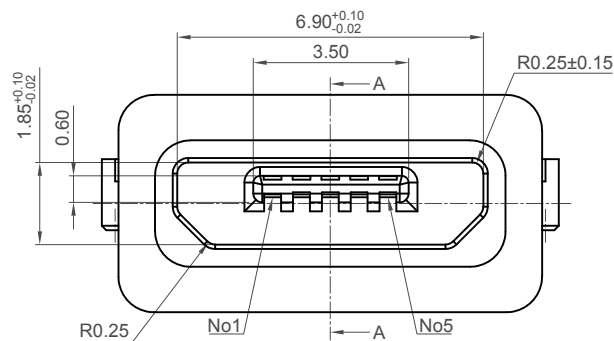
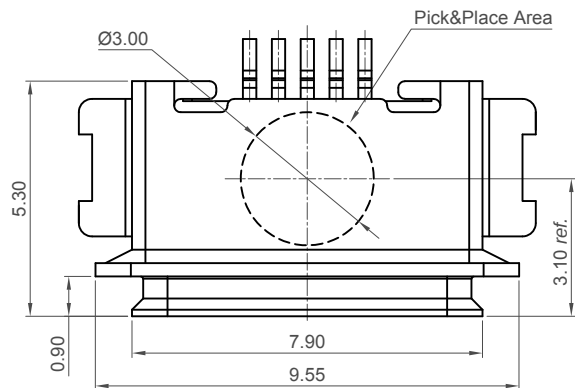


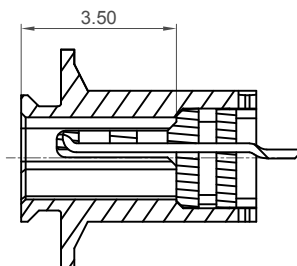
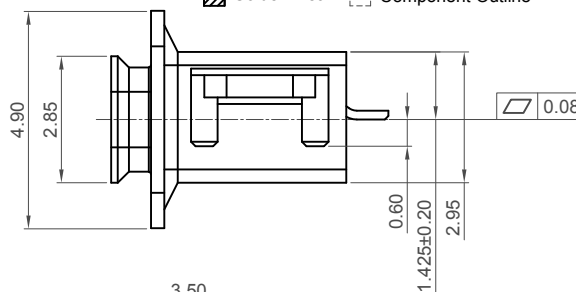


#### Recommended PCB Layout

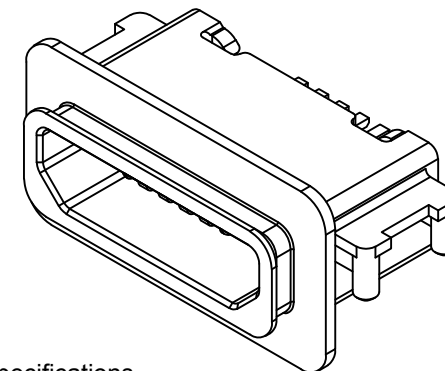
As viewed from component side Tolerance:  $\pm 0.03\text{mm}$

Recommended PCB Thickness: 0.60mm

■ Solder Area □ Component Outline



Section A-A



#### 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

#### Ordering Grid

USB3500

30

A

Request Samples and Quotation

Contact Plating

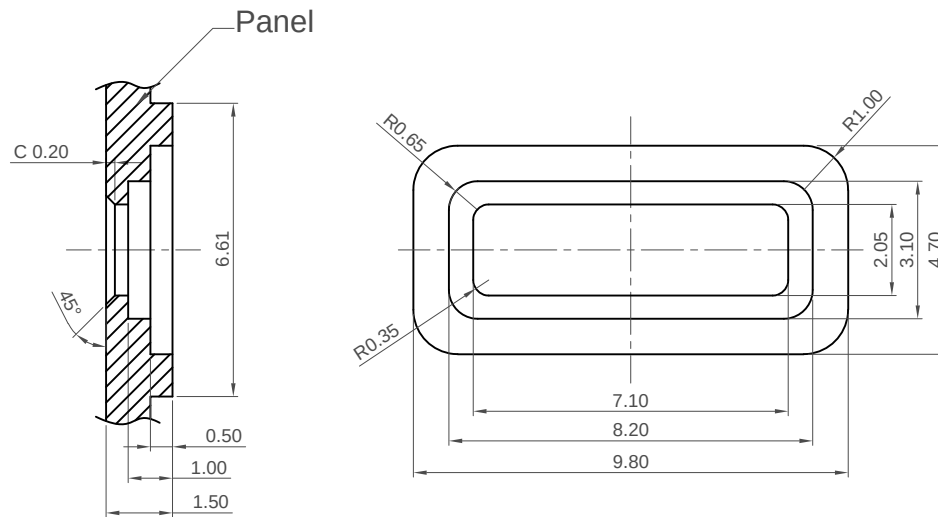
30 = 30μ" Gold

Packing Options

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

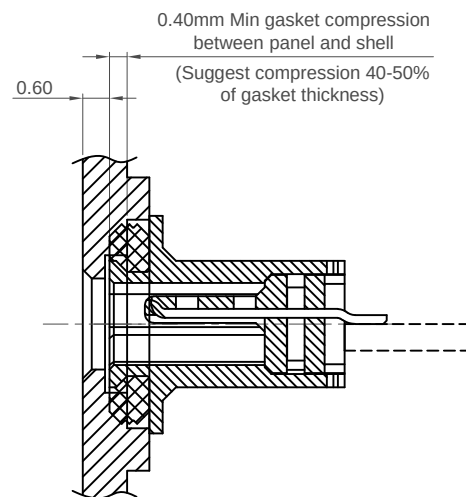
|                                   |                 |                                                                                                                                                                    |                      |
|-----------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Part Number<br>USB3500            |                 | Product Description<br>Micro USB Type B Receptacle, Mid-Mount, IP67                                                                                                |                      |
| Drawing Date<br>16th January 2019 |                 |                                                                                                                                                                    |                      |
| By                                | CC              | Tolerances (Except as Noted)                                                                                                                                       | Units:               |
| Detail                            | Drawing Release | Length<br>X. ± 0.50<br>X.X ± 0.30<br>X.XX ± 0.20<br>X.XXX ± 0.10                                                                                                   | Metric (mm)          |
| Revision                          | A2              | Angle<br>± 1°                                                                                                                                                      | 3rd Angle Projection |
| Date                              | 20/12/19        |                                                                                                                                                                    |                      |
|                                   |                 |                                                                                                                                                                    |                      |
|                                   |                 | 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<br>CC  | Sheet No.<br>1/4                                                                                                                                                   |                      |

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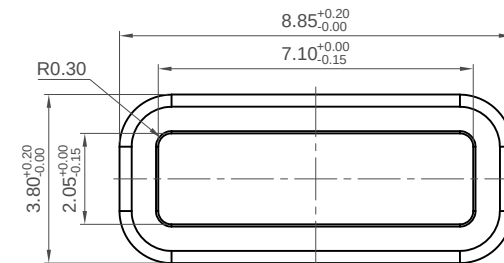
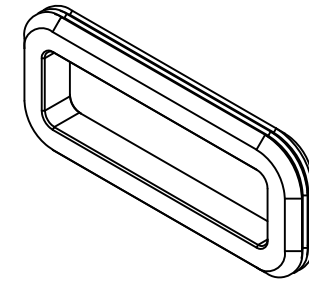


### Recommended Panel Spec

Tolerance:  $\pm 0.05\text{mm}$



(Suggest compression 40-50% of gasket thickness)



### Recommended Waterproof Gasket

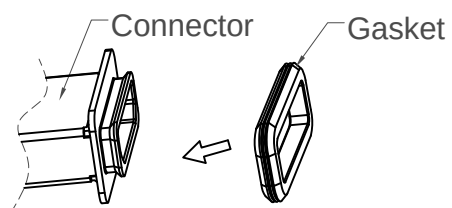
Gasket Part No.: USBTJ-02

(Gasket must be ordered separately)

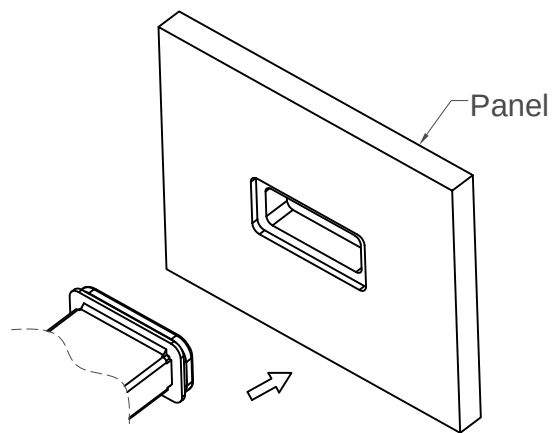
(See separate datasheet for specification)

|                                   |                 |                                                                                                                                                                                            |                       |
|-----------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Part Number<br>USB3500            |                 | Product Description<br>Micro USB Type B Receptacle, Mid-Mount, IP67                                                                                                                        |                       |
| Drawing Date<br>16th January 2019 |                 |                                                                                                                                                                                            |                       |
| By<br>CC                          | Drawing Release | Tolerances (Except as Noted)<br>Length<br>X. $\pm 0.50$<br>X.X $\pm 0.30$<br>X.XX $\pm 0.20$<br>X.XXX $\pm 0.10$                                                                           | Units:<br>Metric (mm) |
| Detail                            | A2              | Angle<br>$\pm 1^\circ$                                                                                                                                                                     | 3rd Angle Projection  |
| Revision<br>Date                  | 20/12/19        |                                                                                                                                                                                            |                       |
|                                   |                 | <div> </div>                                                                                                                                                                               |                       |
|                                   |                 | <div> <p>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</p> </div> |                       |
|                                   |                 | Not to Scale                                                                                                                                                                               | Drawn By<br>CC        |
|                                   |                 |                                                                                                                                                                                            | Sheet No.<br>2/4      |

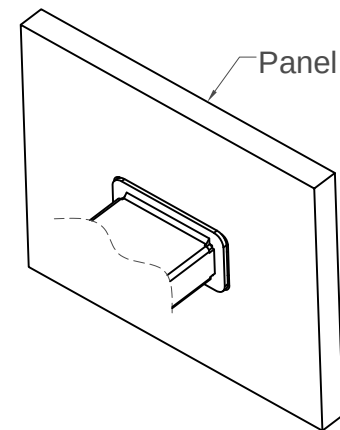
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Step 1



Step 2

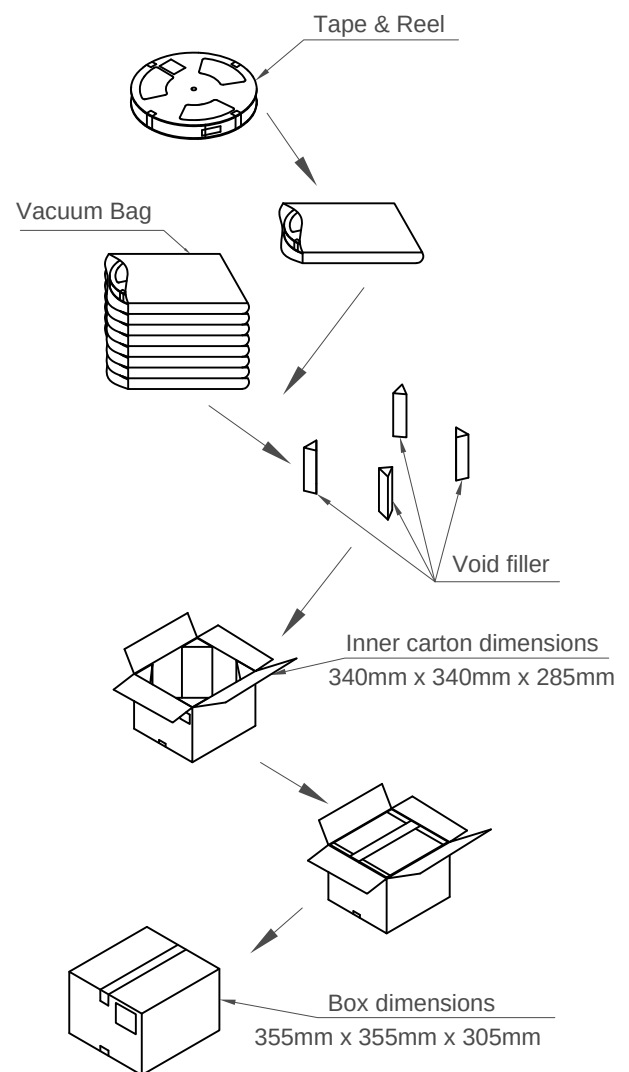
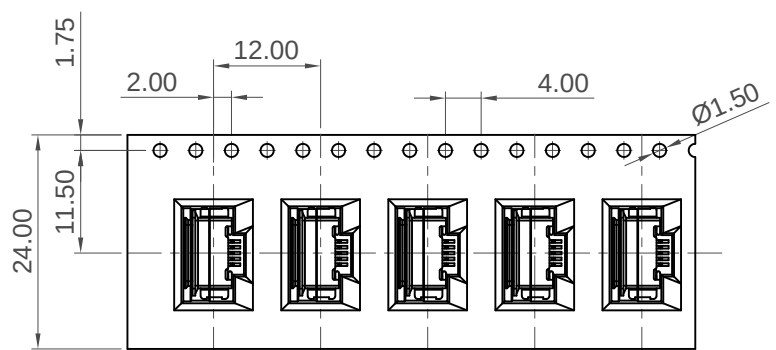
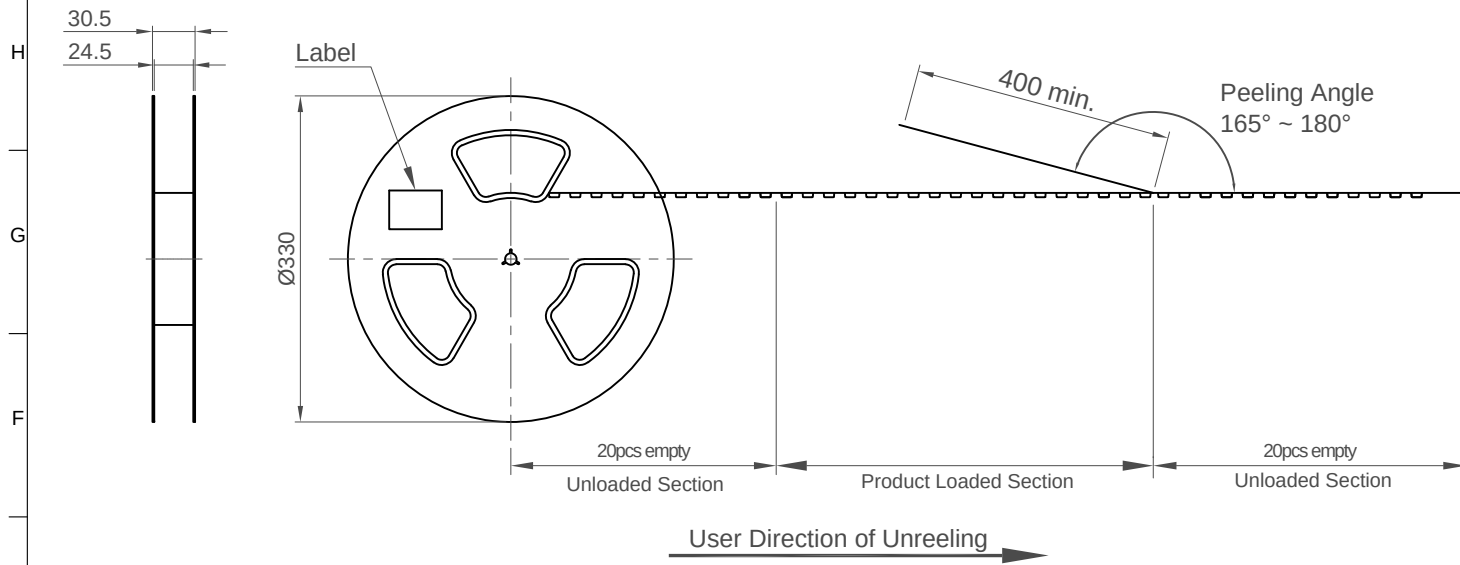


Step 3

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

|                   |                 |                                                                                                                                                                                                                                                          |             |
|-------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Part Number       |                 | Product Description                                                                                                                                                                                                                                      |             |
| 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          | A2              | Angle                                                                                                                                                                                                                                                    |             |
| Date              | 20/12/19        |                                                                                                                                                                                                                                                          |             |
|                   |                 |                                                                                |             |
|                   |                 |  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. 3/4                                                                                                                                                                                                                                            |             |

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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

|                                   |                 |                                                                                                                                                                                      |                  |
|-----------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Part Number<br>USB3500            |                 | Product Description<br>Micro USB Type B Receptacle, Mid-Mount, IP67                                                                                                                  |                  |
| Drawing Date<br>16th January 2019 |                 |                                                                                                                                                                                      |                  |
| By<br>CC                          | Drawing Release | Tolerances (Except as Noted)<br>Length                                                                                                                                               | Angle            |
| Detail                            | A2              | Units:<br>Metric (mm)                                                                                                                                                                |                  |
| Revision<br>Date                  | 20/12/19        | 3rd Angle Projection                                                                                                                                                                 |                  |
|                                   |                 | <div> </div>                                                                                                                                                                         |                  |
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| Not to Scale                      |                 | Drawn By<br>CC                                                                                                                                                                       | Sheet No.<br>4/4 |

