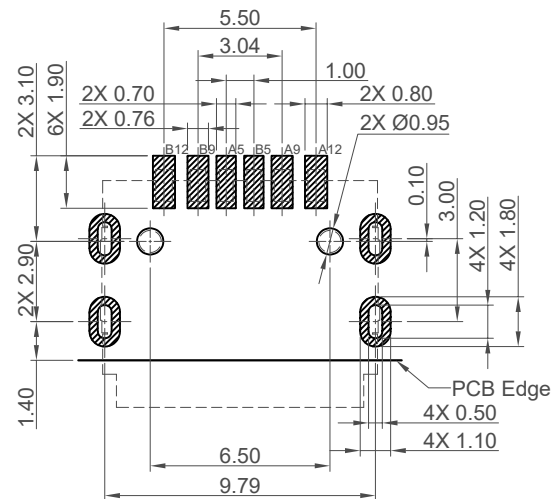
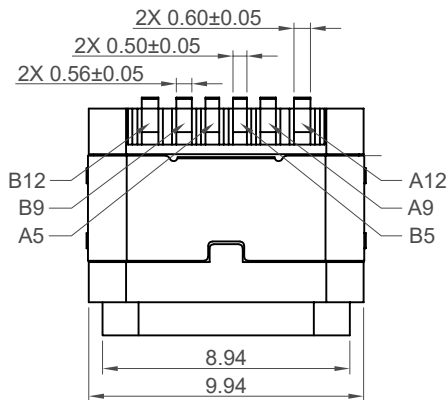
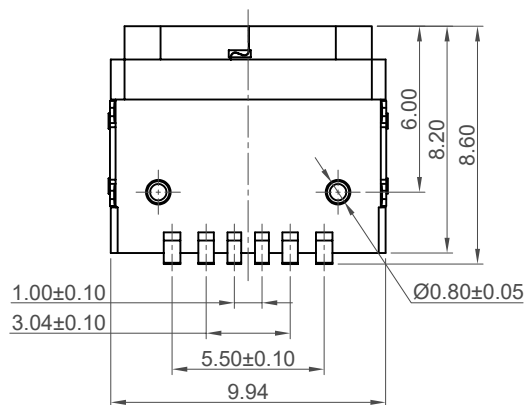
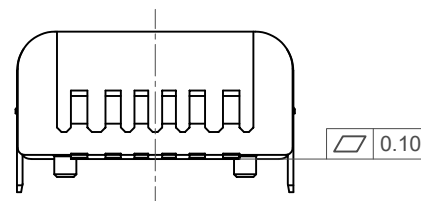
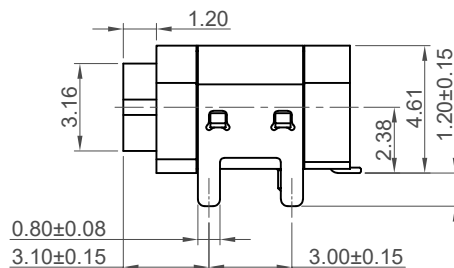
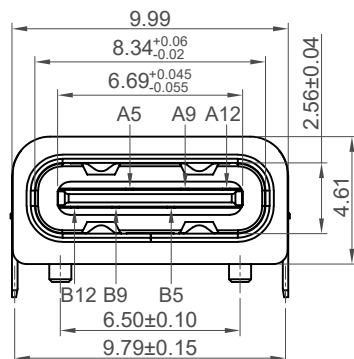


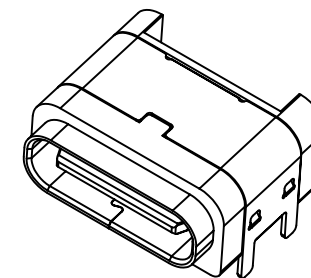


Recommended PCB Layout
Thickness 1.20±0.10mm
Tolerance: ±0.05mm

■ Solder Area □ Component Outline



Pin	Signal	Mating Sequence
A5	CC1	Second
A9	Vbus	First
A12	GND	First
B5	CC2	Second
B9	Vbus	First
B12	GND	First
SHELL	GND	



Specifications

Material

Insulator: LCP, UL 94V-0, Black

Contact: Copper Alloy

Shell: Stainless Steel

Mid Plate: Stainless Steel

Gasket: Silicone Rubber, Part No.: USBTJ-06,

Shore Hardness 60A

(Gasket+Connector can be ordered separately or together as a KIT)

Plating

Contact

Contact Area: Gold Flash

Solder Tails: Matte Tin 50µ" min.

Underplating: 50µ" min. Nickel

Shell: 30µ" min. Nickel

Mid Plate: Clear

Electrical

Current Rating: 3.00A collectively for Vbus pins

4.25A collectively for GND pins

1.25A for A5/B5 pin

Voltage Rating: 48V DC

Contact Resistance: 40mΩ max initial.

50mΩ max after test

Dielectric Withstanding Voltage: 100V AC

Insulation Resistance 100MΩ min

Mechanical & Environmental

Operating Temperature: -30°C to +85°C

Mating Force: 5 to 20 N.

Unmated Force: 6 to 20 N after test

Durability: 20,000 cycles

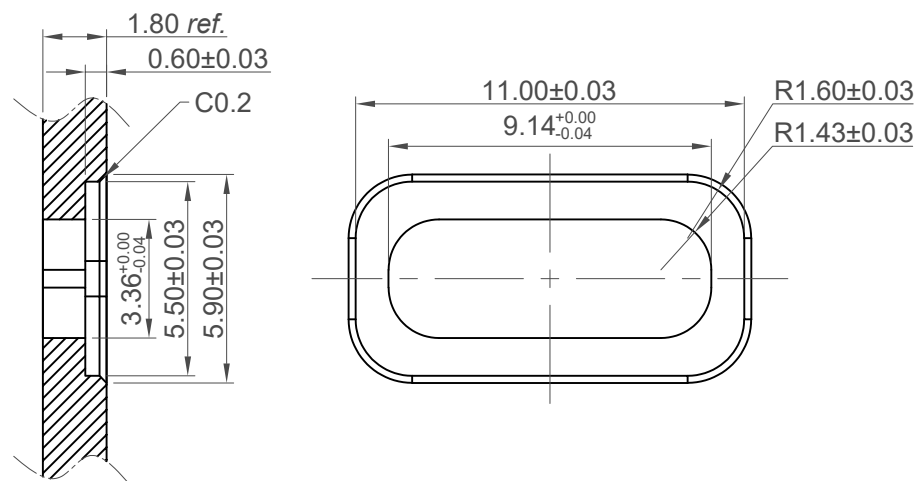
Ingress Protection Rating: IP67

Ordering Grid

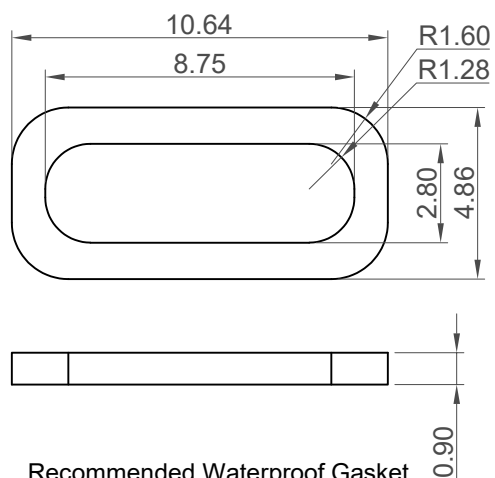
USB4736	GF	A	XXX	Request Samples and Quotation
				Gasket Options
				KIT = Includes Gasket: USBTJ-06
				Blank = Connector Only (Without gasket)
				Packing Options
				A = Tape & Reel (700 per reel)

Part Number		Product Description	
USB4736		Type C Receptacle, Top Mount, Horizontal, SMT, IP67	
Drawing Date		For Power Charging Only	
9th April 2025			
By	KY	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A	Angle	3rd Angle Projection
Date	09/04/25	X.X ± 0.30	
		X.XX ± 0.25	
		X.XXX ± 0.10	
		±3°	
		RoHS COMPLIANT 2011/65/EU	
		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 KY	
		Sheet No. 1/4	

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Recommended Panel Spec

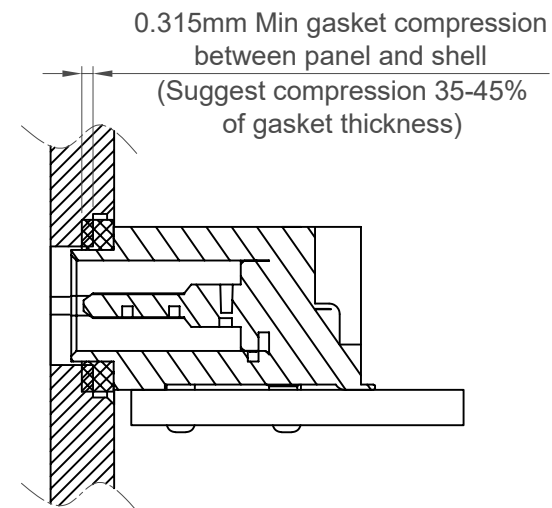


Recommended Waterproof Gasket

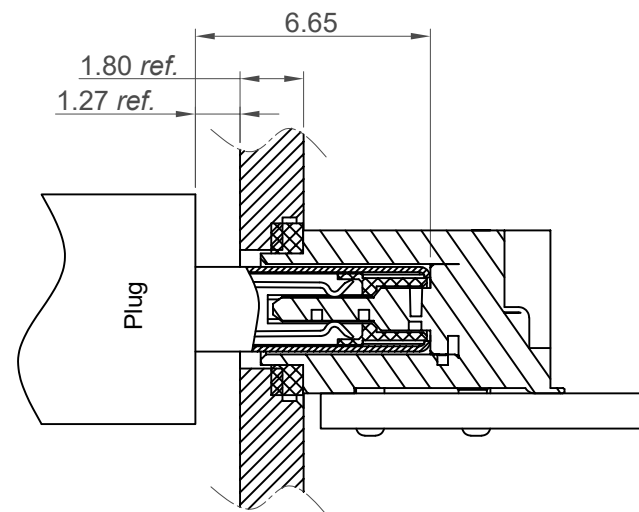
Gasket Part No.: USBTJ-06

(Gasket+Connector can be ordered separately or together as a KIT)

(See separate datasheet for specification)



(Suggest compression 35-45% of gasket thickness)



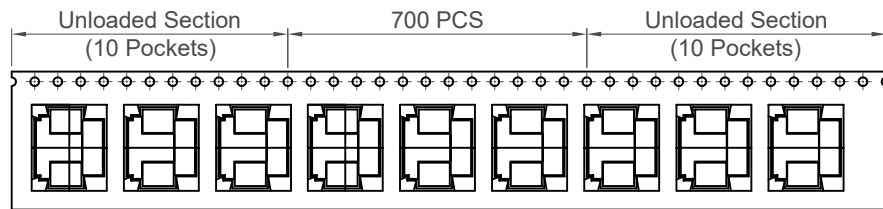
Plug and Receptacle Mating View

Part Number USB4736		Product Description Type C Receptacle, Top Mount, Horizontal, SMT, IP67 For Power Charging Only	
Drawing Date 9th April 2025			
By Detail	KY Drawing Release	Tolerances (Except as Noted) Length X.X ± 0.30 X.XX ± 0.25 X.XXX ± 0.10	Units: Metric (mm)
Revision Date	A 09/04/25	Angle ±3°	3rd Angle Projection

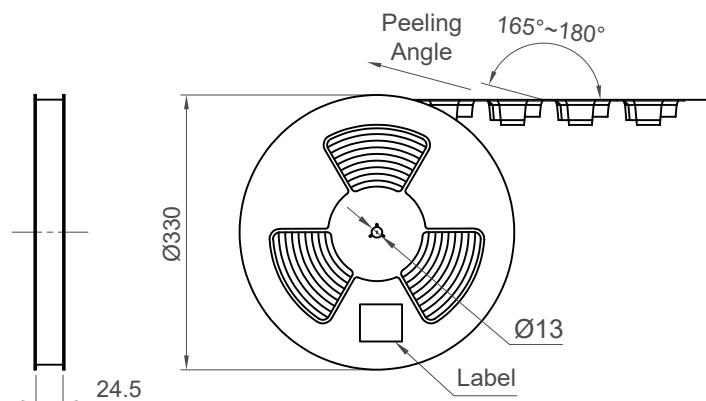
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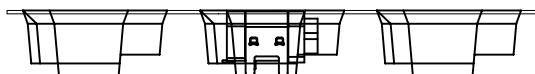
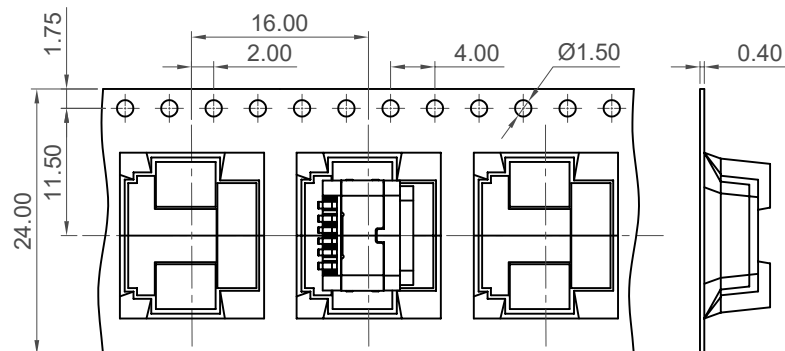
Not to Scale
Drawn By KY
Sheet No. 2/4



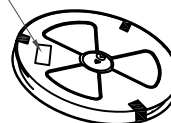
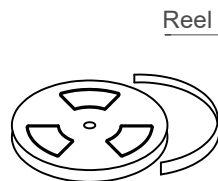
Direction of Unreeling →



Direction of Unreeling →



Pcs / Reel	Reels / Carton	Total Quantity
700	10	7,000 pcs

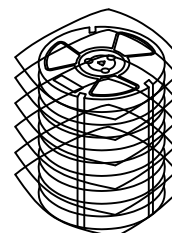
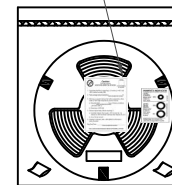


Humidity indicator card

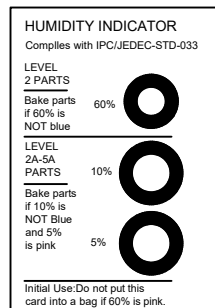
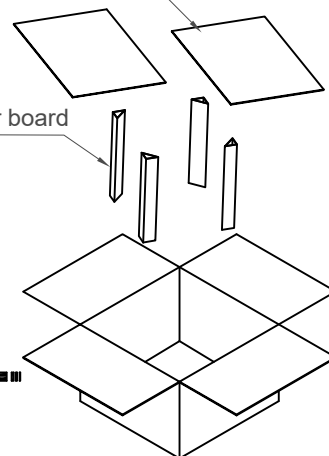
Desiccant

Moisture Barrier Bag

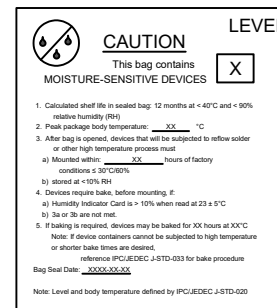
MSL Label



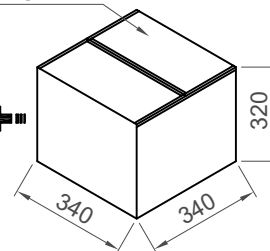
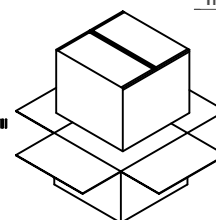
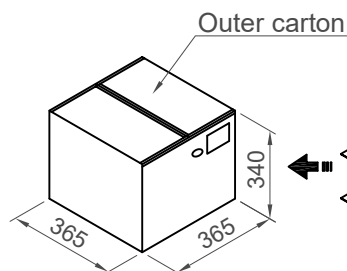
Folded paper board



Humidity indicator card



MSL Label



Part Number USB4736		Product Description Type C Receptacle, Top Mount, Horizontal, SMT, IP67 For Power Charging Only	
Drawing Date 9th April 2025			
By Detail	KY Drawing Release	Tolerances (Except as Noted) Length: Angle:	Units: Metric (mm)
Revision Date	A 09/04/25	-	-



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