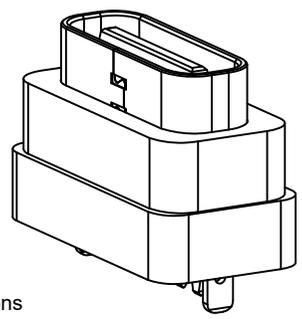


Recommended PCB Layout
As viewed from component side Tolerance: ±0.05mm

Pin	Signal	Mating Sequence
A5	CC1	Second
A9	V _{Bus}	First
A12	GND	First
B5	CC2	Second
B9	V _{Bus}	First
B12	GND	First
SHELL		GND



Specifications

Material
 Insulator: LCP, UL 94V-0, Black
 Plastic Shell: PA9T, UL 94V-0, Black
 Contact: Copper Alloy
 Shell: Stainless Steel
 Mid Plate: Stainless Steel
 Gasket: Silicone Rubber, Part No.: USBTJ-04, Shore Hardness 60A
(Gasket+Connector can be ordered separately or together as a KIT)

Plating

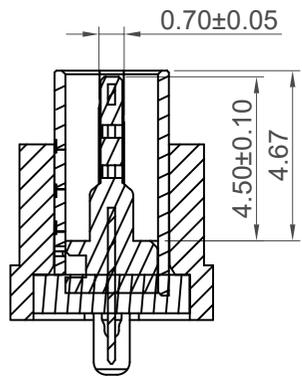
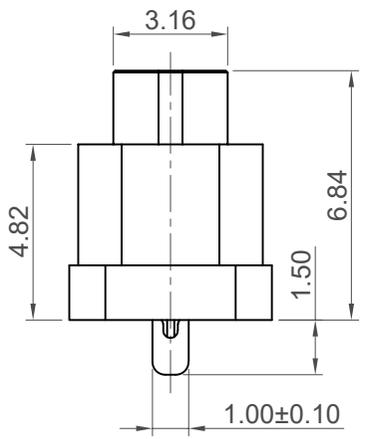
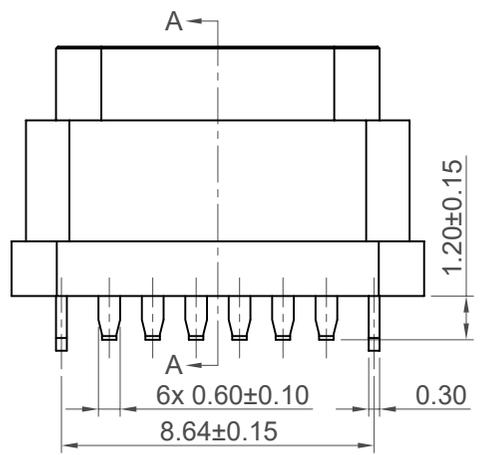
Contact
 Contact Area: Gold Flash
 Solder Tails: 50µ" min. Tin
 Underplating: 50µ" min. Nickel
 Shell: 30µ" min. Nickel
 Mid Plate: Clear

Electrical

Current Rating: 3.00A collectively for V_{Bus} 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

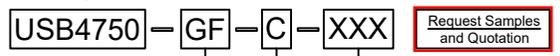
Mechanical & Environmental

Operating Temperature: -25°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



Section: A-A

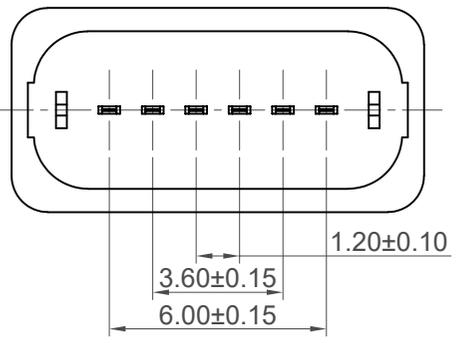
Ordering Grid



Contact Plating
GF = Gold Flash

Packing Options
C = Tape & Reel With Cap
(500pcs per reel)

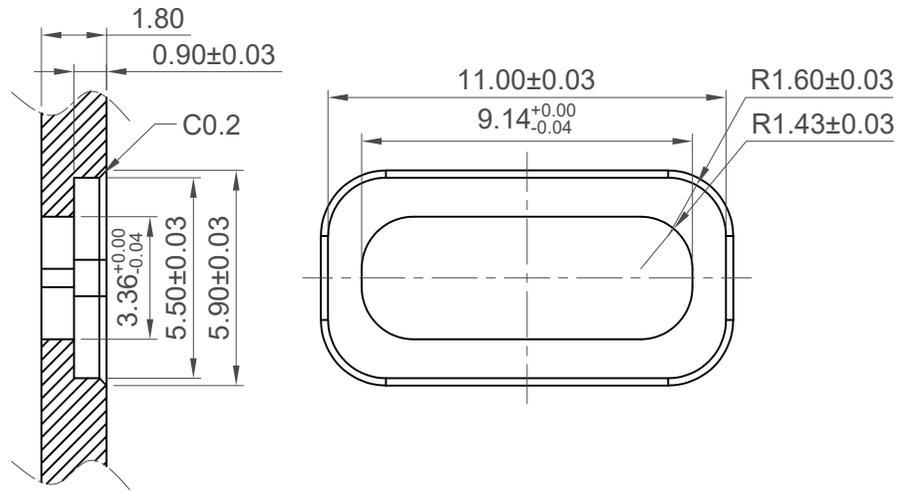
Gasket Options
KIT = Includes Gasket: USBTJ-04
Blank = Connector Only (Without gasket)



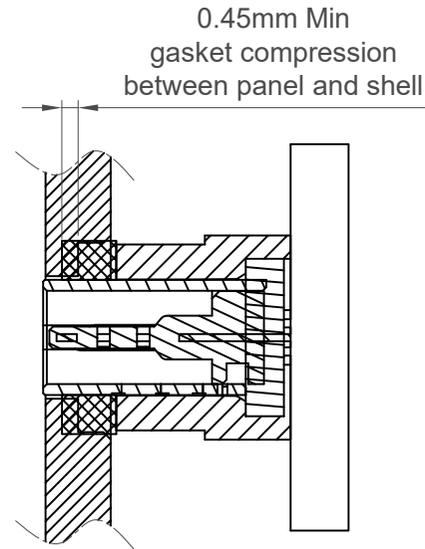
Part Number		Product Description	
USB4750		Type C Receptacle, Vertical, Top Mount, Through Hole, IP67, For Power Charging Only, 6Pin	
Drawing Date		19th December 2024	
By	KY	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A1	X.X ± 0.30	
Date	09/01/25	X.XX ± 0.25	
		X.XXX ± 0.10	



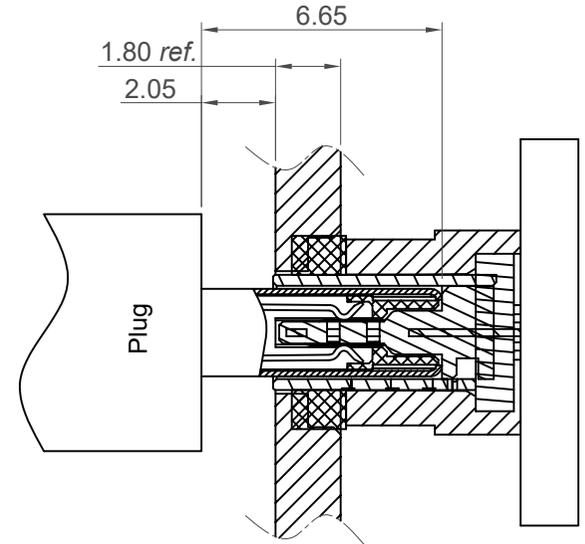
Not to Scale	Drawn By KY	Sheet No. 1/4
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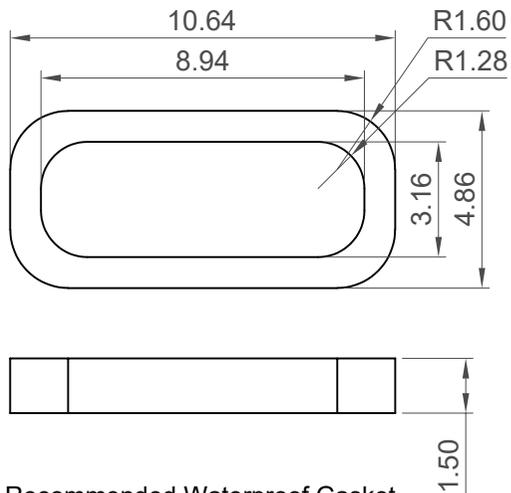
Recommended Panel Spec



Suggest compression 30-40% of gasket thickness



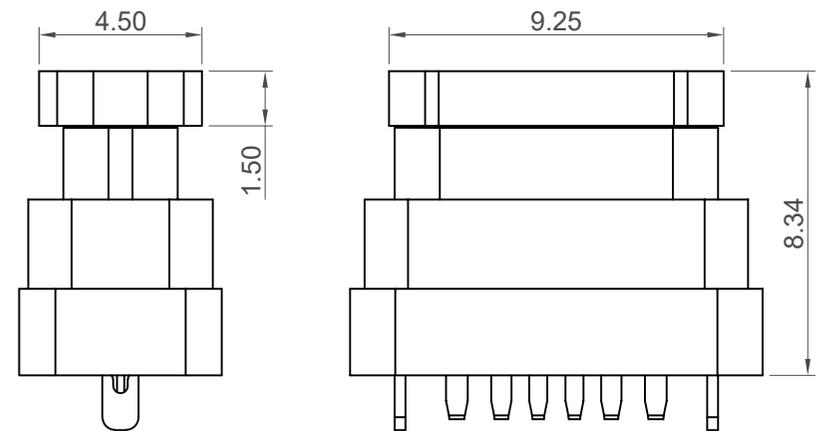
Plug and Receptacle Mating View



Recommended Waterproof Gasket
Gasket Part No.: USBTJ-04

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

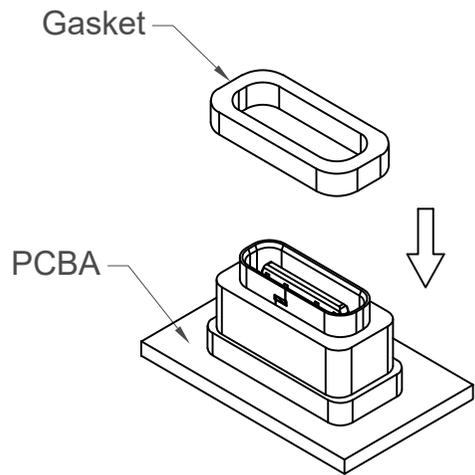
(See separate datasheet for specification)



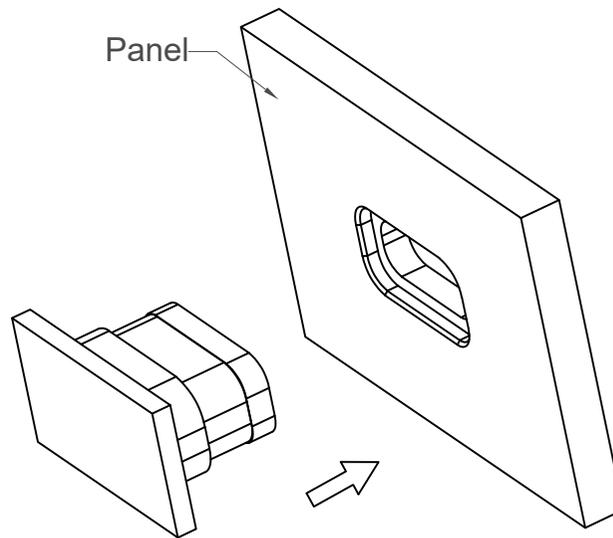
Cap Information

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	
USB4750		Type C Receptacle, Vertical, Top Mount, Through Hole, IP67, For Power Charging Only, 6Pin					
Drawing Date		19th December 2024					
By	KY	Tolerances (Except as Noted)		Units:			
Detail	Drawing Release	Length	Angle	Metric (mm)			
Revision	A1	X.X ± 0.30					
Date	09/01/25	X.XX ± 0.25	±3°				
		X.XXX ± 0.10					
						Not to Scale	
						Drawn By KY	
						Sheet No. 2/4	

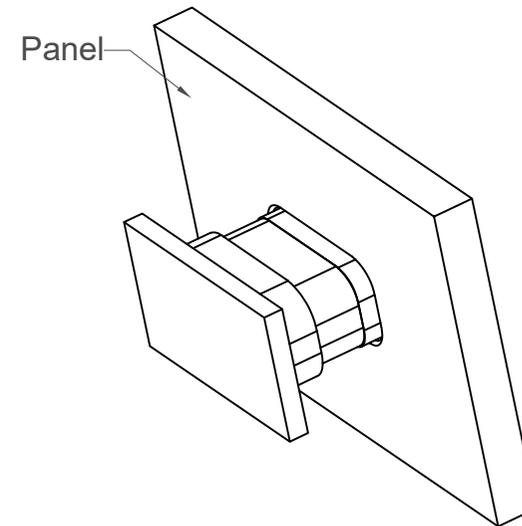




Step 1



Step 2

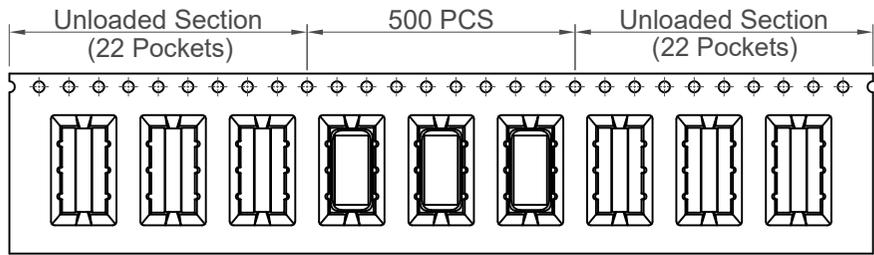


Step 3

Assembly instruction for Gasket set after Reflow
 Available for Type C Receptacle Waterproof Series

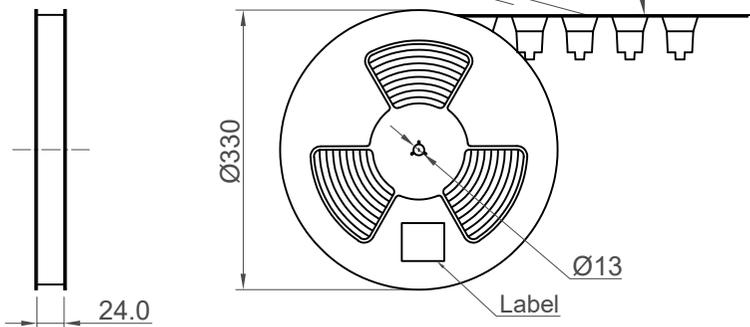
Part Number		Product Description	
USB4750		Type C Receptacle, Vertical, Top Mount, Through Hole, IP67, For Power Charging Only, 6Pin	
Drawing Date		19th December 2024	
By	KY	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A1	Angle	3rd Angle Projection
Date	09/01/25		
		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	
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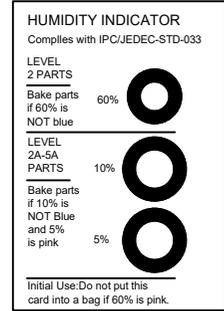
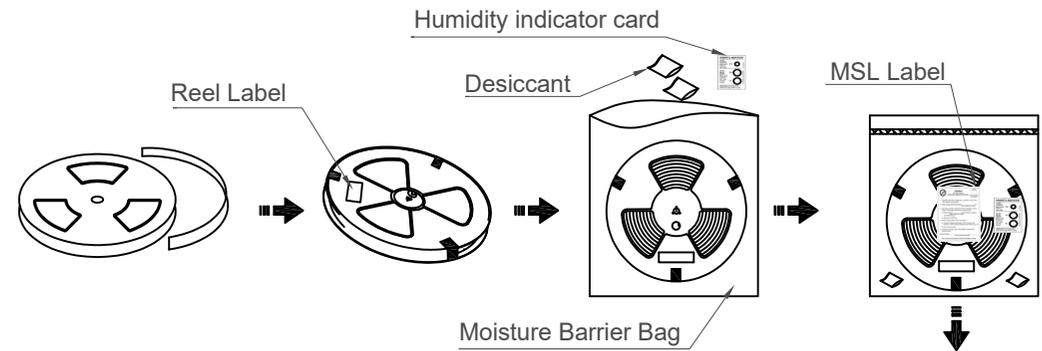
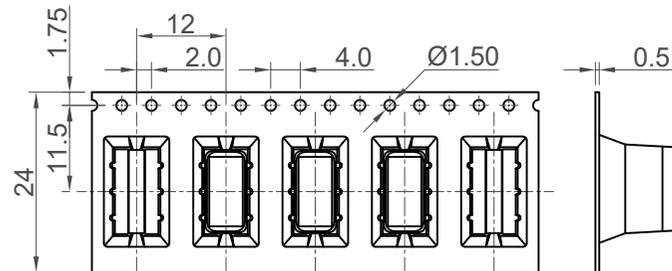


Direction of Unreeling

Peeling Angle 165°~180°



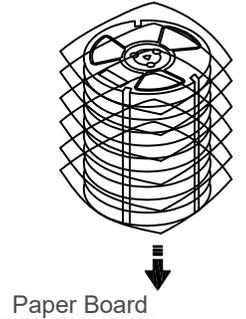
Direction of Unreeling



Humidity indicator card

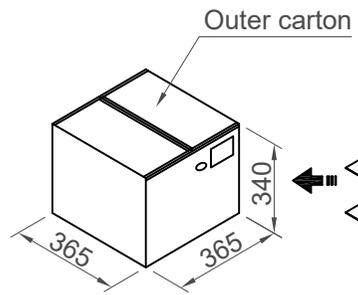


MSL Label

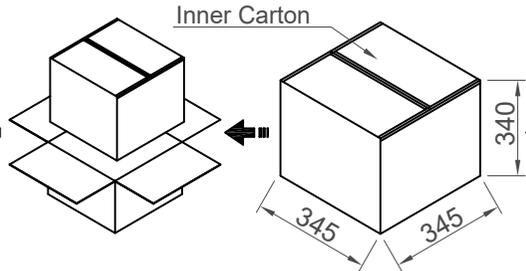


Paper Board

Folded paper board



Outer carton



Inner Carton

Pcs / Reel	Reels / Carton	Total Quantity
500	10	5,000 pcs

Part Number		Product Description	
USB4750		Type C Receptacle, Vertical, Top Mount, Through Hole, IP67, For Power Charging Only, 6Pin	
Drawing Date		19th December 2024	
By	KY	Tolerances (Except as Noted)	Units: Metric (mm)
Detail	Drawing Release	Length	Angle
Revision	A1	-	-
Date	09/01/25	3rd Angle Projection	



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