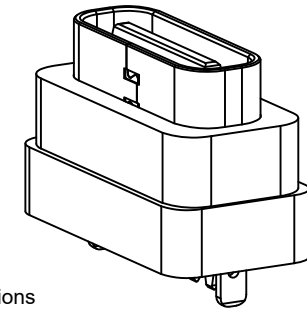


Pin	Signal	Mating Sequence
A5	CC1	Second
A9	V _{Bus}	First
A12	GND	First
B5	CC2	Second
B9	V _{Bus}	First
B12	GND	First
SHELL	GND	



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

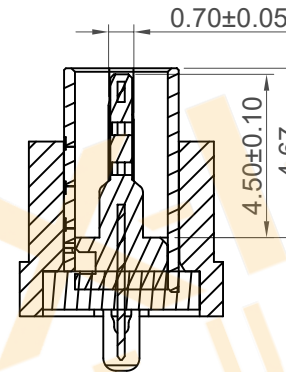
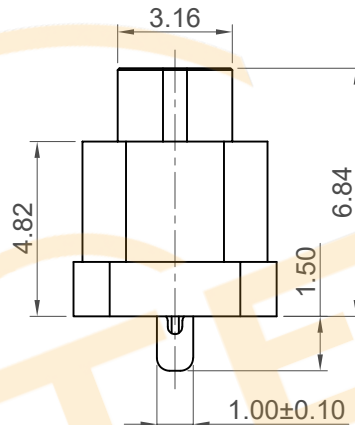
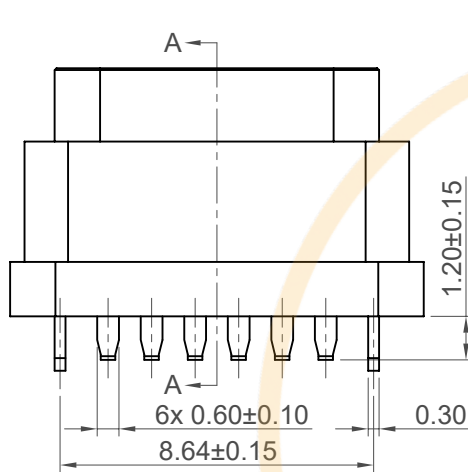
Contact
 Contact Area: Gold Flash
 Solder Tails: 50µ" min. Tin
 Underplating: 50µ" min. Nickel
 Shell: 30µ" min. Nickel
 Mid Plate: Clear

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

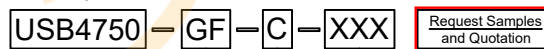
Mechanical & Environmental

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

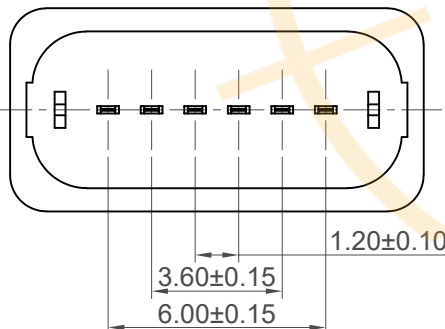
Ordering Grid



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)



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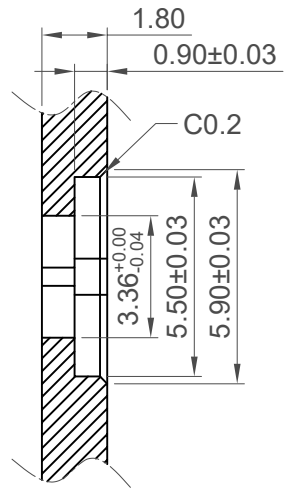
Part Number		Product Description	
USB4750		Type C Receptacle, Vertical, Top Mount, Through Hole, IP67, For Power Charging Only, 6Pin	
Drawing Date		19th December 2024	
By	KY	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A1	Angle	3rd Angle Projection
Date	09/01/25	X.X ± 0.30	
		X.XX ± 0.25	
		X.XXX ± 0.10	



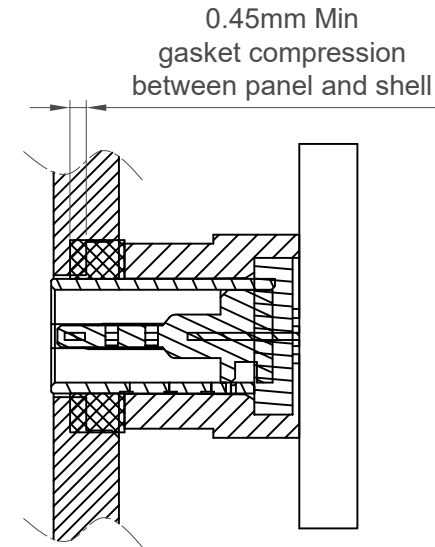
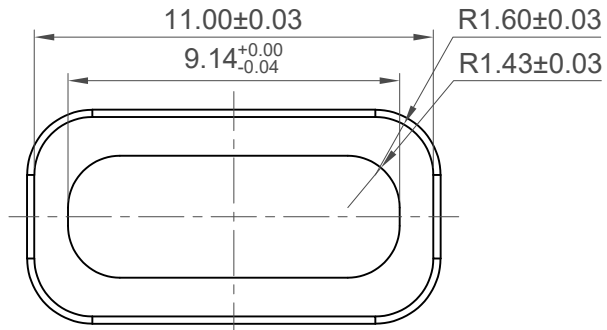
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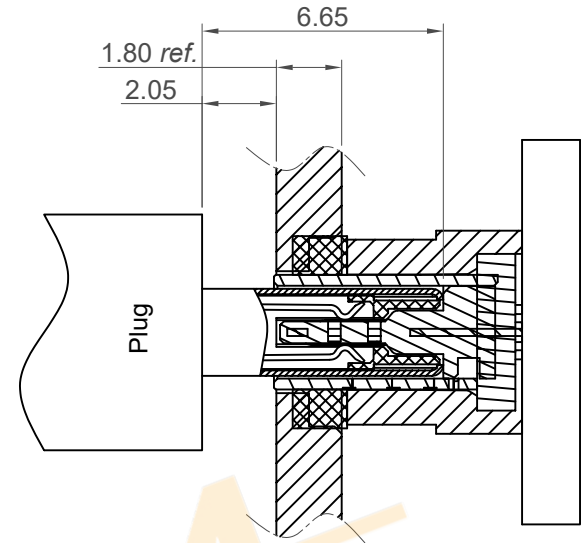
Not to Scale Drawn By KY Sheet No. 1/4



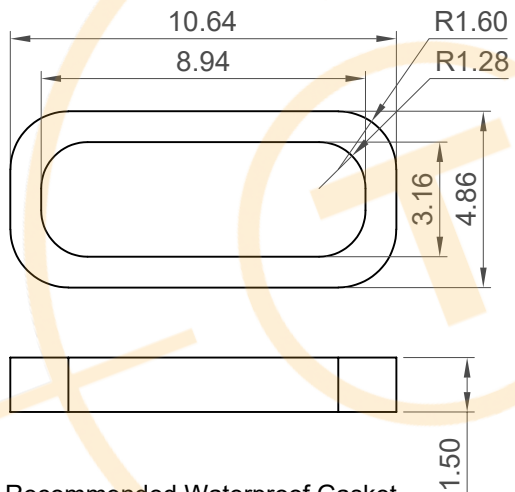
Recommended Panel Spec



Suggest compression 30-40% of gasket thickness



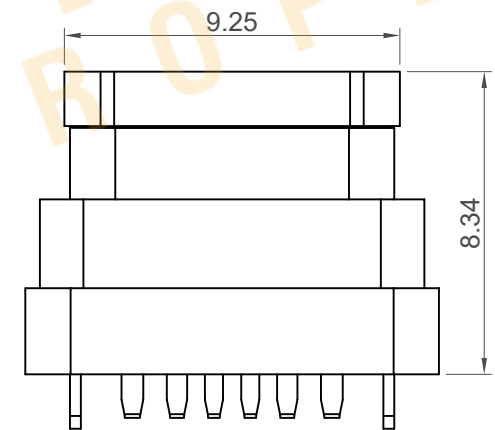
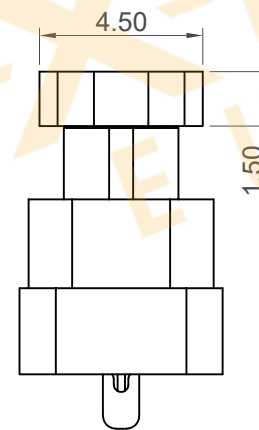
Plug and Receptacle Mating View



Recommended Waterproof Gasket
Gasket Part No.: USBTJ-04

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

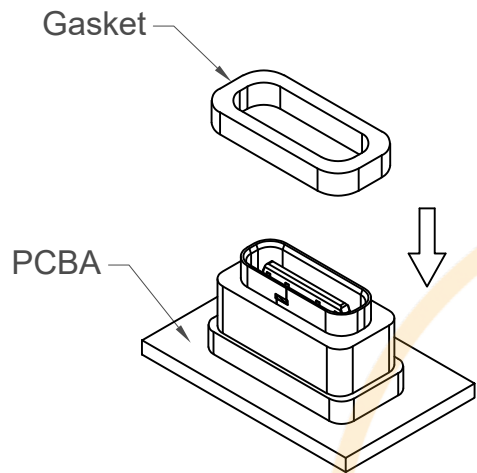
(See separate datasheet for specification)



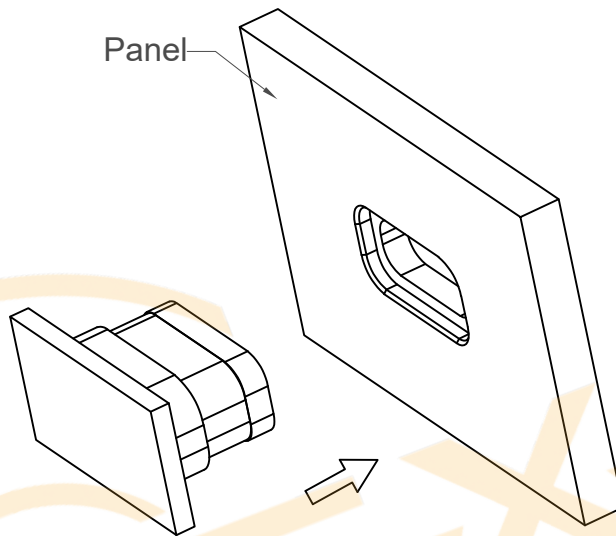
Cap Information

Part Number		Product Description	
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	±3°

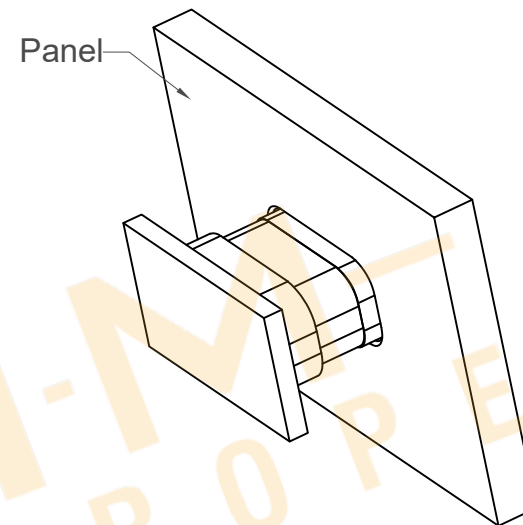
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Step 1



Step 2



Step 3

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

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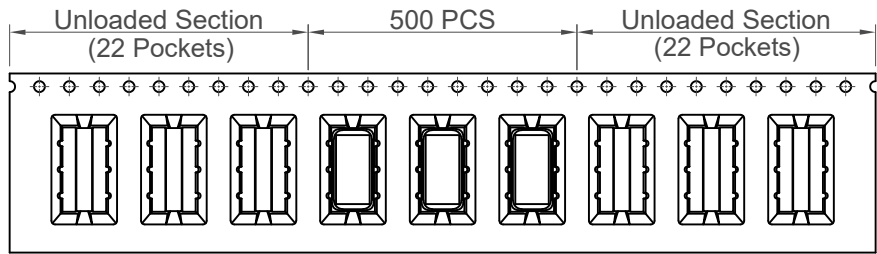
Part Number		Product Description	
USB4750		Type C Receptacle, Vertical, Top Mount, Through Hole, IP67, For Power Charging Only, 6Pin	
Drawing Date		19th December 2024	
By	KY	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A1	Angle	3rd Angle Projection
Date	09/01/25		



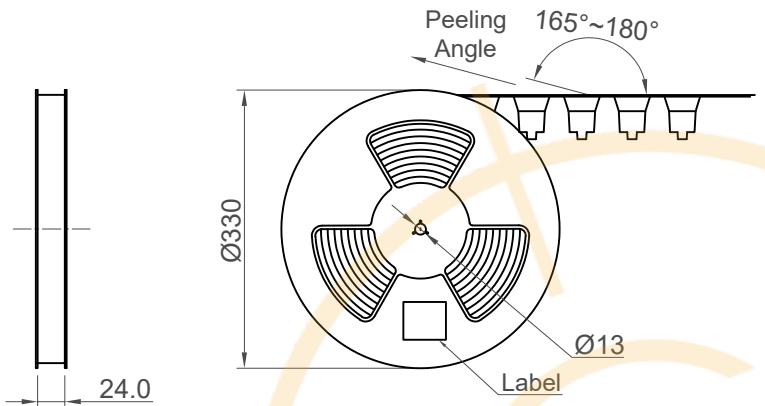
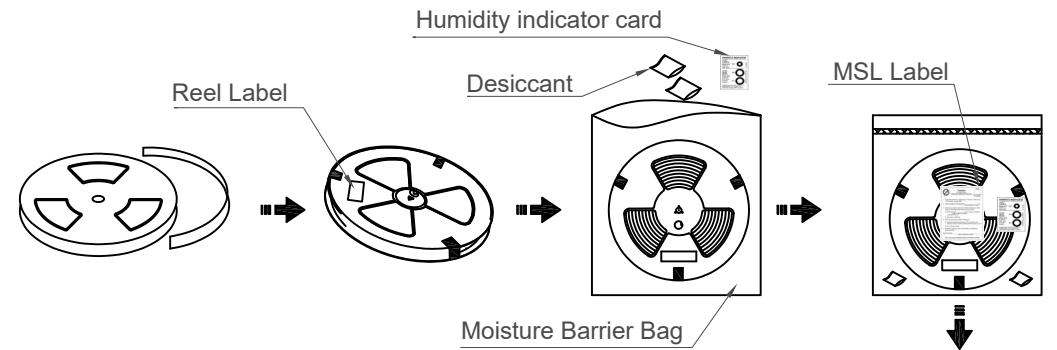
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Direction of Unreeling



Direction of Unreeling

HUMIDITY INDICATOR
Complies with IPC/JEDEC-STD-033

LEVEL 2 PARTS

Bake parts if 60% is NOT blue

60%

LEVEL 2A-5A PARTS

Bake parts if 10% is NOT Blue and 5% is pink

10%

5%

Initial Use: Do not put this card into a bag if 60% is pink.

CAUTION LEVEL X

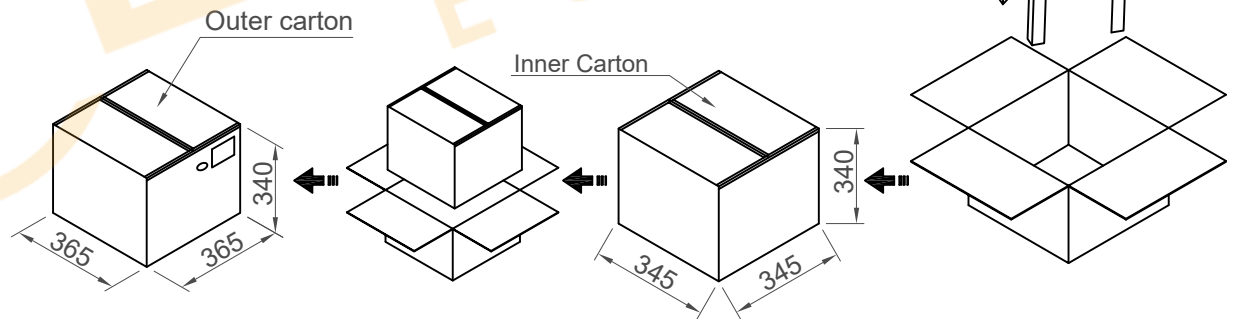
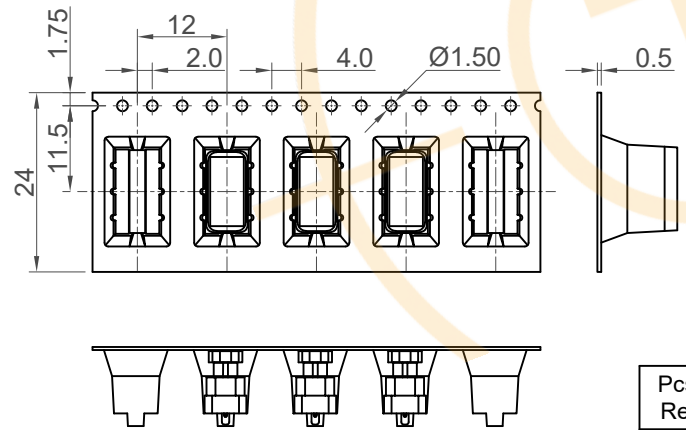
This bag contains MOISTURE-SENSITIVE DEVICES

- Calculated shelf life in sealed bag: 12 months at < 40°C and < 90% relative humidity (RH)
- Peak package body temperature: XX °C
- After bag is opened, devices that will be subjected to reflow solder or other high temperature process must:
 - Mounted within: XX hours of factory conditions ± 50°C/20%
 - stored at < 10% RH
- Devices require bake, before mounting, if:
 - Humidity Indicator Card is > 10% when read at 23 ± 5°C
 - 3a or 3b are not met.
- If baking is required, devices may be baked for XX hours at XX°C

Note: If device containers cannot be subjected to high temperature or another bake stress are desired, reference IPC/JEDEC J-STD-033 for bake procedure

Bag Seal Date: XXXX.XX.XX

Note: Level and body temperature defined by IPC/JEDEC J-STD-020



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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