

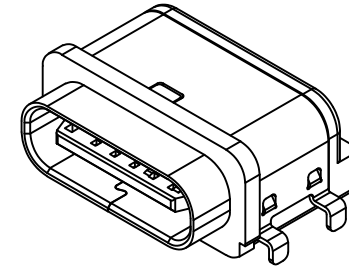
Recommended PCB Layout

Thickness 0.80±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

Shielding 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: Tin over Nickel

Shell: Nickel

Shielding Plate: Nickel

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

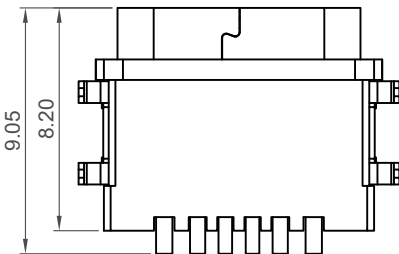
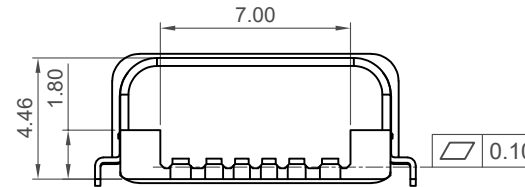
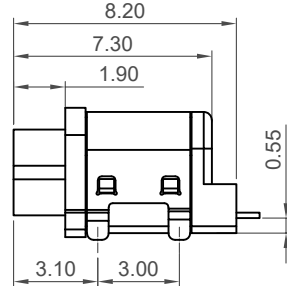
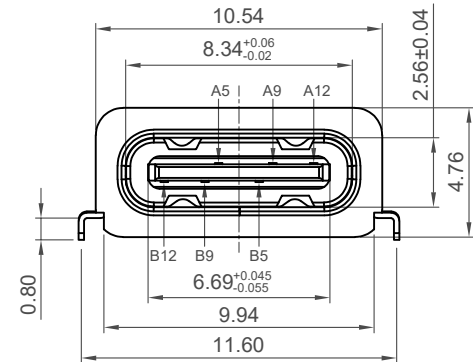
Operating Temperature: -30°C to +85°C

Mating Force: 5 to 20 N

Unmated Force: 6 to 20 N after test

Durability: 20,000 cycles

Ingress Protection Rating: IP67



Ordering Grid

USB4715 - GF - A - XXX Request Samples and Quotation

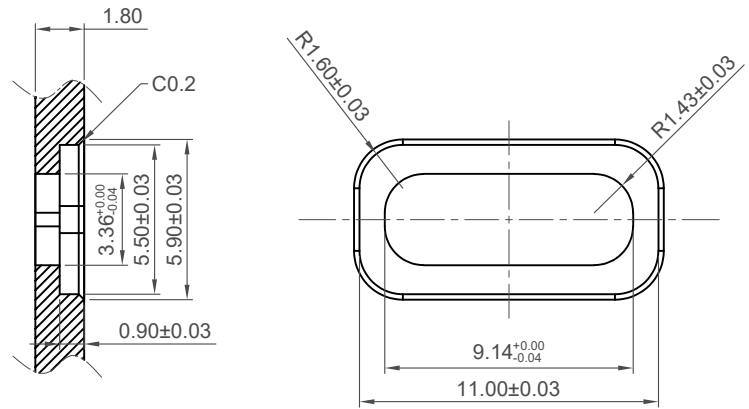
Contact Plating
GF = Gold Flash

Packing Options
A = Tape & Reel (700 per reel)

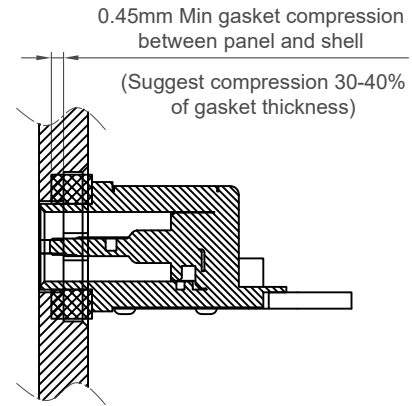
Gasket Options

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

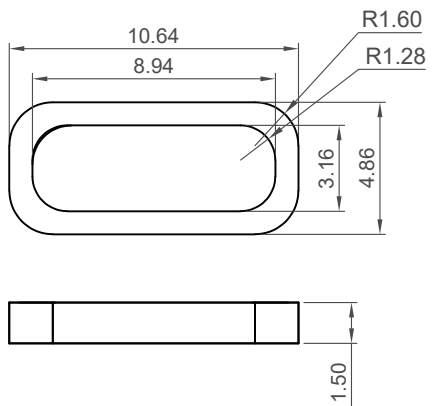
Part Number		Product Description		
USB4715		Type C Receptacle, Horizontal, Mid-Mount, SMT, IP67, For Power Charging Only, 6 Pin		
Drawing Date		4th July 2022		
By	CC	Tolerances (Except as Noted)	Units:	
Detail	Drawing Release	Length	Metric (mm)	
Revision	A6	Angle		
Date	07/10/24	X.X ± 0.30 X.XX ± 0.25 X.XXX ± 0.10		
		3rd Angle Projection		
		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	Sheet No.		
	CC	1/4		



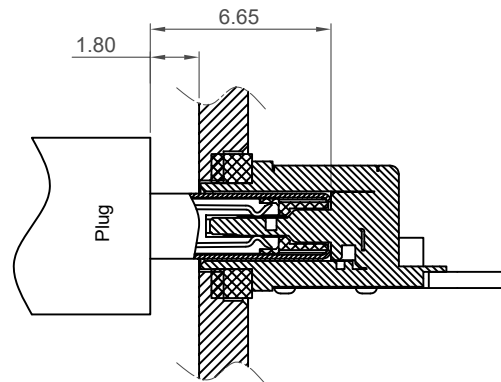
Recommended Panel Spec







(Suggest compression 30-40% of gasket thickness)



Recommended Waterproof Gasket
Gasket Part No.: USBTJ-04
(Gasket+Connector can be ordered separately or together as a KIT)
(See separate datasheet for specification)

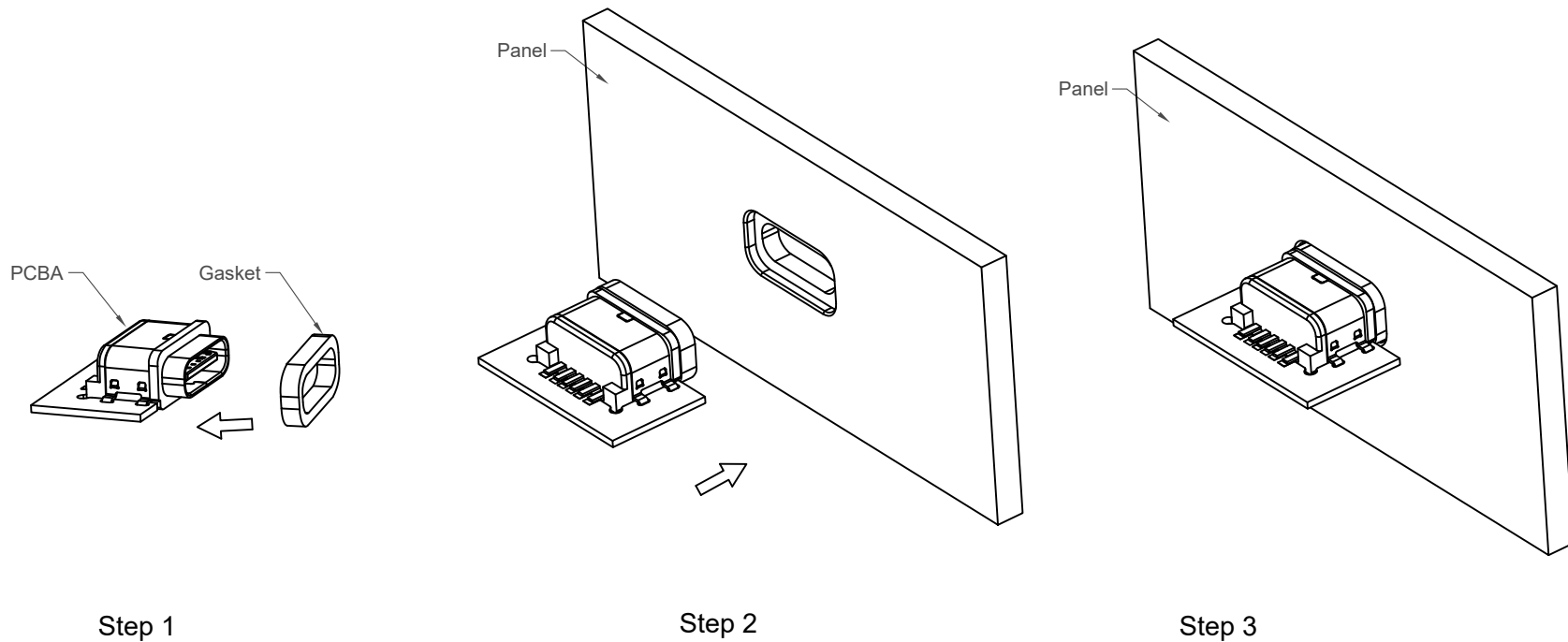


Plug and Receptacle Mating View

Part Number		Product Description		 www.gct.co
USB4715		Type C Receptacle, Horizontal, Mid-Mount, SMT, IP67, For Power Charging Only, 6 Pin		
Drawing Date		4th July 2022		
By		CC		
Detail	Drawing Release	Tolerances (Except as Noted)	Units:	
Revision	A6	Length	Metric (mm)	
Date	07/10/24	Angle		
		X.X ± 0.30		
		X.XX ± 0.25		
		X.XXX ± 0.10		
		 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. 2/4

H
G
F
E
D
C
B
A

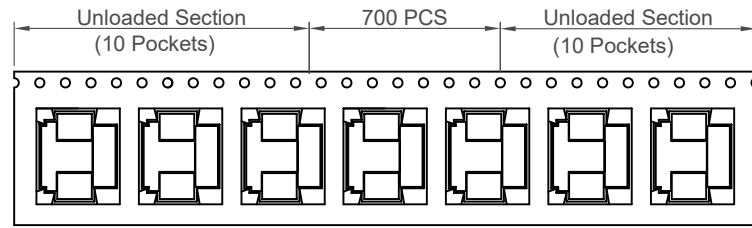
1 2 3 4 5 6 7 8



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

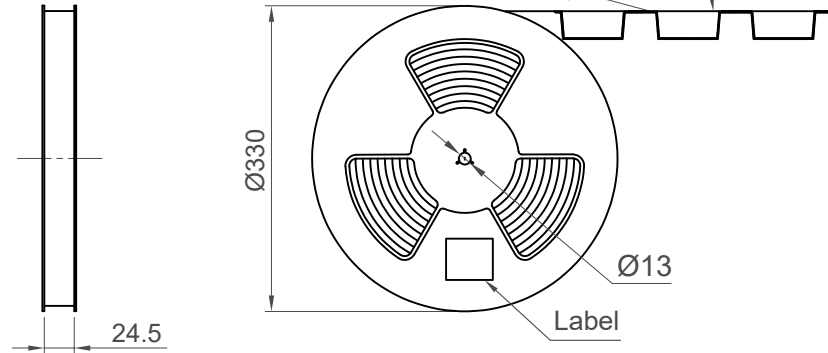
Part Number		Product Description	
USB4715		Type C Receptacle, Horizontal, Mid-Mount, SMT, IP67, For Power Charging Only, 6 Pin	
Drawing Date		4th July 2022	
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length X.X ± 0.30	Metric (mm)
Revision	A6	Angle X.XX ± 0.25	 3rd Angle Projection
Date	07/10/24	X.XXX ± 0.10	
		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	



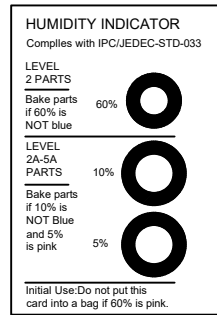
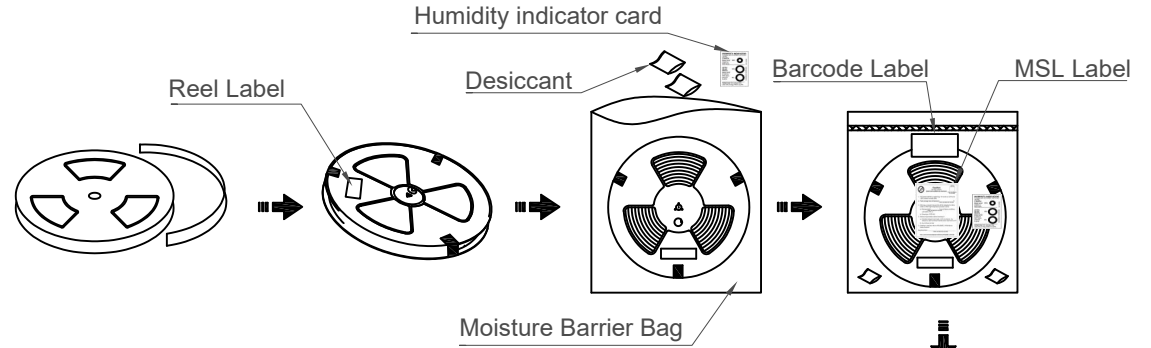
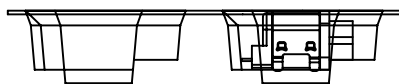
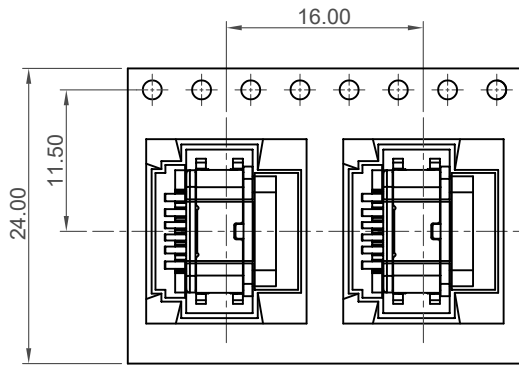


Direction of Unreeling

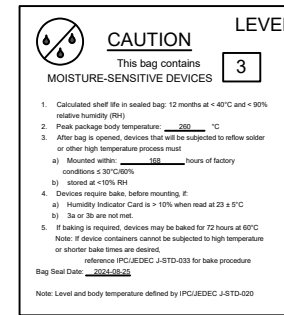
Peeling Angle 165°~180°



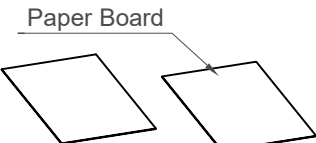
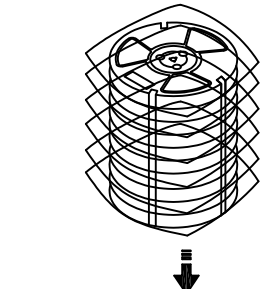
Direction of Unreeling



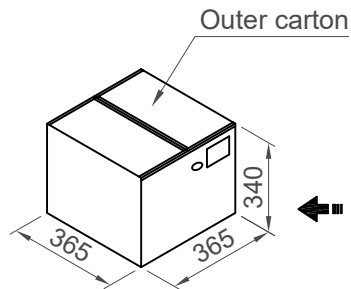
Humidity indicator card



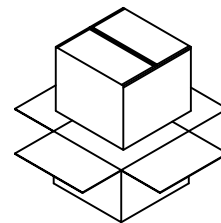
MSL Label



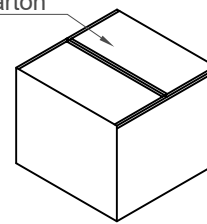
Folded paper board



Outer carton



Inner Carton



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

Part Number		Product Description	
USB4715		Type C Receptacle, Horizontal, Mid-Mount, SMT, IP67, For Power Charging Only, 6 Pin	
Drawing Date		4th July 2022	
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A6	Angle	3rd Angle Projection
Date	07/10/24		



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
--------------	-------------	---------------