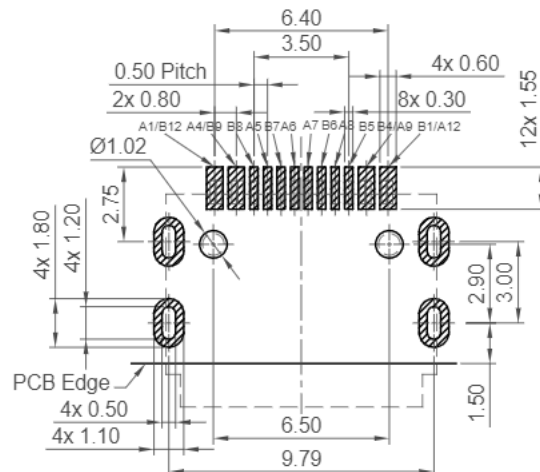
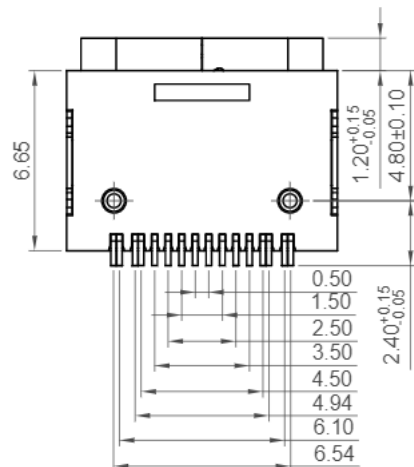
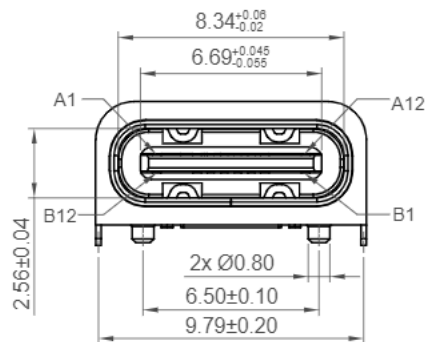
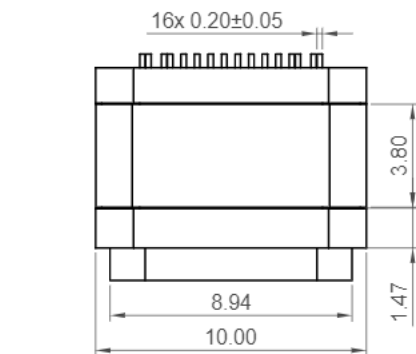
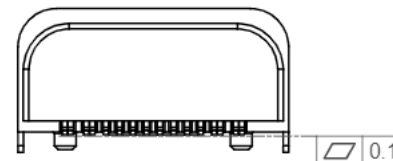
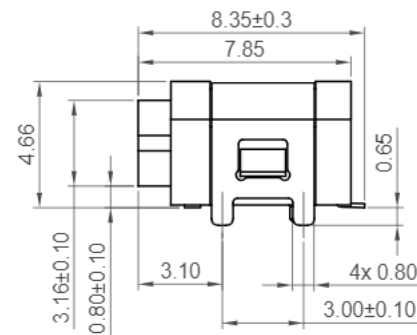


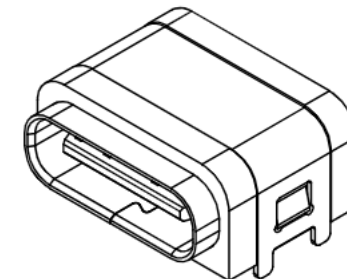


Recommended PCB Layout
Thickness 1.20±0.10mm
Tolerance: ±0.05mm

■ Solder Area □ Component Outline



Pin	Signal	Mating Sequence	Pin	Signal	Mating Sequence
A1	GND	First	B12	GND	First
A4	Vbus	First	B9	Vbus	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	B5	CC2	Second
A9	Vbus	First	B4	Vbus	First
A12	GND	First	B1	GND	First
SHELL	GND		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-04,
Shore Hardness 60A

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

Plating

Contact

Contact Area: Gold Flash

Solder Tails: Gold Flash

Underplating: 30µ" min. Nickel

Shell: 40µ" min. Nickel

Mid Plate: Clear

Electrical

Current Rating: 5.00A collectively for Vbus pins

6.25A collectively for GND pins

1.25A for A5/B5 pin

0.25A per pin for all others pins

Voltage Rating: 48V DC

Power Rating: 240W

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

USB4730 - GF - A - XXX [Request Samples and Quotation](#)

Contact Plating

GF = Gold Flash

Packing Options

A = Tape & Reel (600 per reel)

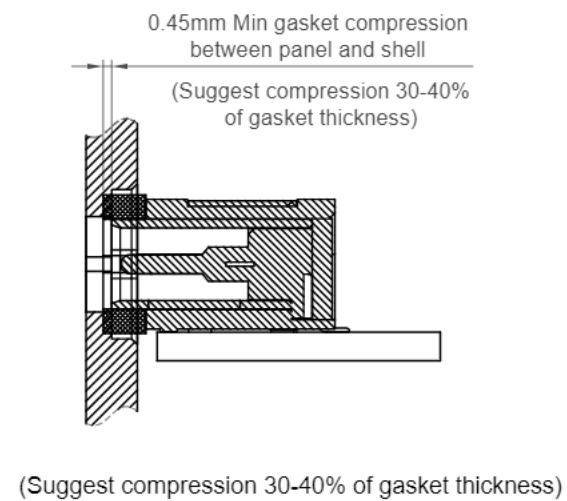
Gasket Options

KIT = Includes Gasket: USBTJ-04

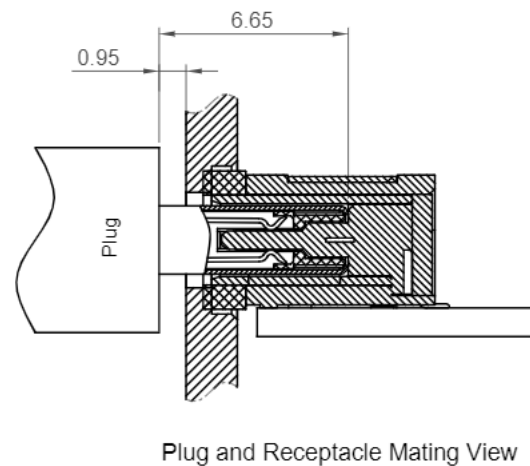
Blank = Connector Only (Without gasket)

Part Number USB4730			Product Description Type C Receptacle For USB2.0, SMT Type, Top Mount Horizontal, IP67, 16 Pin			 www.gct.co						
Drawing Date 21st November 2023												
By CC		Tolerances (Except as Noted) Length X.X ± 0.20 X.XX ± 0.15 X.XXX ± 0.10		Units: Metric (mm)		 © 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						
Detail Drawing Release A				 3rd Angle Projection								
Revision Date 21/11/23												
							Not to Scale		Drawn By CC		Sheet No. 1/4	

GCT
www.gct.co



Recommended Panel Spec



Plug and Receptacle Mating View

Recommended Waterproof Gasket

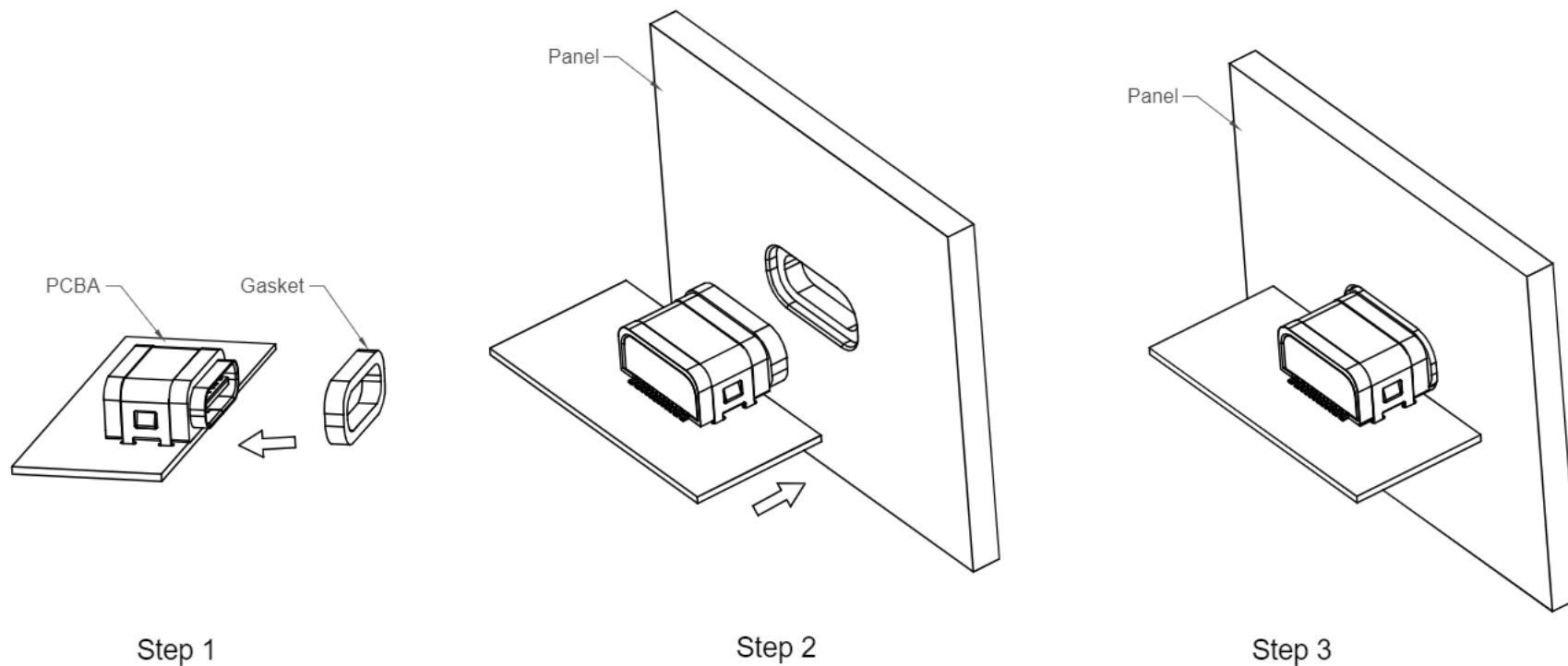
Gasket Part No.: USBTJ-04

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

(See separate datasheet for specification)

Part Number USB4730		Product Description Type C Receptacle For USB2.0, SMT Type, Top Mount Horizontal, IP67, 16 Pin		 www.gct.co	
Drawing Date 21st November 2023					
By CC	Tolerances (Except as Noted) Length Angle	Units: Metric (mm)	 	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	
Detail Drawing Release	X.X ± 0.20 X.XX ± 0.15 X.XXX ± 0.10	-	 3rd Angle Projection		
Revision Date	A 21/11/23			Not to Scale Drawn By CC Sheet No. 2/4	

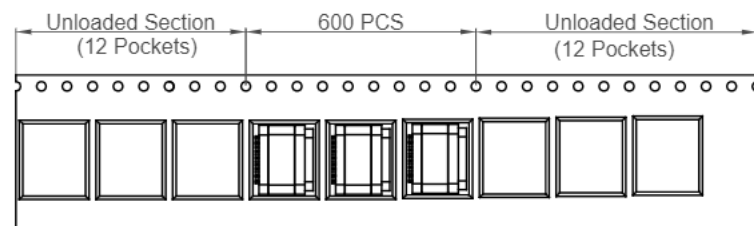
GCT
www.gct.co



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

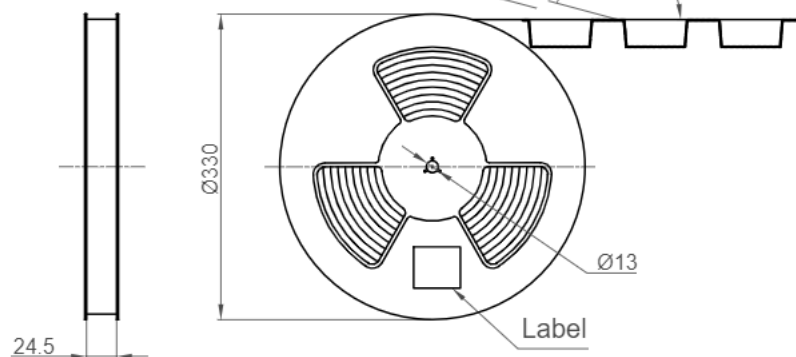
Part Number USB4730		Product Description Type C Receptacle For USB2.0, SMT Type, Top Mount Horizontal, IP67, 16 Pin	
Drawing Date 21st November 2023			
By CC	Drawing Release A	Tolerances (Except as Noted) Length X.X ± 0.20 X.XX ± 0.15 X.XXX ± 0.10	Units: Metric (mm)
Detail	Revision Date	Angle -	2nd Angle Projection
21/11/23			
		RoHS COMPLIANT 2011/REU Deca-BDE	
		© 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

GCT
www.gct.co

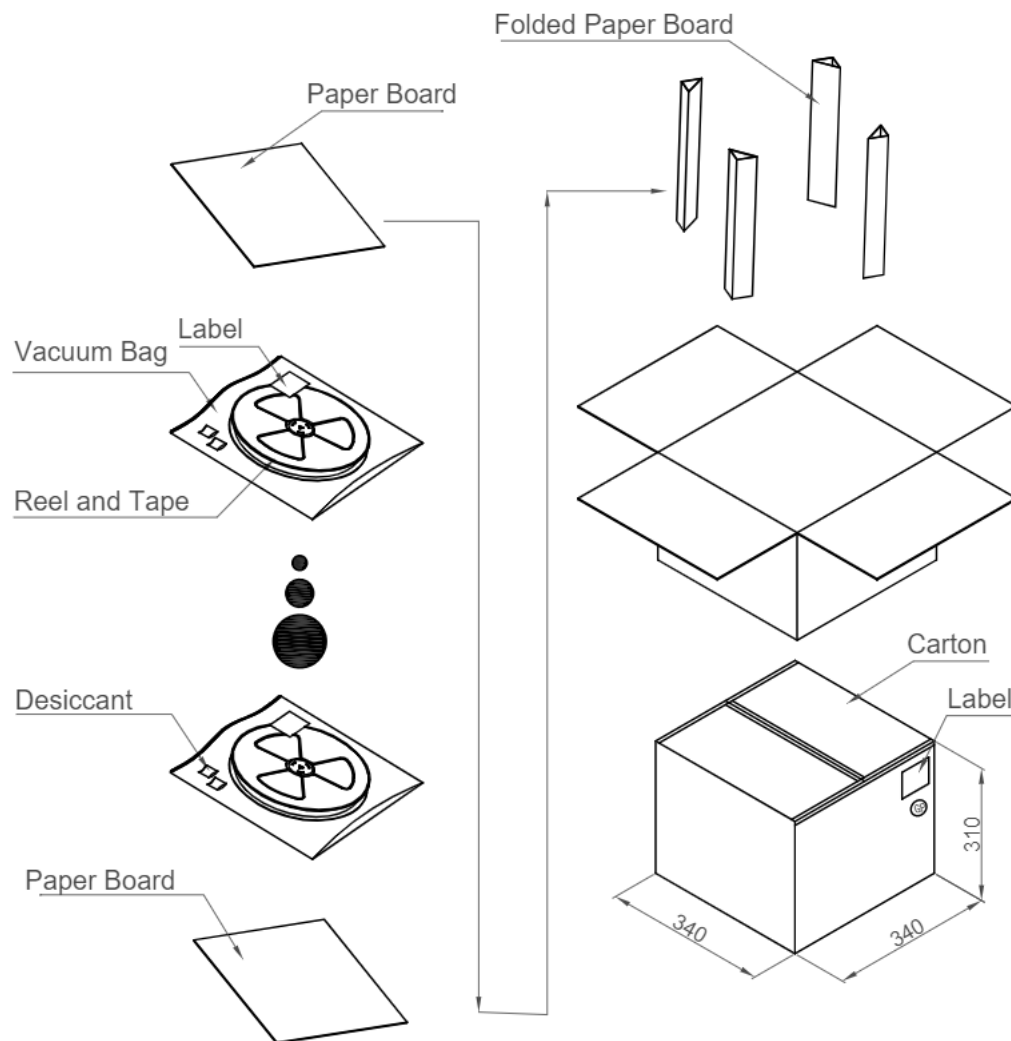
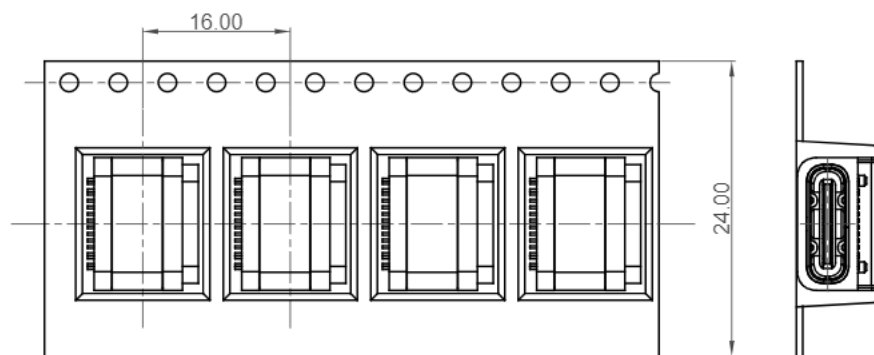


Direction of Unreeling

Peeling Angle
165°~180°



Direction of Unreeling



Pcs / Reel	Reels / Carton	Total Quantity
600	10	6,000 pcs

Part Number USB4730		Product Description Type C Receptacle For USB2.0, SMT Type, Top Mount Horizontal, IP67, 16 Pin	
Drawing Date 21st November 2023			
By CC	Drawing Release	Tolerances (Except as Noted) Length X.X ± 0.20 X.XX ± 0.15 X.XXX ± 0.10	Units: Metric (mm)
Detail	A	-	3rd Angle Projection
Revision	21/11/23		
Date			



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

GCT
www.gct.co

Not to Scale
Drawn By
CC
Sheet No.
4/4