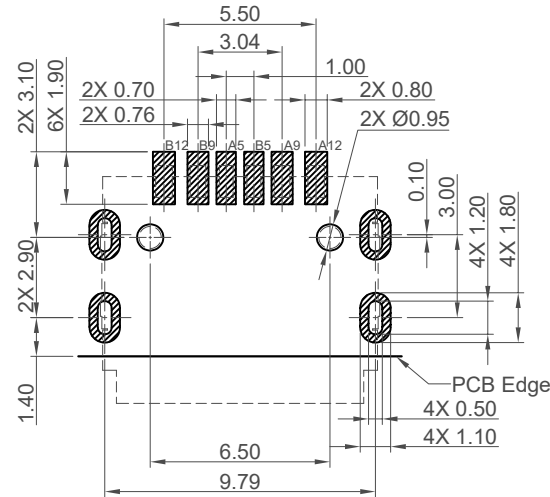
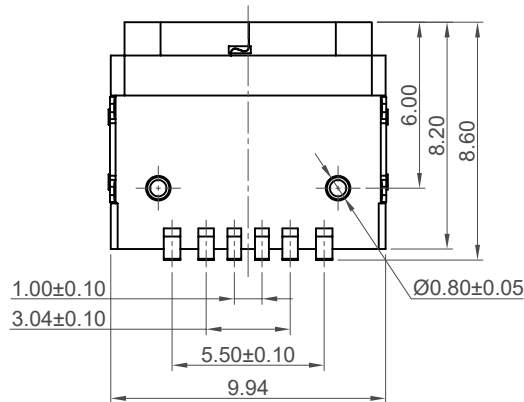
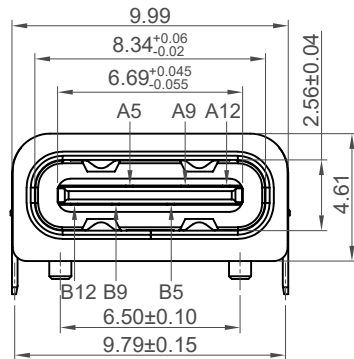
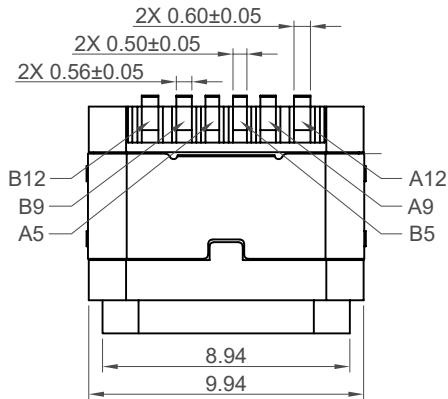
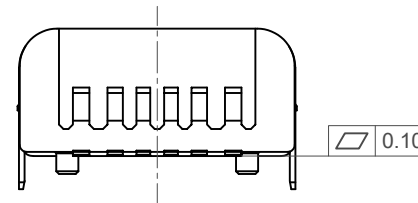
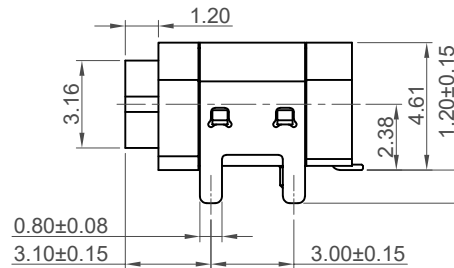


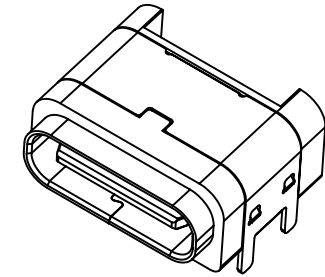


Recommended PCB Layout
Thickness 1.20±0.10mm
Tolerance: ±0.05mm

■ 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

Contact Plating

GF = Gold Flash

Packing Options

A = Tape & Reel (700 per reel)

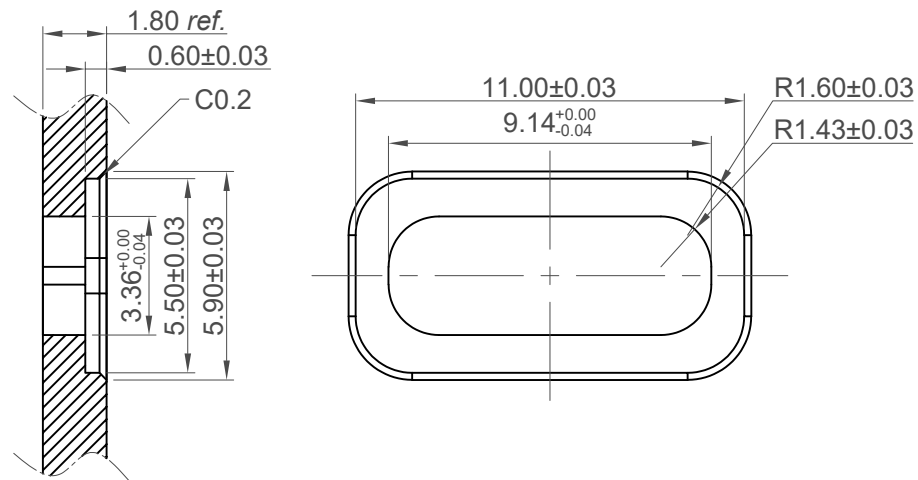
Gasket Options

KIT = Includes Gasket: USBTJ-06

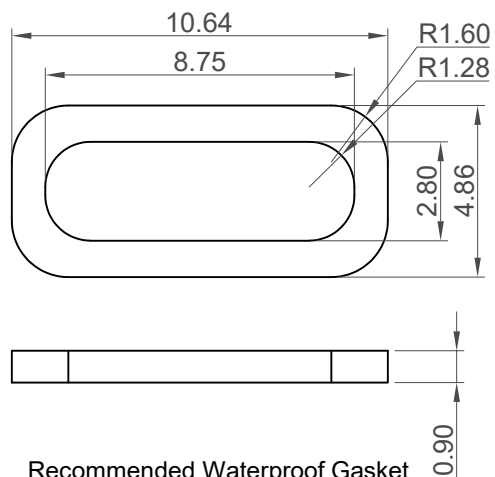
Blank = Connector Only (Without gasket)

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

GCT
www.gct.co



Recommended Panel Spec

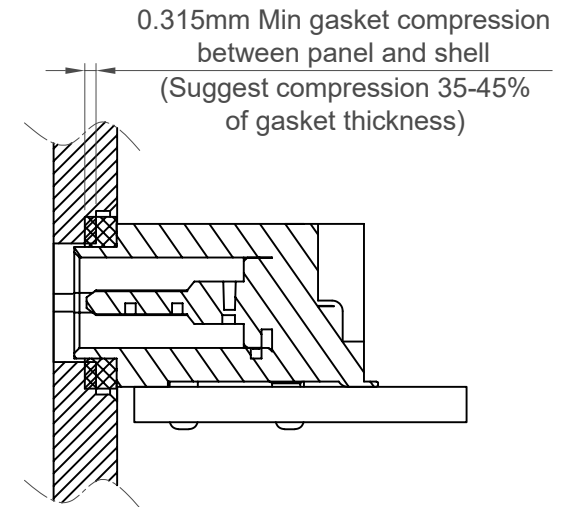


Recommended Waterproof Gasket

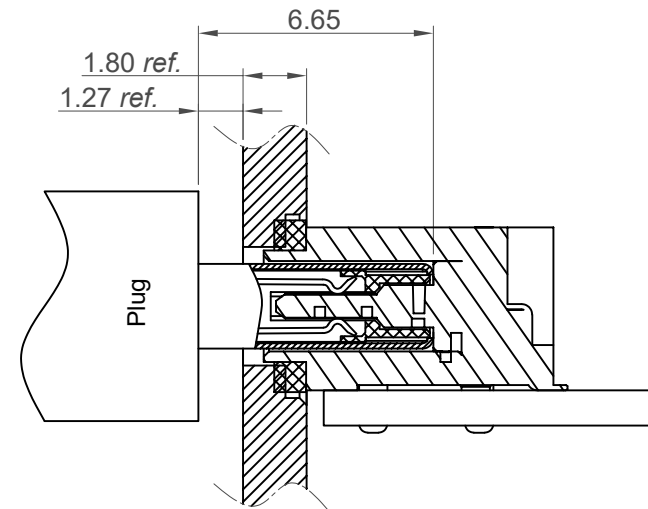
Gasket Part No.: USBTJ-06

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

(See separate datasheet for specification)



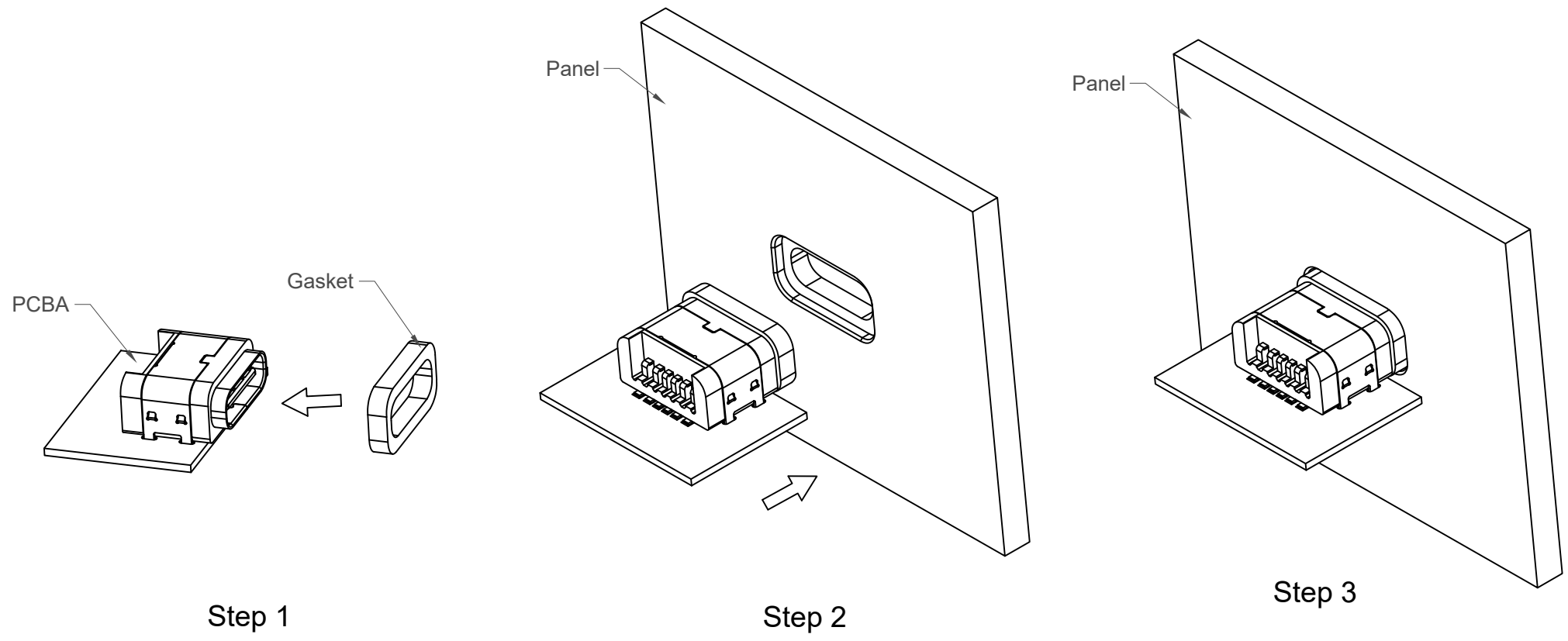
(Suggest compression 35-45% of gasket thickness)



Plug and Receptacle Mating View

Part Number		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	X.X ± 0.30	
Date	09/04/25	X.XX ± 0.25	
		X.XXX ± 0.10	
		$\pm 3^\circ$	
			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. 2/4

H
G
F
E
D
C
B
A



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

Part Number		Product Description			 www.gct.co
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:	 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	Length	Angle	Metric (mm)	
Revision	A	X.X ± 0.30	±3°	 3rd Angle Projection	
Date	09/04/25	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		KY	Sheet No.
					3/4



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