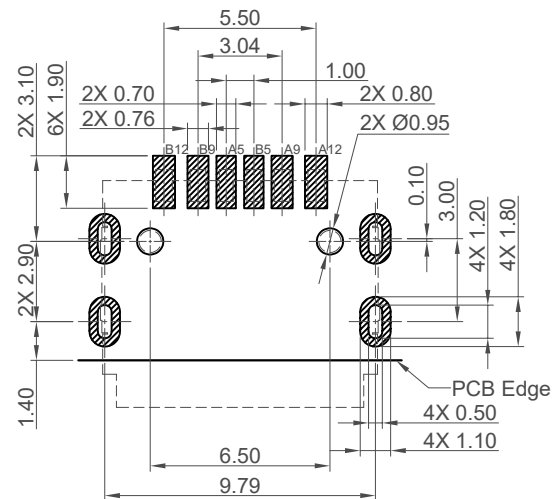
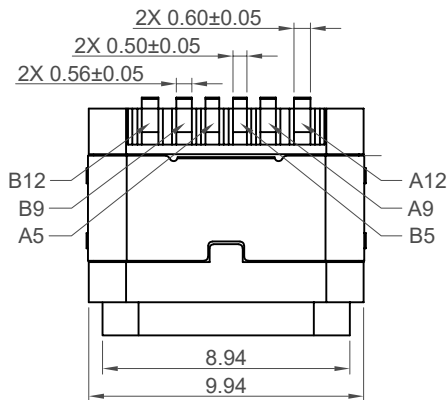
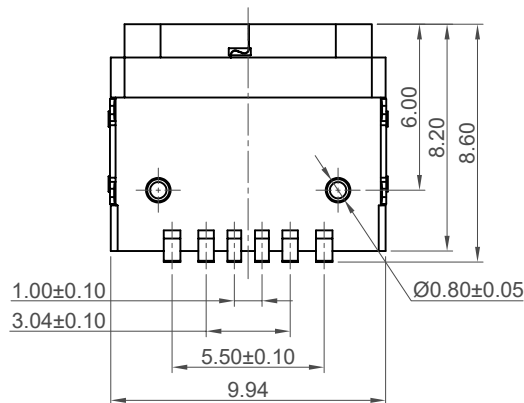
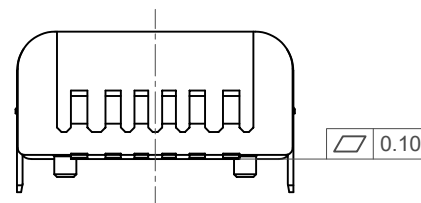
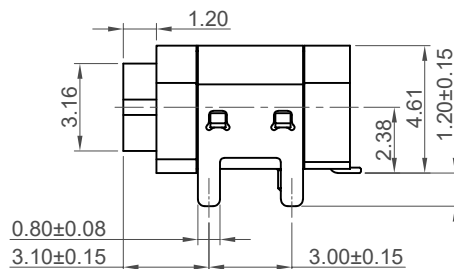
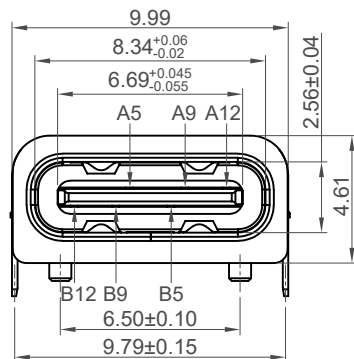




Recommended PCB Layout
Thickness 1.20±0.10mm
Tolerance: ±0.05mm

■ Solder Area □ Component Outline



Ordering Grid

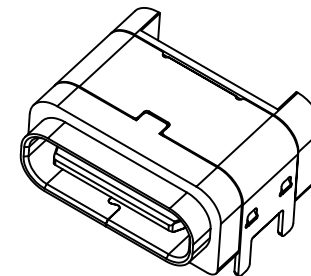
USB4736 - GF - A - XXX

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)

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

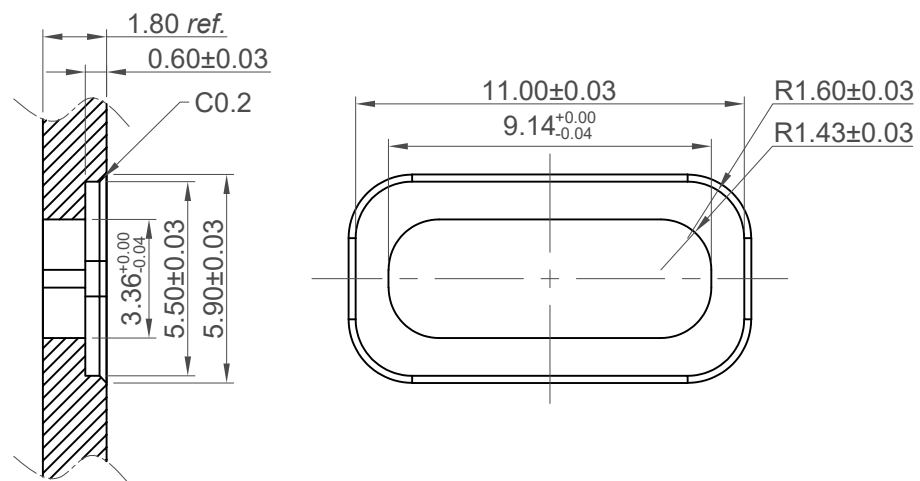
Electrical

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

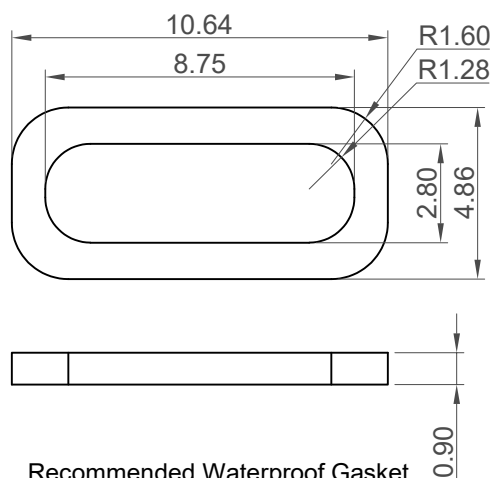
Mechanical & Environmental

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

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



Recommended Panel Spec

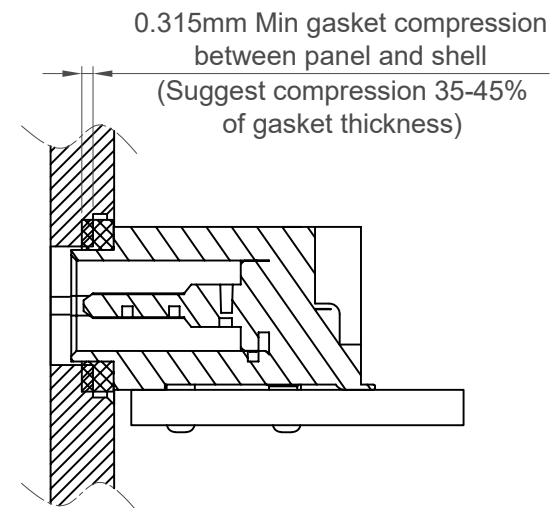


Recommended Waterproof Gasket

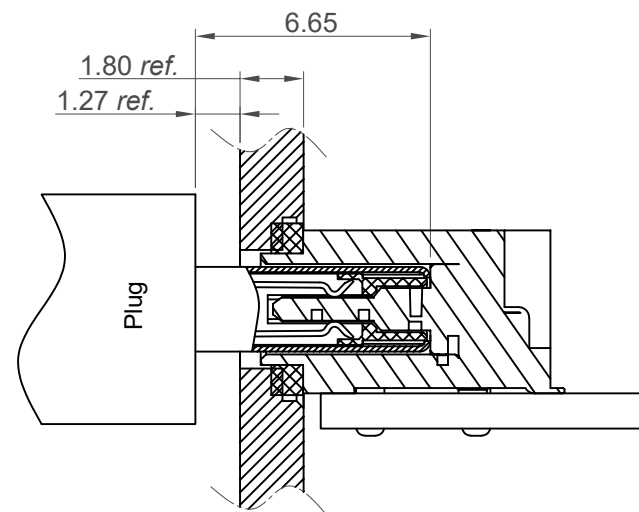
Gasket Part No.: USBTJ-06

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

(See separate datasheet for specification)



(Suggest compression 35-45% of gasket thickness)

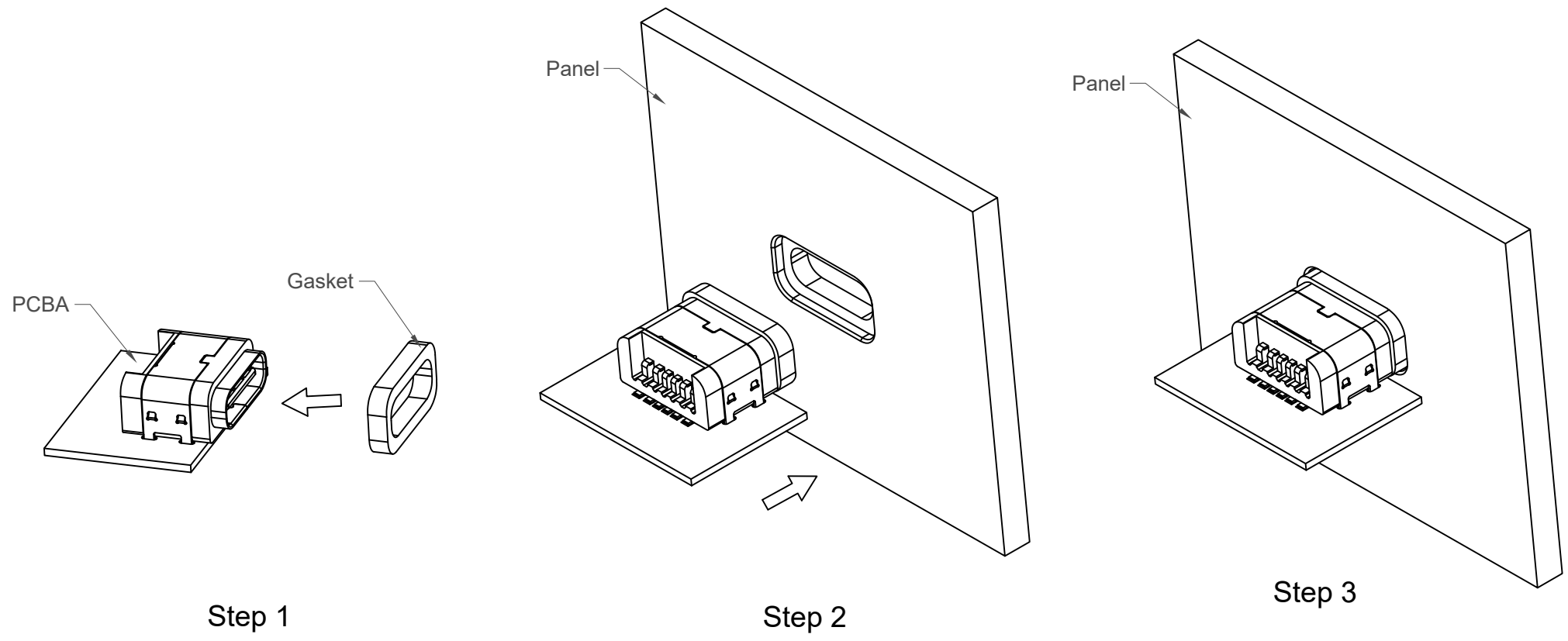


Plug and Receptacle Mating View

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	Angle	3rd Angle Projection
Date	09/04/25	X.X $ \pm 0.30$	
		X.XX $ \pm 0.25$	
		X.XXX $ \pm 0.10$	
		$ \pm 3^\circ$	
		RoHS COMPLIANT 2011/65/EU Deca-SIDE	
		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

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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	
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	Angle	±3°
Date	09/04/25	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.
		KY	3/4



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