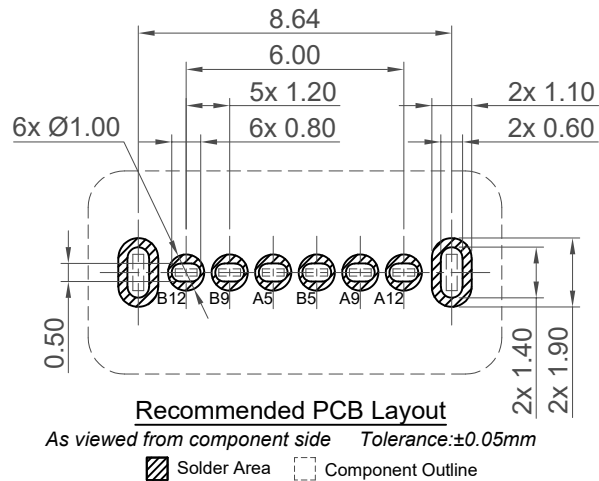
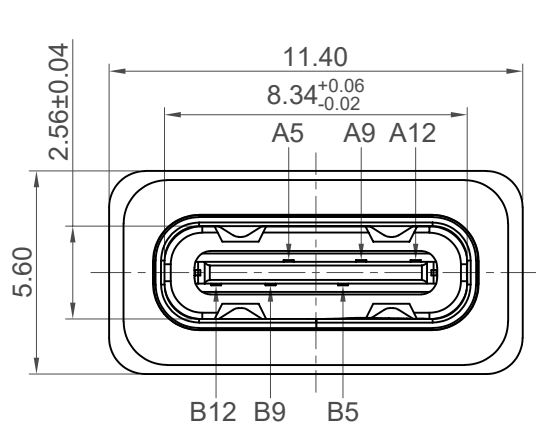
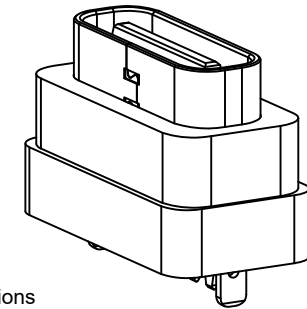




Pin	Signal	Mating Sequence
A5	CC1	Second
A9	VBUS	First
A12	GND	First
B5	CC2	Second
B9	VBUS	First
B12	GND	First
SHELL	GND	



Specifications

Material

Insulator: LCP, UL 94V-0, Black
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

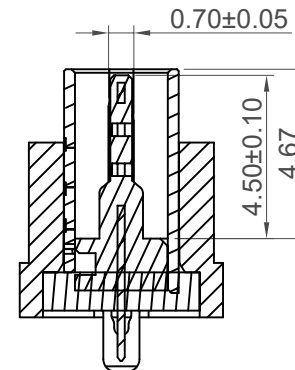
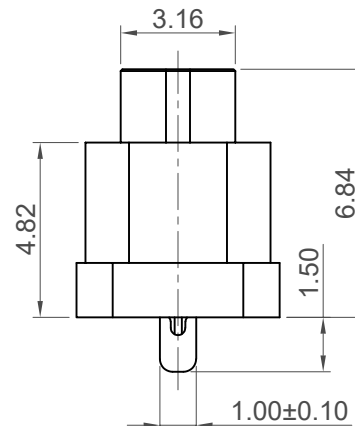
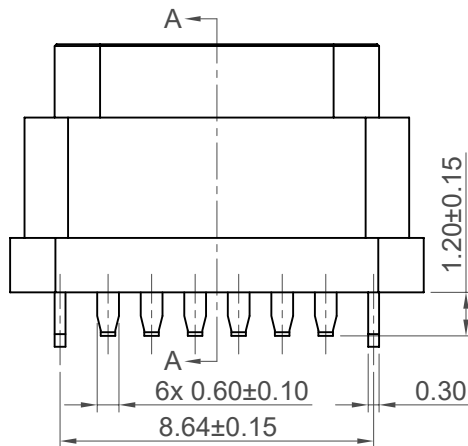
Contact
Contact Area: Gold Flash
Solder Tails: 50μ" min. Tin
Underplating: 50μ" min. Nickel
Shell: 30μ" min. Nickel
Mid Plate: Clear

Electrical

Current Rating: 3.00A collectively for 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: -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

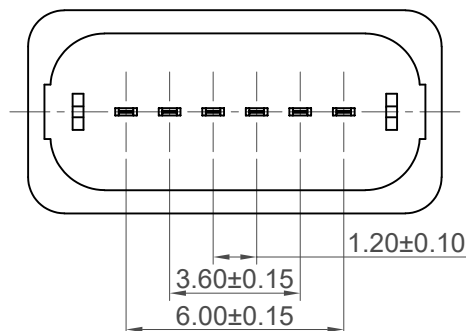
USB4750 - GF - C - XXX

Request Samples and Quotation

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)



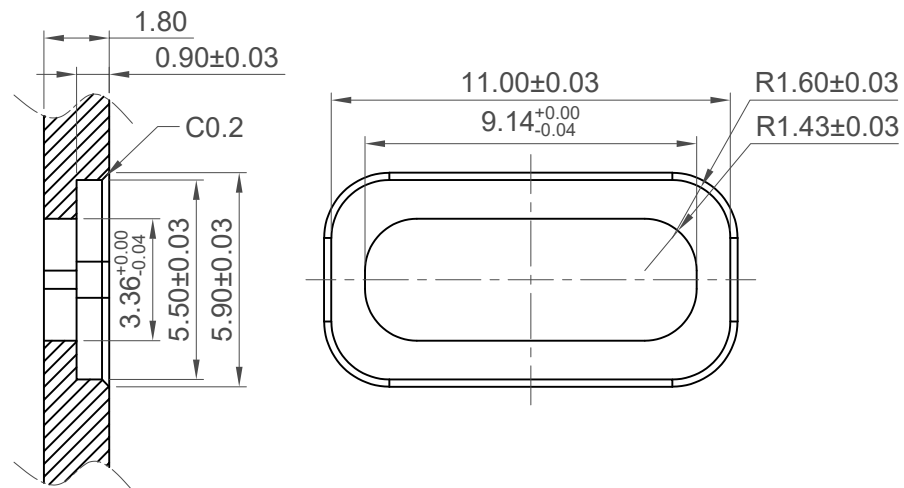
Part Number		Product Description	
USB4750		Type C Receptacle, Vertical, Top Mount, Through Hole, IP67, For Power Charging Only, 6Pin	
Drawing Date		19th December 2024	
By	KY	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A1	Angle	3rd Angle Projection
Date	09/01/25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



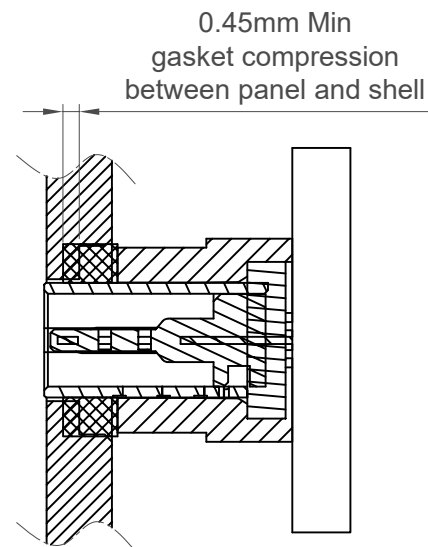
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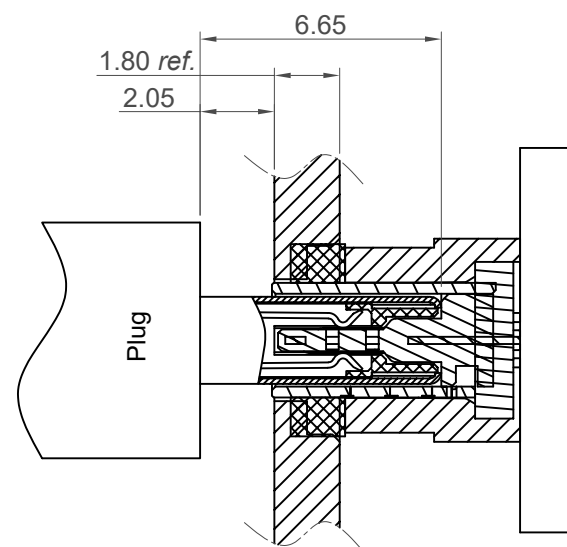
Not to Scale
Drawn By KY
Sheet No. 1/4



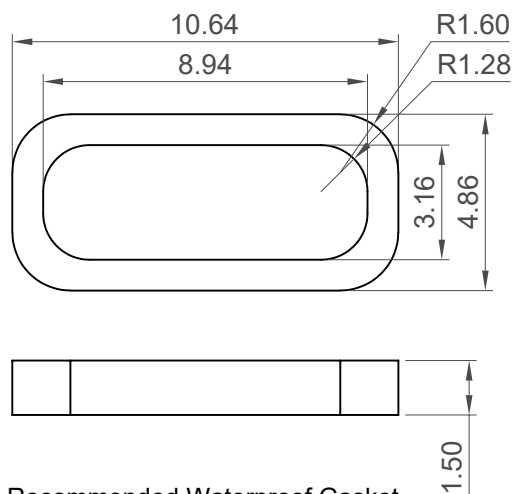
Recommended Panel Spec



Suggest compression 30-40% of gasket thickness

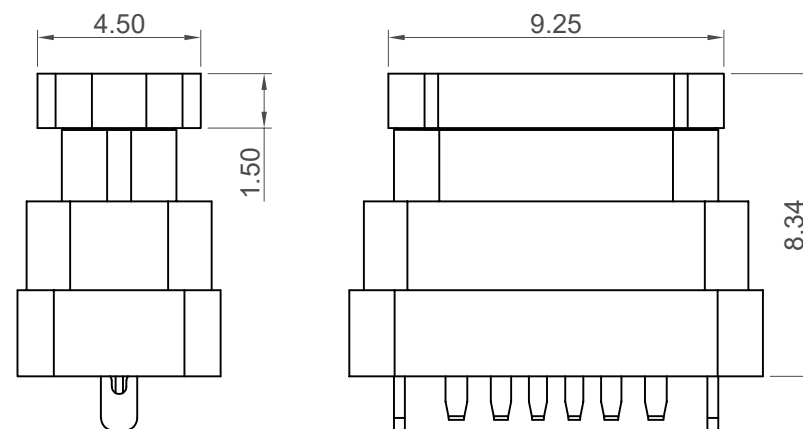


Plug and Receptacle Mating View



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	Angle	±3°
Date	09/01/25	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 KY
		Sheet No. 2/4	

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