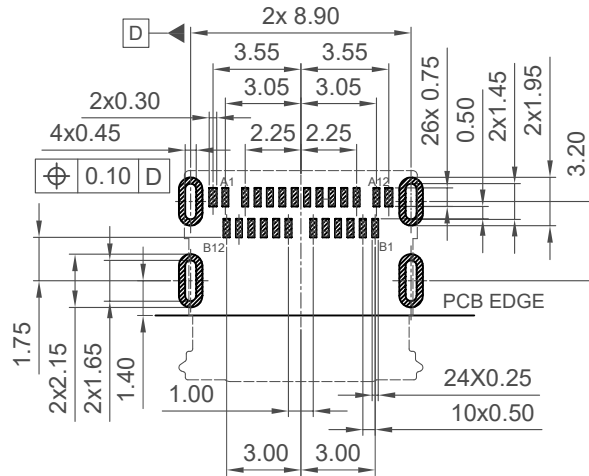
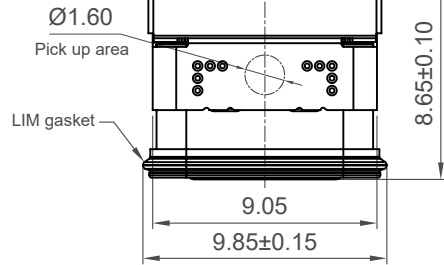


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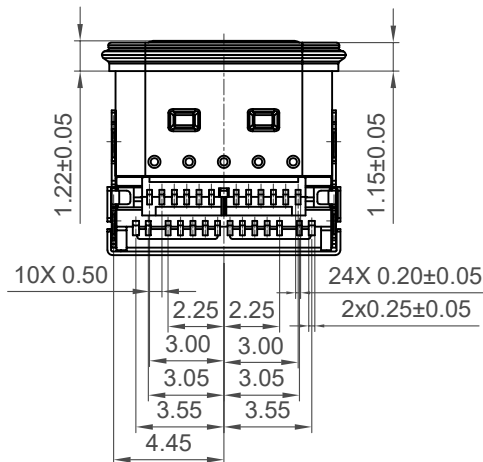
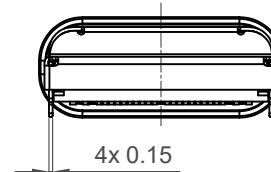
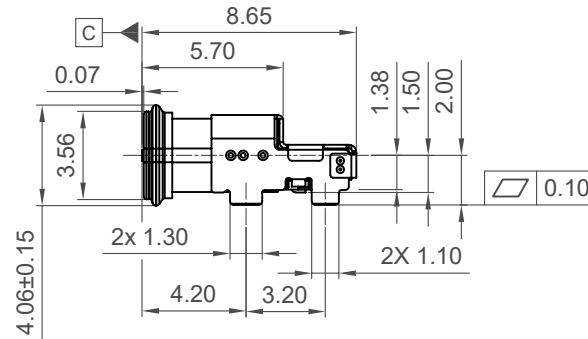
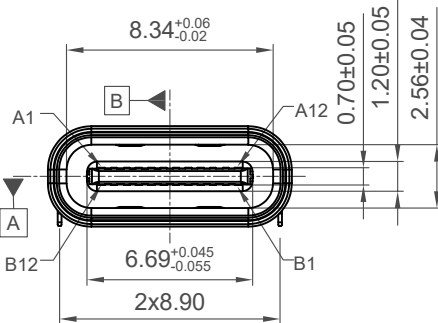


Recommended PCB Layout

Thickness 0.6±0.10mm

Tolerance: ±0.05mm

■ Solder Area □ Component Outline



Ordering Grid

USB4745 = XX = A

Request Samples and Quotation

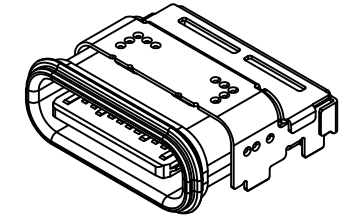
Contact Plating

03 = 3µ" Gold (Standard)

15 = 15µ" Gold

Packing Options

A = Tape & Reel (800 per reel)



Specifications

Material

Insulator: PA46, UL 94V-0, Black
Contact: Copper Alloy
Shell: Stainless Steel
EMI Ring: Stainless Steel
Mid Plate: Stainless Steel
Gasket: Silicone Rubber, Black,
Shore Hardness 60A

Plating

Contact

Contact Area: See Ordering Grid
Solder Tails: Gold Flash
Underplating: 50µ" - 100µ" Nickel
Shell: 50µ" min. Nickel
EMI Ring: 50µ" min. Nickel
Mid Plate: 50µ" min. Nickel

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

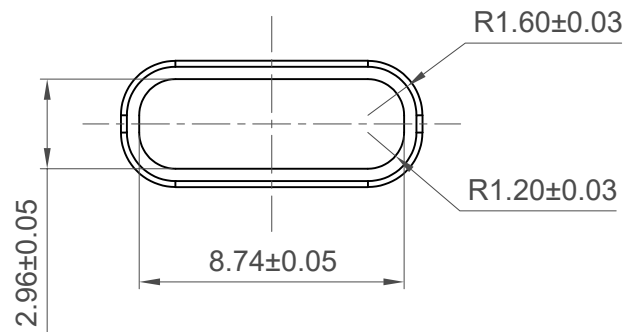
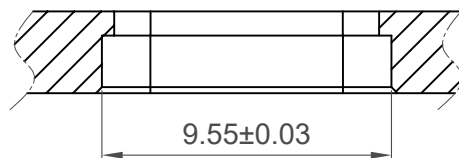
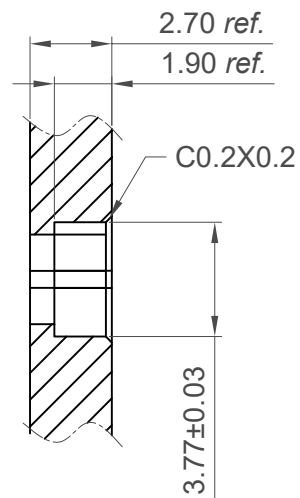
Ingress Protection Rating: IP68

(IPX8, 1.5m depth, 30mins duration)

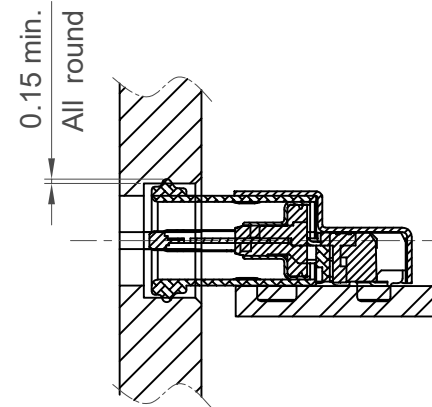
USB-IF TID NO.: 14381
IEC 62680-1-3: 2022

GCT
www.gct.co

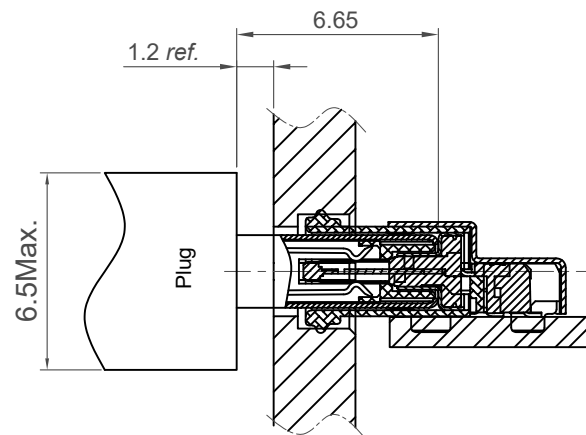
Part Number		Product Description	
USB4745		USB3.2 Gen2, Type C Receptacle, SMT Type, Top Mount	
Drawing Date		Horizontal, IP68, 24 Pin	
5th January 2024			
By	KY	Tolerances (Except as Noted)	Units:
Detail	USB4745	Length	Metric (mm)
	B PCN	Angle	
Revision	B	X.X ± 0.20	
Date	31/10/25	X.XX ± 0.15	
		X.XXX ± 0.10	
		3rd Angle Projection	
		RoHS COMPLIANT 2011/65/EU	
		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. 1/3	



Recommended Panel Spec



Gasket compression between panel and shell



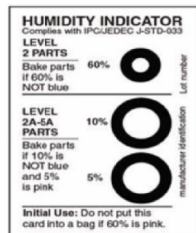
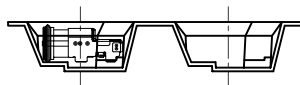
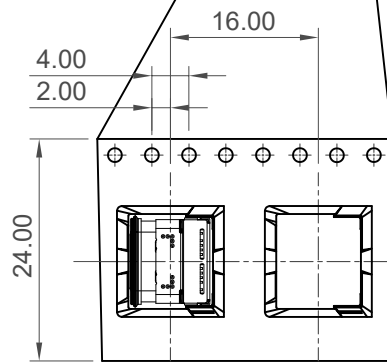
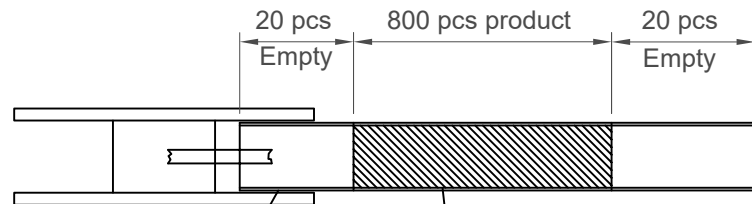
Gasket compression between panel and shell

Part Number		Product Description			 www.gct.co
USB4745		USB3.2 Gen2, Type C Receptacle, SMT Type, Top Mount			
Drawing Date		Horizontal, IP68, 24 Pin			
5th January 2024					
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	USB4745 B PCN	Length	Angle	Metric (mm)	
Revision	B	X.X ± 0.20	-	 3rd Angle Projection	
Date	31/10/25	X.XX ± 0.15			
		X.XXX ± 0.10			
					
					
				</	

GCT
www.gct.co

Not to Scale Drawn By CC Sheet No. 2/3

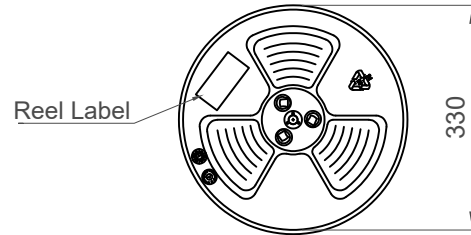
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Humidity indicator card



MSL Label



Reel Label

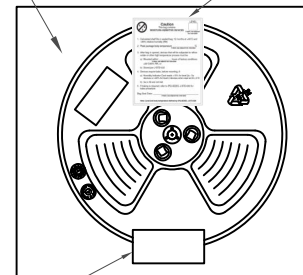


Humidity indicator card

Desiccant

Vacuum Bag

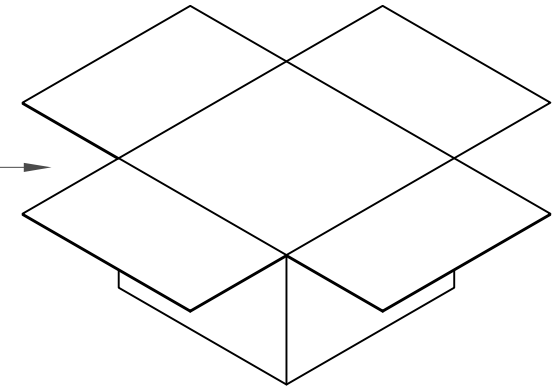
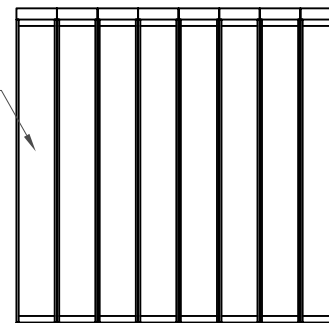
MSL Label



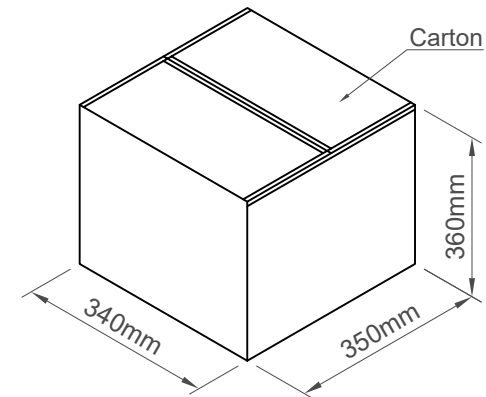
Vacuum Bag Label

9 Reels

Inner Box



Carton



Pcs / Reel	Reels / Carton	Total Quantity
800	9	7,200 pcs

Part Number			Product Description			 www.gct.co			
USB4745			USB3.2 Gen2, Type C Receptacle, SMT Type, Top Mount Horizontal, IP68, 24 Pin						
Drawing Date									
5th January 2024									
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		
		Length	Angle	Metric (mm)					
Detail	USB4745 B PCN	X.X ± 0.20 X.XX ± 0.15 X.XXX ± 0.10	-	 3rd Angle Projection					
Revision	B								
Date	31/10/25						Not to Scale	Drawn By CC	Sheet No. 3/3