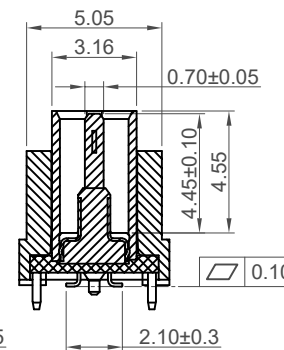
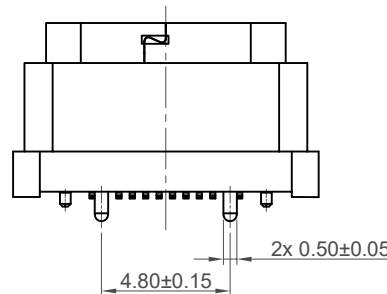
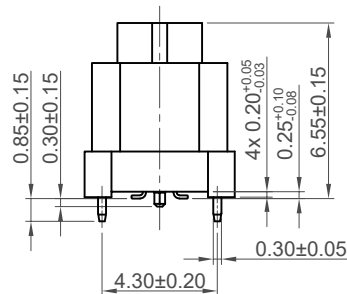
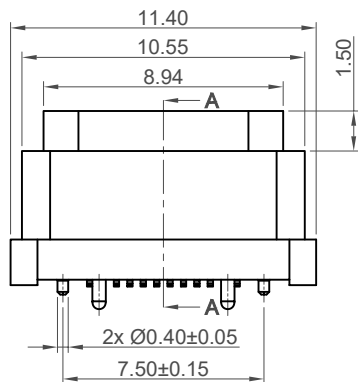


Recommended PCB Layout

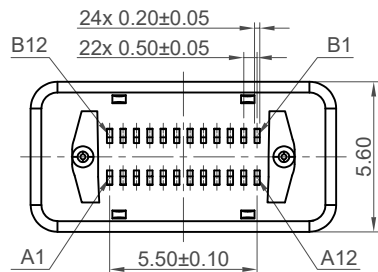
Thickness 1.00±0.10mm

Tolerance: ±0.05mm

■ Solder Area □ Component Outline



Section: A-A



Ordering Grid

USB4725 - 03 - C - XXX

Request Samples and Quotation

Contact Plating

03 = 3µ" Gold

Packing Options

C = Tape & Reel With Cap

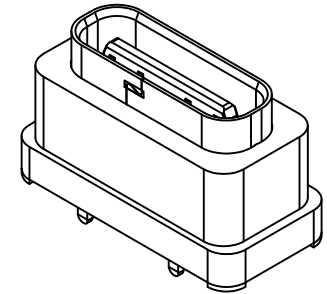
(600 per reel)

Gasket Options

KIT = Includes Gasket: USBTJ-04

Blank = Connector Only (Without gasket)

Pin	Signal	Mating Sequence	Pin	Signal	Mating Sequence
A1	GND	First	B12	GND	First
A2	SSTXp1	Second	B11	SSRXp1	Second
A3	SSTXn1	Second	B10	SSRXn1	Second
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
A10	SSRXn2	Second	B3	SSTXn2	Second
A11	SSRXp2	Second	B2	SSTXp2	Second
A12	GND	First	B1	GND	First
SHELL	GND		SHELL	GND	



Specifications

Material

Insulator: LCP, UL 94V-0, Black
Plastic Shell: PA10T, UL 94V-0, Black
Contact: Copper Alloy
Shell: Stainless Steel
Mid Plate: Stainless Steel
EMI 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: 3µ" Gold
Solder Tails: Gold Flash
Underplating: 50µ" min. Nickel
Shell: 30µ" min. Nickel
Mid Plate: Clear
EMI Plate: 30µ" 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 other 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: -25°C to +85°C

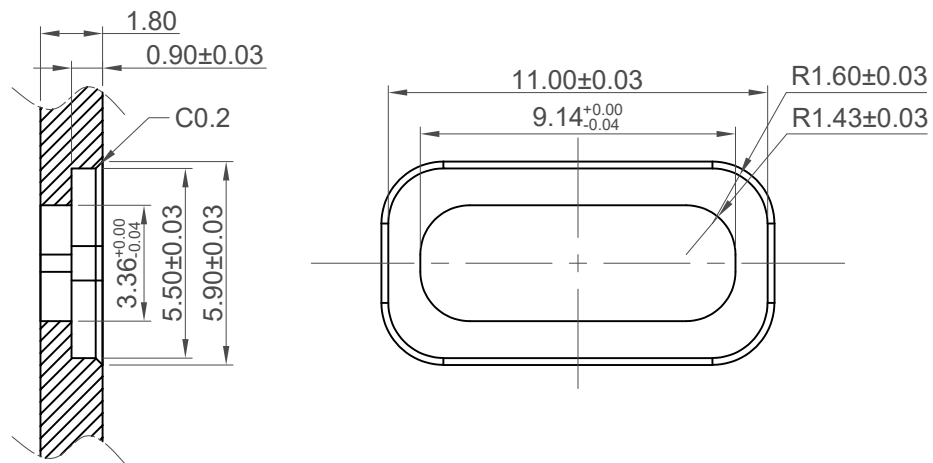
Mating Force: 5 to 20 N.

Unmated Force: 6 to 20 N after test

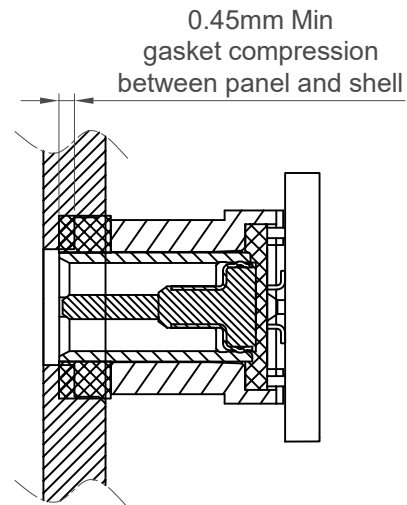
Durability: 20,000 cycles

Ingress Protection Rating: IP67

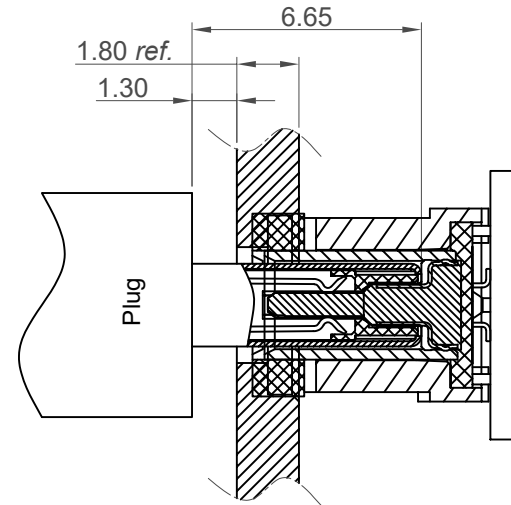
Part Number			Product Description		
USB4725			USB3.2 Gen2 Type C Receptacle, Vertical, SMT,		
Drawing Date			IP67, 24 Pin		
10th September 2024					
By	KY	Tolerances (Except as Noted)		Units:	<div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div>RoHS</div><div>COMPLIANT</div><div>2011/05/EU</div><div>Dec-BDE ✓</div></div></div> <div>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</div>
Detail	Drawing Release	Length	Angle	Metric (mm)	
Revision	A1	X.X ± 0.30	±3°		
Date	11/03/25	X.XX ± 0.20		3rd Angle Projection	
		X.XXX ± 0.10			
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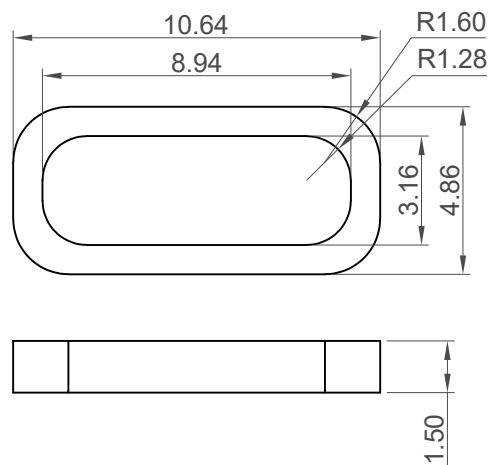
Recommended Panel Spec



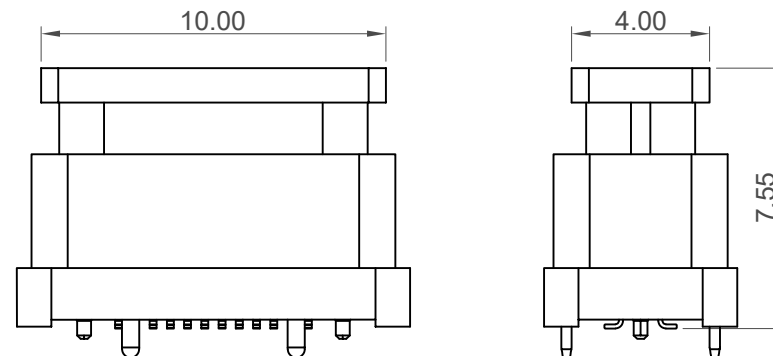
Suggest compression 30-40%
of gasket thickness



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)*

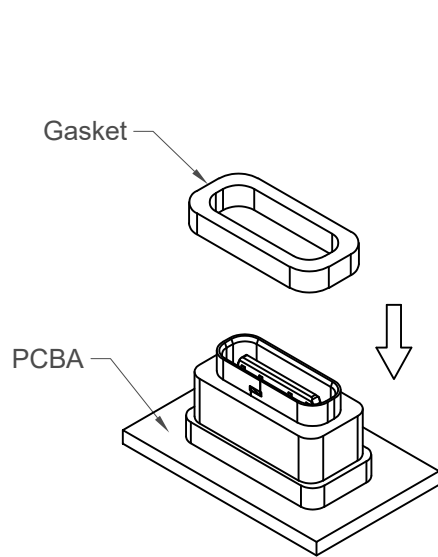


Cap Information

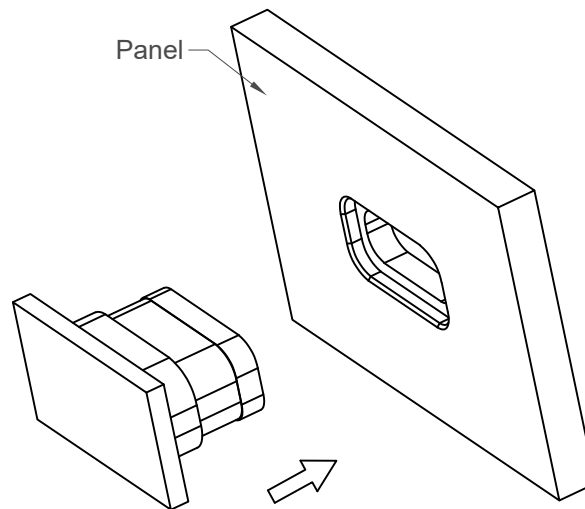
Part Number		Product Description			
USB4725		USB3.2 Gen2 Type C Receptacle, Vertical, SMT,			
Drawing Date		IP67, 24 Pin			
10th September 2024					
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GCT
www.gct.co

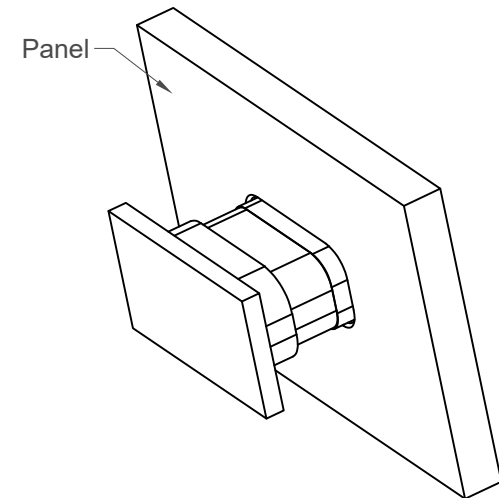
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Step 1







Step 2



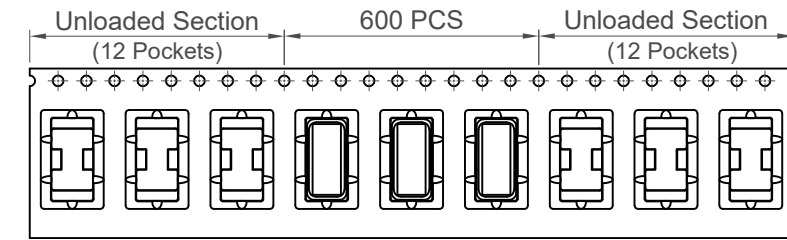
Step 3

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

Part Number		Product Description				 www.gct.co		
USB4725		USB3.2 Gen2 Type C Receptacle, Vertical, SMT,						
Drawing Date		IP67, 24 Pin						
10th September 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	Drawing Release	Length	Angle	Metric (mm)				
Revision	A1	-	-					
Date	11/03/25							
						Not to Scale	Drawn By KY	Sheet No. 3/4

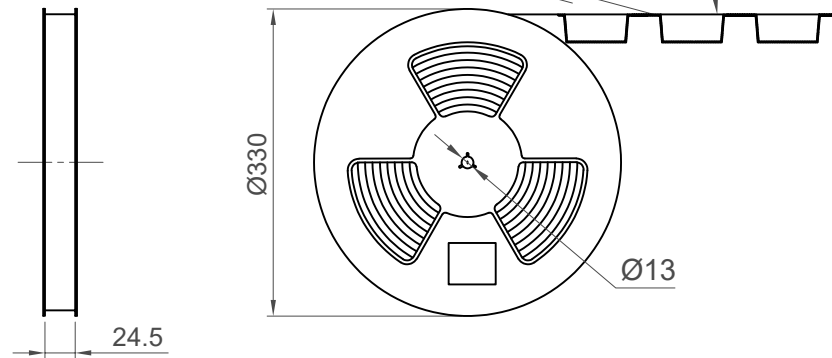
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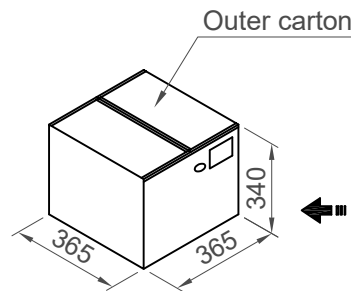
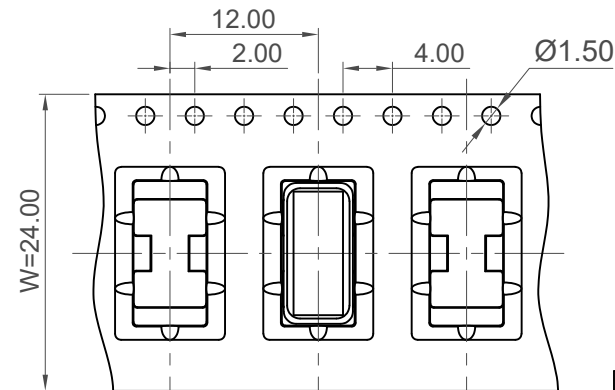


Direction of Unreeling

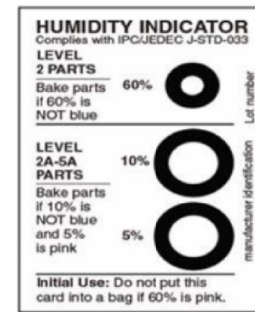
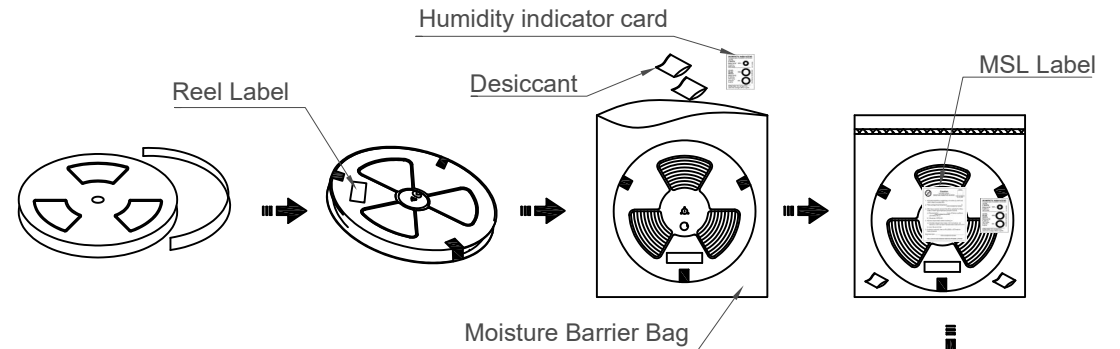
Peeling Angle 165°~180°



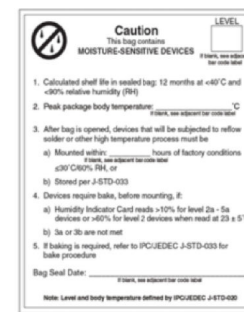
Direction of Unreeling



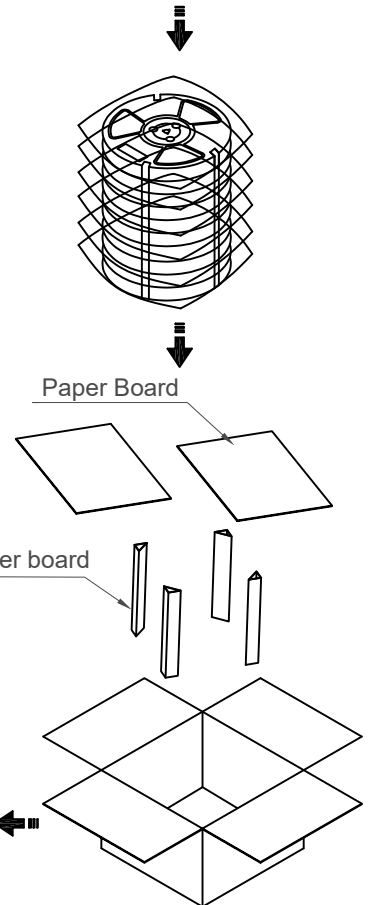
Pcs / Reel	Reels / Carton	Total Quantity
600	10	6,000 pcs



Humidity indicator card



MSL Label



Inner Carton

Part Number		Product Description	
USB4725		USB3.2 Gen2 Type C Receptacle, Vertical, SMT, IP67, 24 Pin	
Drawing Date			
10th September 2024			
By	KY	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A1	Angle	3rd Angle Projection
Date	11/03/25		



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