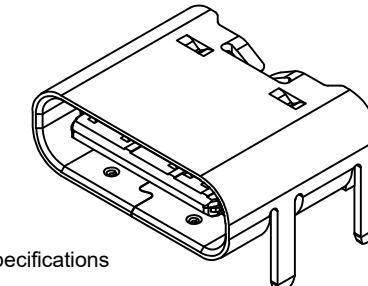
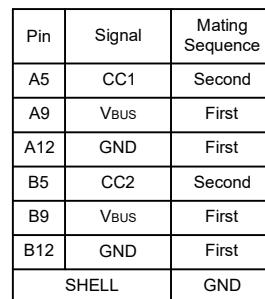


## Recommended PCB Layout

**Tolerance:  $\pm 0.05mm$**

 Solder Area  Component Outline



## Specifications

## Materials

Insulator: LCP, UL 94V-0, Black  
Contact: Copper Alloy  
Shell: Stainless Steel  
Mid plate: Stainless Steel

## Platinum

## Contact

Contact Area: Gold  
Solder Tails: Gold  
Underplating: 30 $\mu$ " min. Nickel  
Shell: 30 $\mu$ " min. Nickel  
Mid plate: Clear

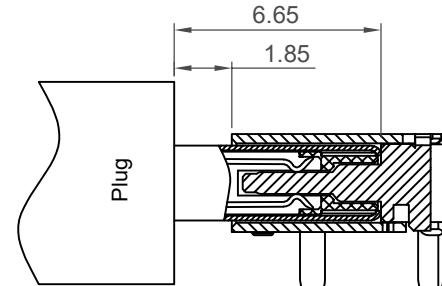
## Electrical

Current Rating: 3.00A collectively for Vbus pins  
4.25A collectively for GND pins  
1.25A for A5/B5 pin

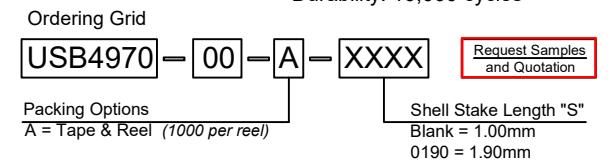
Voltage Rating: 48V DC  
Contact Resistance: 40mΩ max initial.  
50mΩ max after test  
Dielectric Withstanding Voltage: 100V AC  
Insulation Resistance 100MΩ min

Mechanical & Environmental

Operating Temperature: -30°C to +85°C  
Mating Force: 5 to 20 N.  
Unmated Force: 6 to 20 N after test  
Durability: 10.000 cycles



### Plug and Receptacle Mating View

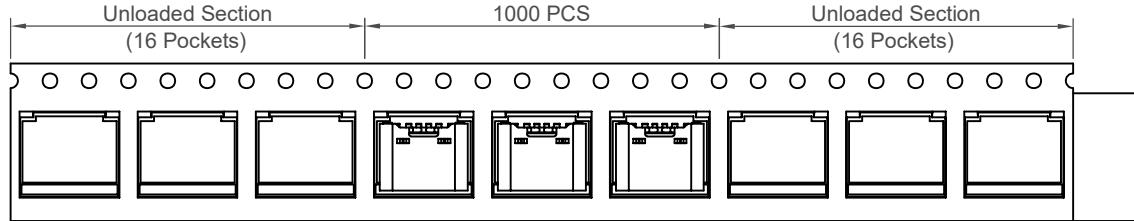


Part Number		Product Description				
USB4970		Type C Receptacle, Horizontal, SMT, For Power Charging Only				
Drawing Date						
8th December 2025						
By	CC	Tolerances (Except as Noted)	Length	Angle	Units: Metric (mm)	RoHS COMPLIANT 2011/65/EU Dec-2024 ✓
Detail	Drawing Release	X.XX ± 0.30	X.XX ± 0.25	-	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
Revision	A	X.XXX ± 0.10				
Date	08/12/25					



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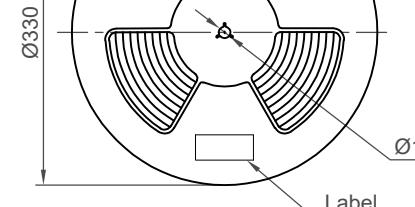
Not to Scale	Drawn By CC	Sheet No. 1/2
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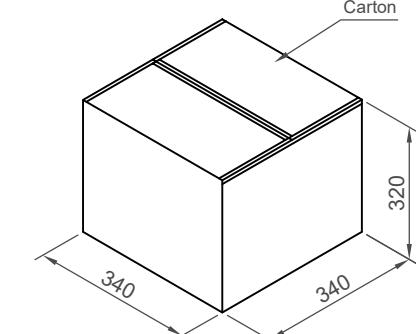
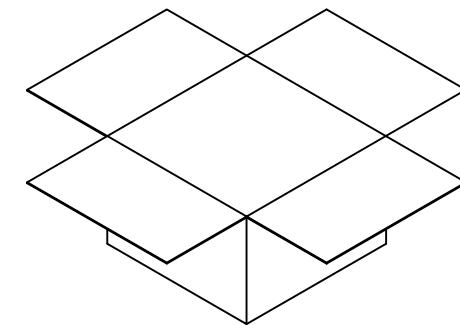
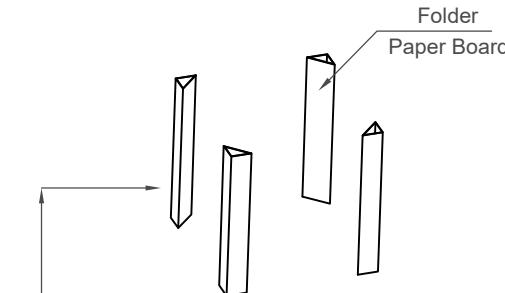
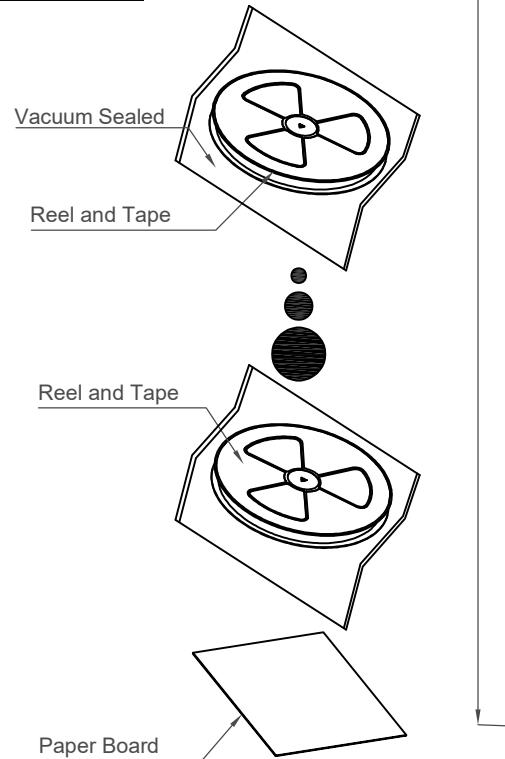
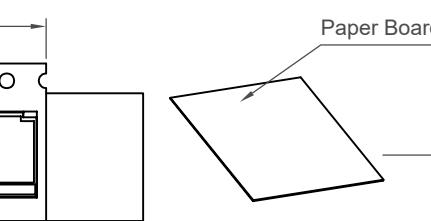
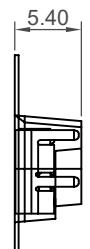
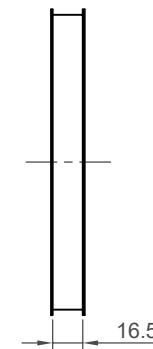
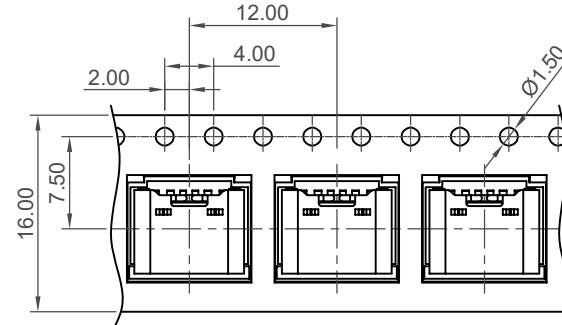
Direction of Unreeling

Peeling Angle  
165°~180°

Direction of Unreeling



Direction of Unreeling



Pcs / Reel	Reels / Carton	Total Quantity
1000	13	13,000 pcs

Part Number	Product Description		
USB4970	Type C Receptacle, Horizontal, SMT, For Power Charging Only		
Drawing Date	8th December 2025		
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length Angle	Metric (mm)
Revision	A	-	-
Date	08/12/25		3rd Angle Projection

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

(C)

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