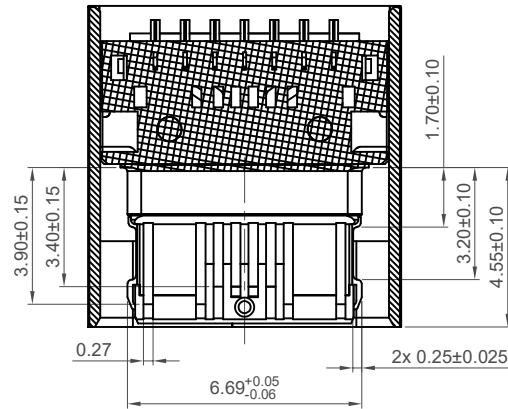
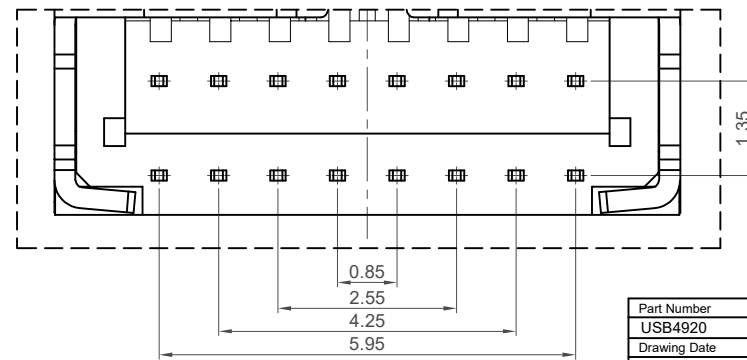
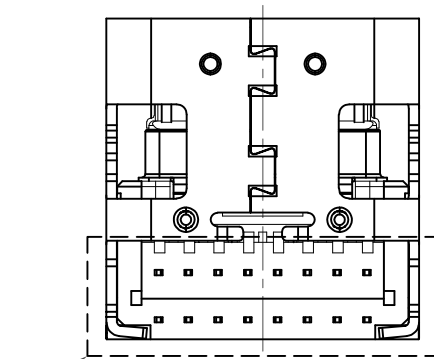
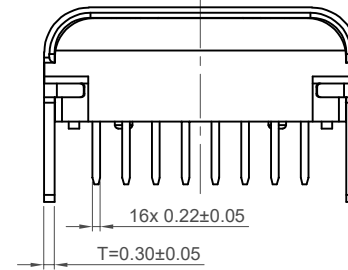
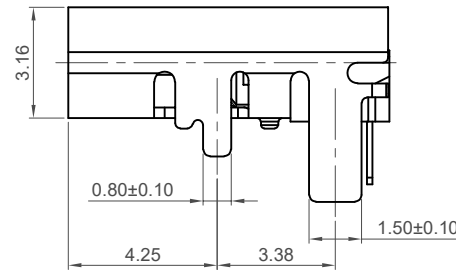
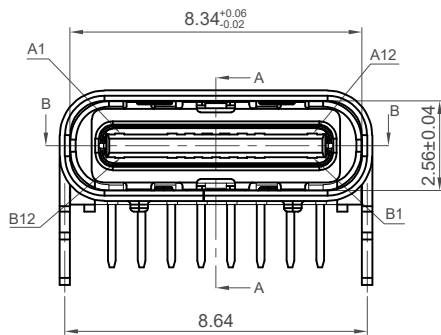


Section A-A



Section B-B



Detail C
Scale 2:1

Pin	Signal	Mating Sequence	Pin	Signal	Mating Sequence
A1	GND	First	B12	GND	First
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
A12	GND	First	B1	GND	First
SHELL	GND		SHELL	GND	

Specifications

Material

Insulator: LCP, UL 94V-0, Black

Contact: Copper Alloy

Shell: Stainless steel

Inner Ground Cover Shell: Stainless Steel

Mid-Plate: Stainless Steel

Plating

Contact:

Contact Area: Gold

Solder Tails: Gold

Underplating: 50µ" min. Nickel

Shell: 50µ" min. Nickel

Inner Ground Cover Shell & Mid-Plate: Clear

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: -40°C to 85°C



Mating Force: 5 to 20 N.

Unmated Force: 6 to 20 N after test

Durability: 10,000 cycles

Ordering Grid

USB4920	-00-	A	Request Samples and Quotation
			Packing Options
			A = Tape & Reel
			(700 per reel)

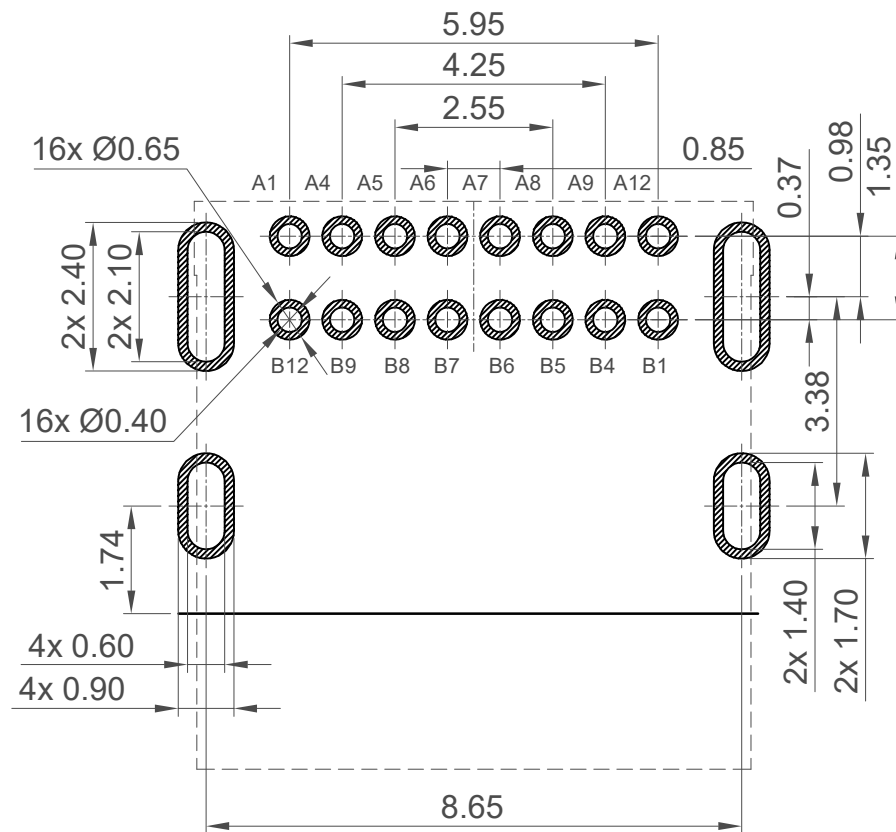
Part Number		Product Description			
USB4920		USB 2.0 Type C Receptacle			
Drawing Date		Dip Type, PCB Top Mount			
8th December 2025					
By	CC	Tolerances (Except as Noted)		Units:	<div><div>C</div><div>This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE</div></div>
Detail	Drawing Release	Length	Angle	Metric (mm)	
Revision	A	X. ± 0.50	± 2°	 3rd Angle Projection	
Date	08/12/25	XX ± 0.30			
		X.XX ± 0.20			
		X.XXX ± 0.10			



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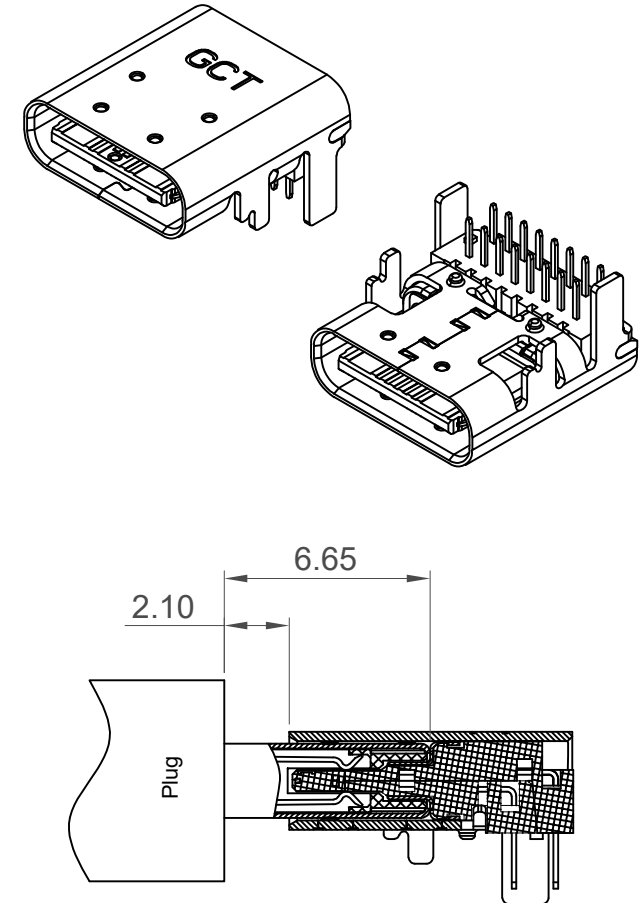
Not to Scale	Drawn By	Sheet No.
	CC	1/3



Recommended PCB Layout

As viewed from component side Tolerance: $\pm 0.05\text{mm}$

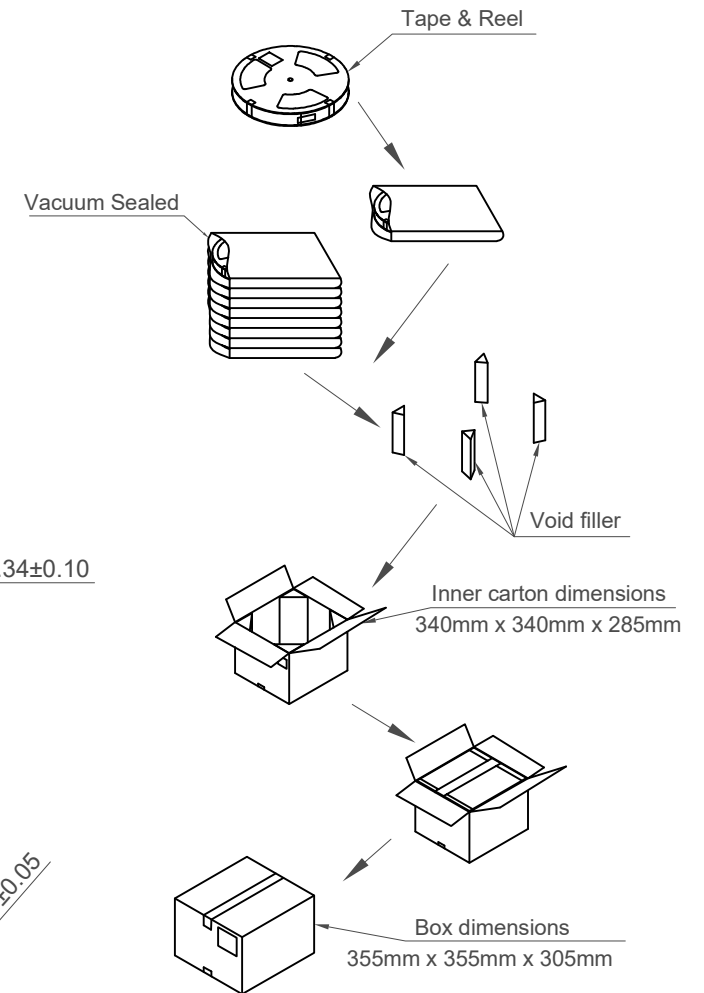
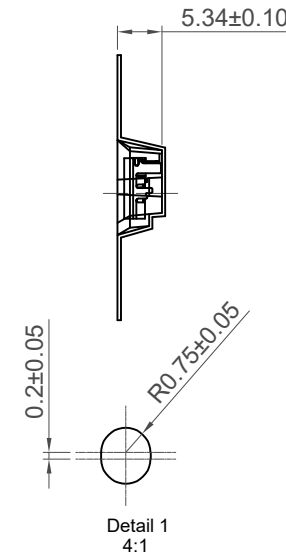
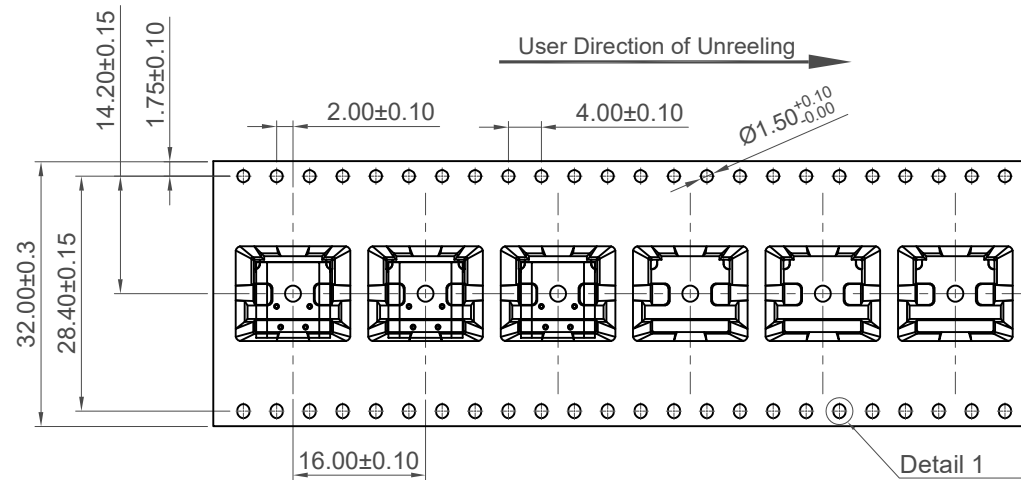
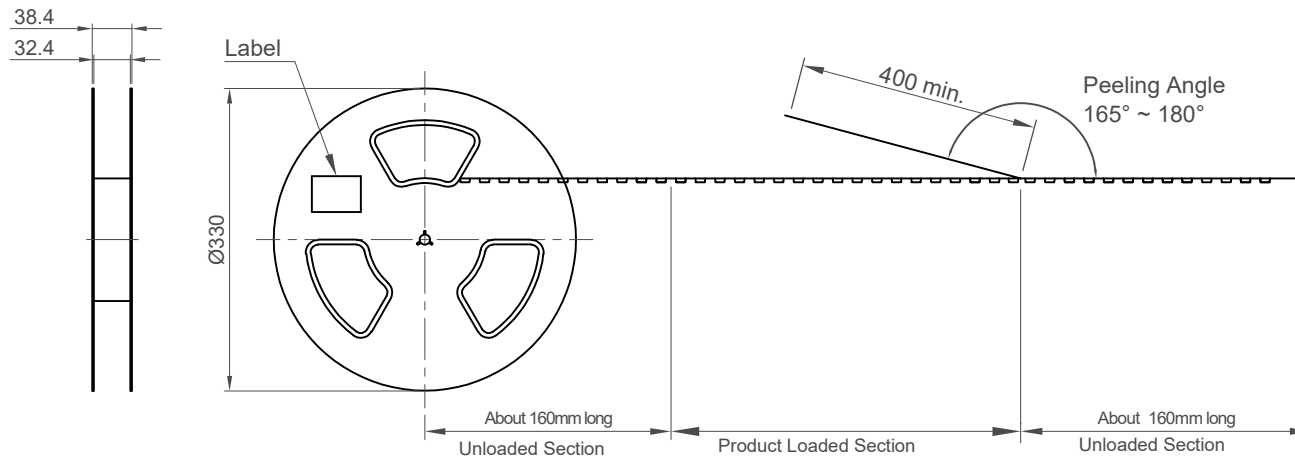
Solder Area Component Outline



Plug and Receptacle Mating View

Part Number		Product Description	
USB4920		USB 2.0 Type C Receptacle	
Drawing Date		Dip Type, PCB Top Mount	
8th December 2025			
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A	Angle	RoHS COMPLIANT 2011/65/EU
Date	08/12/25	X.X ± 0.50	± 2°
		X.XX ± 0.30	3rd Angle Projection
		X.XX ± 0.20	
		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 CC	
		Sheet No. 2/3	

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H
G
F
E
D
C
B
A

Notes:

Peeling off force of top tape: 0.1-1.3N (Peeling direction as shown)




Materials:

Carrier Tape: Polystyrene (PS)

Top Tape: Polyethylene (PE)

Reel Tape: Polystyrene (PS)

Bag: Polyethylene (PE)

Part Number		Product Description	
USB4920		USB 2.0 Type C Receptacle	
Drawing Date		Dip Type, PCB Top Mount	
8th December 2025			
By	CC	Tolerances (Except as Noted)	Units:
		Angle	Metric (mm)
Detail	Drawing Release	Length	 3rd Angle Projection
		X. ± 0.50	
		X.X ± 0.30	
		X.XX ± 0.20	
Revision	A	X.XXX ± 0.10	± 2°
Date	08/12/25		
			
		 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	

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