

Plug and Receptacle Mating View

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
Contact: Copper Alloy
Mid Plate: Stainless Steel
EMI Plate: Stainless Steel
Shell: Stainless Steel

Plating

Contact:

Contact Area: Gold
Solder Tails: Gold
Underplating: 50µ" min. Nickel

Shell: 30µ" min. Nickel

Mid Plate: 50µ" min Tin over 30µ" min. Nickel
EMI 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: -25°C to +85°C





Mating Force: 5 to 20 N.

Unmated Force: 6 to 20 N after test

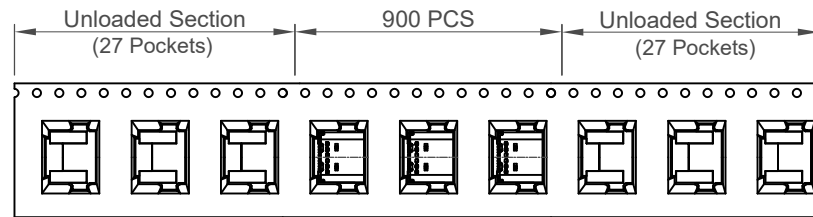
Durability: 10,000 cycles

Ordering Grid

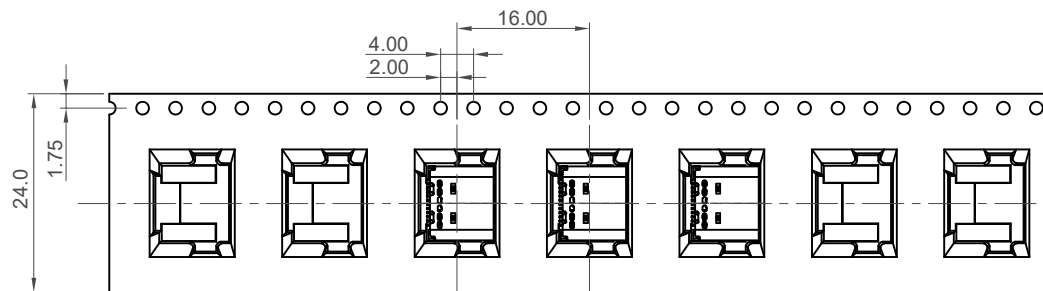
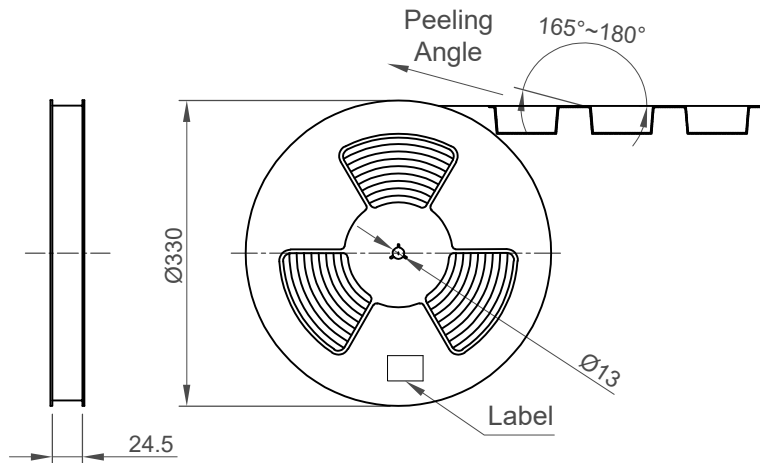
USB4910	00	A	Request Samples and Quotation
			Packing Options
			A = Tape & Reel
			(900pcs/Reel)

Part Number		Product Description				<div> www.gct.co</div>		
USB4910		USB3.2 Gen 2 Type C Receptacle, Dual Row SMT, Horizontal, PCB Top Mount						
Drawing Date								
8th December 2025								
By	CC	Tolerances (Except as Noted)		Units:	<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></div>	Not to Scale	
Detail	Drawing Release	Length	Angle	Metric (mm)				<div> 3rd Angle Projection</div>
Revision	A	X. ± 0.38						
		X.X ± 0.30	X.±2°					
Date	08/12/25	X.XX ± 0.15	X.X±1°					
		X.XXX ± 0.10					Drawn By CC	Sheet No. 1/3

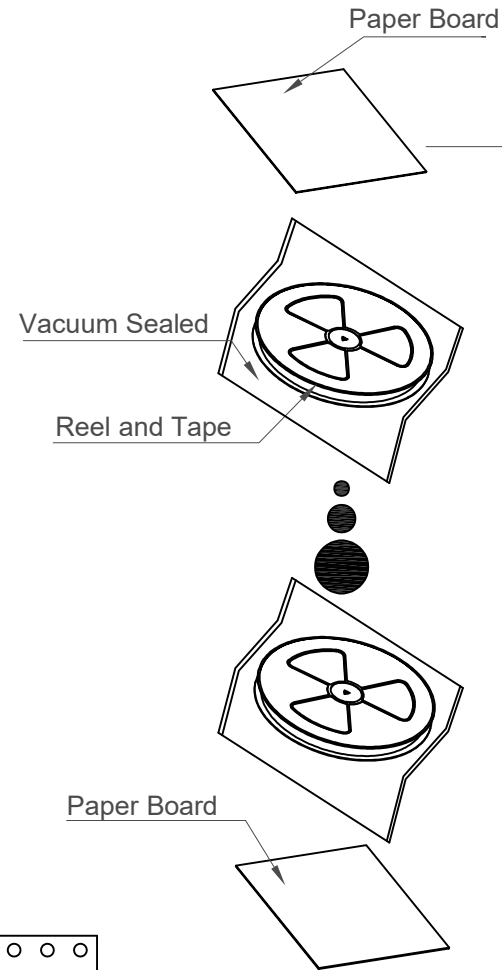
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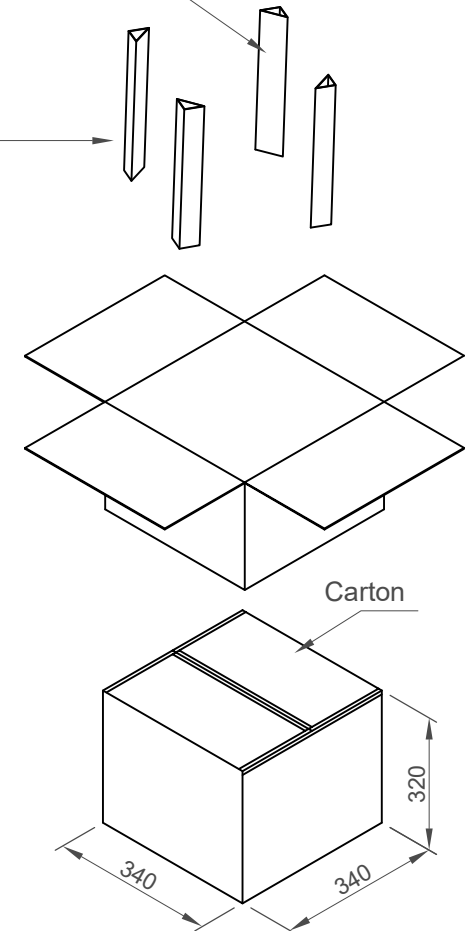
Direction of Unreeling



Direction of Unreeling



Folder Paper Board



Pcs / Reel	Reels / Carton	Total Quantity
900	10	9000 pcs

Part Number		Product Description	
USB4910		USB3.2 Gen 2 Type C Receptacle, Dual Row SMT, Horizontal, PCB Top Mount	
Drawing Date		8th December 2025	
By	CC	Tolerances (Except as Noted)	Units: Metric (mm)
Detail	Drawing Release	Length	Angle
Revision	A	-	-
Date	08/12/25	-	-



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