

Section: A-A

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: Clear
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

USB4900-00-A-XXXX

Request Samples and Quotation



Packing Options

A = Tape & Reel (1000 per reel)

Shell Stake Length "S"

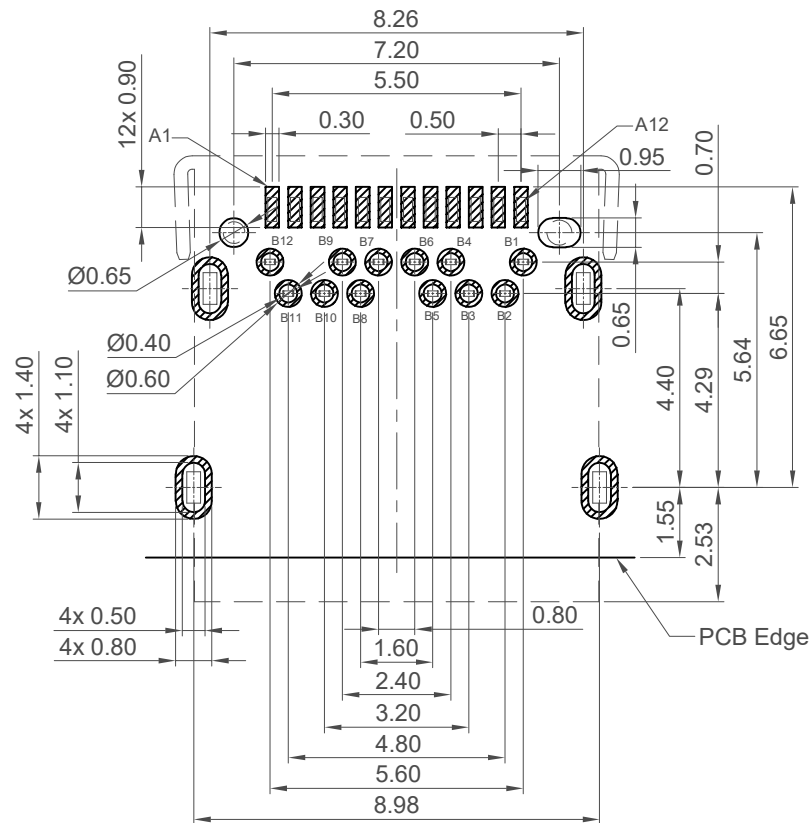
Blank = 1.15mm

0140 = 1.40mm

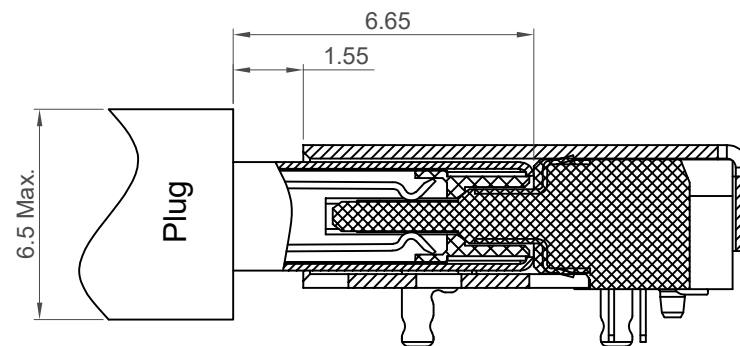
Part Number		Product Description		 www.gct.co	
USB4900		USB3.2 Gen 2 Type C Receptacle, Horizontal, Hybrid type, PCB Top Mount.			
Drawing Date					
8th December 2025					
By	CC	Tolerances (Except as Noted)	Units:	This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE	
		Length	Metric (mm)		
Detail	Drawing Release	X.X ± 0.30	 3rd Angle Projection		
Revision	A	X.XX ± 0.25			
Date	08/12/25	X.XXX ± 0.10			


GCT
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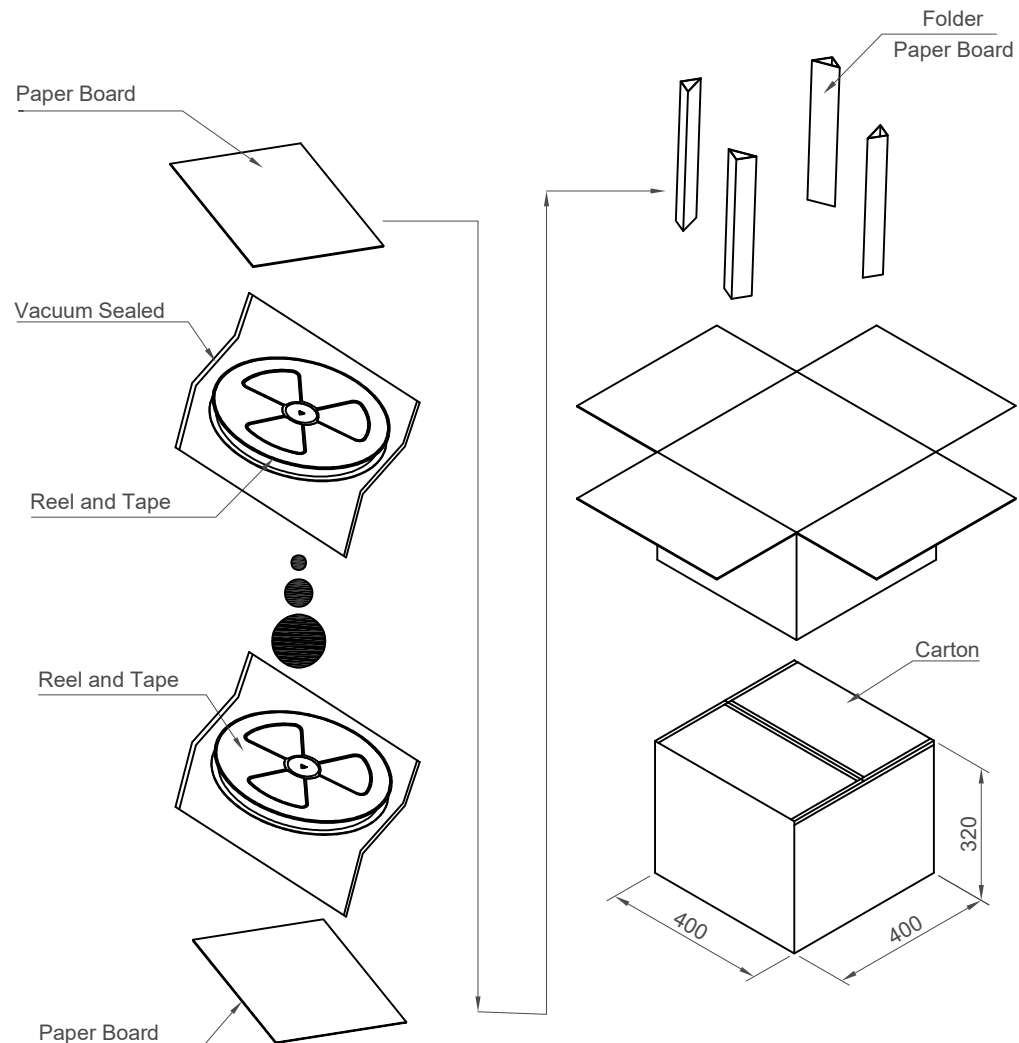
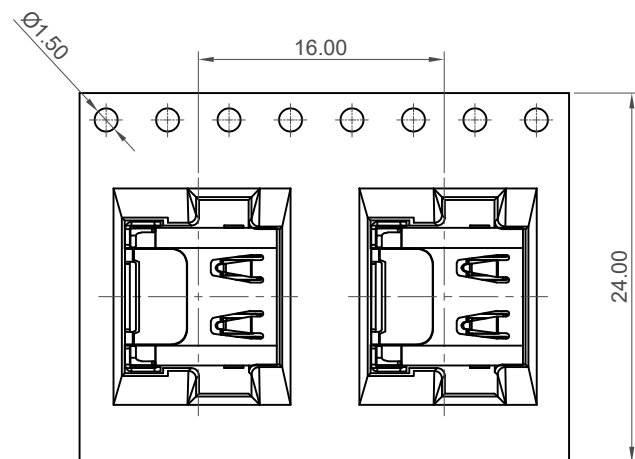
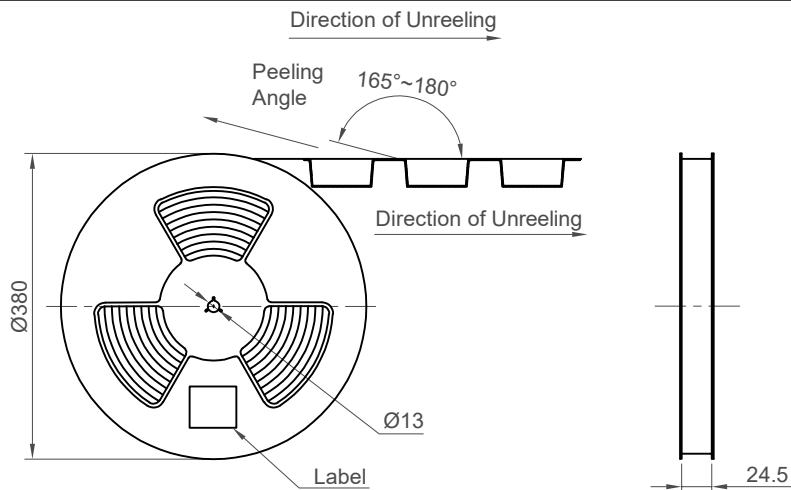
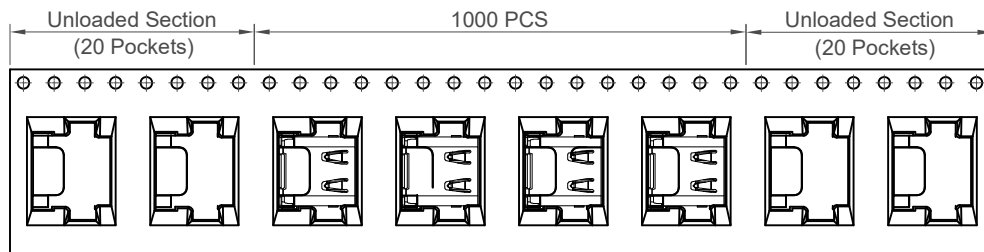
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Pin	Signal	Mating Sequence	Pin	Signal	Mating Sequence
A1	GND	First	B12	GND	First
A2	SSTXp1	Second	B11	SSRXp1	Second
A3	SSTXn1	Second	B10	SSRXn1	Second
A4	VBUS	First	B9	VBUS	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	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



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Detail	Drawing Release	Length	Angle	Metric (mm)	
Revision	A	X.X ± 0.30	-	 3rd Angle Projection	
Date	08/12/25	X.XX ± 0.25 X.XXX ± 0.10			
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Pcs / Reel	Reels / Carton	Total Quantity
1000	10	10,000 pcs

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Detail	Drawing Release	Length: X.X ± 0.30	Metric (mm)
Revision	A	Angle: X.XX ± 0.25	
Date	08/12/25	X.XXX ± 0.10	



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