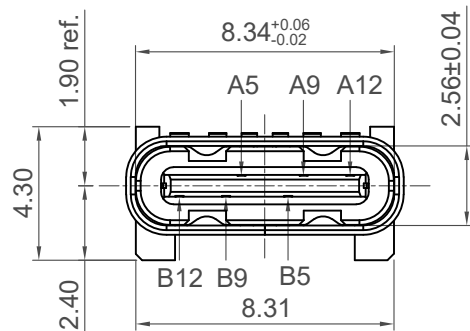
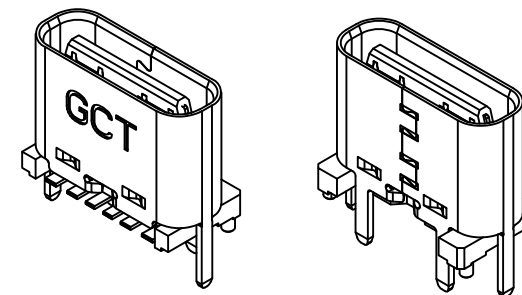


Section:A-A



Specifications

Material

Insulator: PA9T, UL 94V-0, Black
Contact: Copper Alloy
Shell: Stainless Steel
Middle Plate: Stainless Steel

Plating

Contact

Contact Area: Gold Flash Over 50µ" min. Nickel
Solder Tails: Gold Flash Over 50µ" min. Nickel
Shell: 30µ" min. Nickel
Middle Plate: Clear

Electrical

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

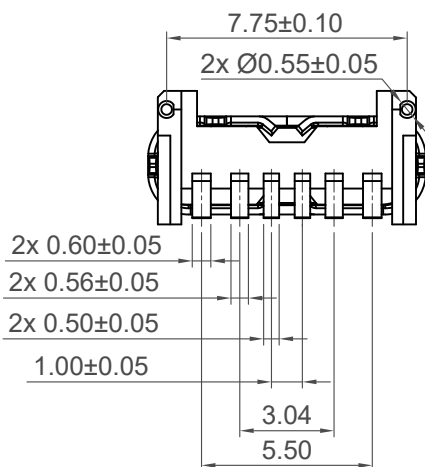
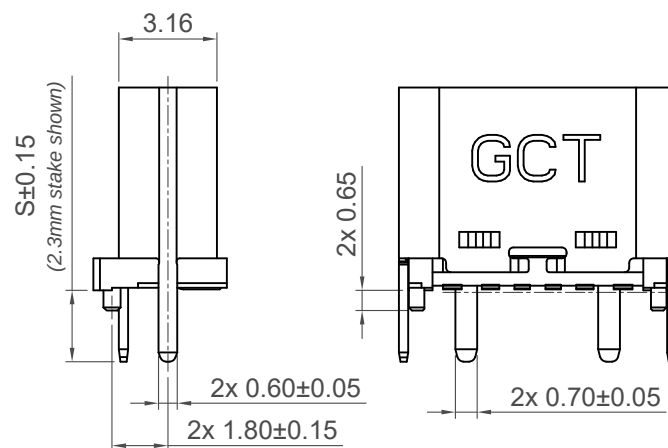
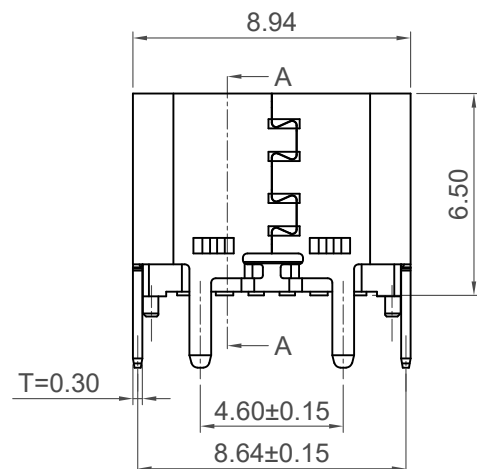
Voltage Rating: 20V DC

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: 20K cycles



Ordering Grid

USB4140 - GF - XXXX - C [Request Samples and Quotation](#)

Contact Plating
GF = Gold Flash

Packing Options

C = Tape & Reel with Cap
(400 per reel)

Shell Stake Length "S"

0070 = 0.70mm
0170 = 1.70mm
0230 = 2.30mm

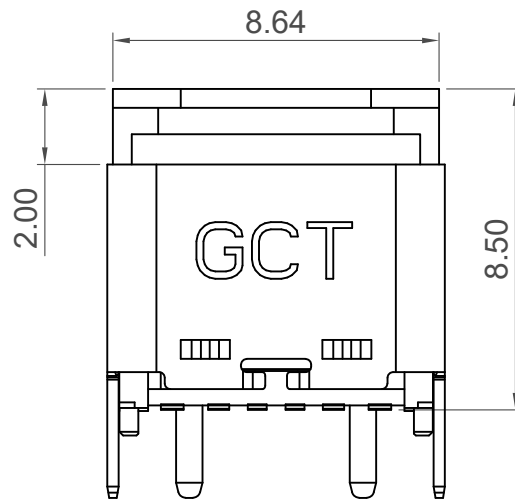
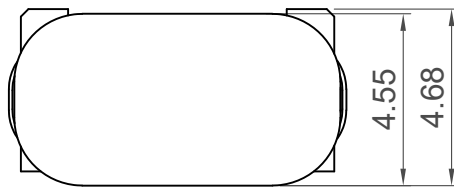
Part Number		Product Description	
USB4140		USB Type C Receptacle, Vertical, SMT,	
Drawing Date		For Power charging only, H=6.50mm, 6 Pin	
25th February 2022			
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A1	Angle	
Date	27/06/22	X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10	



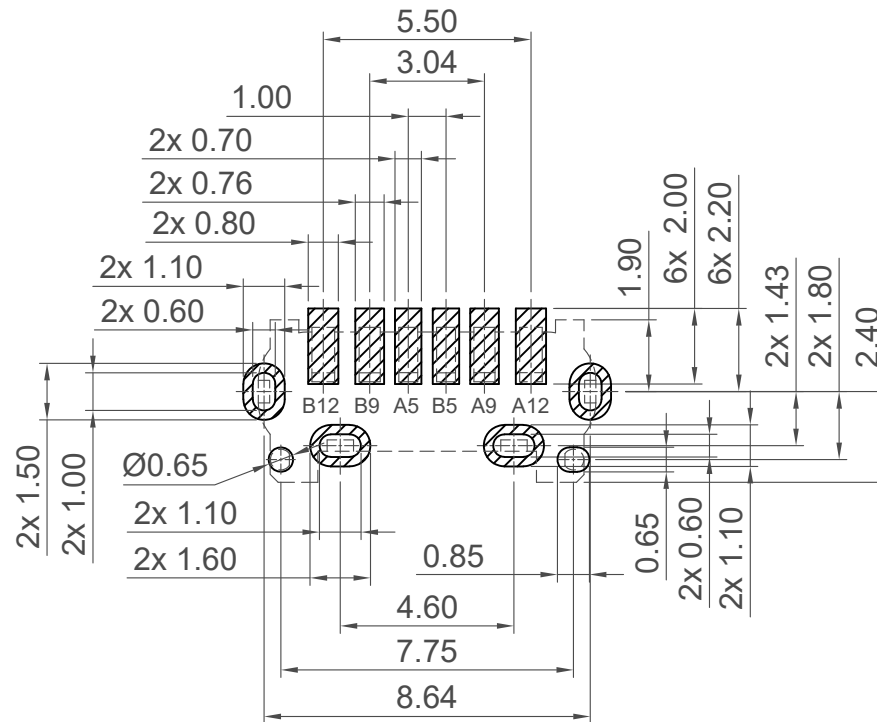
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Cap Information



Recommended PCB Layout

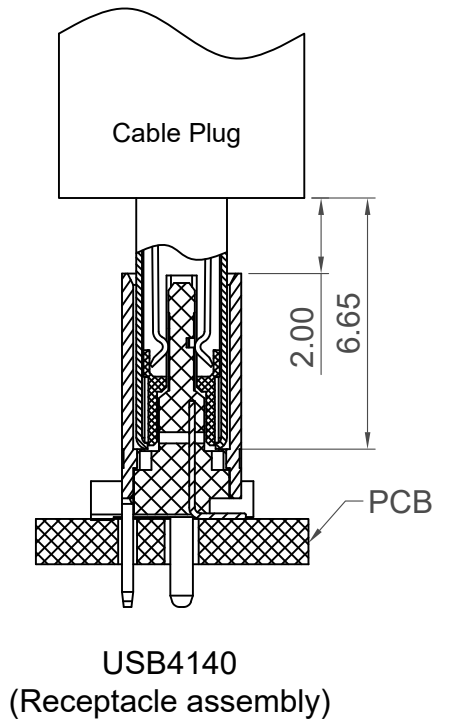
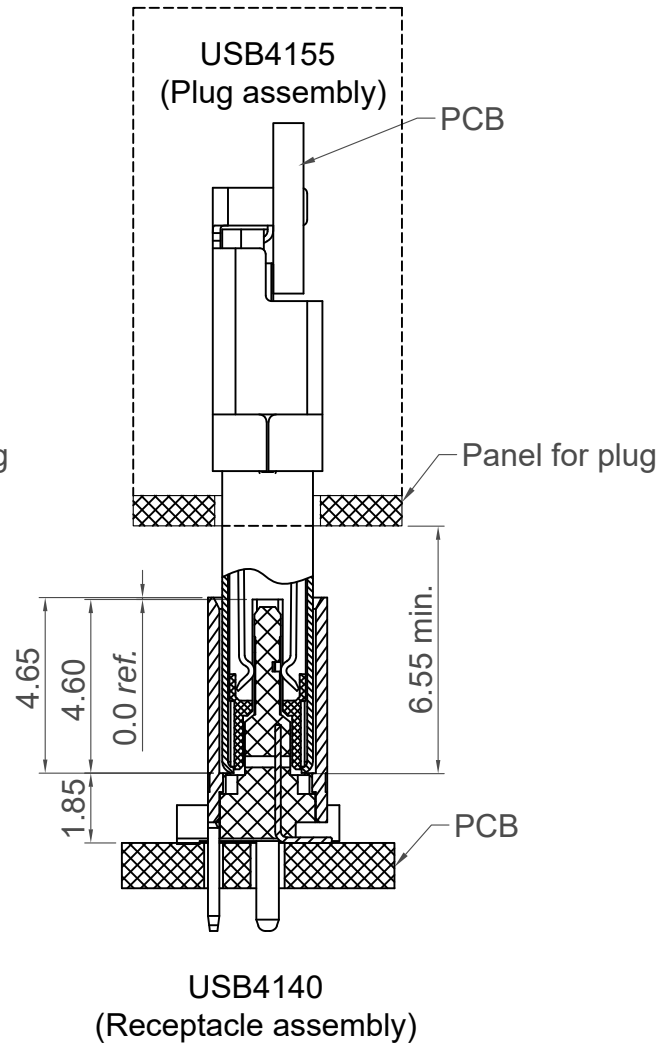
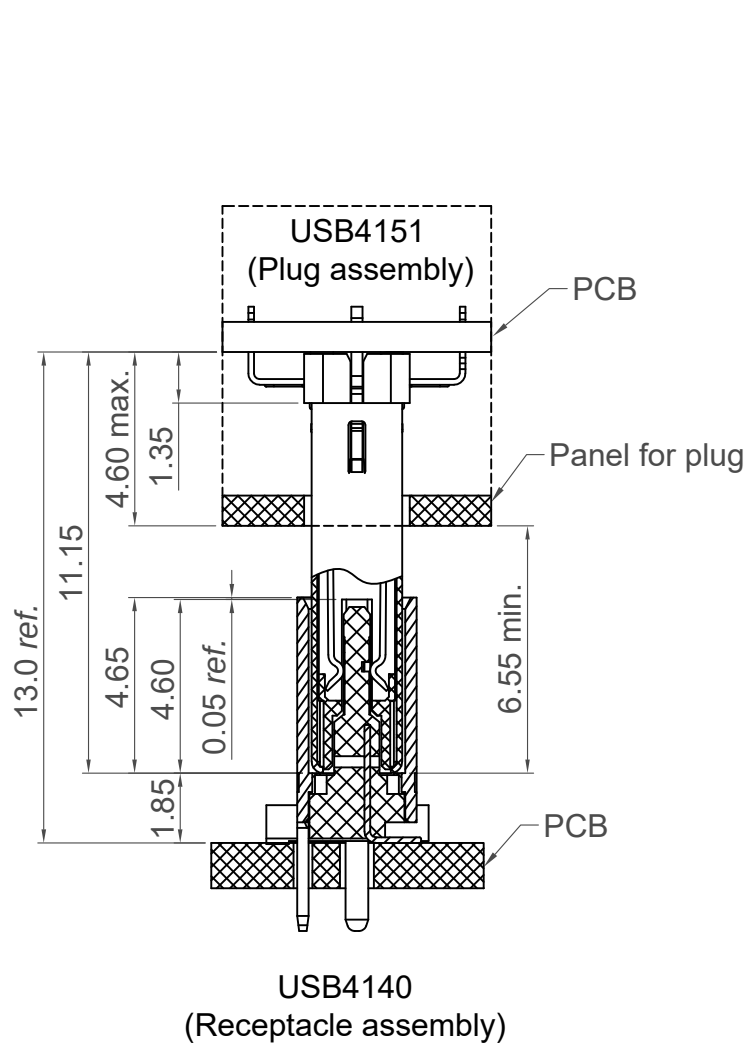
Tolerance: $\pm 0.05\text{mm}$

■ Solder Area □ Component Outline

Pin	Signal	Mating Sequence
A5	CC1	Second
A9	VBUS	First
A12	GND	First
B5	CC2	Second
B9	VBUS	First
B12	GND	First
SHELL		GND

Part Number USB4140		Product Description USB Type C Receptacle, Vertical, SMT, For Power charging only, H=6.50mm, 6 Pin	
Drawing Date 25th February 2022			
By CC	Drawing Release	Tolerances (Except as Noted) Length Angle	Units: Metric (mm)
Detail	Revision A1	X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10	-
Revision Date	27/06/22		
		3rd Angle Projection	
		RoHS COMPLIANT 2011/65/EU	
		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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			Sheet No. 2/4

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Plug and Receptacle Mating View

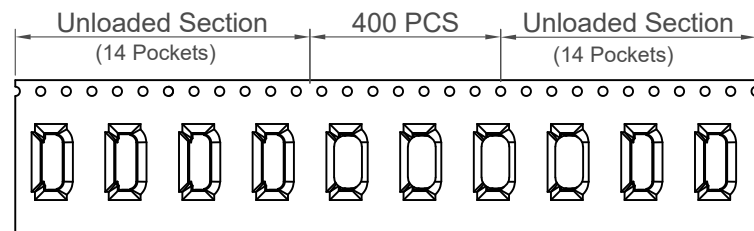
Part Number		Product Description			
USB4140		USB Type C Receptacle, Vertical, SMT,			
Drawing Date		For Power charging only, H=6.50mm, 6 Pin			
25th February 2022					
By	CC	Tolerances (Except as Noted)		Units:	This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE
Detail	Drawing Release	Length	Angle	Metric (mm)	
Revision	A1	X.X ± 0.30			
Date	27/06/22	X.XX ± 0.20			
		X.XXX ± 0.10			



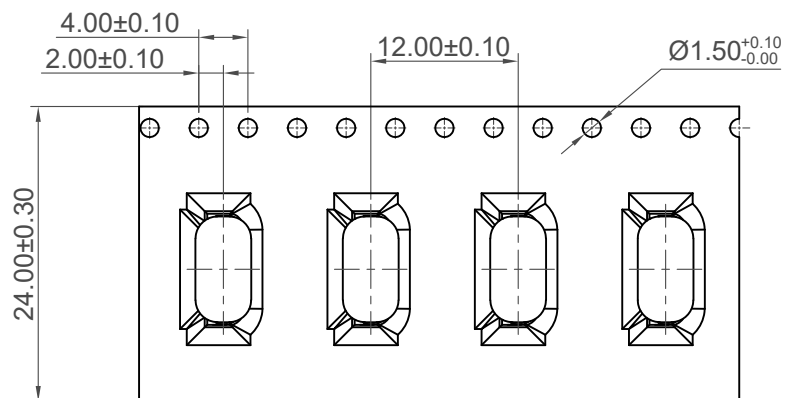
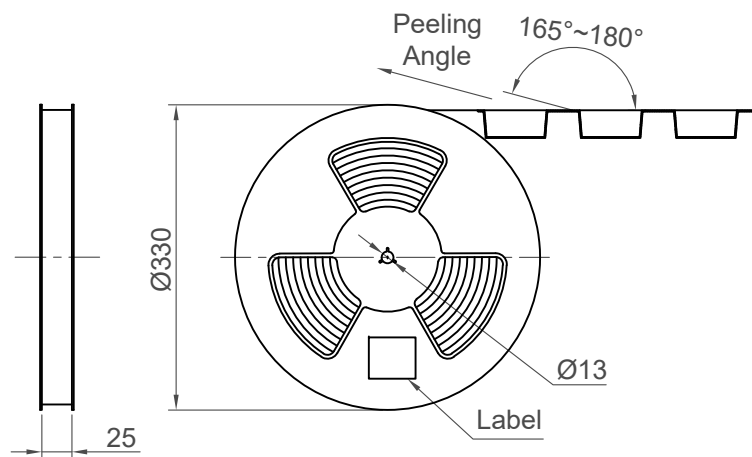
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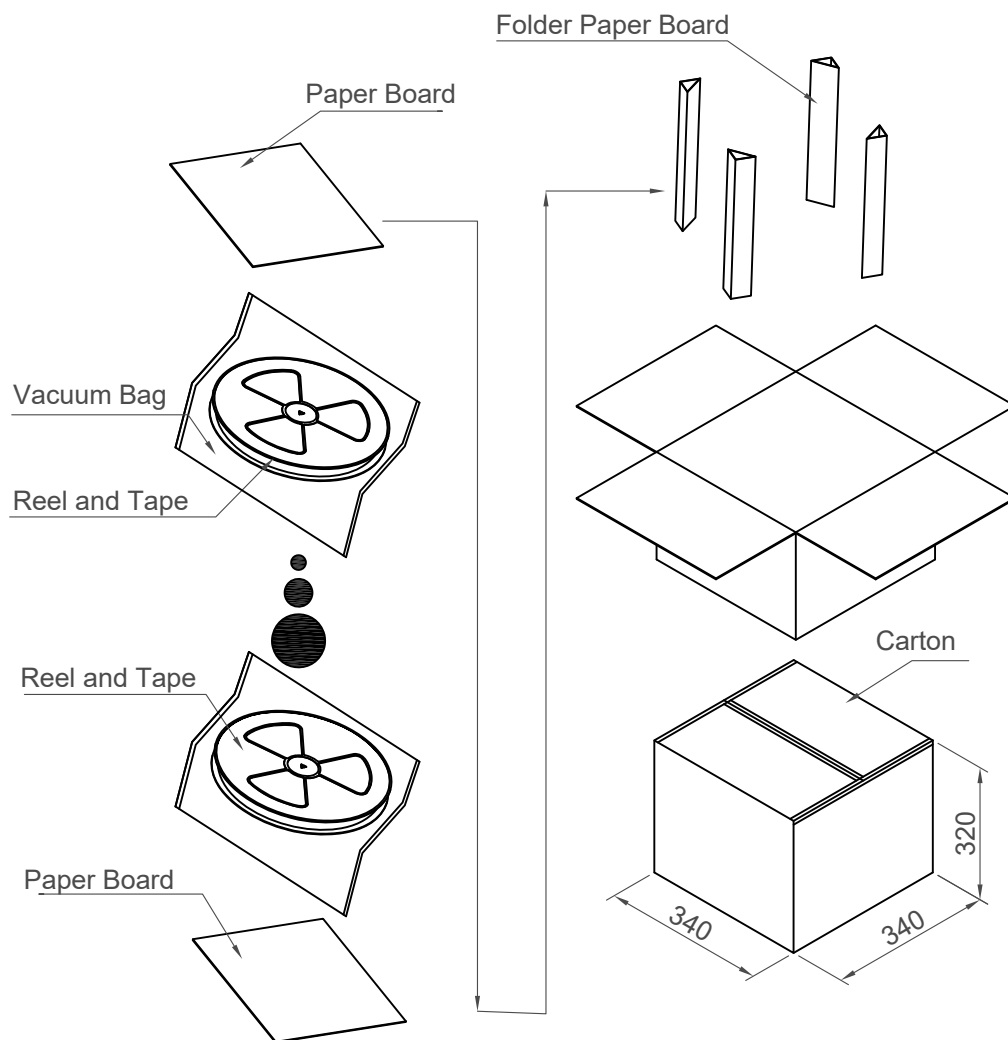
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Direction of Unreeling



Direction of Unreeling



Pcs / Reel	Reels / Carton	Total Quantity
400	10	4,000 pcs

Part Number		Product Description	
USB4140		USB Type C Receptacle, Vertical, SMT,	
Drawing Date		For Power charging only, H=6.50mm, 6 Pin	
25th February 2022			
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A1	Angle	
Date	27/06/22		



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