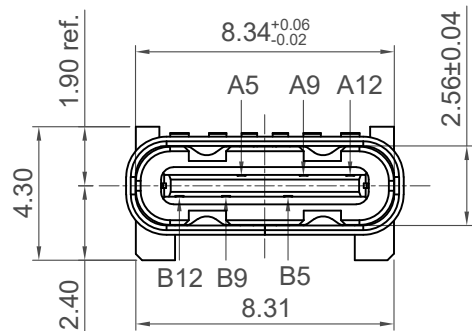
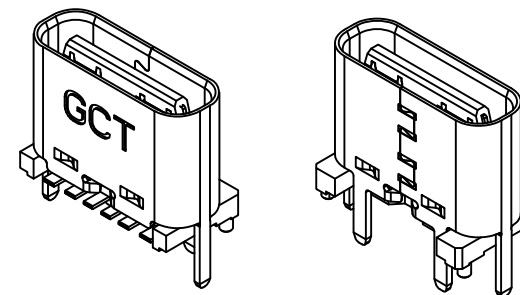


Section:A-A



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

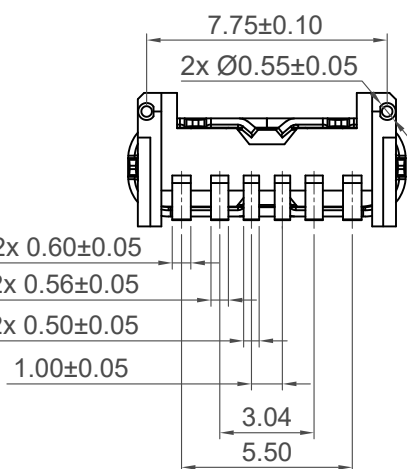
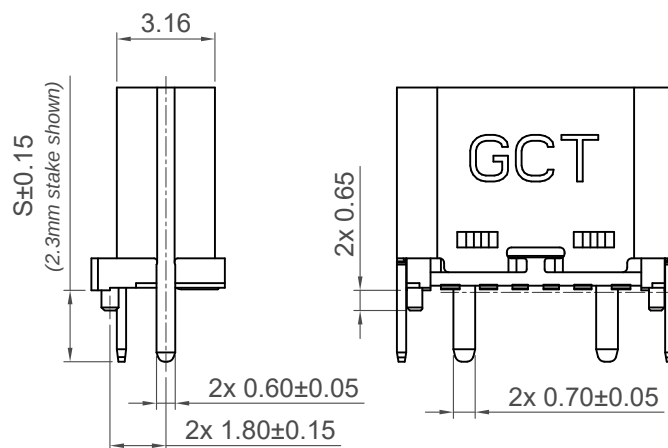
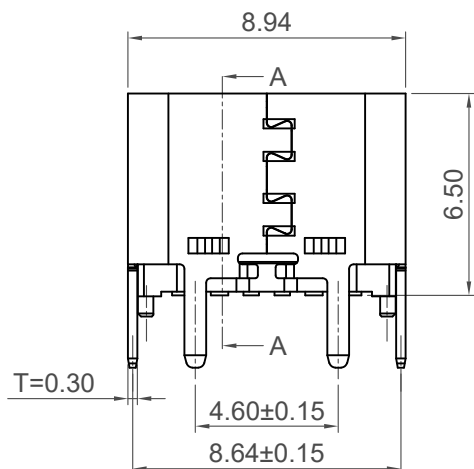
Voltage Rating: 20V DC

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

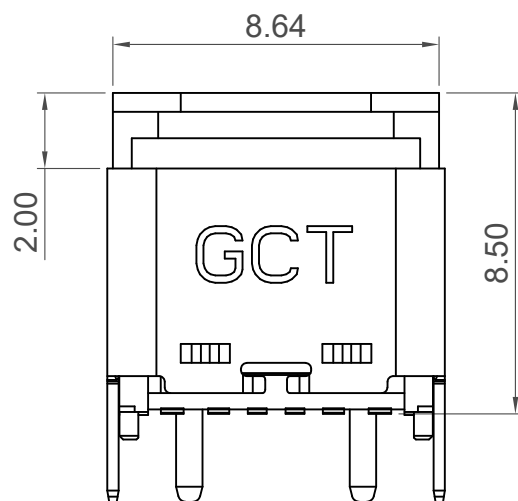
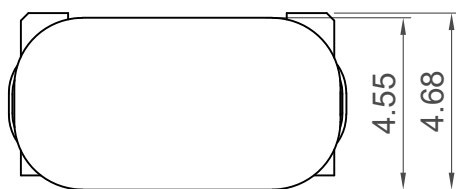
Part Number		Product Description	
USB4140		USB Type C Receptacle, Vertical, SMT,	
Drawing Date		For Power charging only, H=6.50mm, 6 Pin	
25th February 2022			
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A1	Angle	
Date	27/06/22	X.X ± 0.30	
		X.XX ± 0.20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



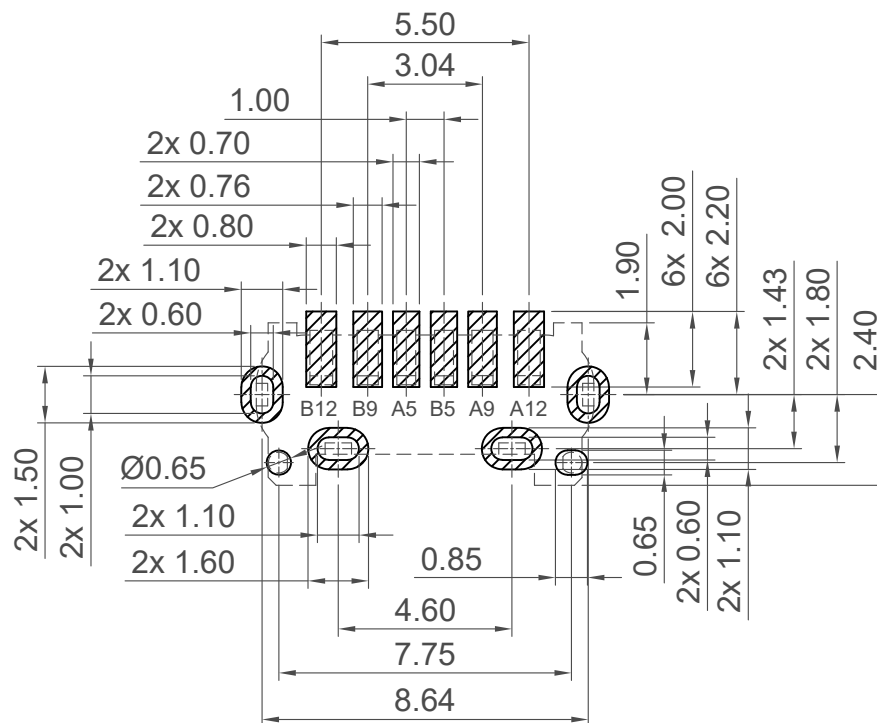
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Sheet No. 1/4



Cap Information



Recommended PCB Layout

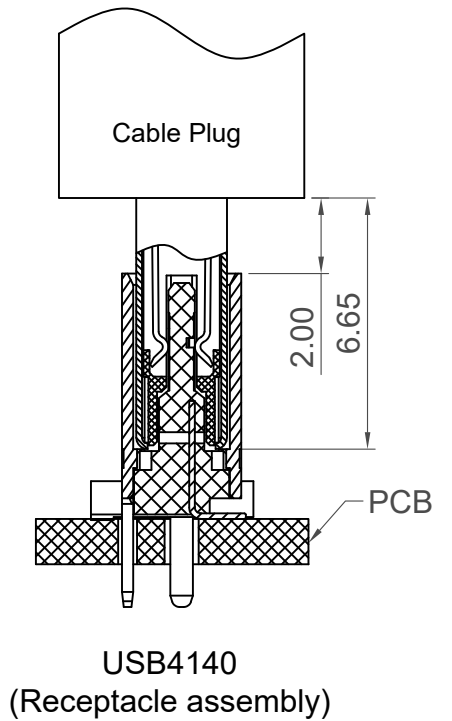
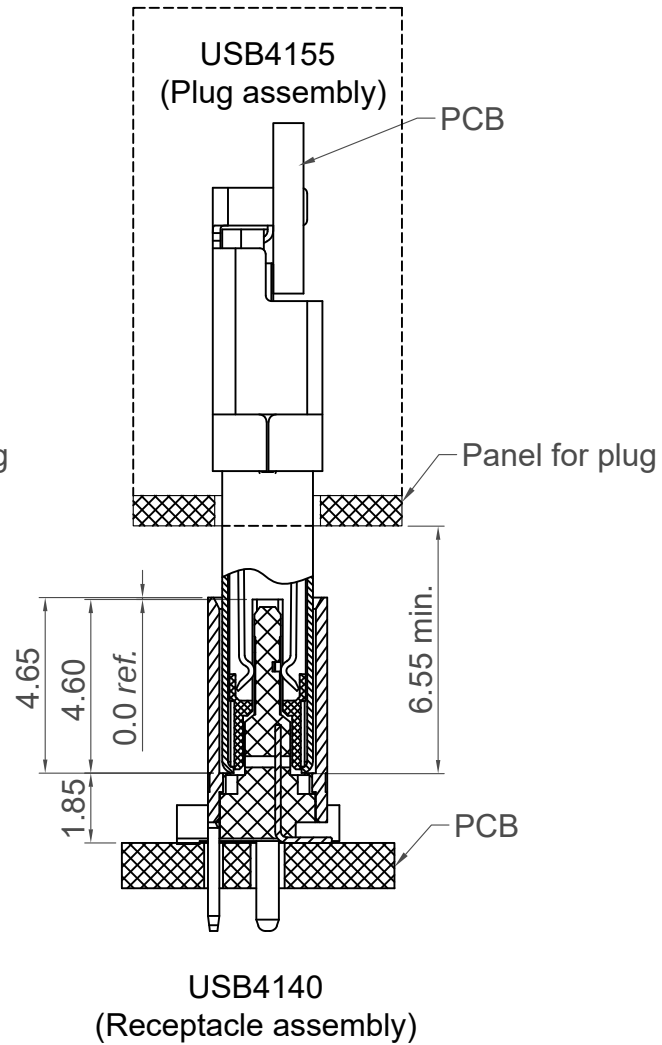
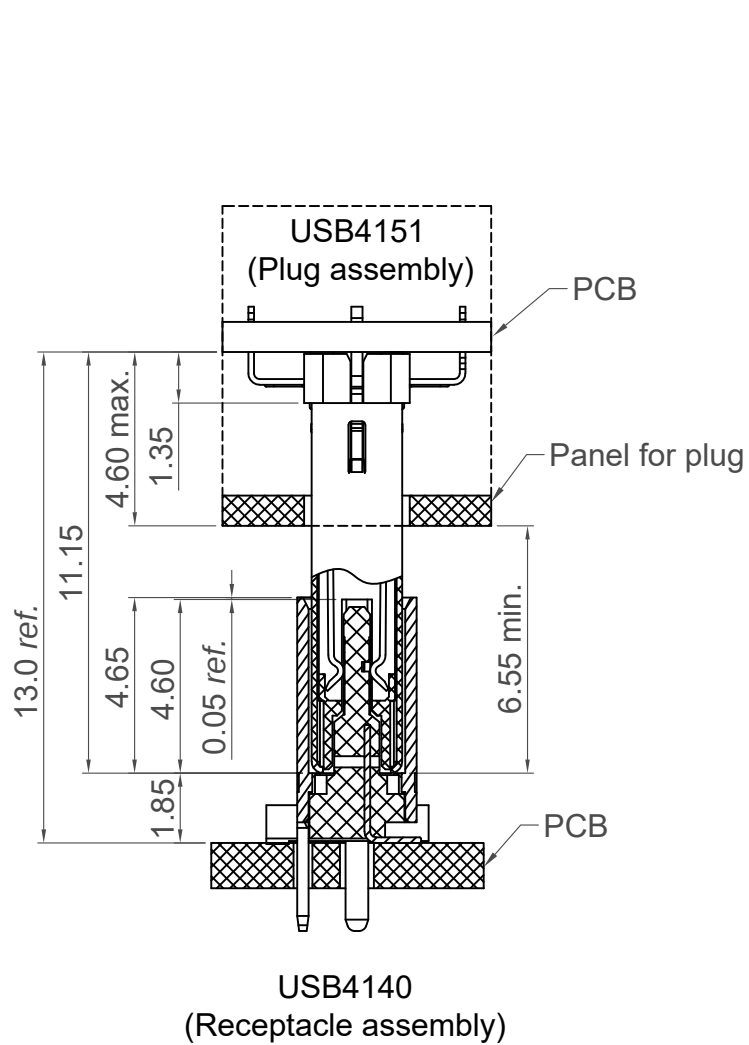
Tolerance: $\pm 0.05\text{mm}$

■ 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

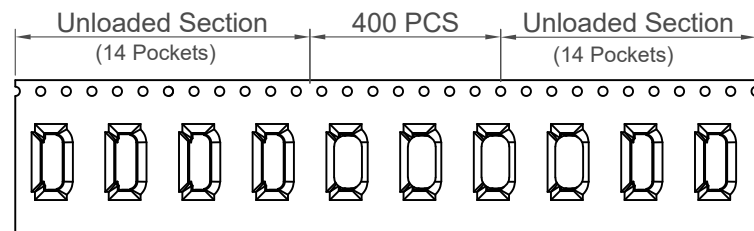
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USB4140		USB Type C Receptacle, Vertical, SMT,				
Drawing Date		For Power charging only, H=6.50mm, 6 Pin				
25th February 2022						
By	CC	Tolerances (Except as Noted)	Units:			This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE
Detail	Drawing Release	Length	Metric (mm)			
Revision	A1	X.X $\pm$ 0.30				
Date	27/06/22	X.XX $\pm$ 0.20				
		X.XXX $\pm$ 0.10				
				Not to Scale		
				Drawn By CC		
				Sheet No. 2/4		

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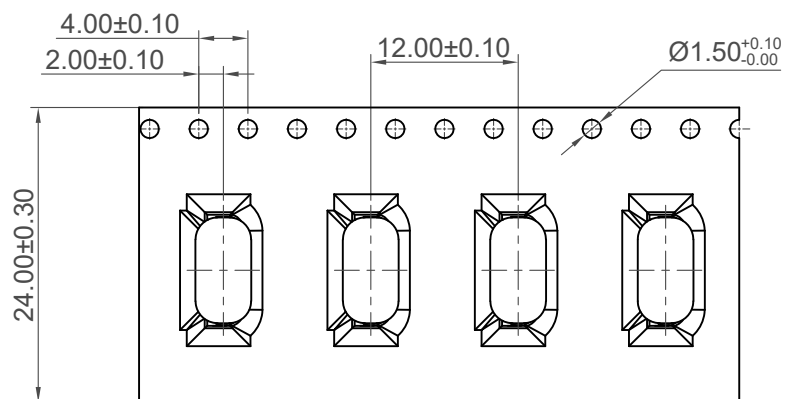
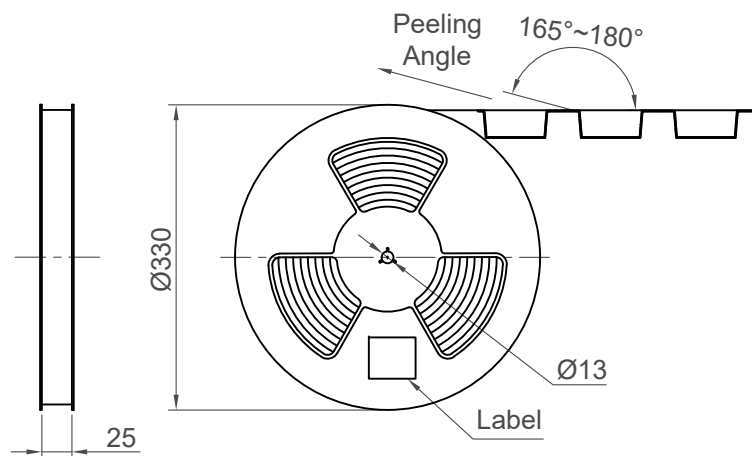


Plug and Receptacle Mating View

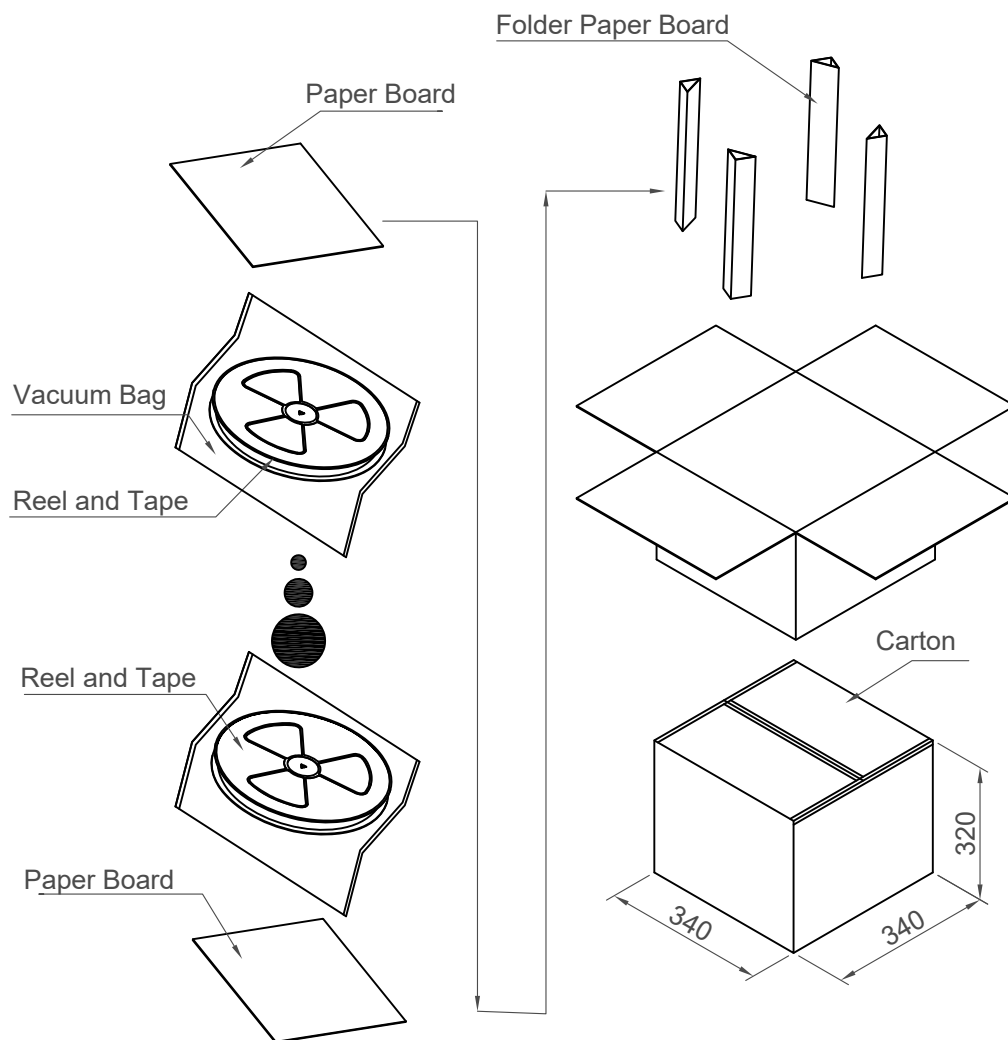
Part Number		Product Description	
USB4140		USB Type C Receptacle, Vertical, SMT,	
Drawing Date		For Power charging only, H=6.50mm, 6 Pin	
25th February 2022			
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A1	X.X ± 0.30	
Date	27/06/22	X.XX ± 0.20	
		X.XXX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



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, For Power charging only, H=6.50mm, 6 Pin					
Drawing Date							
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	-	-	 Third Angle Projection			
Date	27/06/22						



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