

Specifications

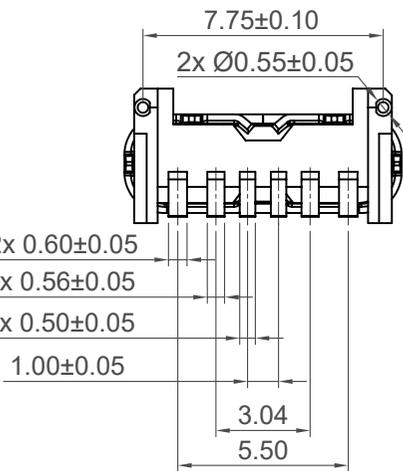
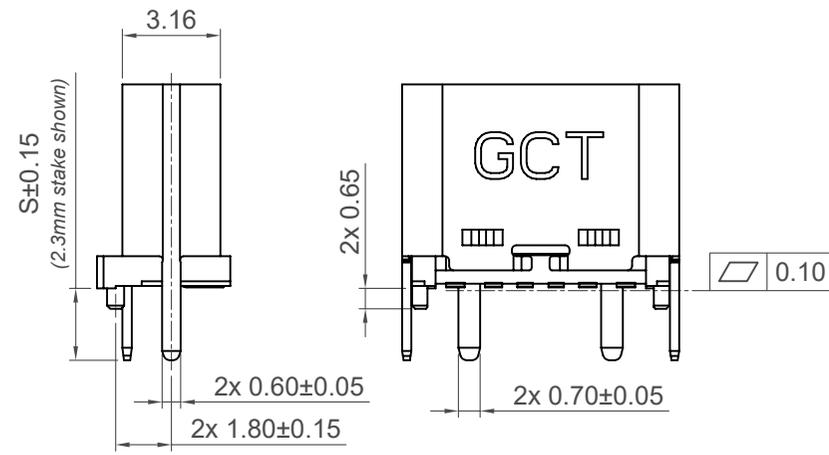
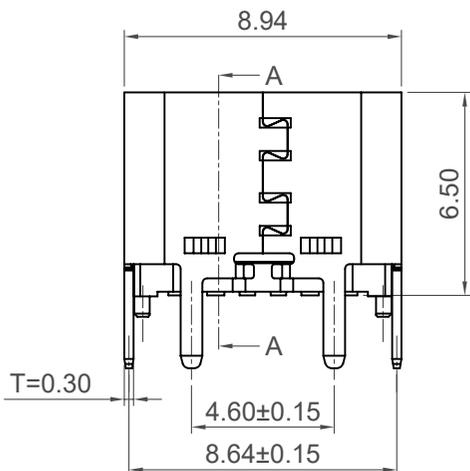
Material
 Insulator: PA9T, UL 94V-0, Black
 Contact: Copper Alloy
 Shell: Stainless Steel
 Middle Plate: Stainless Steel

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: 48V 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

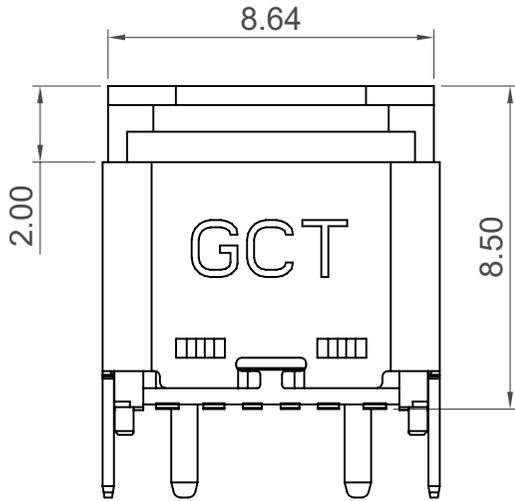
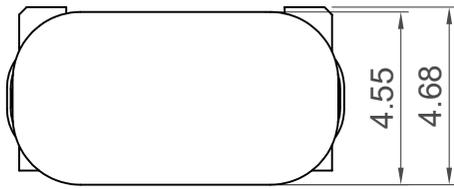
Part Number		Product Description	
USB4140		USB Type C Receptacle, Vertical, SMT, For Power charging only, H=6.50mm, 6 Pin	
Drawing Date		25th February 2022	
By	KY	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10	Metric (mm)
Revision	A3	Angle	3rd Angle Projection
Date	29/08/24		



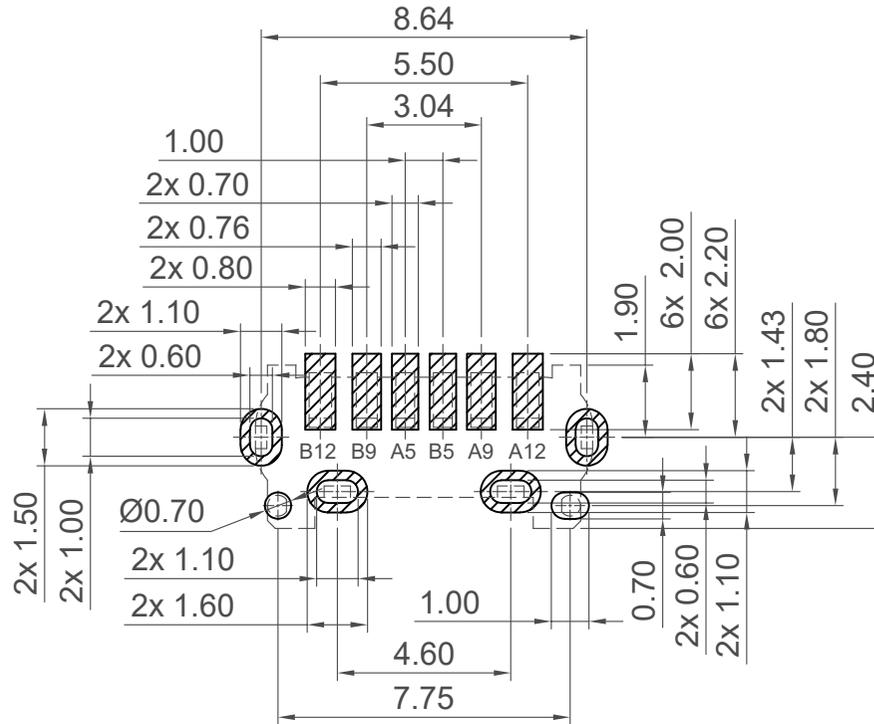
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Cap Information



Recommended PCB Layout

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

▨ Solder Area □ Component Outline

Pin	Signal	Mating Sequence
A5	CC1	Second
A9	V _{bus}	First
A12	GND	First
B5	CC2	Second
B9	V _{bus}	First
B12	GND	First
SHELL		GND

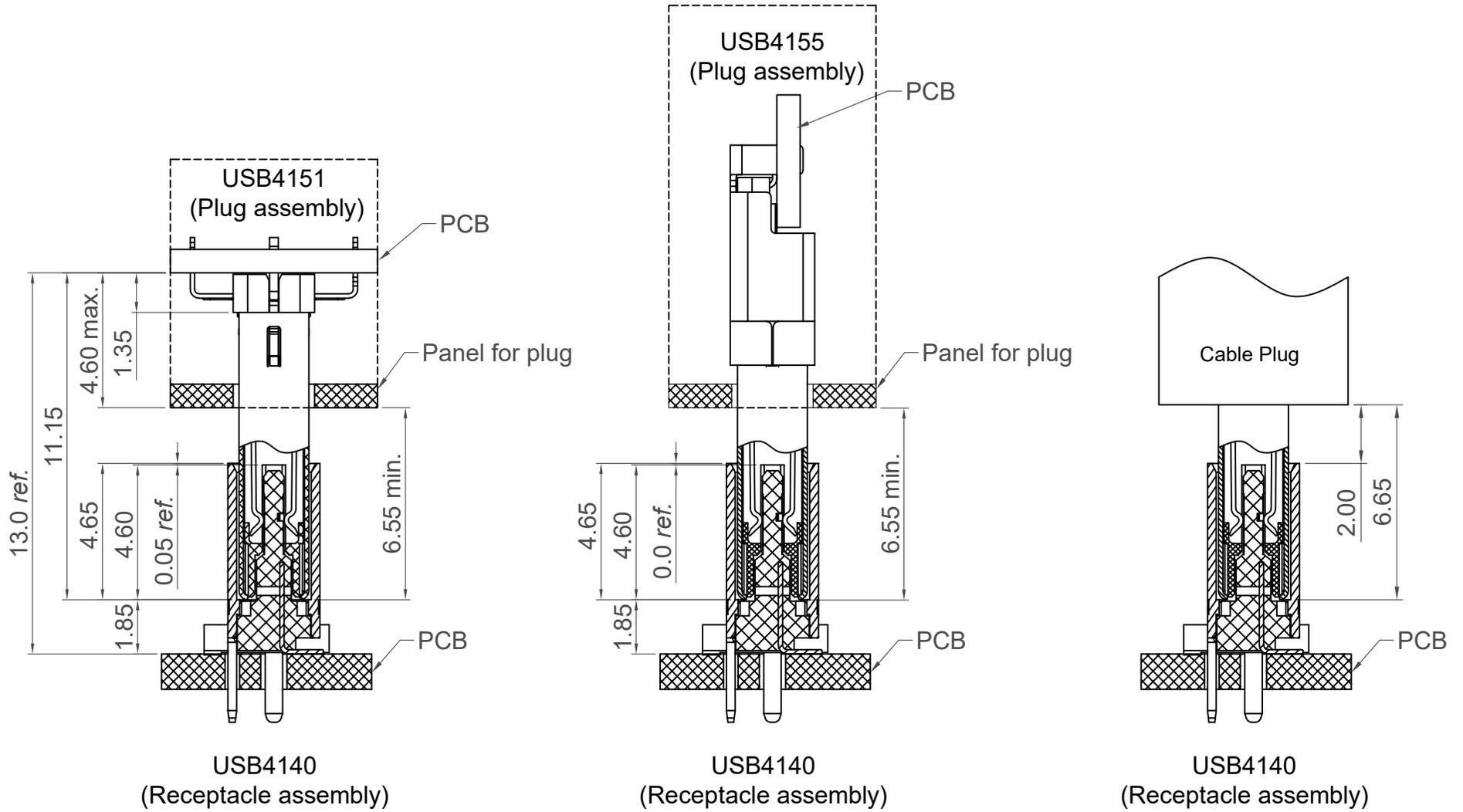
Part Number		Product Description	
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Drawing Date		25th February 2022	
By	KY	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A3	X.X \pm 0.30	 3rd Angle Projection
Date	29/08/24	X.XX \pm 0.20	
		X.XXX \pm 0.10	



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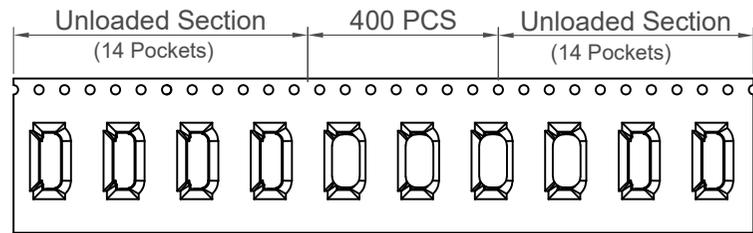
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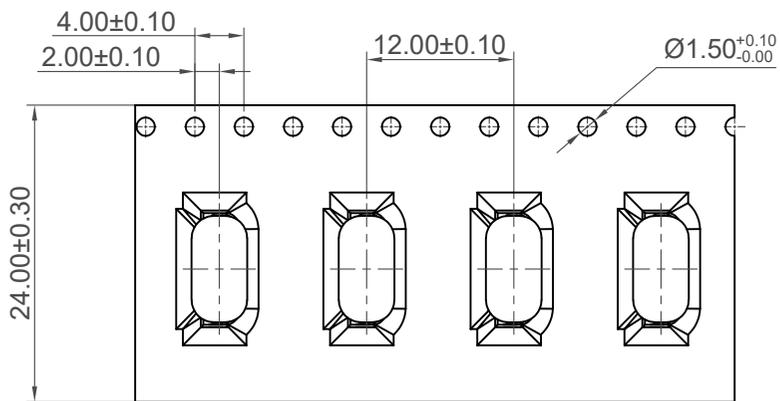
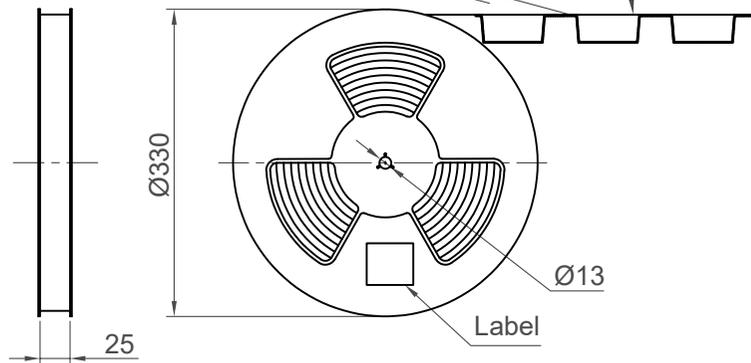
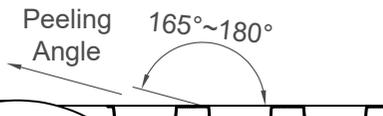
Plug and Receptacle Mating View

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By	KY	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length X.X ± 0.30	Metric (mm)
Revision	A3	Angle X.XX ± 0.20	
Date	29/08/24	X.XXX ± 0.10	
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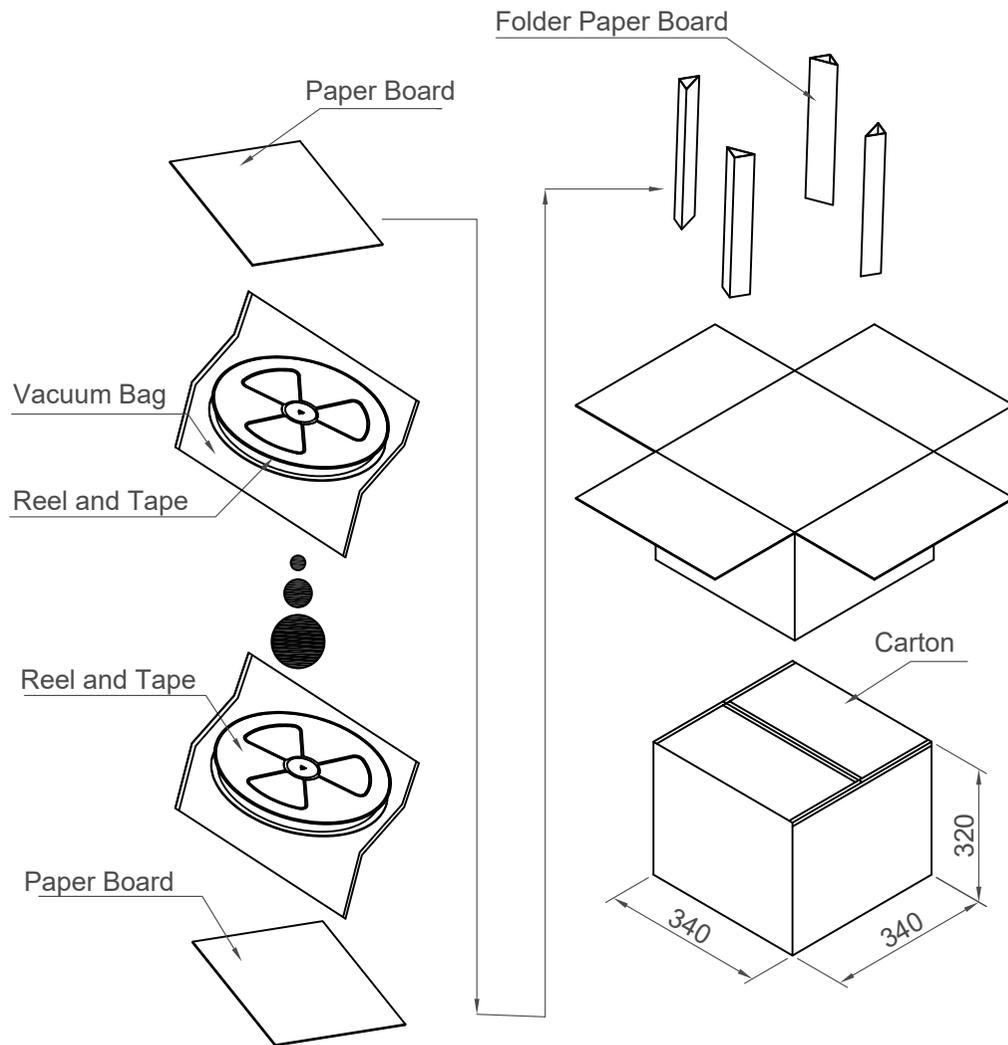




Direction of Unreeling



Direction of Unreeling



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

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