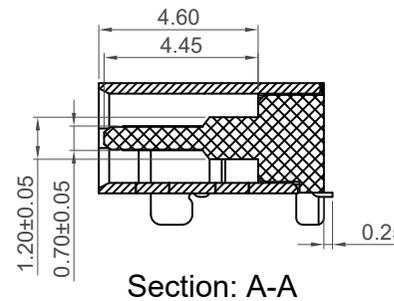
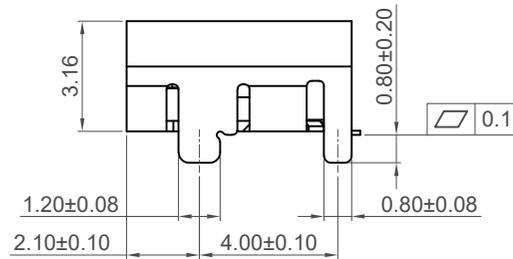
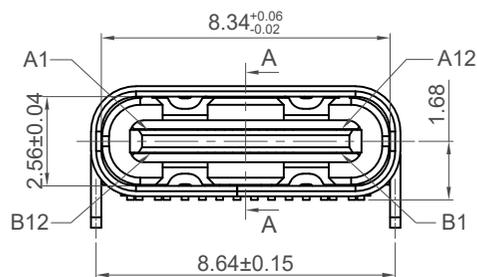


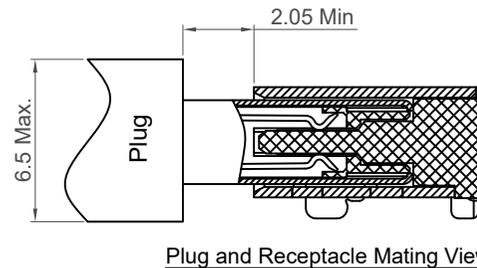
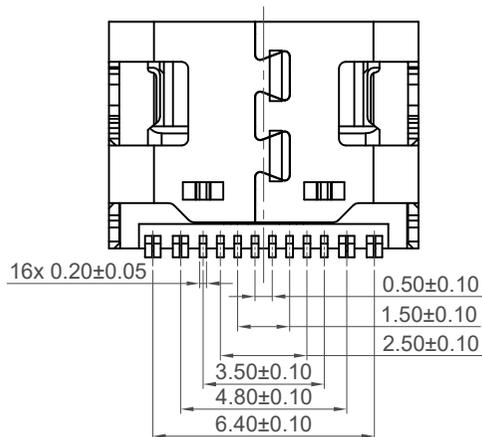
**Recommended PCB Layout**

As viewed from component side Tolerance: ±0.05mm

▨ Solder Area □ Component Outline

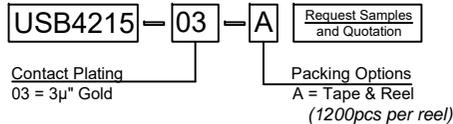


**Section: A-A**



**Plug and Receptacle Mating View**

**Ordering Grid**



Part Number		Product Description	
USB4215		USB Type C Receptacle for USB 2.0, SMT Type, PCB Top Mount, Horizontal, 16Pin	
Drawing Date		26th April 2024	
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A	Angle	
Date	26/04/24	X.X ± 0.30	
		X.XX ± 0.25	
		X.XXX ± 0.10	

Pin	Signal	Mating Sequence	Pin	Signal	Mating Sequence
A1	GND	First	B12	GND	First
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
A12	GND	First	B1	GND	First
SHELL		GND	SHELL		GND

**Specifications**

**Material**

Insulator: PA9T, UL 94V-0, Black  
Terminal: Copper Alloy  
Shell: Stainless steel  
Mid Plate: Stainless Steel

**Plating**

Terminal:  
Contact Area: 3µ" Gold  
Solder Tails: Gold Flash  
Underplating: 50µ" min. Nickel All Over  
Shell: 30µ" min. Nickel  
Mid 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.

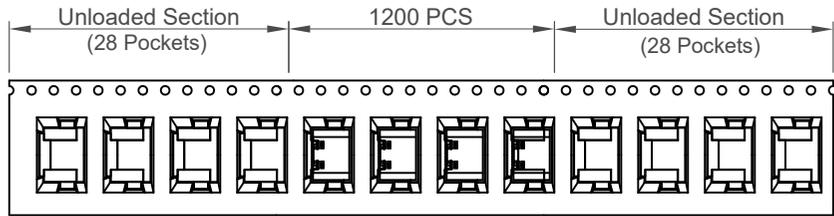
**Mechanical & Environmental**

Operating Temperature: -25°C to +85°C  
Mating Force: 5 to 20 N.  
Unmated Force: 6 to 20 N after test  
Durability: 20,000 cycles

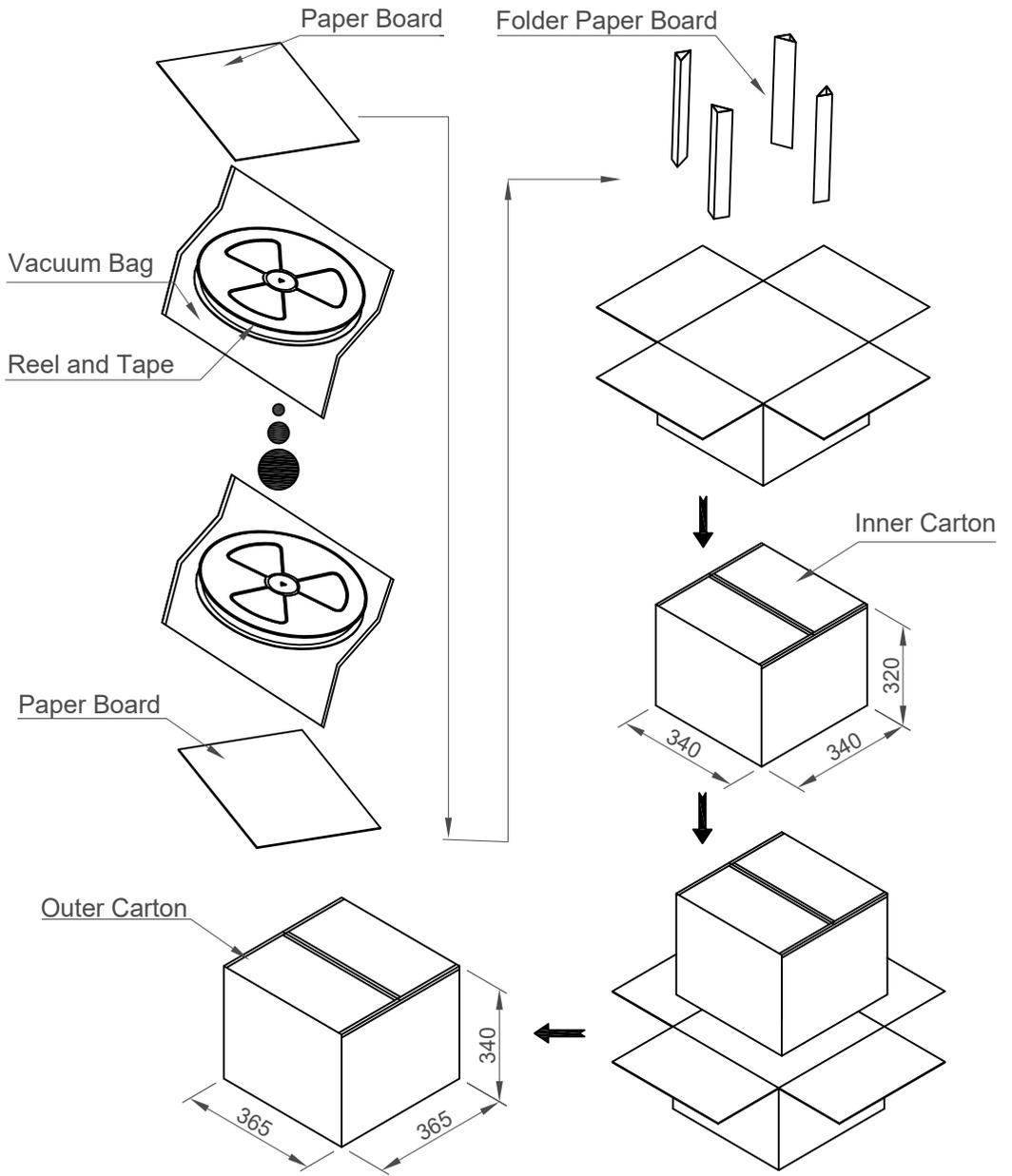
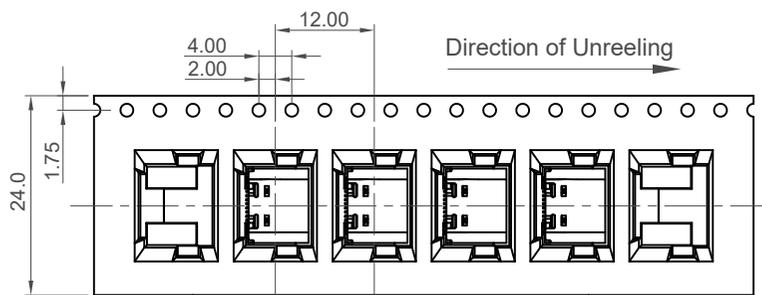
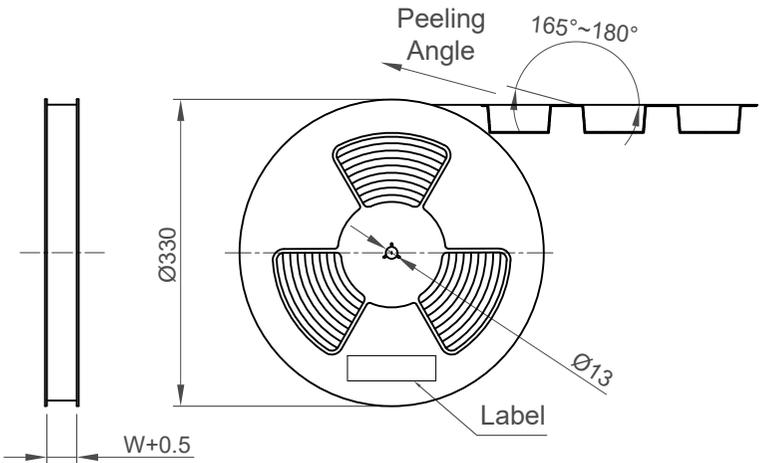


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Not to Scale	Drawn By CC	Sheet No. 1/2
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Direction of Unreeling



Pcs / Reel	Reels / Carton	Total Quantity
1200	10	12000 pcs

Part Number		Product Description	
USB4215		USB Type C Receptacle for USB 2.0, SMT Type, PCB Top Mount, Horizontal, 16Pin	
Drawing Date		26th April 2024	
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A	Angle	
Date	26/04/24		



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Authorized Distributor

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