

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.

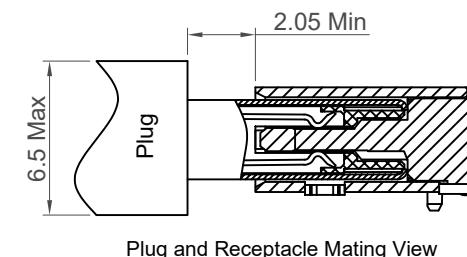
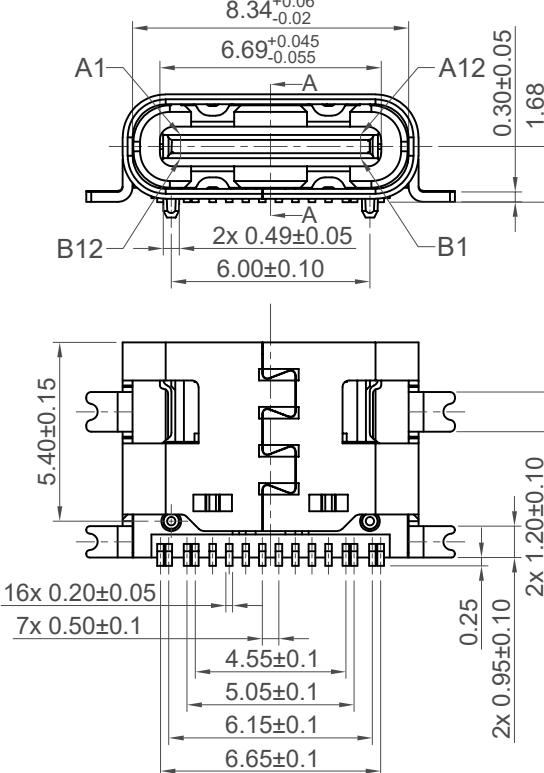
##### Mechanical & Environmental

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



Plug and Receptacle Mating View

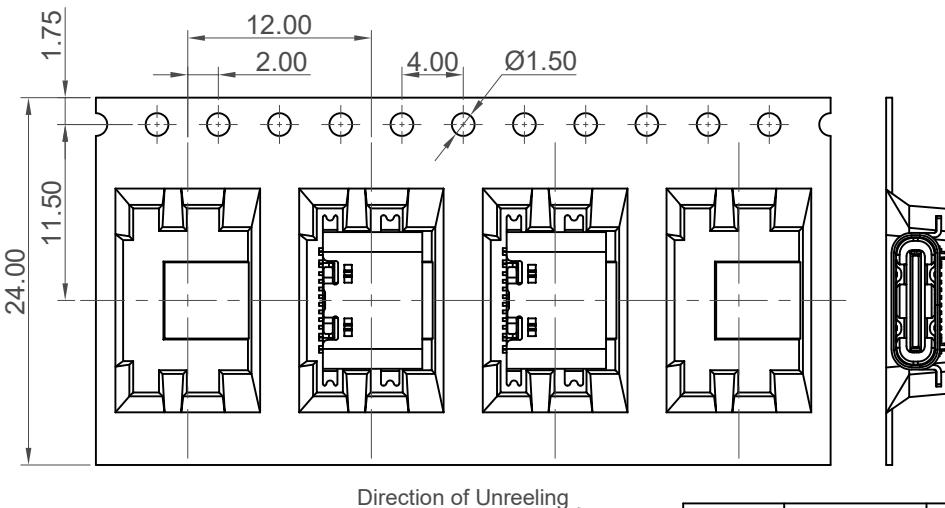
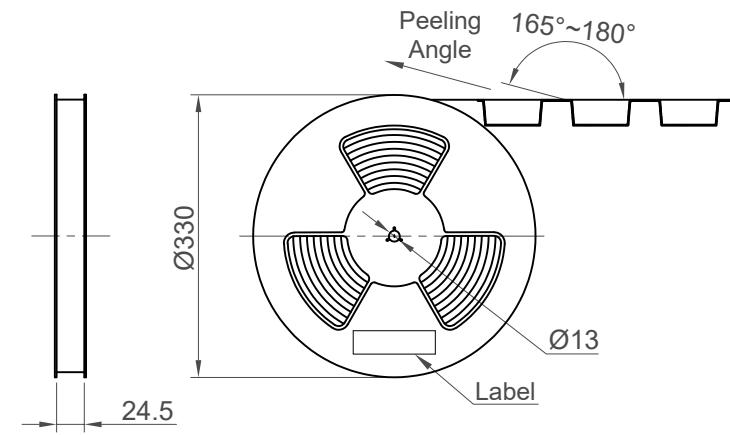
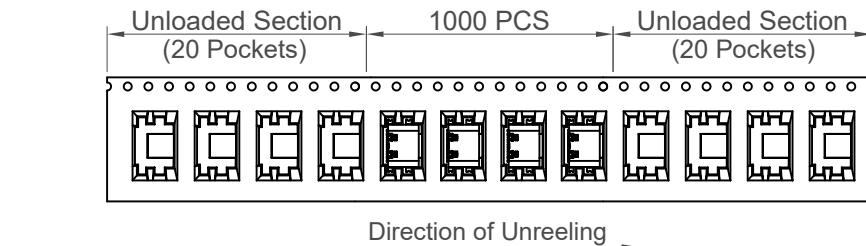
Part Number	Product Description		
USB4216	USB Type C Receptacle for USB 2.0, SMT Type, PCB Top Mount, Horizontal, 16Pin		
Drawing Date	14th February 2025		
By	KY	Tolerances (Except as Noted)	
Detail	Drawing Release	Length	Angle
Revision	A1	X.XX ± 0.30	±3°
Date	12/03/25	XXX ± 0.25	
		X.XXX ± 0.10	
		3rd Angle Projection	

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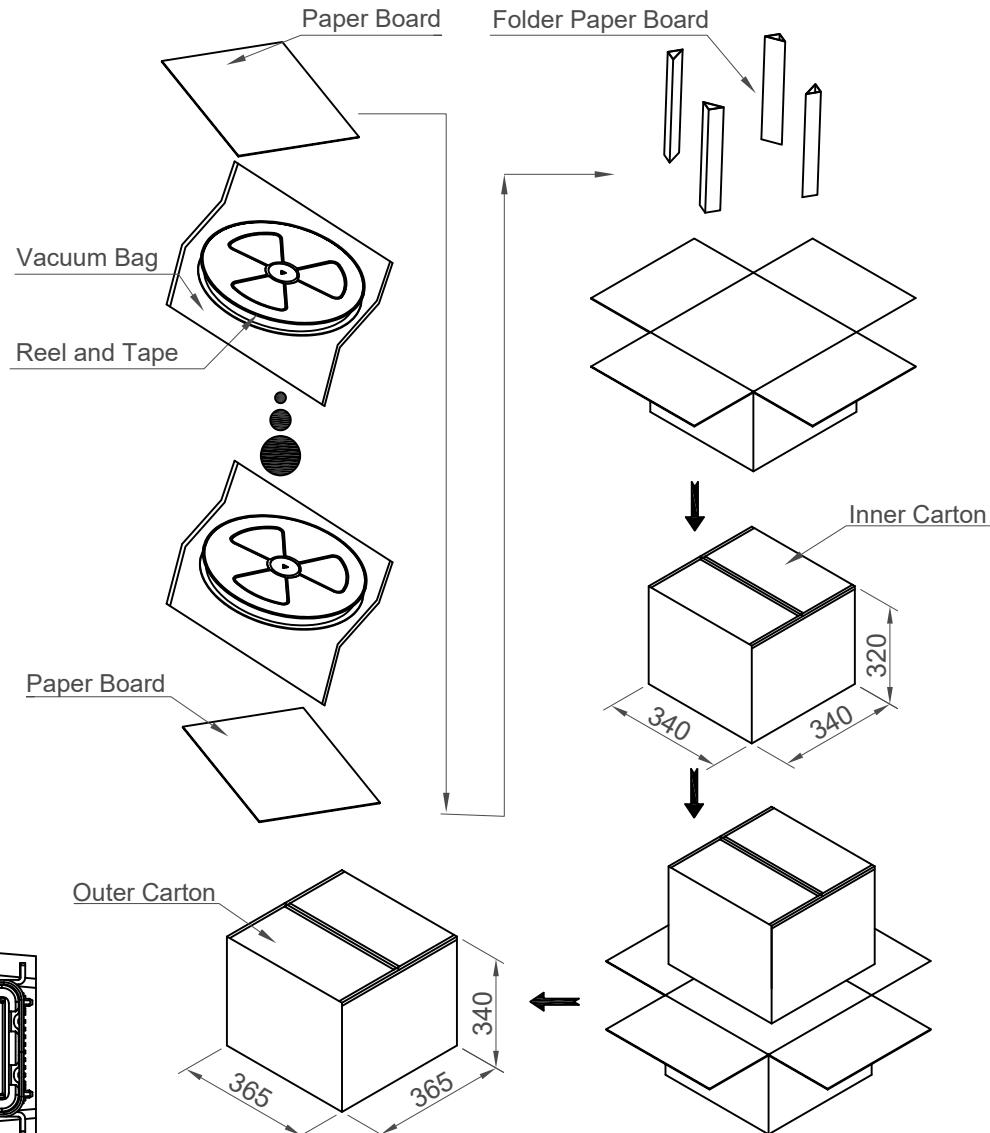
Not to Scale      Drawn By KY      Sheet No. 1/2

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Pcs / Reel	Reels / Carton	Total Quantity
1000	10	10000 pcs



Part Number	Product Description
USB4216	USB Type C Receptacle for USB 2.0, SMT Type, PCB Top Mount, Horizontal, 16Pin
Drawing Date	
14th February 2024	
By KY	Tolerances (Except as Noted)
Detail Drawing Release	Length Angle
Revision A1	Units: Metric (mm)
Date 12/03/25	3rd Angle Projection
	ROHS COMPLIANT 2011/65/EU Deca-BiDE
	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
	(C)
	Not to Scale Drawn By KY Sheet No. 2/2

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