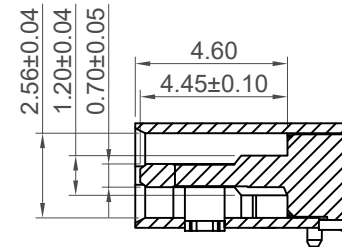
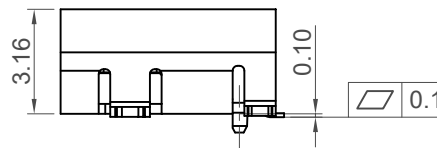
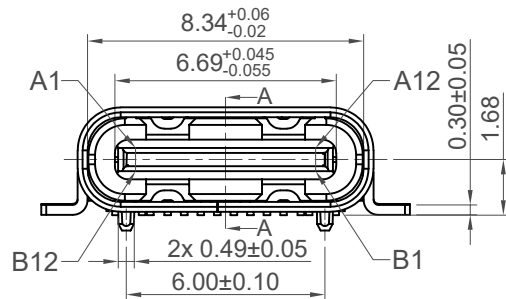
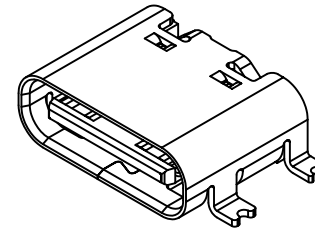


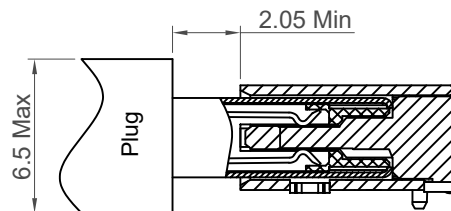
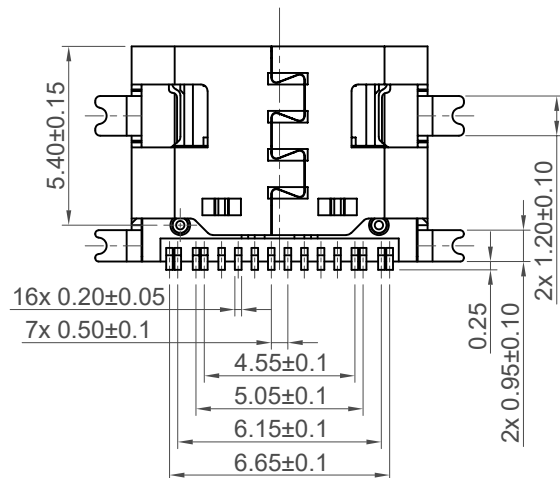
Recommended PCB Layout

As viewed from component side Tolerance: ±0.05mm

▨ Solder Area □ Component Outline



Section: A-A



Plug and Receptacle Mating View

Ordering Grid

USB4216-03-A [Request Samples and Quotation](#)

Contact Plating
03 = 3µ" Gold

Packing Options
A = Tape & Reel
(1200pcs per reel)

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

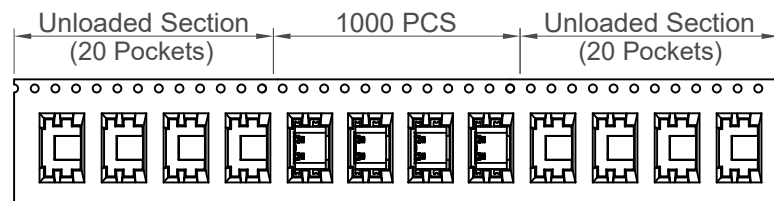
Mating Force: 5 to 20 N.

Unmated Force: 6 to 20 N after test

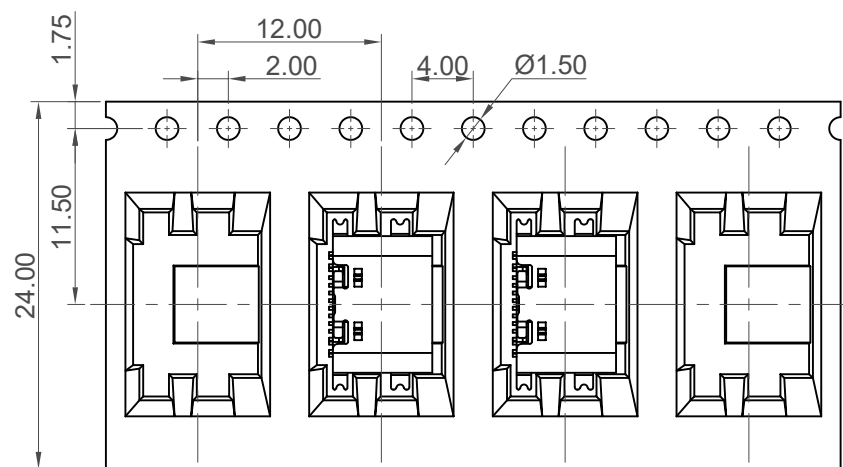
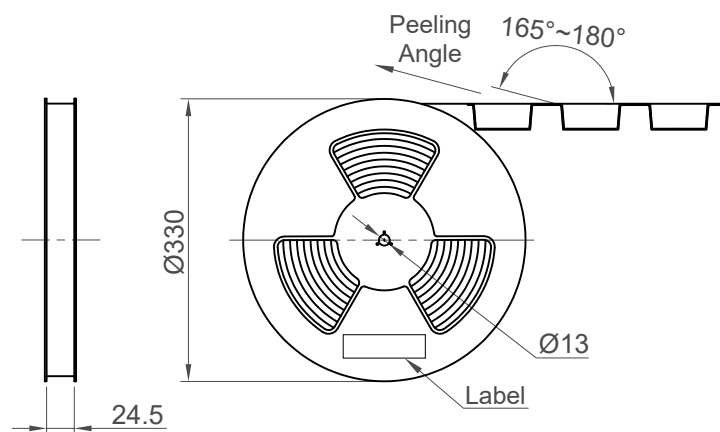
Durability: 20,000 cycles

Part Number USB4216			Product Description USB Type C Receptacle for USB 2.0, SMT Type, PCB Top Mount, Horizontal, 16Pin			<div> www.gct.co</div> <div><div>Not to Scale</div><div>Drawn By KY</div><div>Sheet No. 1/2</div></div>		
Drawing Date 14th February 2025								
By Detail	KY Drawing Release	Tolerances (Except as Noted) Length X.X ± 0.30 X.XX ± 0.25 X.XXX ± 0.10	Angle ±3°	Units: Metric (mm)	<div></div> <div> 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</div>			
Revision Date	A1 12/03/25	<div> 3rd Angle Projection</div>						

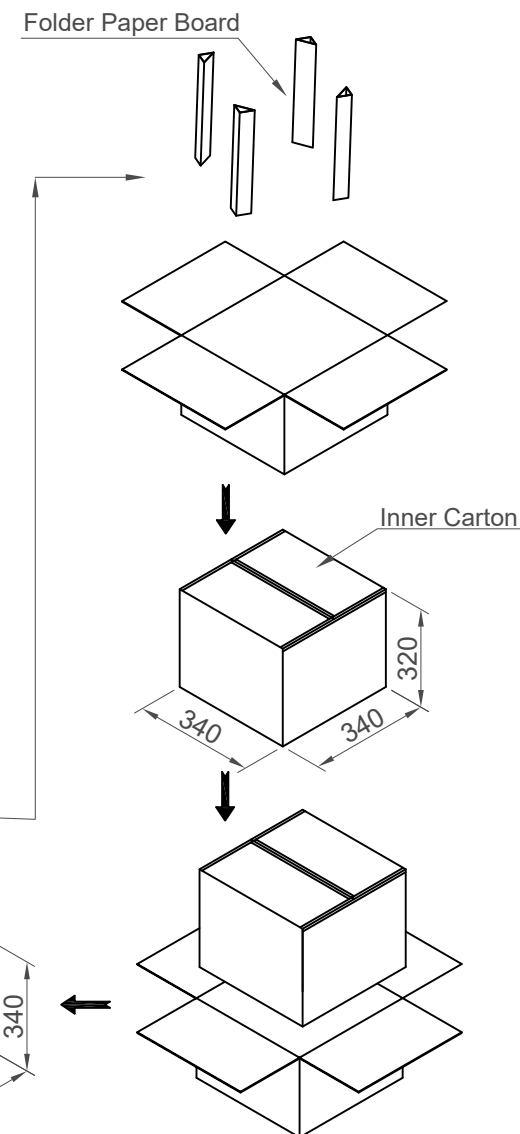
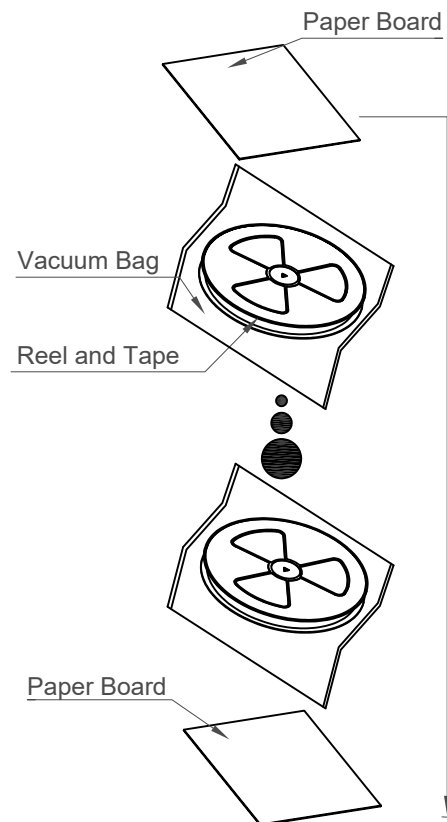
GCT
www.gct.co



Direction of Unreeling →



Direction of Unreeling →



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

Part Number USB4216		Product Description USB Type C Receptacle for USB 2.0, SMT Type, PCB Top Mount, Horizontal, 16Pin	
Drawing Date 14th February 2024			
By Detail	KY Drawing Release	Tolerances (Except as Noted) Length Angle	Units: Metric (mm)
Revision Date	A1 12/03/25	-	-



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Drawn By
KY
Sheet No.
2/2