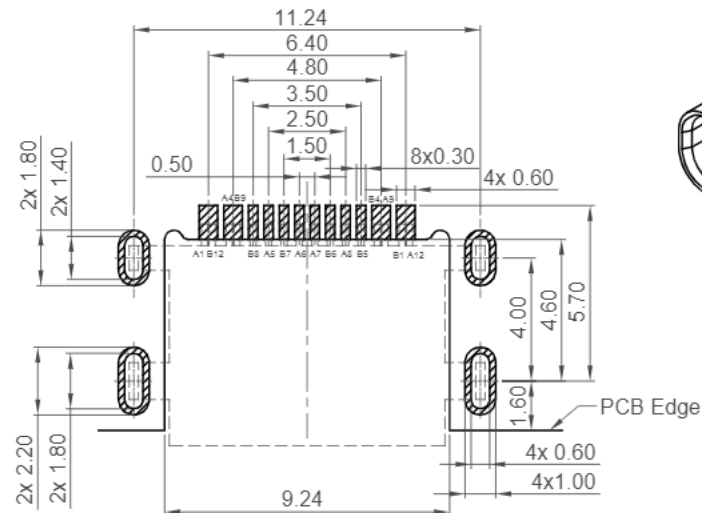
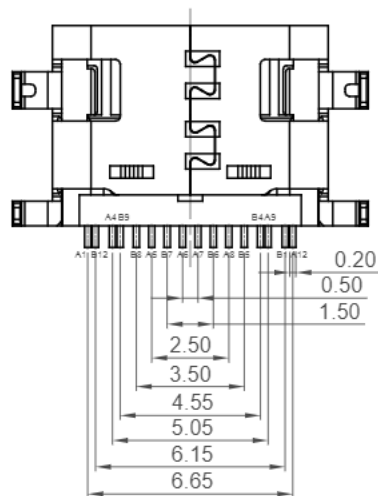




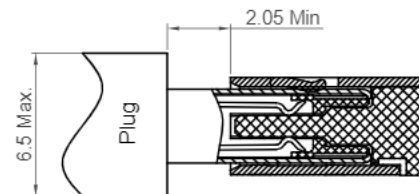
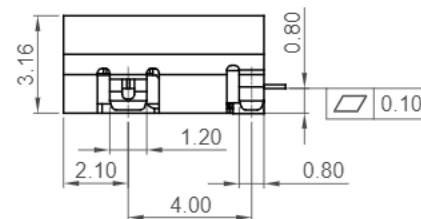
Recommended PCB Layout

Thickness=0.80mm

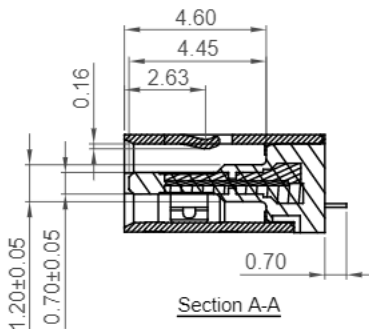
As viewed from component side Tolerance: $\pm 0.05\text{mm}$



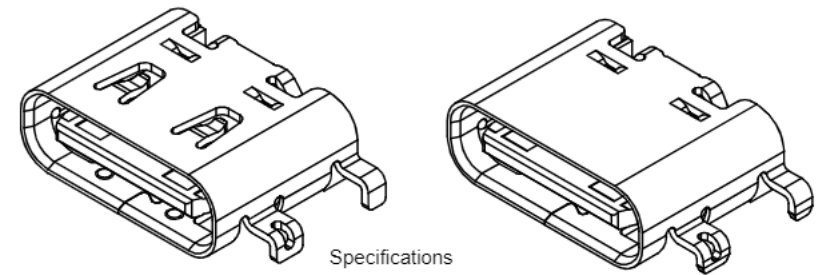
Pin	Signal	Mating Sequence	Pin	Signal	Mating Sequence
A1	GND	First	B12	GND	First
A4	V _{BUS}	First	B9	V _{BUS}	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	B5	CC2	Second
A9	V _{BUS}	First	B4	V _{BUS}	First
A12	GND	First	B1	GND	First
	SHELL	GND		SHELL	GND



Plug and Receptacle Mating View



Section A-A



Specifications

Material

Insulator: LCP, E130i, UL 94V-0, Black
Contact: Copper Alloy, C18400-H, T=0.12mm
Shell: Stainless steel, SUS304-1/2H, T=0.30mm
Mid Plate: Stainless Steel, SUS301-3/4H, T=0.15mm

Plating

Terminal:

Contact Area: See Ordering Grid
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: 10,000 cycles

Ordering Grid

USB4500-03-X-A [Request Samples and Quotation](#)

Contact Plating

03 = 3μ" Gold

Shell Spring

0 = Without

1 = With

Packing Options
A = Tape & Reel
(1400 pcs/reel)

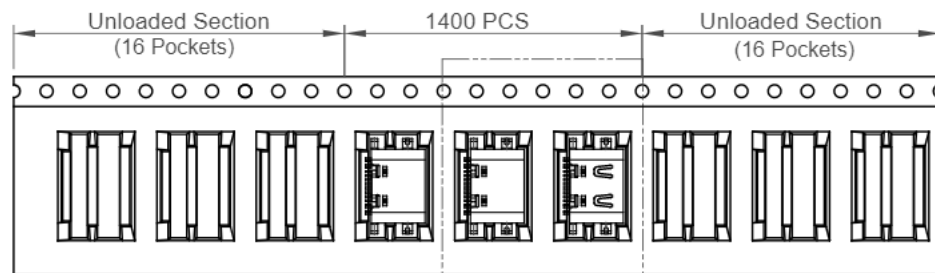
Part Number USB4500		Product Description USB Type C Receptacle for USB 2.0, SMT Type, Mid Mount, 0.8mm Offset			
Drawing Date 1st July 2021					
By Detail	CC Drawing Release	Tolerances (Except as Noted) Length X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10		Units: Metric (mm)	  This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE
Revision Date	A1 31/05/23	-		 2nd Angle Projection	

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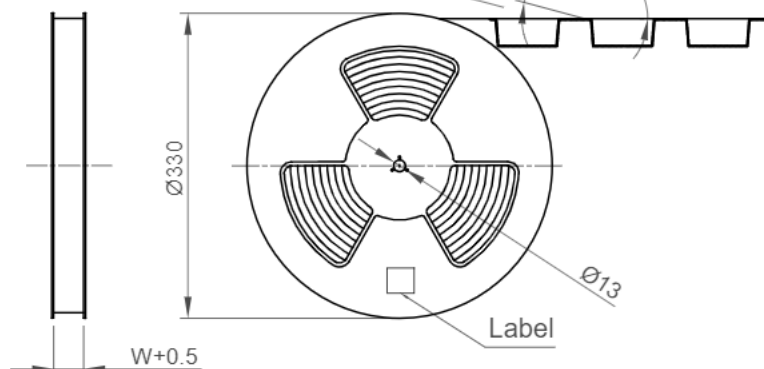
Not to Scale	Drawn By CC	Sheet No. 1/2
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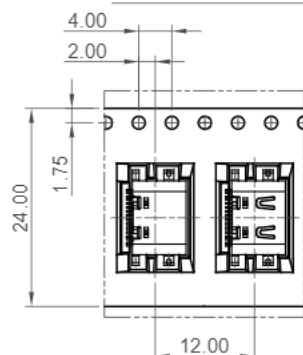
Direction of Unreeling

Detail E

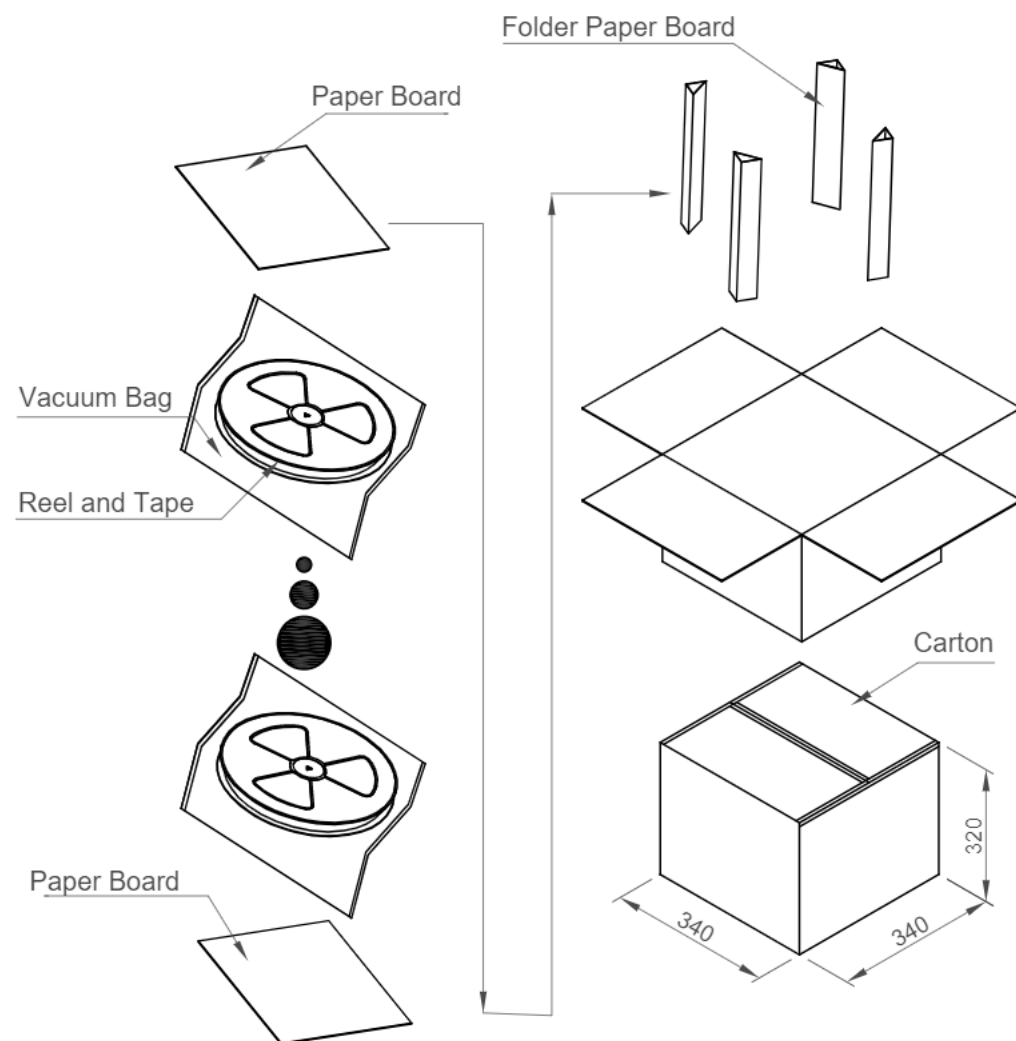
Peeling Angle $165^{\circ} \sim 180^{\circ}$



Direction of Unreeling



Detail: E



Pcs / Reel	Reels / Carton	Total Quantity
1400	10	14000 pcs

Part Number USB4500		Product Description USB Type C Receptacle for USB 2.0, SMT Type, Mid Mount, 0.8mm Offset	
Drawing Date 1st July 2021			
By CC	Drawing Release	Tolerances (Except as Noted) Length Angle	Units: Metric (mm)
Revision A1			
Date 31/05/23			



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Not to Scale Drawn By CC Sheet No. 2/2