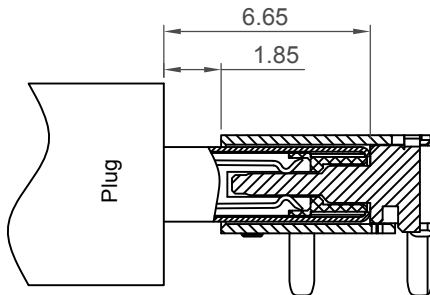
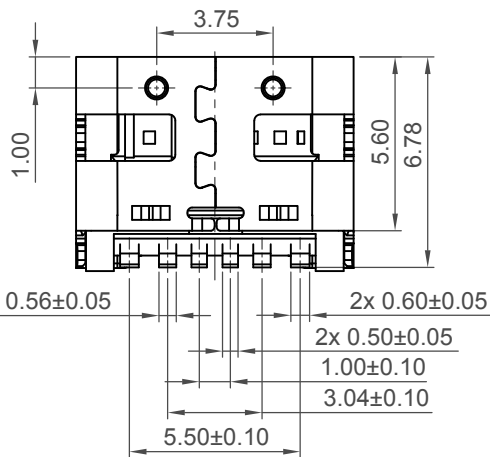
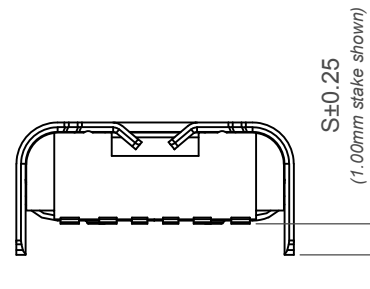
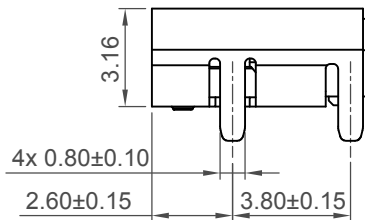
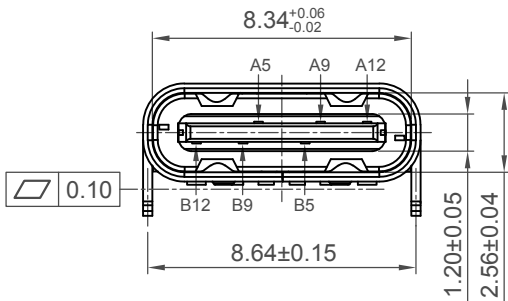


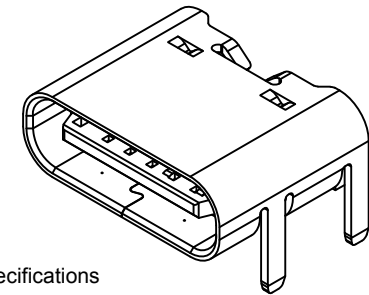
**Recommended PCB Layout**  
Thickness 1.00±0.10mm  
Tolerance: ±0.05mm

▨ Solder Area □ Component Outline



Plug and Receptacle Mating View

Pin	Signal	Mating Sequence
A5	CC1	Second
A9	Vbus	First
A12	GND	First
B5	CC2	Second
B9	Vbus	First
B12	GND	First
SHELL	GND	



**Specifications**

**Material**

Insulator: LCP, UL 94V-0, Black  
Contact: Copper Alloy  
Shell: Stainless Steel

**Plating**

**Contact**

Contact Area: Gold Flash  
Solder Tails: 80u" min. Matte Tin over Nickel  
Shell: 50u" min. Nickel

**Electrical**

Current Rating: 3.00A collectively for Vbus pins  
4.25A collectively for GND pins  
1.25A for B5 pin  
0.25A for A5 pin

Voltage Rating: 20V DC

Contact Resistance: 40mΩ max initial.  
50mΩ max after test

Dielectric Withstanding Voltage: 100V AC  
Insulation Resistance 100MΩ min

**Mechanical & Environmental**

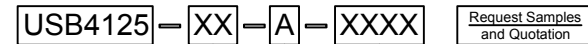
Operating Temperature: -30°C to +85°C

Mating Force: 5 to 20 N.

Unmated Force: 6 to 20 N after test

Durability: 20,000 cycles

**Ordering Grid**



Contact Plating  
GF = Gold Flash

Packing Options

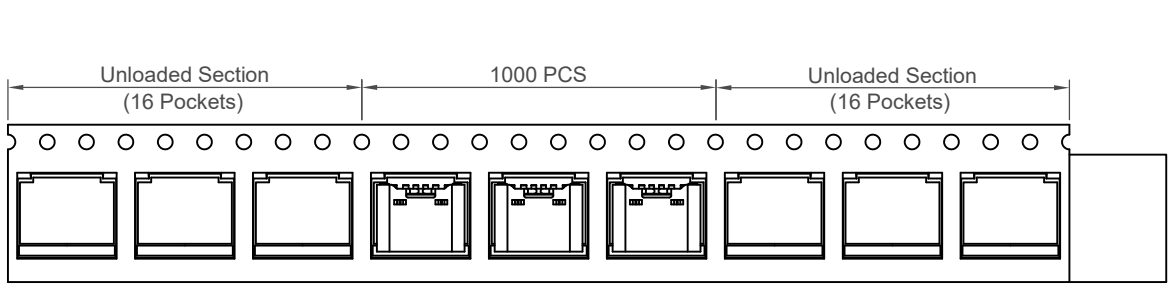
A = Tape & Reel (1000 per reel)

Shell Stake Length "S"  
Blank = 1.00mm  
0190 = 1.90mm

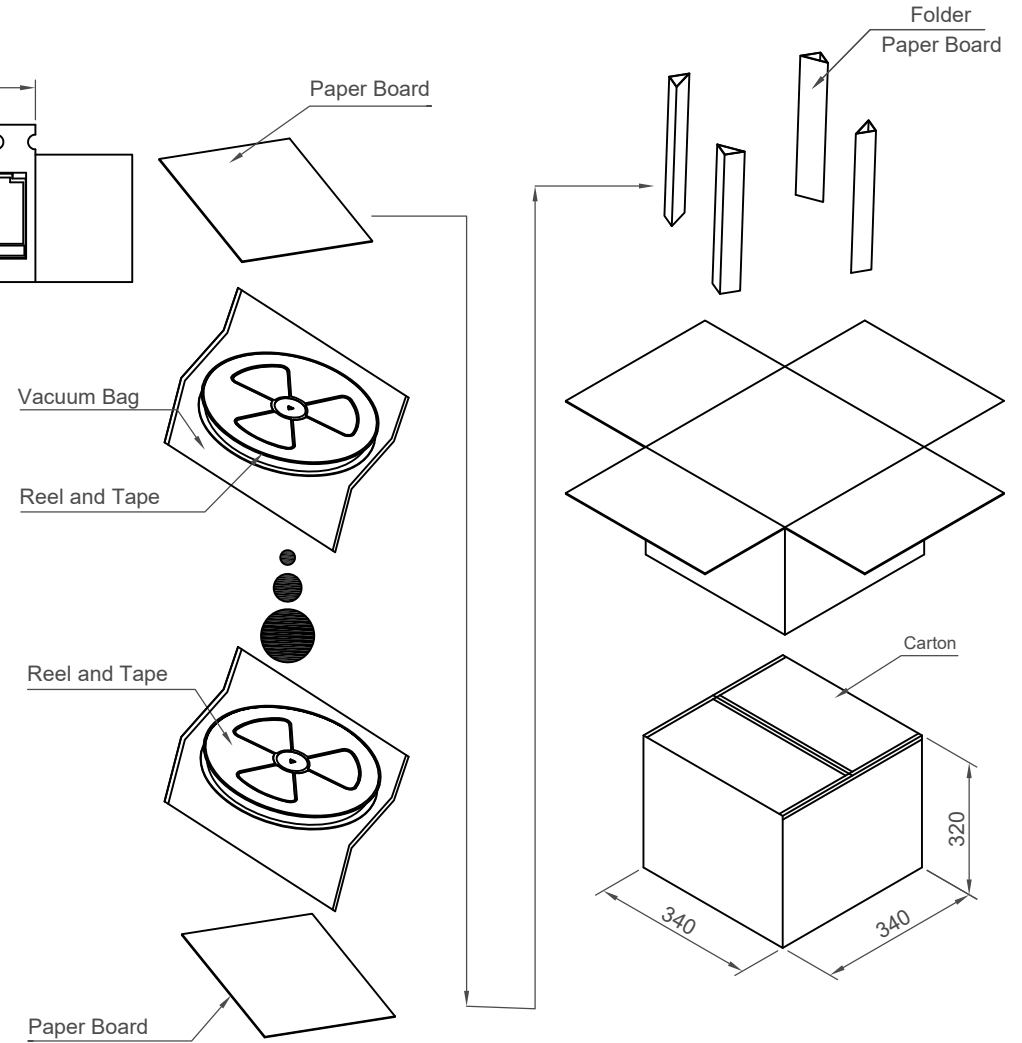
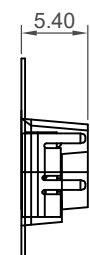
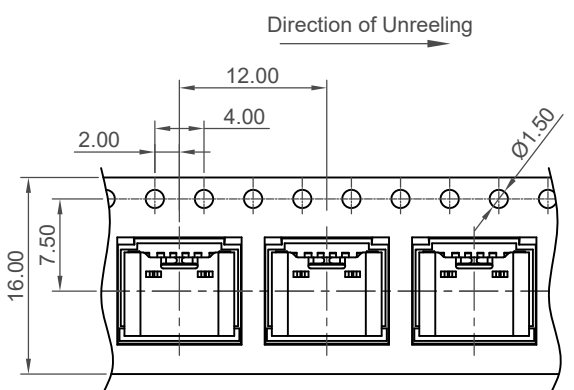
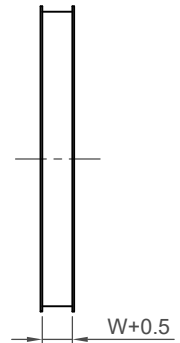
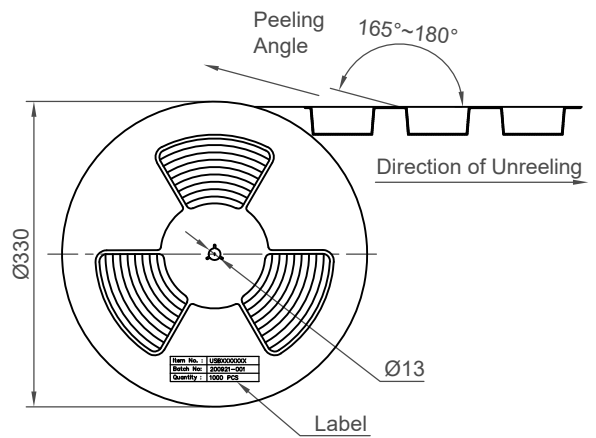
Part Number		Product Description	
USB4125		Type C Receptacle, Horizontal, SMT, For Power Charging Only	
Drawing Date		28th September 2020	
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A2	X.X ± 0.30	
Date	30/04/21	X.XX ± 0.25	
		X.XXX ± 0.10	



H  
G  
F  
E  
D  
C  
B  
A



Direction of Unreeling



Pcs / Reel	Reels / Carton	Total Quantity
1000	13	13,000 pcs

Part Number USB4125		Product Description Type C Receptacle, Horizontal, SMT, For Power Charging Only	
Drawing Date 28th September 2020			
By CC	Detail Drawing Release	Tolerances (Except as Noted) Length	Angle
Revision A2	Date 30/04/21		
		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



Not to Scale	Drawn By CC	Sheet No. 2/2
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1 2 3 4 5 6 7 8