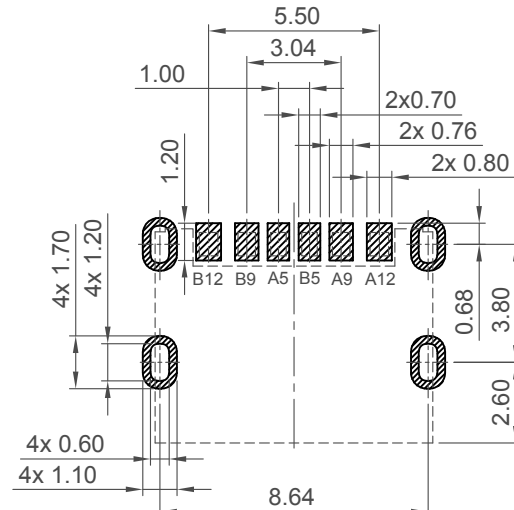
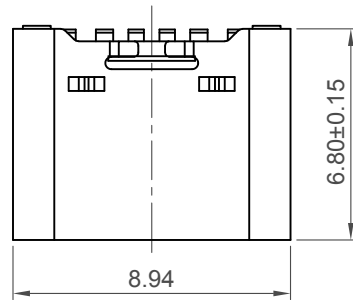
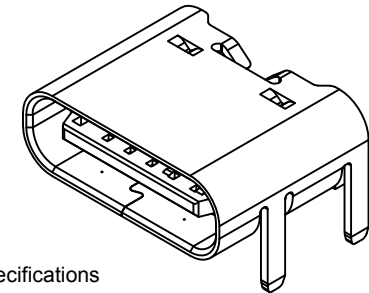




Recommended PCB Layout
Thickness 1.00±0.10mm
Tolerance: ±0.05mm

■ Solder Area □ Component Outline

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

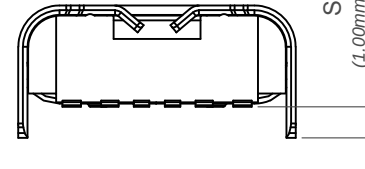
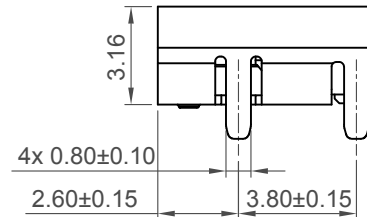
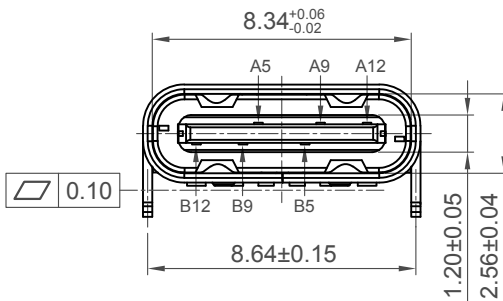
Mechanical & Environmental

Operating Temperature: -30°C to +85°C

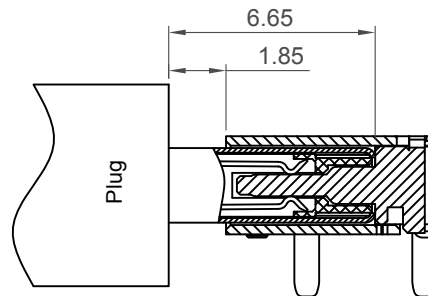
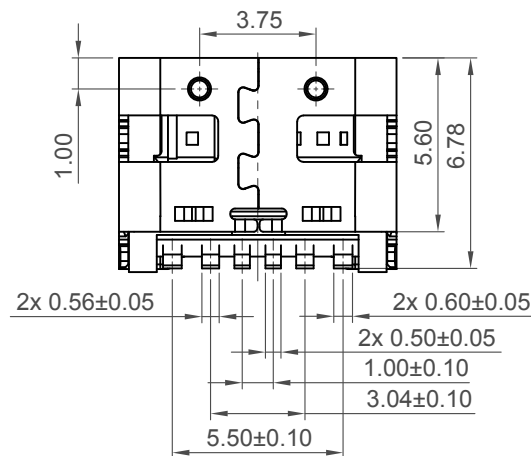
Mating Force: 5 to 20 N.

Unmated Force: 6 to 20 N after test

Durability: 20,000 cycles



S±0.25
(1.00mm stake shown)



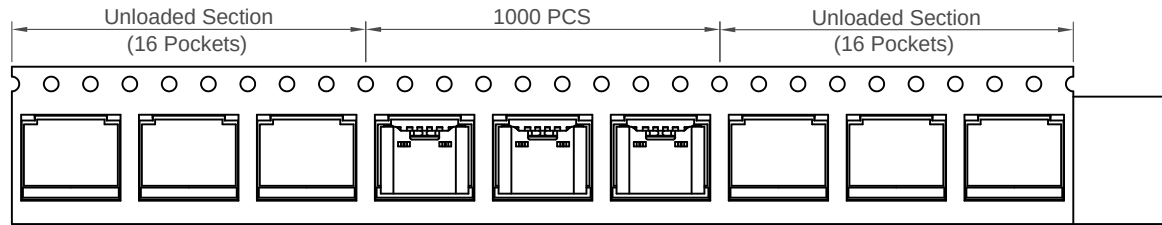
Plug and Receptacle Mating View

Ordering Grid

USB4125	=	XX	=	A	=	XXXX	Request Samples and Quotation
Contact Plating						Shell Stake Length "S" Blank = 1.00mm 0190 = 1.90mm	
GF = Gold Flash							
Packing Options							
A = Tape & Reel (1000 per reel)							

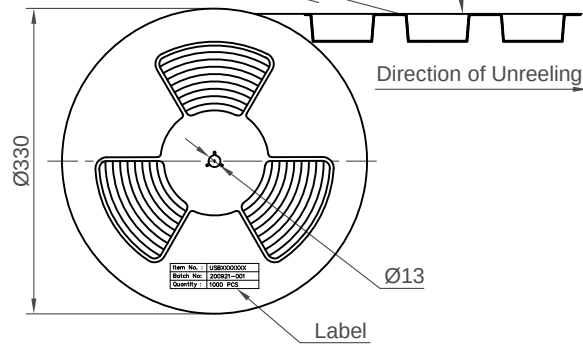
Part Number		Product Description				 www.gct.co
USB4125		Type C Receptacle, Horizontal, SMT, For Power Charging Only				
Drawing Date						
28th September 2020						
By	CC	Tolerances (Except as Noted)		Units:	This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE  	
Detail	Drawing Release	Length	Angle	Metric (mm)		
Revision	A2	X.X ± 0.30				
Date	30/04/21	X.XX ± 0.25	-			
		X.XXX ± 0.10				
Not to Scale		Drawn By		CC	Sheet No.	
					1/2	

H
G
F
E
D
C
B
A

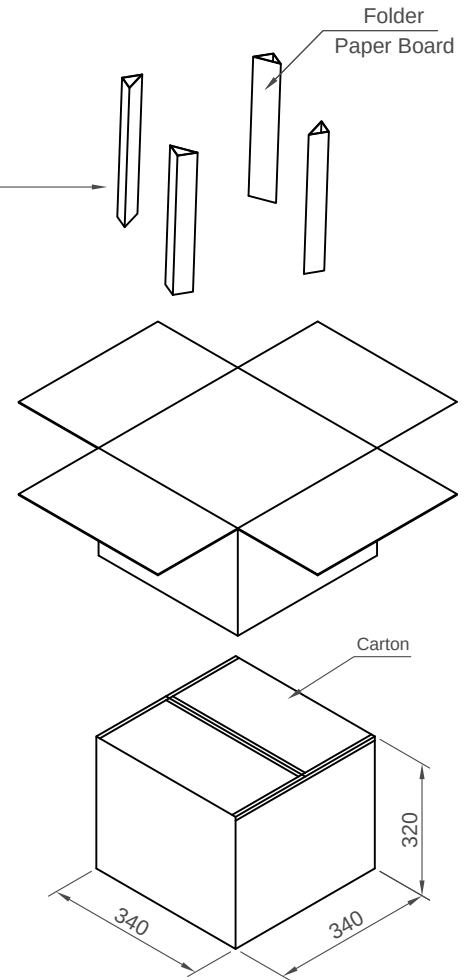
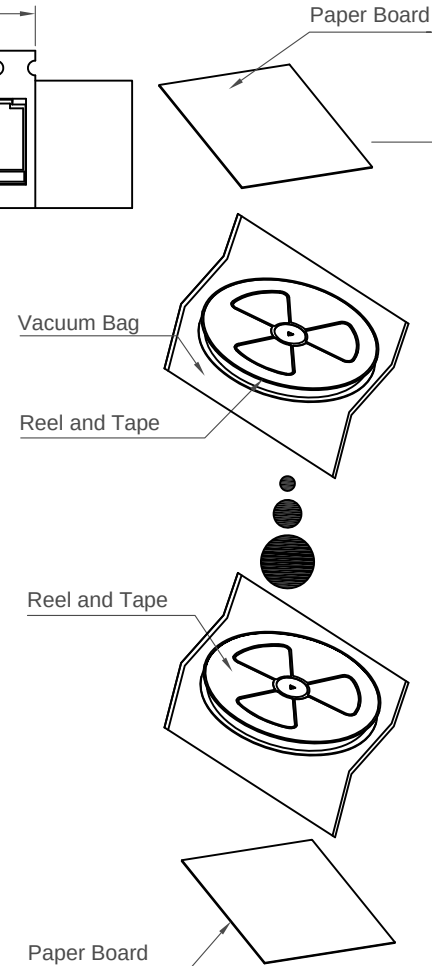
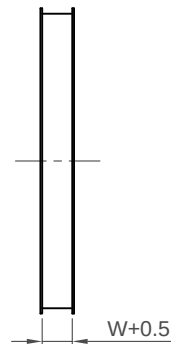
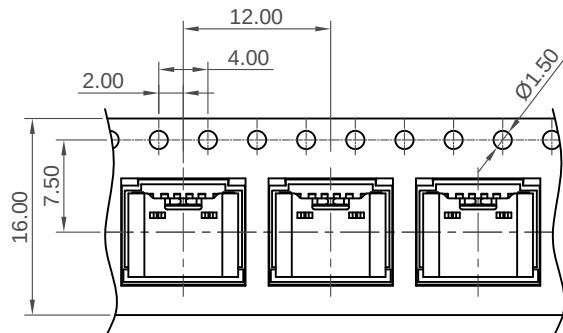


Direction of Unreeling

Peeling Angle 165°~180°



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	Drawing Release	Tolerances (Except as Noted) Length Angle	Units: Metric (mm)
Detail	A2	-	-
Revision	30/04/21	-	-
Date			



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www.gct.co

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