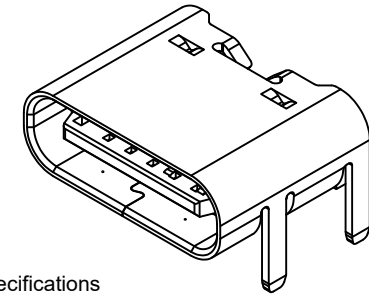


Recommended PCB Layout
Thickness 1.00±0.10mm
Tolerance: ±0.05mm

■ Solder Area □ Component Outline

Pin	Signal	Mating Sequence
A5	CC1	Second
A9	V _{bus}	First
A12	GND	First
B5	CC2	Second
B9	V _{bus}	First
B12	GND	First
SHELL	GND	



Specifications

Material

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

Plating

Contact: Gold Flash All Over
Shell: 50μ" min. Nickel
Middle plate: Clear

Electrical

Current Rating: 3.00A collectively for V_{bus} pins
4.25A collectively for GND pins
1.25A for A5/B5 pin

Voltage Rating: 48V DC

Contact Resistance: 40mΩ max initial.

50mΩ max after test

Dielectric Withstanding Voltage: 100V AC

Insulation Resistance 100MΩ min

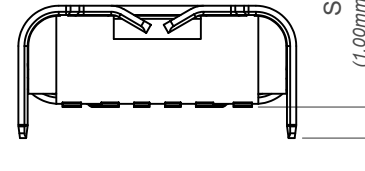
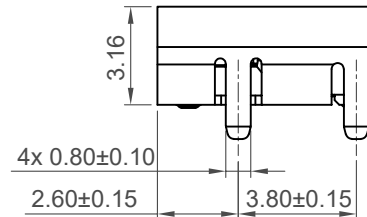
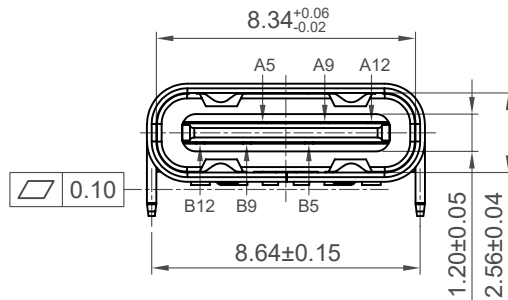
Mechanical & Environmental

Operating Temperature: -30°C to +85°C

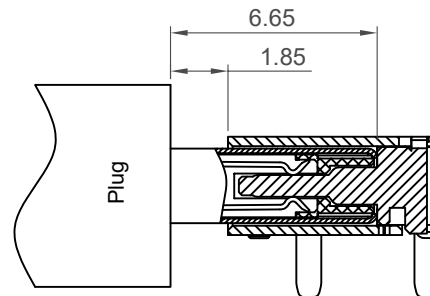
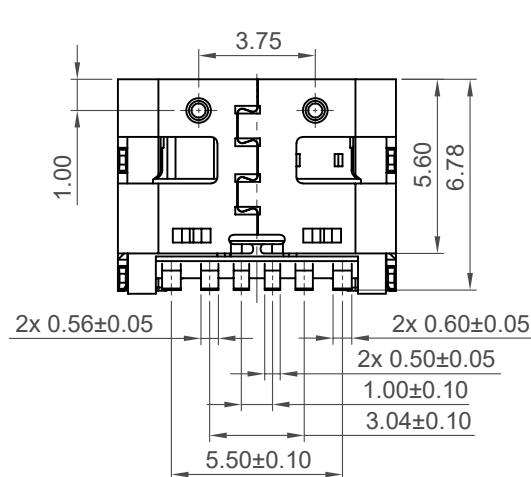
Mating Force: 5 to 20 N.

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
GF = Gold Flash

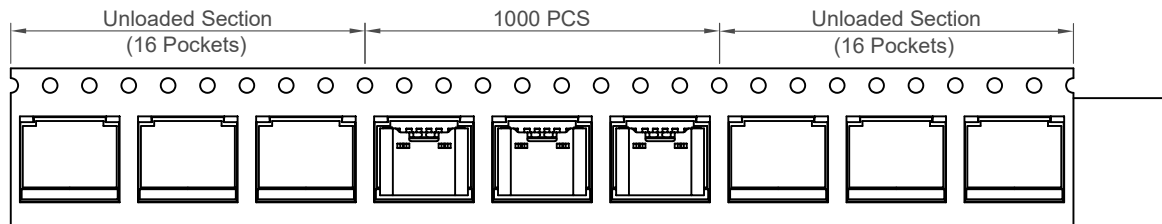
Packing Options

A = Tape & Reel (1000 per reel)

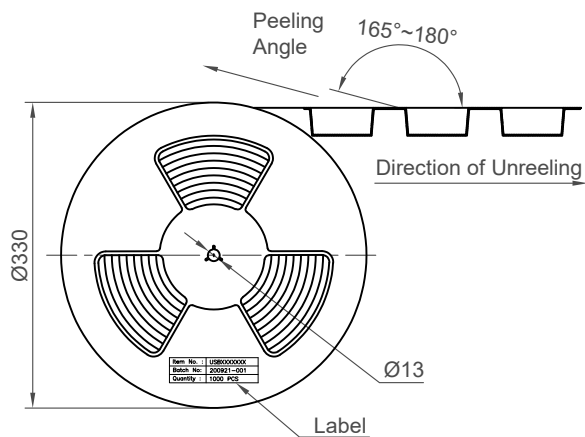
Shell Stake Length "S"
Blank = 1.00mm
0190 = 1.90mm

Part Number			Product Description				 www.gct.co	
USB4125			Type C Receptacle, Horizontal, SMT, For Power Charging Only					
Drawing Date								
28th September 2020								
By	KY	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	A4	X.X ± 0.30 X.XX ± 0.25 X.XXX ± 0.10	-	 3rd Angle Projection				
Date	02/09/24							
						Not to Scale	Drawn By CC	Sheet No. 1/2

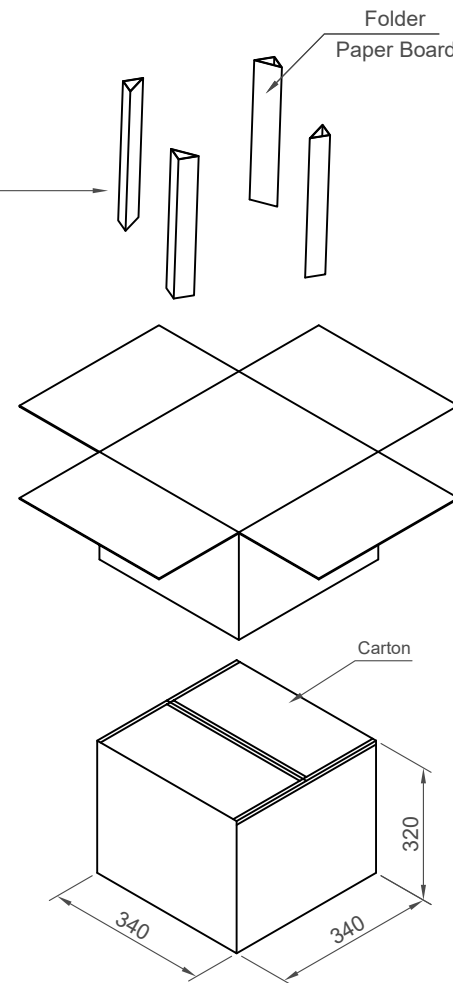
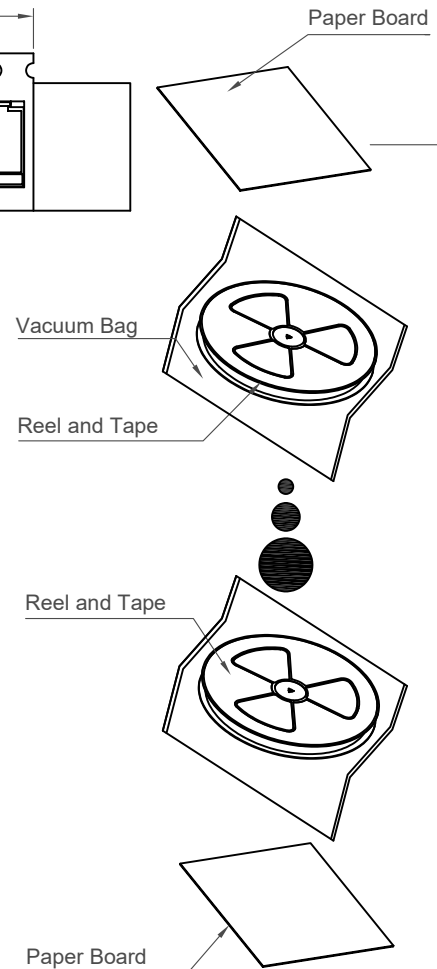
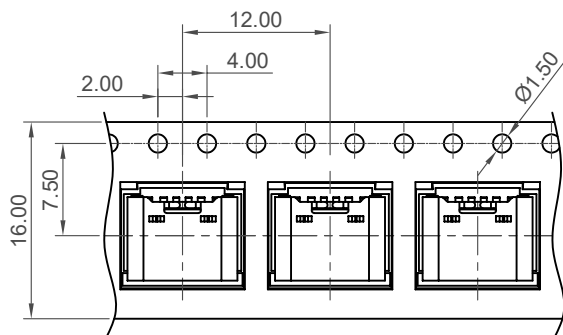
H
G
F
E
D
C
B
A



Direction of Unreeling



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 KY	Drawing Release	Tolerances (Except as Noted) Length Angle	Units: Metric (mm)
Detail	A4	-	-
Revision	02/09/24		
Date			



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

1 2 3 4 5 6 7 8

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