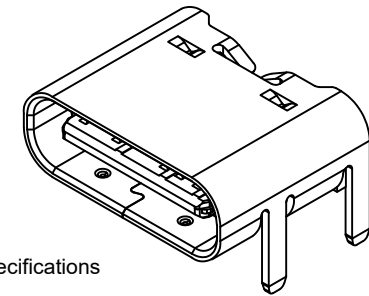


Recommended PCB Layout
Tolerance: $\pm 0.05\text{mm}$

▨ 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
Mid plate: Stainless Steel

Plating

Contact:
Contact Area: Gold Flash
Solder Tails: Gold Flash
Underplating: $30\mu\text{m}$ min. Nickel
Shell: $30\mu\text{m}$ min. Nickel
Mid plate: Clear

Electrical

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

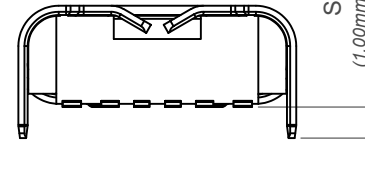
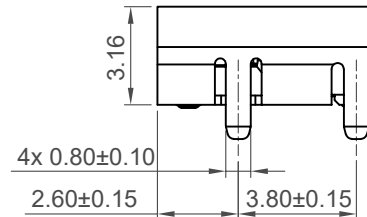
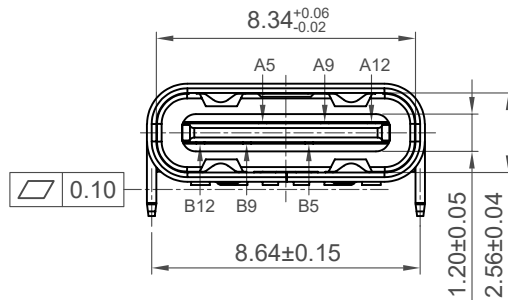
Voltage Rating: 48V DC

Contact Resistance: $40\text{m}\Omega$ max initial.
 $50\text{m}\Omega$ max after test

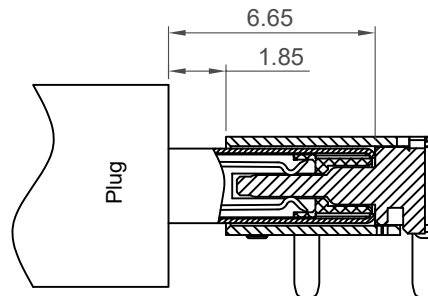
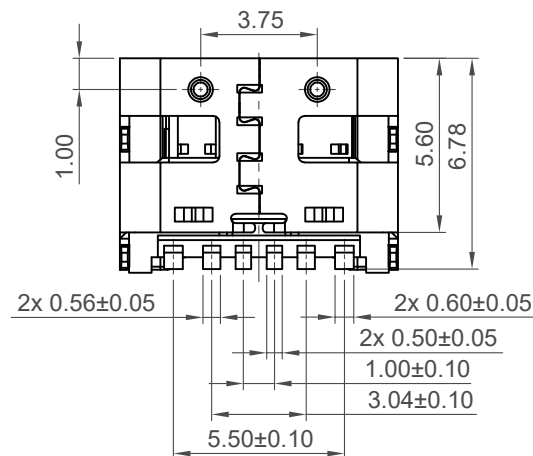
Dielectric Withstanding Voltage: 100V AC
Insulation Resistance $100\text{M}\Omega$ min

Mechanical & Environmental

Operating Temperature: -30°C to $+85^\circ\text{C}$
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 = GF = A = XXXX Request Samples and Quotation

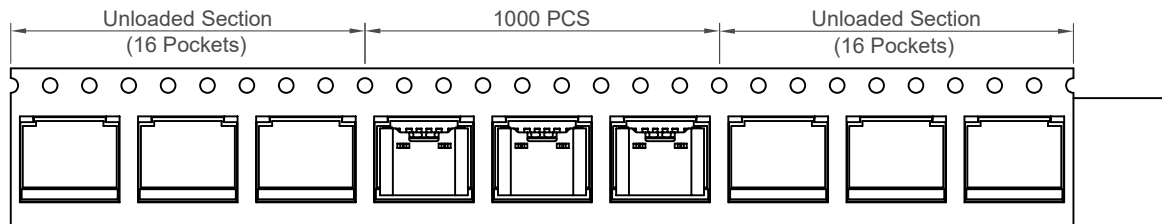
Contact Plating
GF = Gold Flash

Packing Options
A = Tape & Reel (1000 per reel)

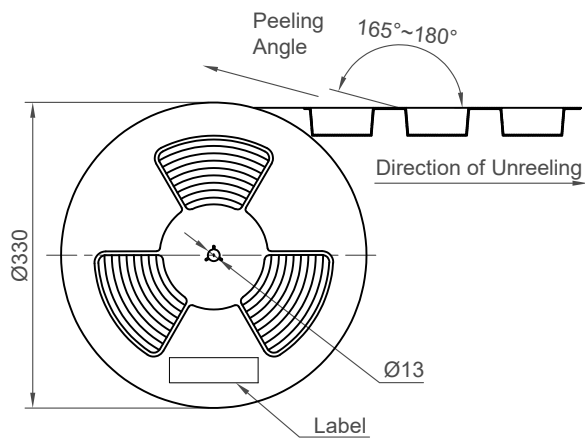
Shell Stake Length "S"
Blank = 1.00mm
0190 = 1.90mm

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:	<p>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</p> 			
Detail	Drawing Release	Length	Angle	Metric (mm)				
Revision	A6	X.X ± 0.30	-	 3rd Angle Projection				
Date	20/11/25	X.XX ± 0.25						
		X.XXX ± 0.10				Not to Scale	Drawn By CC	Sheet No. 1/2

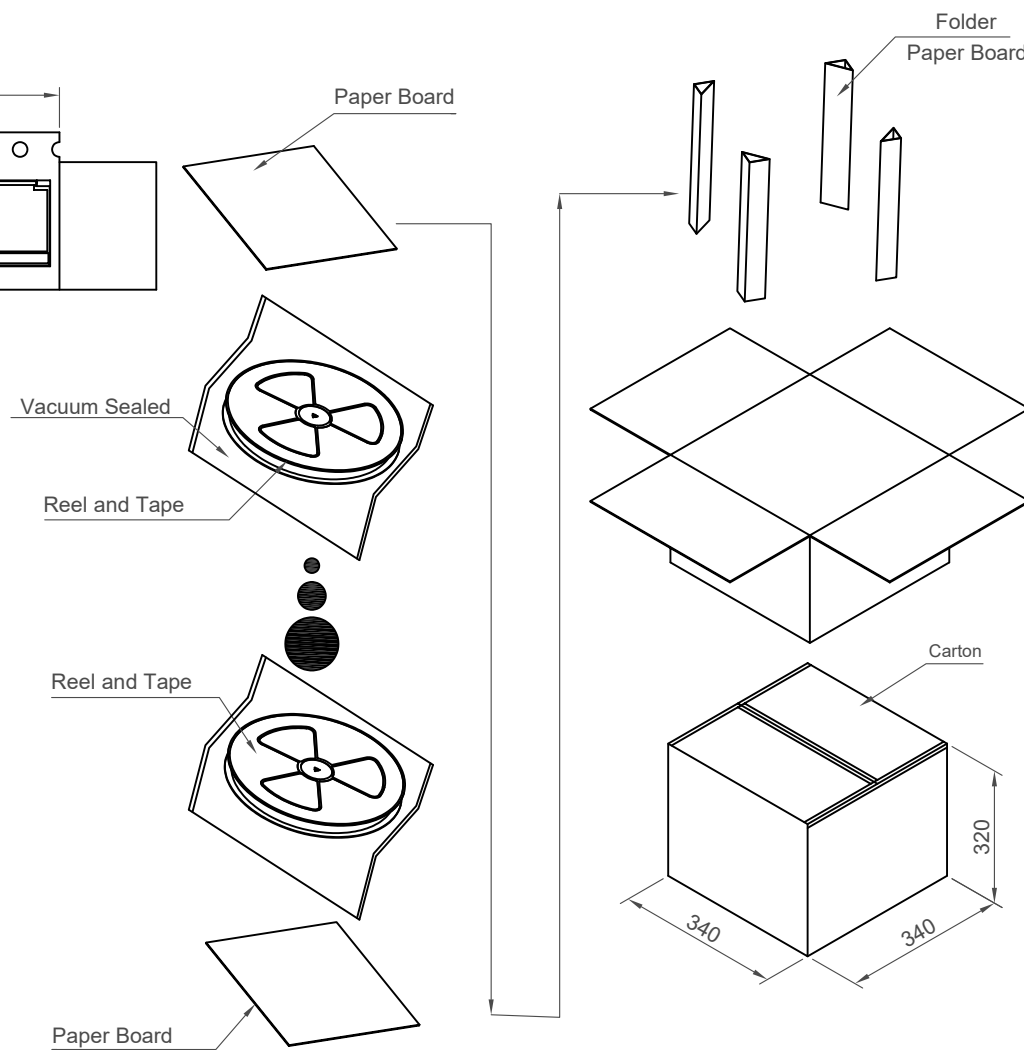
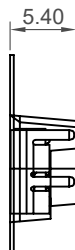
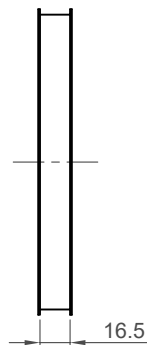
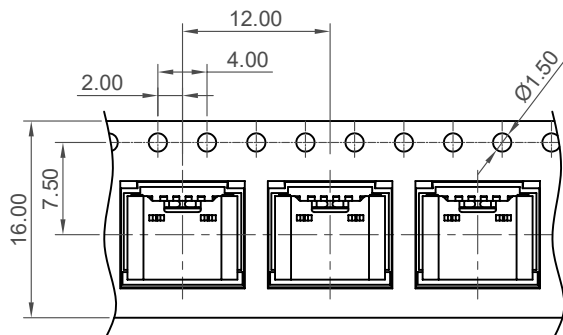
H
G
F
E
D
C
B
A







Direction of Unreeling



Direction of Unreeling



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

Part Number		Product Description		<div> www.gct.co</div>		
USB4125		Type C Receptacle, Horizontal, SMT, For Power Charging Only				
Drawing Date						
28th September 2020						
By	KY	Tolerances (Except as Noted)		<div> RoHS COMPLIANT 2011/65/EU Draze-SIDE</div>	<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>	
Detail	Drawing Release	Units: Metric (mm)				
Revision	A6	<div> 3rd Angle Projection</div>				
Date	20/11/25					
				Not to Scale	Drawn By CC	Sheet No. 2/2