

Section:A-A

Ordering Grid

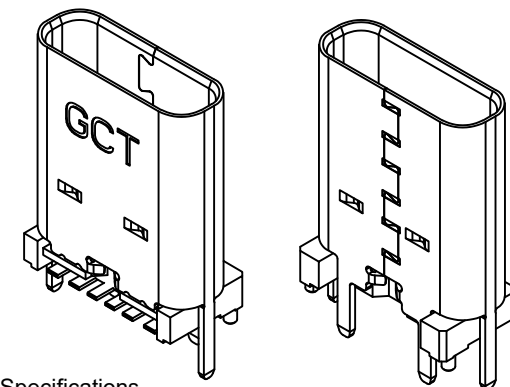
USB4175 - GF - XXXX - C

Request Samples and Quotation

Packing Options  
C = Tape & Reel with Cap (350 per reel)

Contact Plating  
GF = Gold Flash

Shell Stake Length "S"  
0160 = 1.60mm (Standard)  
0230 = 2.30mm



## Specifications

### Material

Insulator: PA9T, UL 94V-0, Black  
Contact: Copper Alloy  
Shell: Stainless Steel  
Middle Plate: Stainless Steel

### Plating

Contact  
Contact Area: Gold Flash Over 50µ" min. Nickel  
Solder Tails: Gold Flash Over 50µ" min. Nickel  
Shell: 30µ" min. Nickel  
Middle 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: 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

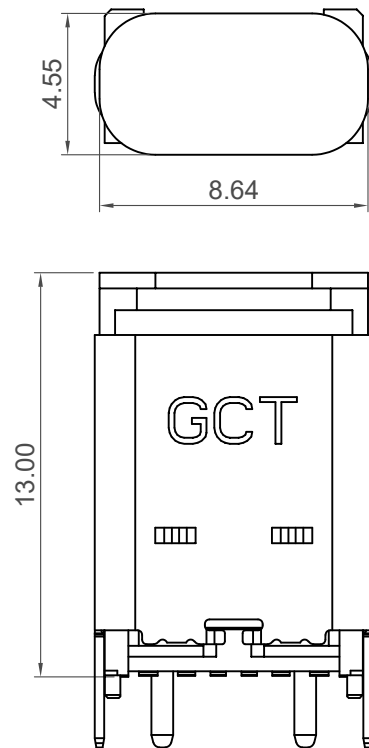
Mating Force: 5 to 20 N.

Unmated Force: 6 to 20 N after test

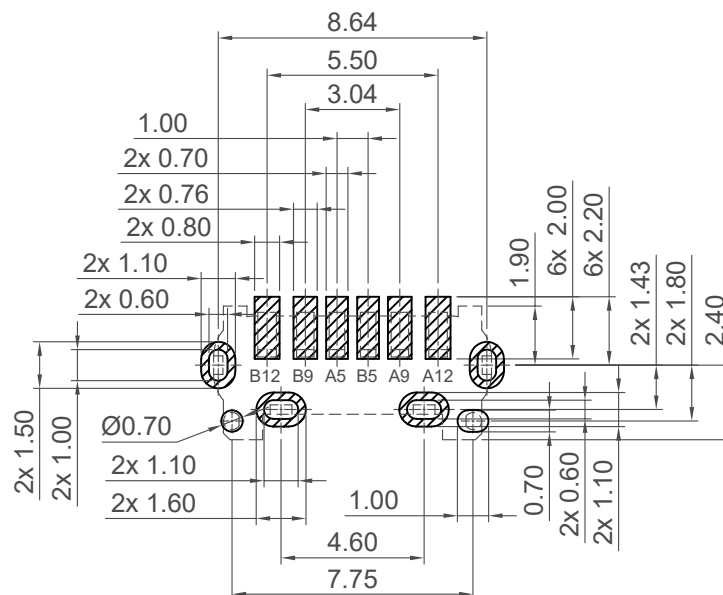
Durability: 20,000 cycles

Part Number		Product Description	
USB4175		USB Type C Receptacle, Vertical, SMT, H11.0mm	
Drawing Date		For Power charging only, 6 Pin	
2nd March 2023			
By	KY	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A2	Angle	
Date	29/08/24	X.X ± 0.30	
		X.XX ± 0.20	
		X.XXX ± 0.10	
		3rd Angle Projection	
		RoHS COMPLIANT 2011/65/EU	
		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. 1/4	

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Cap Information



Recommended PCB Layout

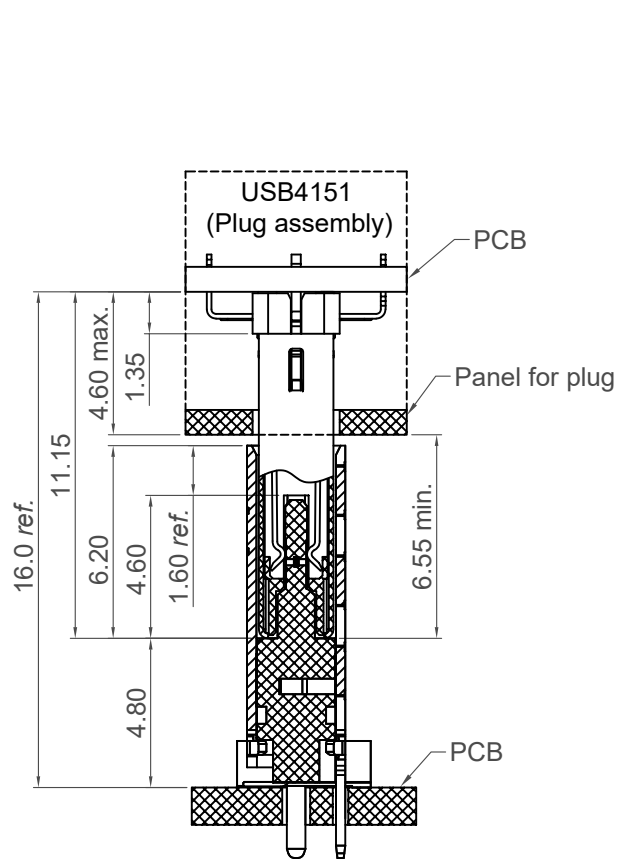
Tolerance:  $\pm 0.05\text{mm}$

▨ Solder Area    □ Component Outline

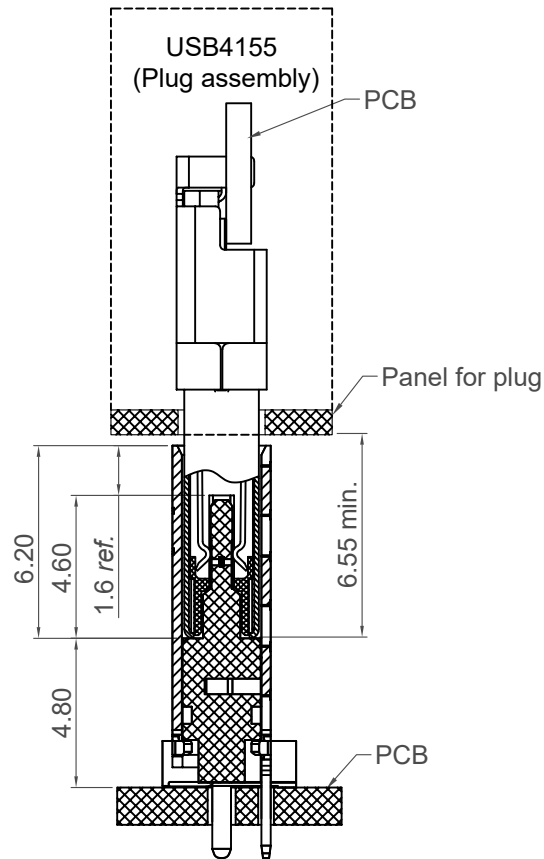
Pin	Signal	Mating Sequence
A5	CC1	Second
A9	V <sub>BUS</sub>	First
A12	GND	First
B5	CC2	Second
B9	V <sub>BUS</sub>	First
B12	GND	First
SHELL		GND

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Revision	A2	X.X $\pm$ 0.30	-		
Date	29/08/24	X.XX $\pm$ 0.20			
		X.XXX $\pm$ 0.10			Not to Scale    Drawn By CC    Sheet No. 2/4

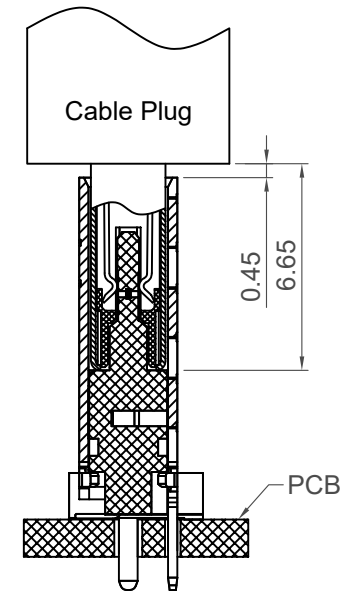
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USB4175  
(Receptacle assembly)






USB4175  
(Receptacle assembly)

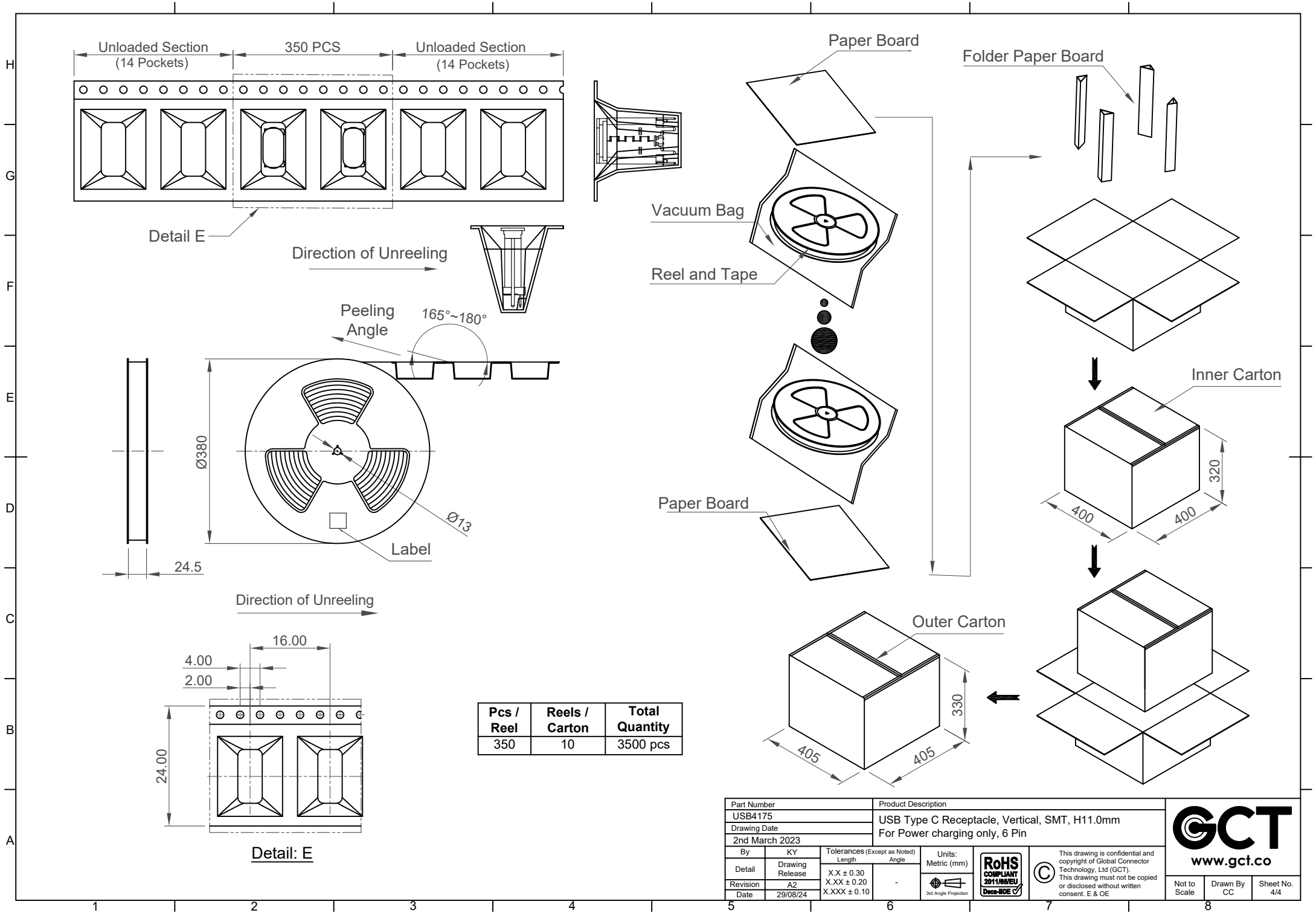




USB4175  
(Receptacle assembly)

Plug and Receptacle Mating View

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Authorized Distributor

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