

## Specifications

### Material

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

### Plating

Contact  
Contact Area: 3u" Au over 50µ" min. Nickel  
Solder Tails: Gold Flash over 50µ" min. Nickel  
Shell: 30µ" min. Nickel  
Mid Plate: Clear  
EMI Plate: Clear

### Electrical

Current Rating: 5.00A collectively for Vbus pins  
6.25A collectively for GND pins  
1.25A for A5/B5 pin  
0.25A per pin for all other pins

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: -25°C to +85°C

Mating Force: 5 to 20 N.

Unmated Force: 6 to 20 N after test

Durability: 20K cycles

### Ordering Grid

USB4145 - 03 - XXXX - C [Request Samples and Quotation](#)

Contact Plating  
03 = 3u" Gold

### Packing Options





C = Tape & Reel with Cap

### Shell Stake Length "S"

0070 = 0.70mm

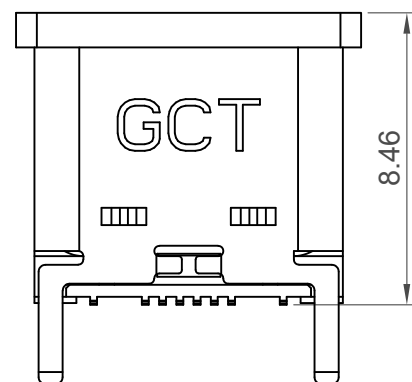
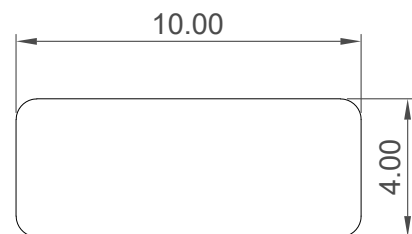
0170 = 1.70mm

0230 = 2.30mm

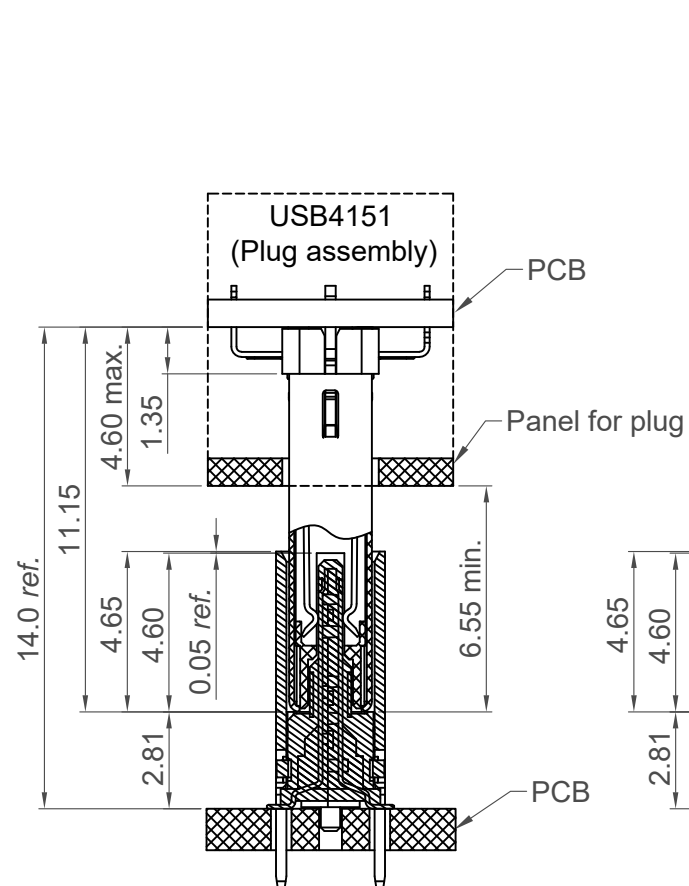
Part Number		Product Description				 www.gct.co
USB4145		USB2.0 Type C Receptacle, Vertical, SMT, H=7.46mm, 16 Pin				
Drawing Date						
28th June 2022						
By	CC	Tolerances (Except as Noted)		Units:	  This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE	
Detail	Drawing Release	Length	Angle	Metric (mm)		
Revision	A1	X.X ± 0.30				
Date	30/08/22	X.XX ± 0.20	-	3rd Angle Projection		
		X.XXX ± 0.10				
						Not to Scale
						Drawn By CC
						Sheet No. 1/4

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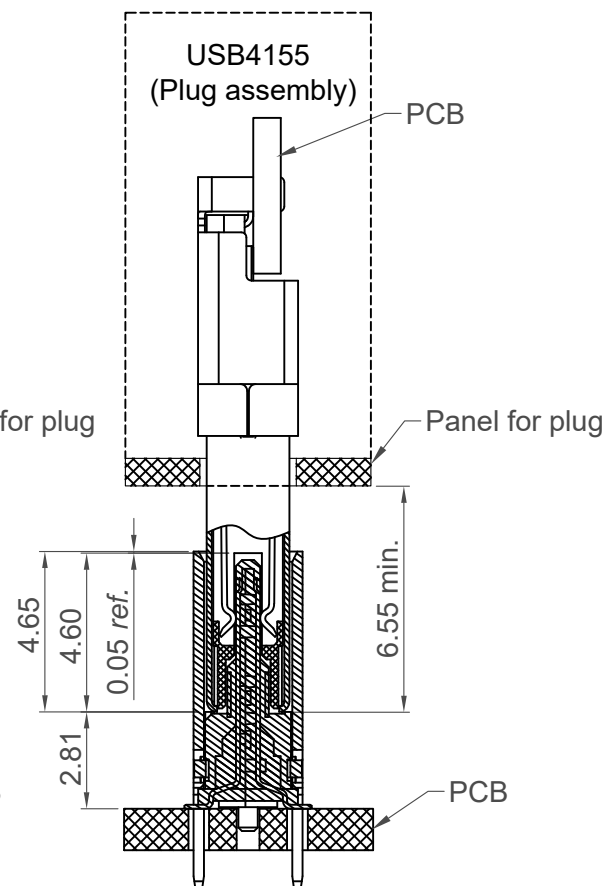




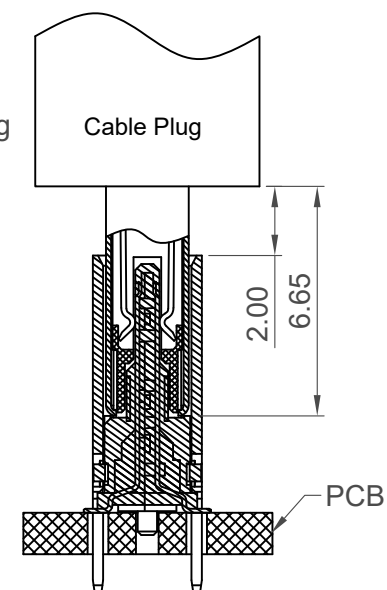
### Cap Information



USB4145  
(Receptacle assembly)







USB4145  
(Receptacle assembly)

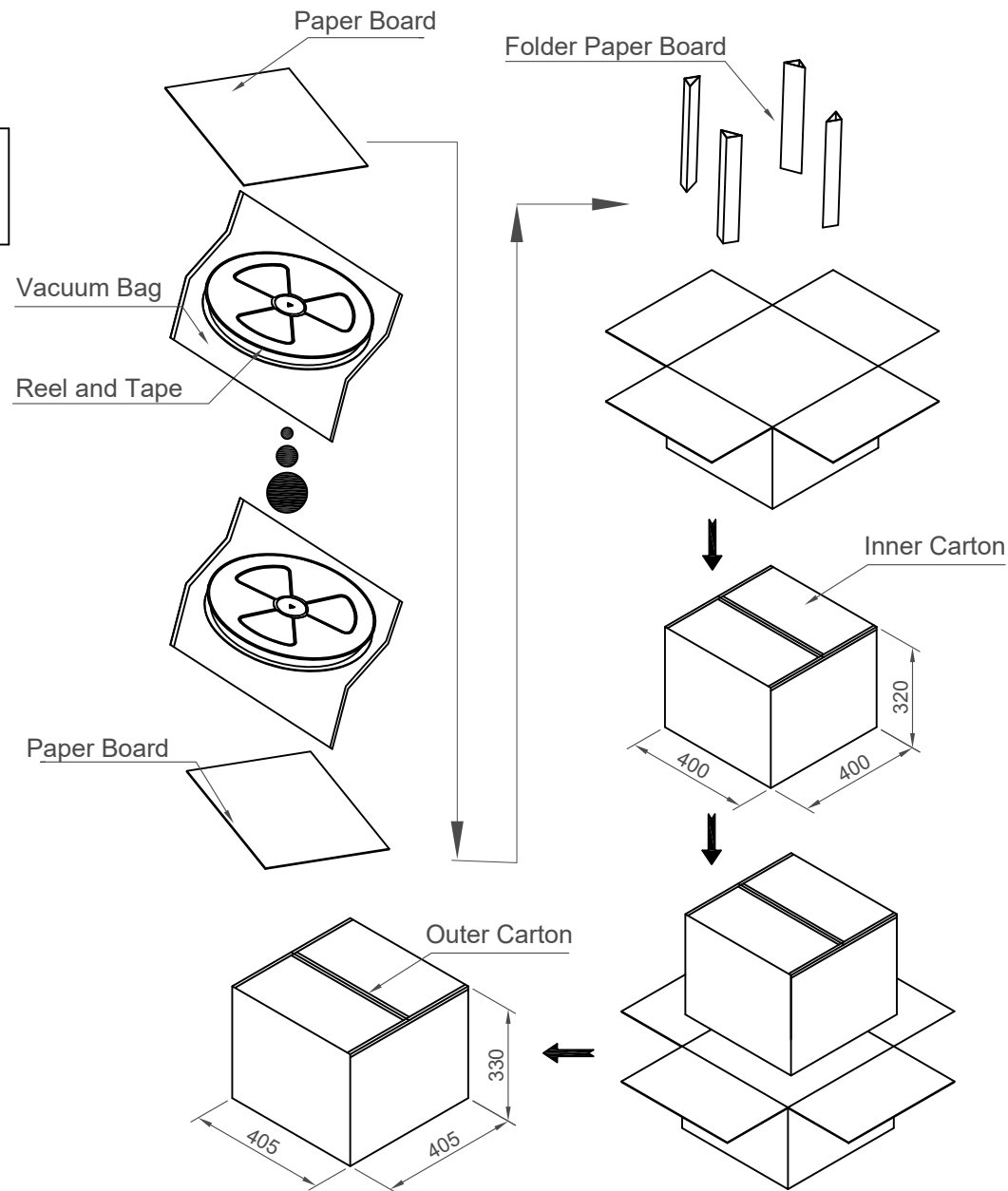
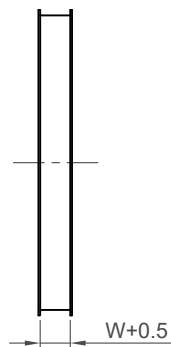
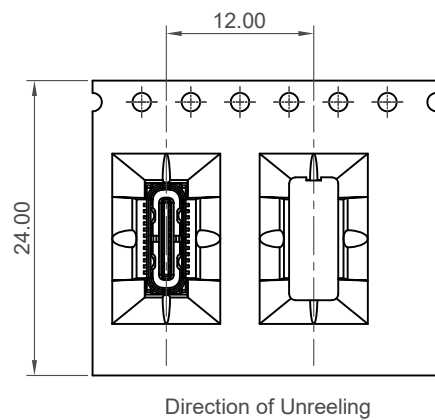
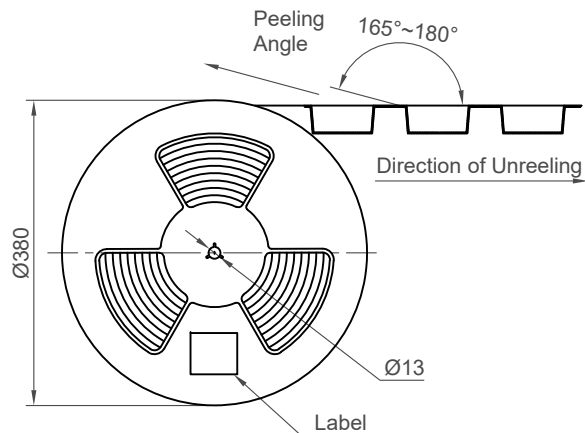
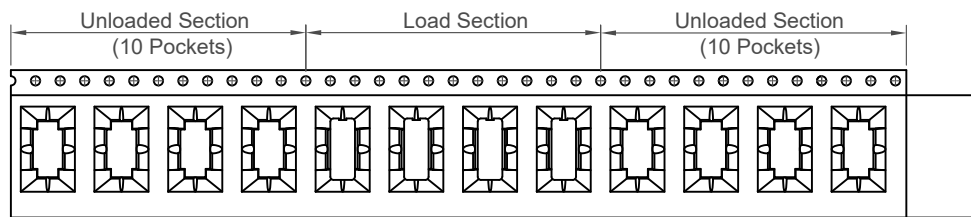


USB4145  
(Receptacle assembly)

### Plug and Receptacle Mating View

Part Number		Product Description			<div> www.gct.co</div>			
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Drawing Date								
28th June 2022								
By	CC	Tolerances (Except as Noted)		<div> Units: Metric (mm)</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 &amp; OE</div>	Not to Scale	Drawn By CC	Sheet No. 3/4
Detail	Drawing Release	Length	Angle					
Revision	A1	X.X ± 0.30	-					
Date	30/08/22	X.XXX ± 0.10						

H  
G  
F  
E  
D  
C  
B  
A



Part Number	Pcs / Reel	Reels / Carton	Total Quantity
USB4145-03-0070-C	700	10	7,000 pcs
USB4145-03-0170-C	600	10	6,000 pcs
USB4145-03-0230-C	600	10	6,000 pcs

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Revision	A1	Angle	
Date	30/08/22	X.X ± 0.30	
		X.XX ± 0.20	
		X.XXX ± 0.10	



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Not to Scale	Drawn By CC	Sheet No. 4/4
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