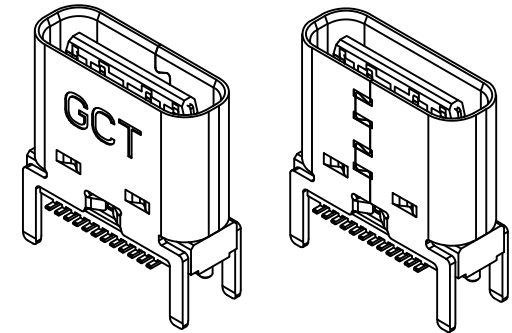


Section: A-A



## 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: 48V DC

Power Rating: 240W

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

USB4160 - 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

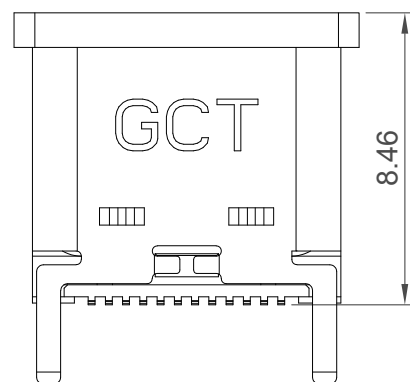
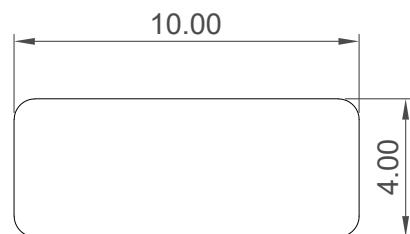
0170 = 1.70mm

0230 = 2.30mm

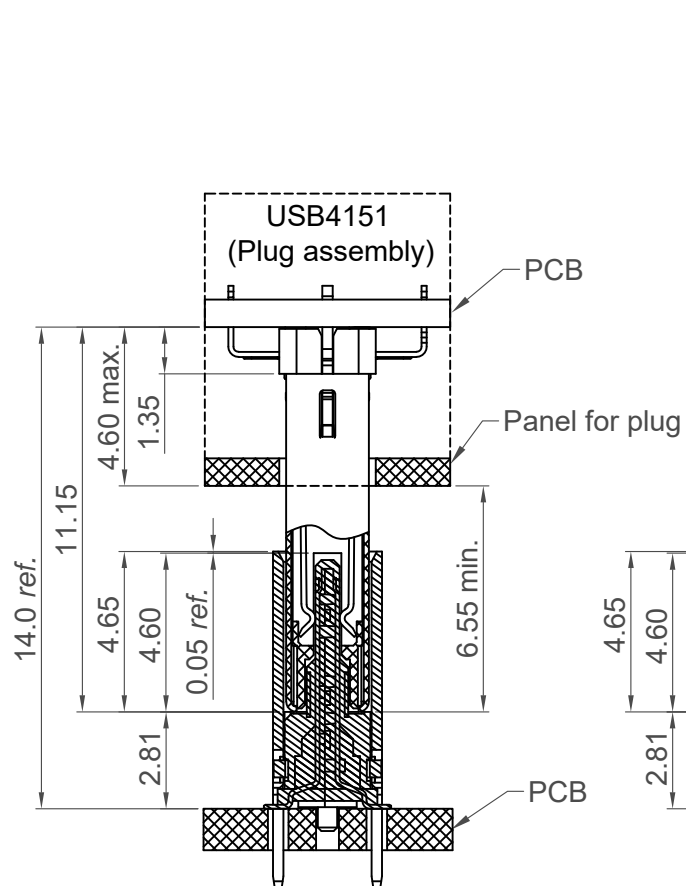
Part Number		Product Description		
USB4160		USB3.2 Gen2, Type C Receptacle, Vertical, SMT,		
Drawing Date		H=7.46mm, 24 Pin		
28th June 2022				
By	CC	Tolerances (Except as Noted)	Units:	
Detail	Drawing Release	Length	Metric (mm)	
Revision	A2	Angle		
Date	31/01/23	X.X ± 0.30	 3rd Angle Projection	
		X.XX ± 0.20		
		X.XXX ± 0.10		
				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
		 www.gct.co		
		Not to Scale	Drawn By CC	Sheet No. 1/4

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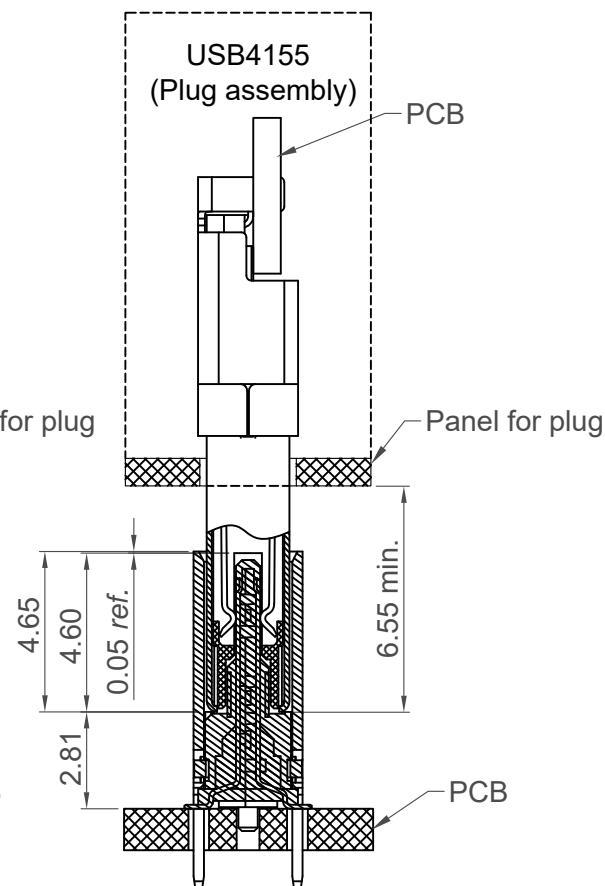




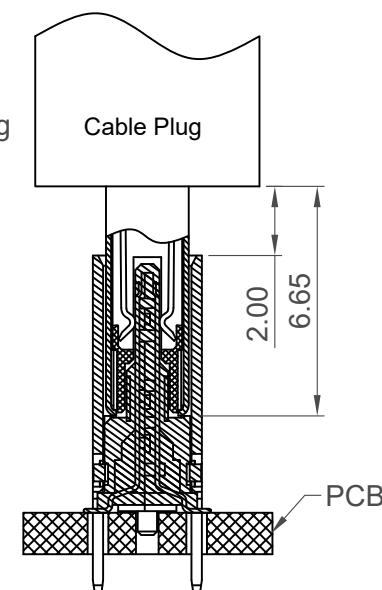
Cap Information



USB4160  
(Receptacle assembly)







USB4160  
(Receptacle assembly)

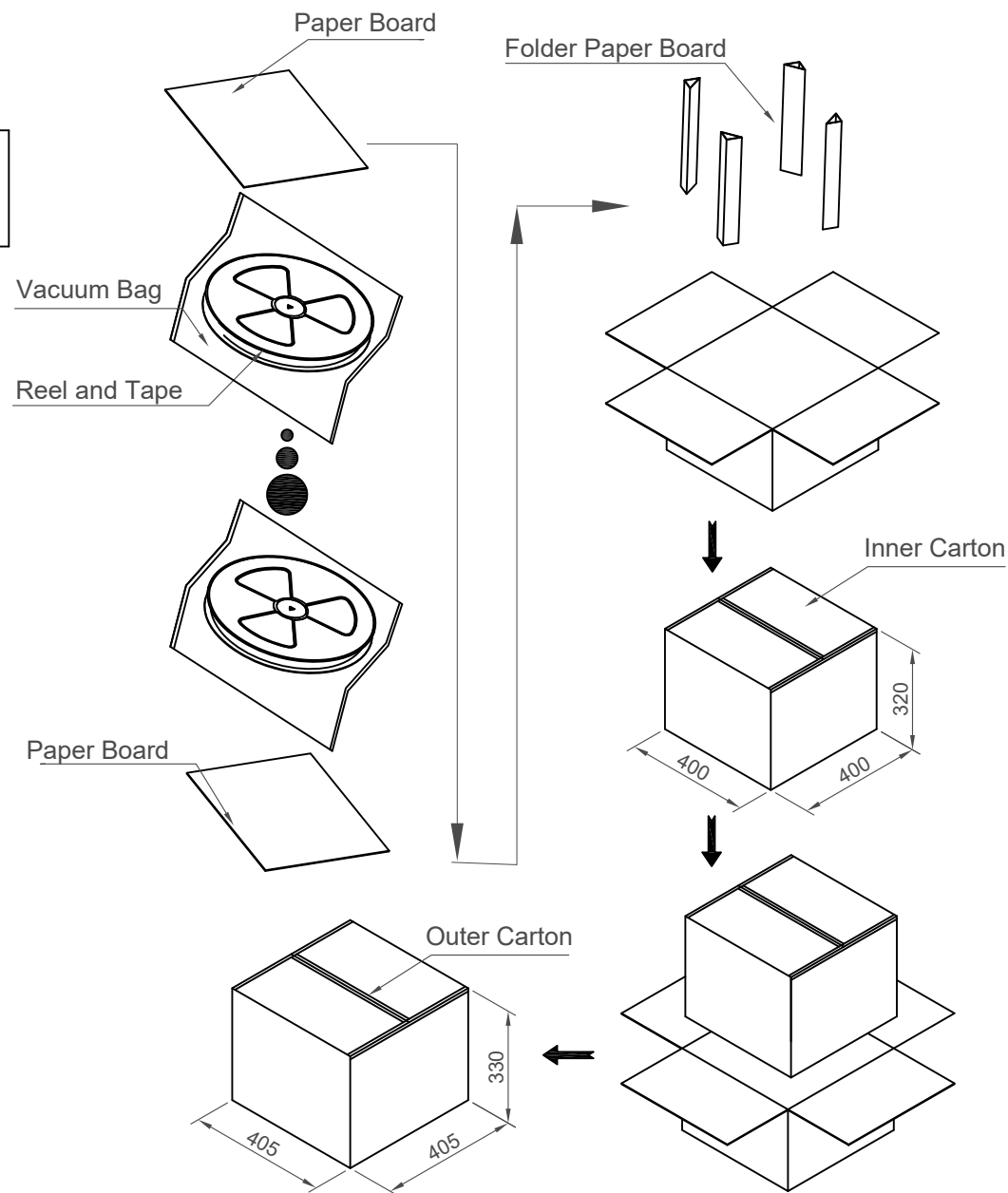
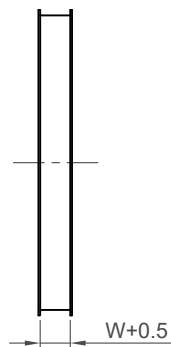
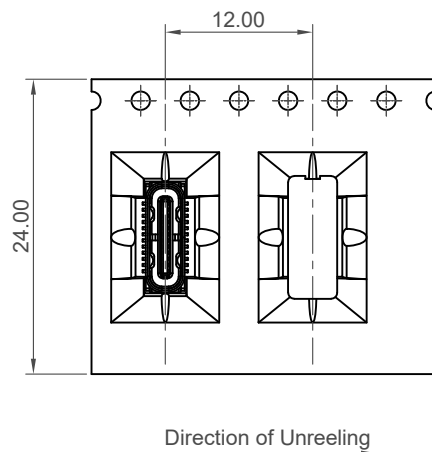
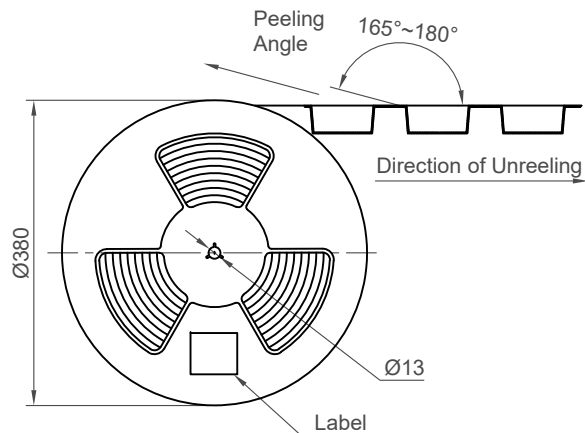
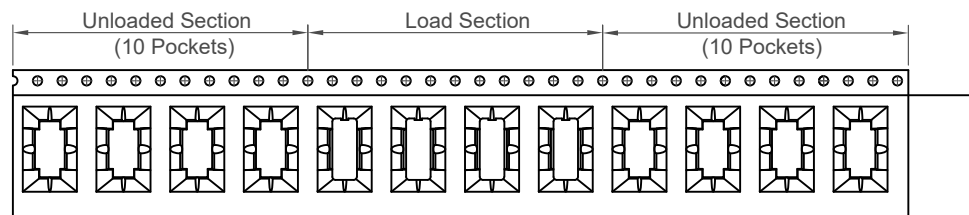


USB4160  
(Receptacle assembly)

Plug and Receptacle Mating View

Part Number		Product Description	
USB4160		USB3.2 Gen2, Type C Receptacle, Vertical, SMT,	
Drawing Date		H=7.46mm, 24 Pin	
28th June 2022			
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A2	X.X ± 0.30	 3rd Angle Projection
Date	31/01/23	X.XX ± 0.20	
		X.XXX ± 0.10	
			
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		Sheet No. 3/4	

H  
G  
F  
E  
D  
C  
B  
A



Part Number	Pcs / Reel	Reels / Carton	Total Quantity
USB4160-03-0070-C	700	10	7,000 pcs
USB4160-03-0170-C	600	10	6,000 pcs
USB4160-03-0230-C	600	10	6,000 pcs

Part Number		Product Description	
USB4160		USB3.2 Gen2, Type C Receptacle, Vertical, SMT, H=7.46mm, 24 Pin	
Drawing Date		28th June 2022	
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length Angle	Metric (mm)
Revision	A2	X.X ± 0.30	
Date	31/01/23	X.XX ± 0.20	
		X.XXX ± 0.10	

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