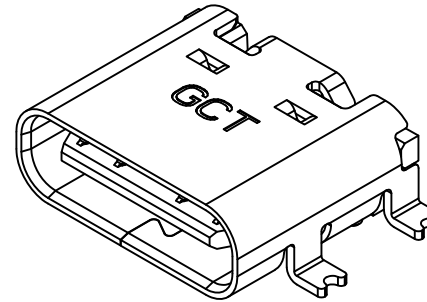


**Recommended PCB Layout**  
As viewed from component side Tolerance:  $\pm 0.05\text{mm}$   
 Solder Area Component Outline



Pin	Signal	Mating Sequence	Pin	Signal	Mating Sequence
A1	GND	First	B12	GND	First
A4	V <sub>bus</sub>	First	B9	V <sub>bus</sub>	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	B5	CC2	Second
A9	V <sub>bus</sub>	First	B4	V <sub>bus</sub>	First
A12	GND	First	B1	GND	First
SHELL	GND		SHELL	GND	

#### Specifications

##### Material

Insulator: High Temp. Plastic UL 94V-0, Black  
 Contact: Copper Alloy  
 Shell: Stainless steel  
 Mid Plate: Stainless Steel

##### Plating

Contact: Gold Flash over  $50\mu\text{m}$  min. Nickel  
 Solder Tails: Gold Flash over  $50\mu\text{m}$  min. Nickel  
 Shell:  $50\mu\text{m}$  min. Nickel

##### Electrical

Current Rating: 5.00A collectively for V<sub>bus</sub> pins  
 6.25A collectively for GND pins  
 1.25A for 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, 1 minute

Insulation Resistance: 100MΩ min

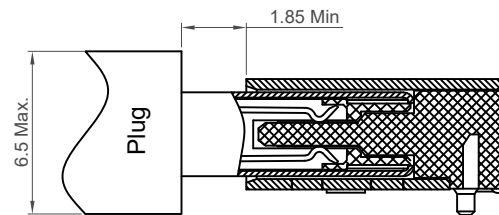
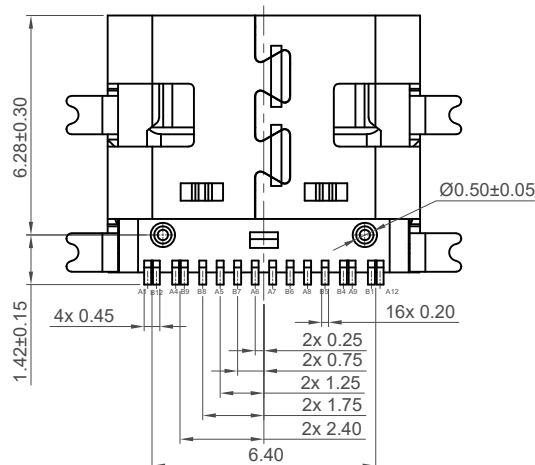
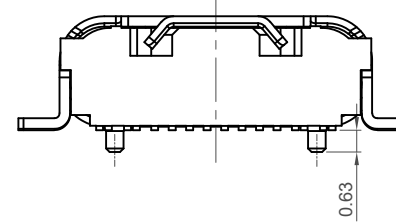
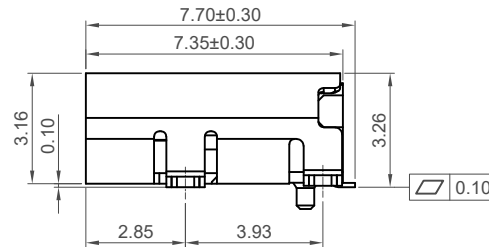
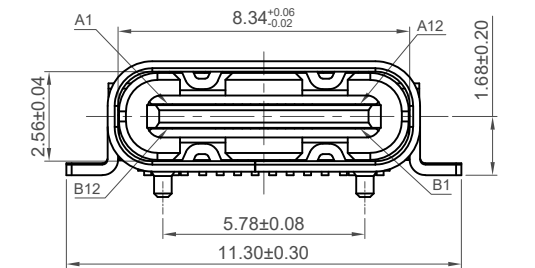
##### Mechanical & Environmental

Operating Temperature:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$

Mating Force: 5 to 20 N.

Unmated Force: 6 to 20 N after test

Durability: 10,000 cycles






**Plug and Receptacle Mating View**

#### Ordering Grid

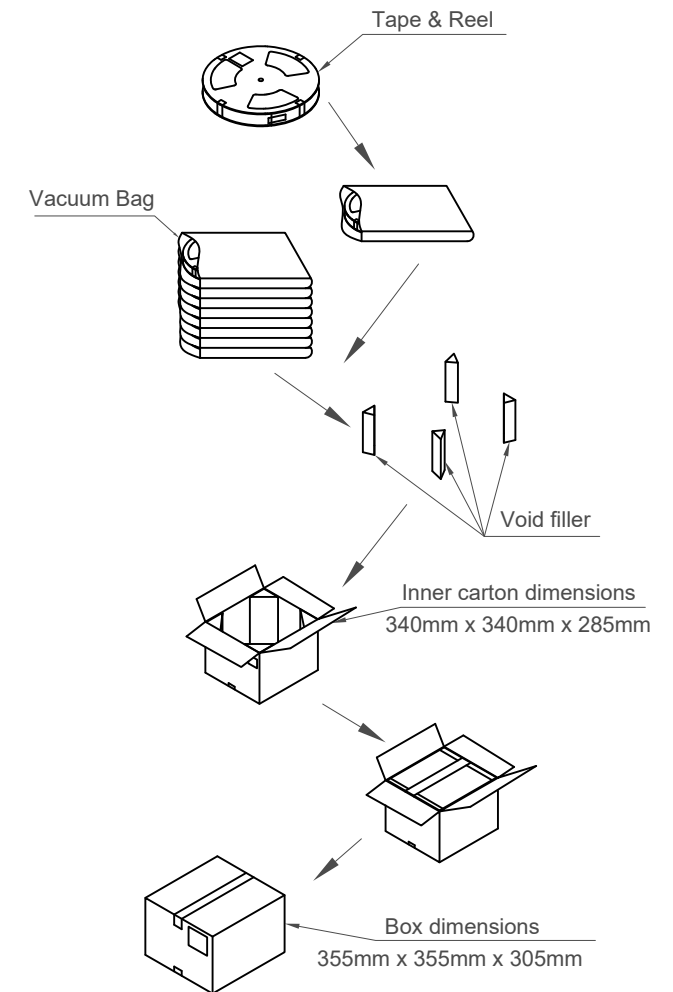
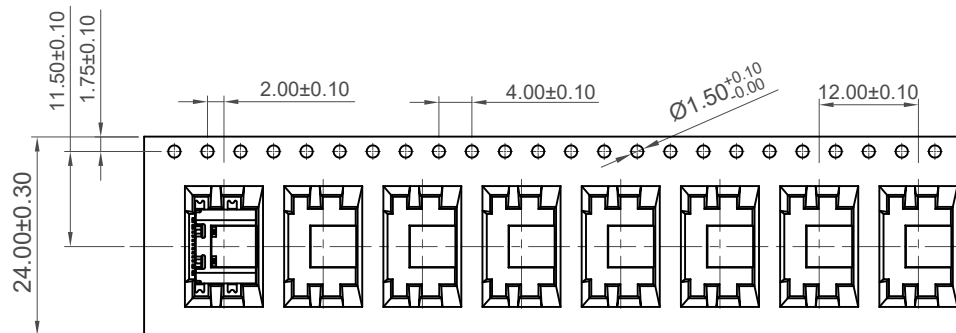
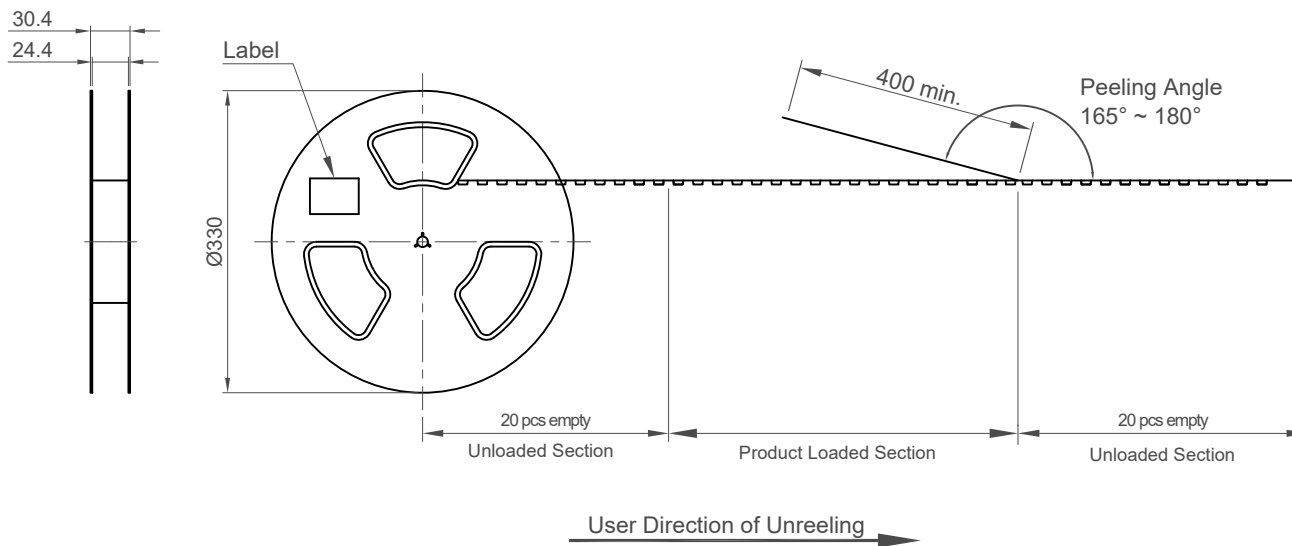
**USB4110** - **GF** - **A**

Contact Plating  
GF = Gold Flash

Packing Options  
A = Tape & Reel  
(1,200 per reel)

Part Number		Product Description		<div> www.gct.co</div>	
USB4110		USB Type C Receptacle for USB 2.0			
Drawing Date		SMT Type, PCB Top Mount			
10th July 2019					
By	CC	Tolerances (Except as Noted)		Units:	<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>
Detail	USB4110 B PCN	Length	Angle	Metric (mm)	
		<div> 3rd Angle Projection</div>			
Revision	B1	$\pm 2^{\circ}$			
Date	07/07/21				

**GCT**  
www.gct.co



#### Notes:

Peeling off force of top tape: 0.1-1.3N (Peeling direction as shown)

#### Materials:





Carrier Tape: Polystyrene (PS)

Top Tape: PE

Reel Tape: Polystyrene (PS)

Bag: PE

Pcs / Reel	Reels / Carton	Total Quality
1200	9	10800 pcs

Part Number		Product Description			 www.gct.co		
USB4110		USB Type C Receptacle for USB 2.0 SMT Type, PCB Top Mount					
Drawing Date							
10th July 2019							
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	USB4110 B PCN	Length X. ± 0.50 X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10	Metric (mm)				
Revision	B1	± 2°	 3rd Angle Projection				
Date	07/07/21						
					Not to Scale	Drawn By CC	Sheet No. 2/2

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