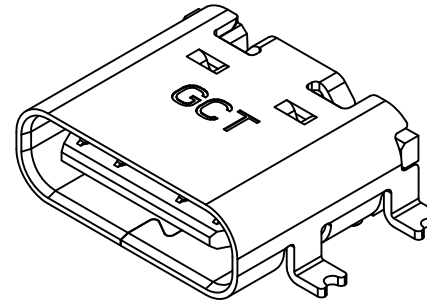


Recommended PCB Layout
As viewed from component side Tolerance: $\pm 0.05\text{mm}$
 Solder Area Component Outline



Pin	Signal	Mating Sequence	Pin	Signal	Mating Sequence
A1	GND	First	B12	GND	First
A4	V _{bus}	First	B9	V _{bus}	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 _{bus}	First	B4	V _{bus}	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_{bus} 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

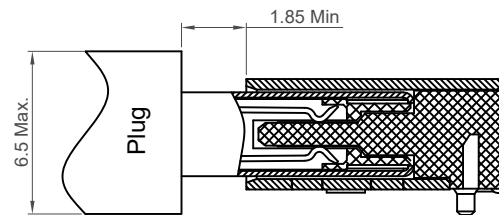
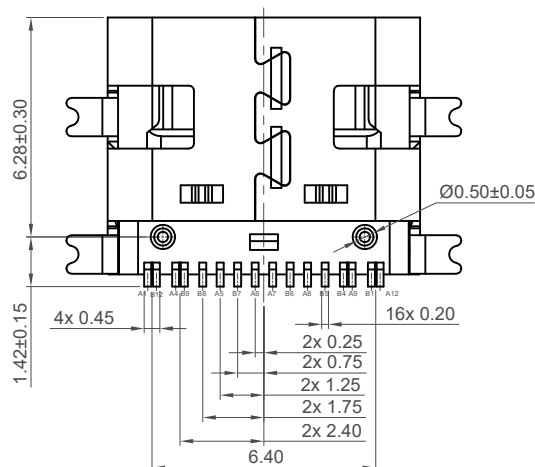
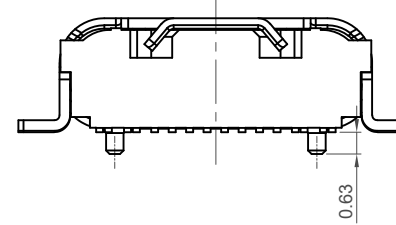
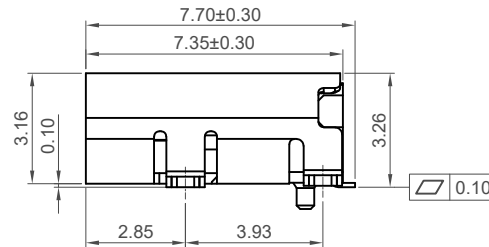
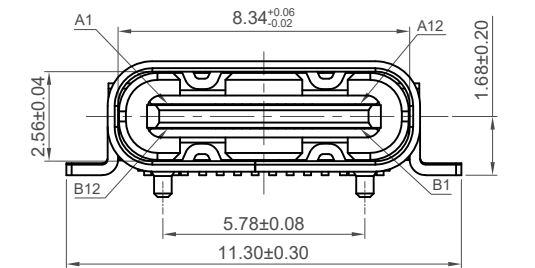
Mechanical & Environmental

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

Mating Force: 5 to 20 N.

Unmated Force: 6 to 20 N after test





Durability: 10,000 cycles



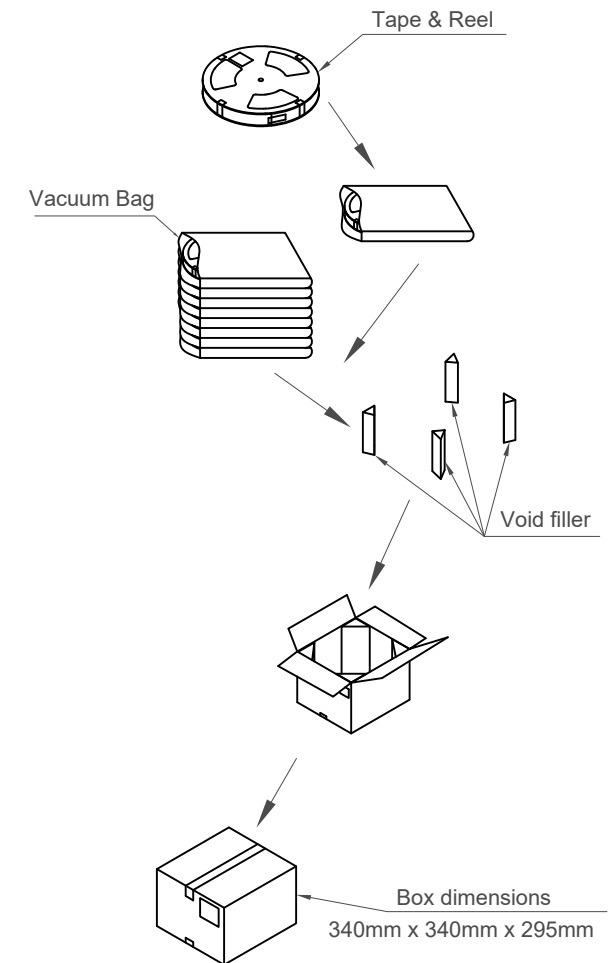
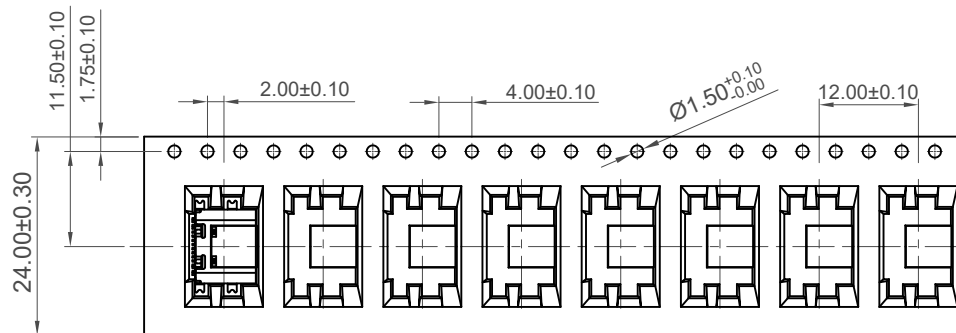
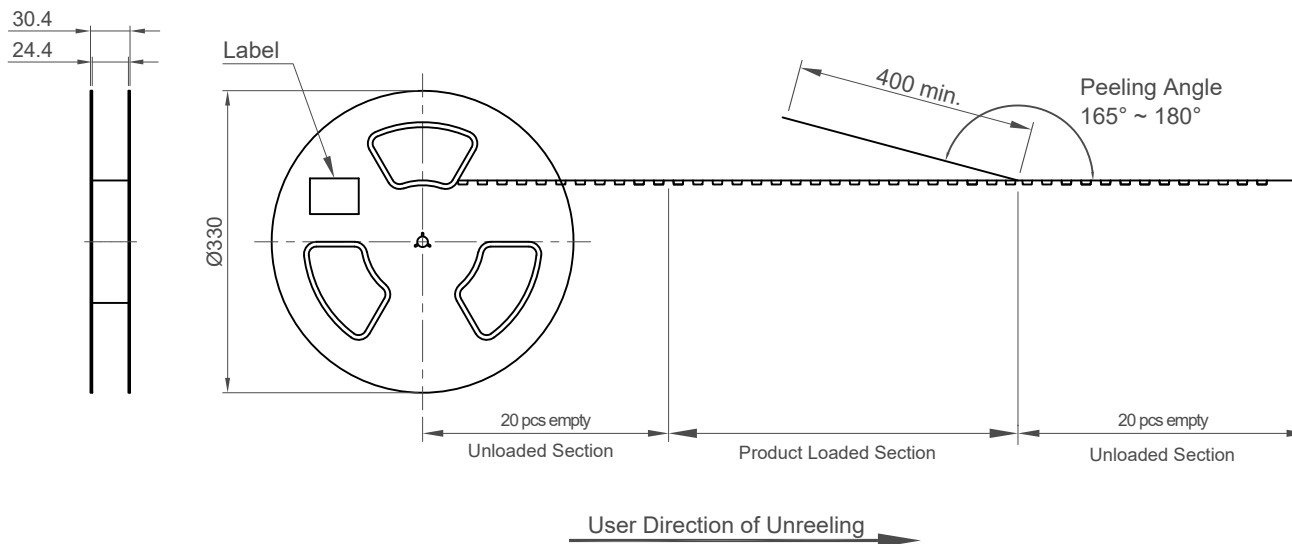
Plug and Receptacle Mating View

Ordering Grid

USB4110 - **GF** - **A**
 Contact Plating
 GF = Gold Flash
 Packing Options
 A = Tape & Reel
 (1,200 per reel)

Part Number		Product Description			 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	B2	$\pm 2^\circ$	 3rd Angle Projection		
Date	27/12/21				
Not to Scale		Drawn By CC		Sheet No. 1/2	

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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	Not to Scale	Drawn By CC	Sheet No. 2/2
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	Angle	Metric (mm)				
Revision	B2	$\pm 2^\circ$		 3rd Angle Projection				
Date	27/12/21							
		X. ± 0.50						
		X.X ± 0.30						
		X.XX ± 0.20						
		X.XXX ± 0.10						

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