

Pin	Signal	Mating Sequence	Pin	Signal	Mating Sequence
A1	GND	First	B12	GND	First
A4	Vbus	First	B9	Vbus	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	Vbus	First	B4	Vbus	First
A12	GND	First	B1	GND	First
SHELL		GND	SHELL		GND

**Recommended PCB Layout**  
As viewed from component side Tolerance: ±0.05mm

**Specifications**

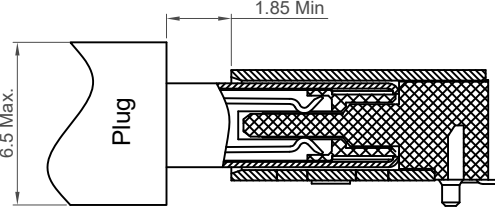
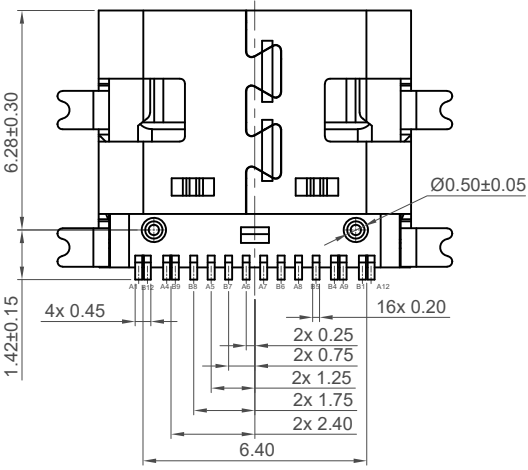
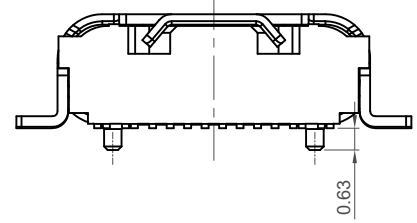
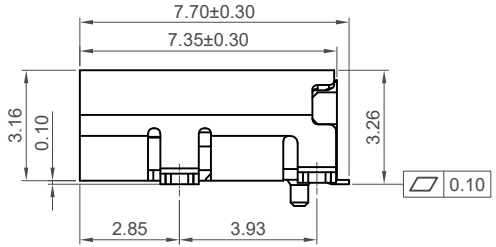
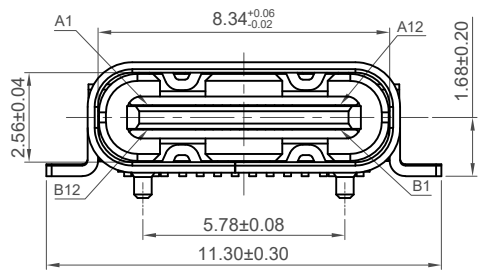
**Material**  
 Insulator: High Temp. Plastic UL 94V-0, Black  
 Contact: Copper Alloy  
 Shell: Stainless steel  
 Mid Plate: Stainless Steel

**Plating**  
 Contact: Gold Flash over 50µ" min. Nickel  
 Solder Tails: Gold Flash over 50µ" min. Nickel  
 Shell: 50µ" min. Nickel

**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, 1 minute  
 Insulation Resistance: 100MΩ min

**Mechanical & Environmental**  
 Operating Temperature: -40°C to +85°C  
 Mating Force: 5 to 20 N.  
 Unmated Force: 6 to 20 N after test  
 Durability: 10,000 cycles



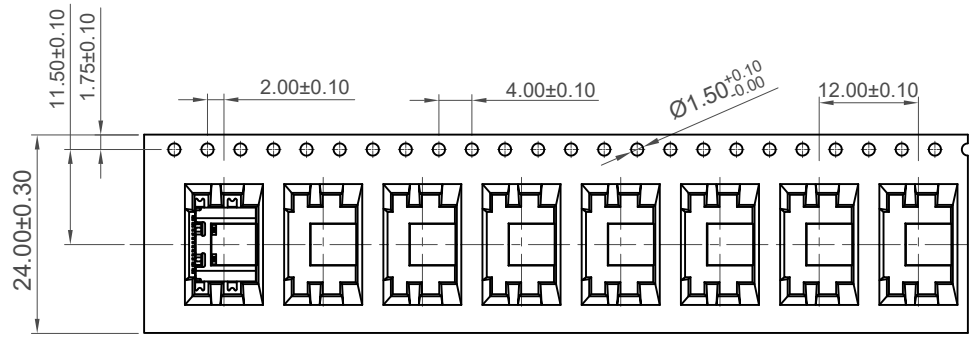
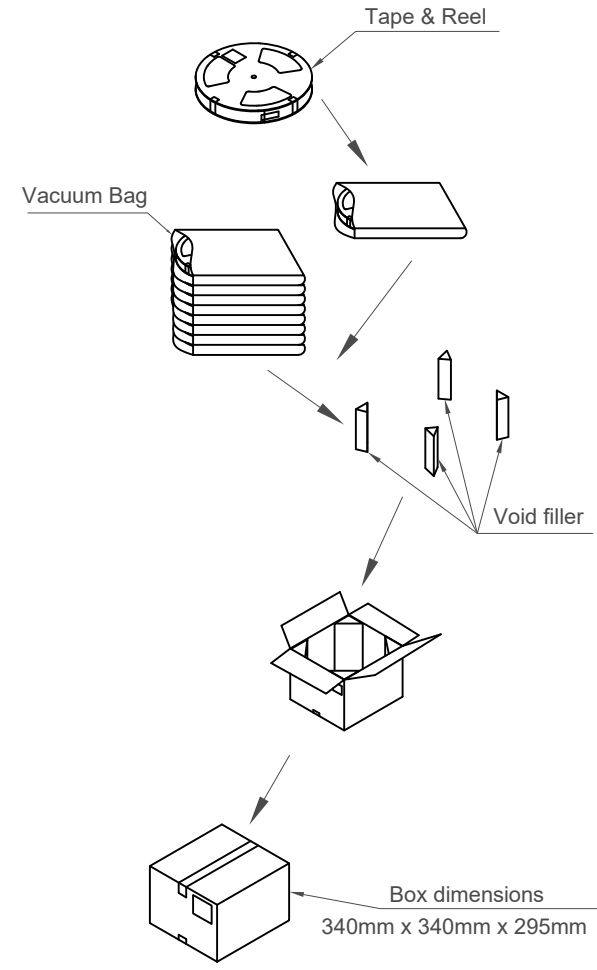
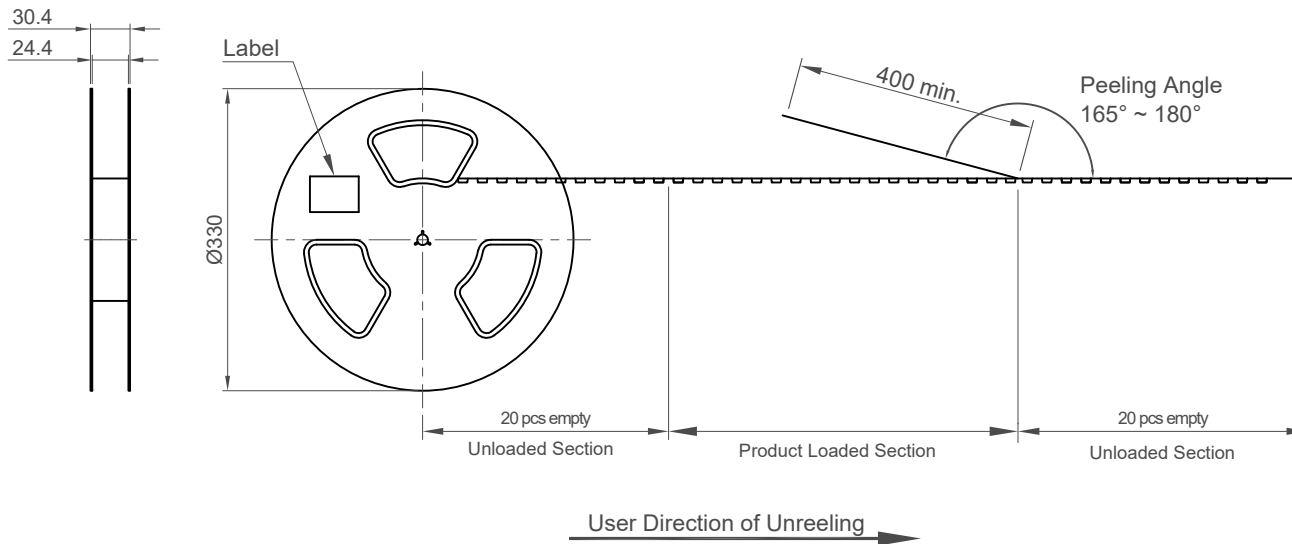
**Plug and Receptacle Mating View**

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

Part Number		Product Description	
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:
Detail	USB4110	Length	Metric (mm)
	B PCN	X. ± 0.50	
Revision	B3	X.X ± 0.30	
Date	22/03/23	X.XX ± 0.20	
		X.XXX ± 0.10	
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**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	
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:
Detail	USB4110	Length	Metric (mm)
	B PCN	X. ± 0.50	± 2°
Revision	B3	X.X ± 0.30	
Date	22/03/23	X.XX ± 0.20	
		X.XXX ± 0.10	



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