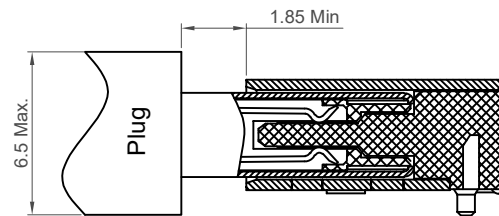
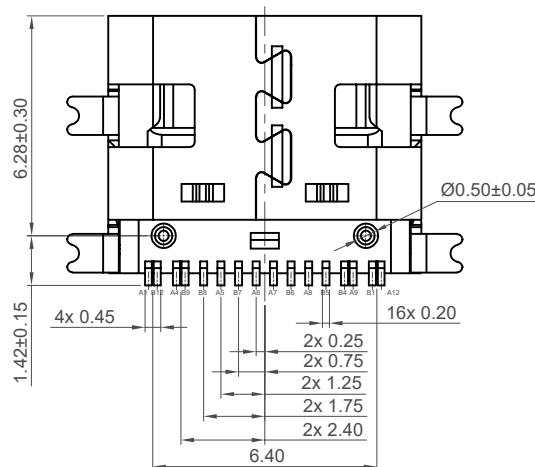
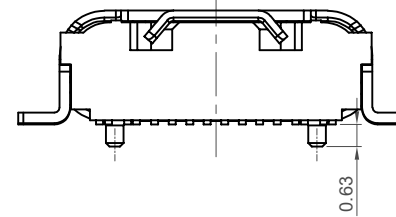
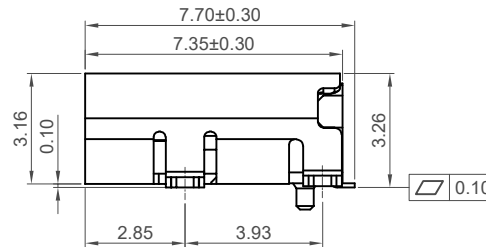
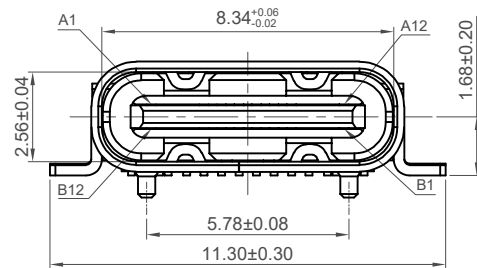






**Recommended PCB Layout**  
As viewed from component side Tolerance:  $\pm 0.05\text{mm}$   
 Solder Area Component Outline



**Plug and Receptacle Mating View**

#### Ordering Grid

**USB4940** - **00** - **A**   
**Packing Options**  
 A = Tape & Reel  
 (1,200 per reel)

Part Number			Product Description			<div> www.gct.co</div> <div>Not to Scale</div> <div>Drawn By CC</div> <div>Sheet No. 1/2</div>		
USB4940			USB Type C Receptacle for USB 2.0					
Drawing Date			SMT Type, PCB Top Mount					
8th December 2025								
By	CC	Tolerances (Except as Noted)		Units:	<div></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>			
		Length		Metric (mm)				
Detail	Drawing Release	Angle		<div></div> <div>3rd Angle Projection</div>				
		$\pm 2^\circ$						
Revision	A							
Date	08/12/25							
		X. $\pm 0.50$ X.X $\pm 0.30$ X.XX $\pm 0.20$ X.XXX $\pm 0.10$						

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

#### Specifications

##### Material

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

##### Plating

Contact:  
 Contact Area: Gold  
 Solder Tails: Gold  
 Underplating: 50 $\mu$ " min. Nickel  
 Shell: 50 $\mu$ " min. Nickel

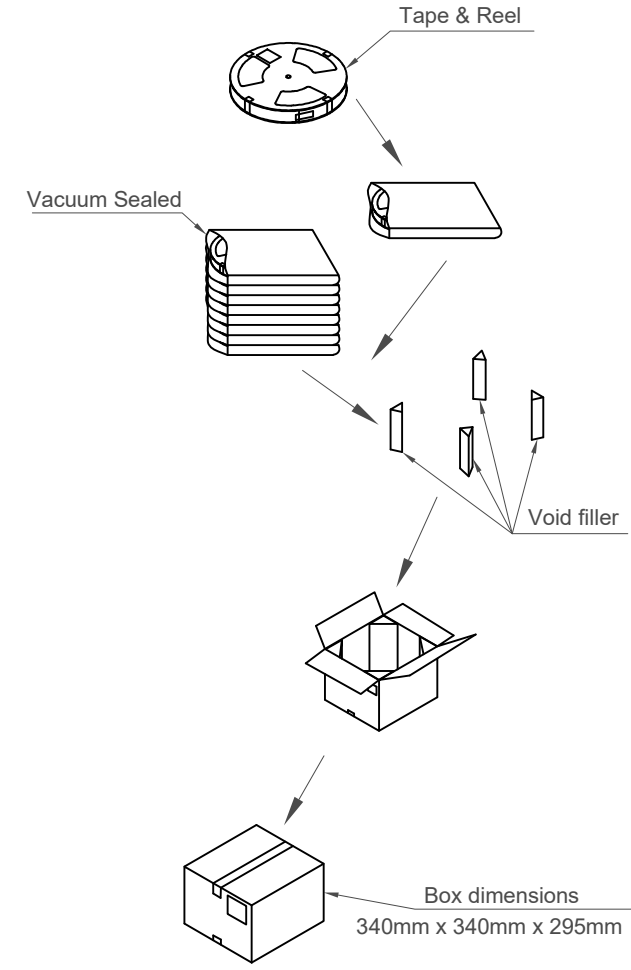
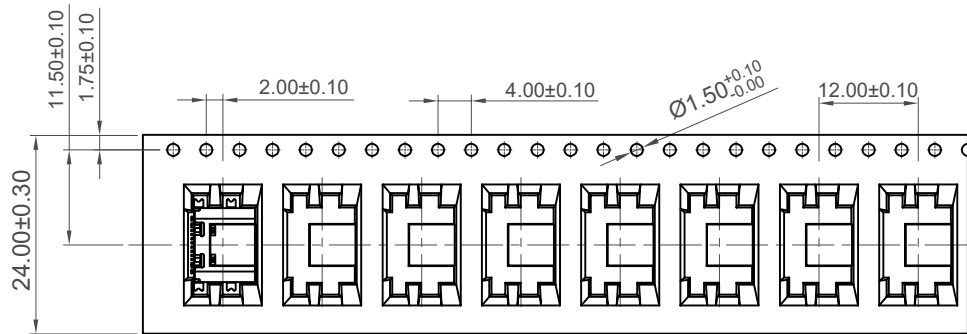
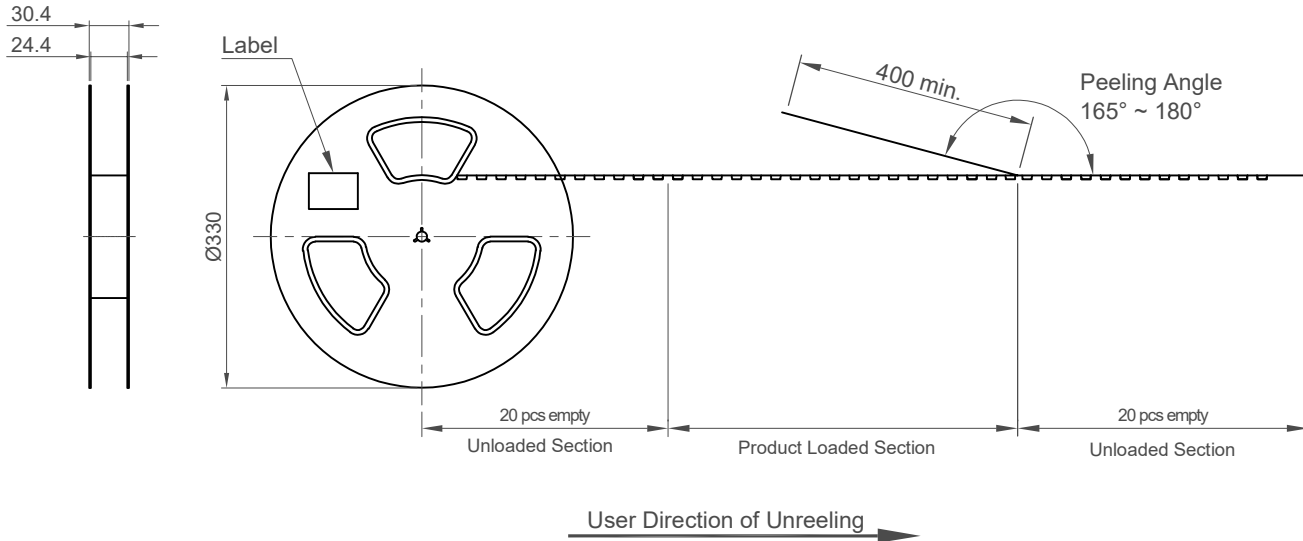
##### Electrical

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: 40m $\Omega$  max initial.  
 50m $\Omega$  max after test  
 Dielectric Withstanding Voltage: 100V AC, 1 minute  
 Insulation Resistance: 100M $\Omega$  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




H  
G  
F  
E  
D  
C  
B  
A



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

Materials:  
Carrier Tape: Polystyrene (PS)  
Top Tape: Polyethylene (PE)  
Reel Tape: Polystyrene (PS)  
Bag: Polyethylene (PE)

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

Part Number USB4940		Product Description USB Type C Receptacle for USB 2.0 SMT Type, PCB Top Mount		 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
Drawing Date 8th December 2025	By CC	Tolerances (Except as Noted) Length X. $\pm 0.50$ X.X $\pm 0.30$ X.XX $\pm 0.20$ X.XXX $\pm 0.10$	Units: Metric (mm) 		
Detail	Drawing Release				
Revision	A				
Date	08/12/25				
Not to Scale		Drawn By CC	Sheet No. 2/2		