

## Specifications

### Material

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

### Plating

Contact:  
Contact Area: Gold  
Solder Tails: Gold  
Underplating: 50µ" min. Nickel  
Shell: 30µ" min. Nickel  
Mid 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

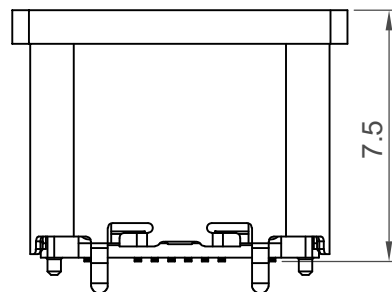
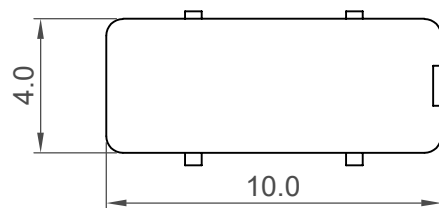
Durability: 10,000 cycles

### Ordering Grid

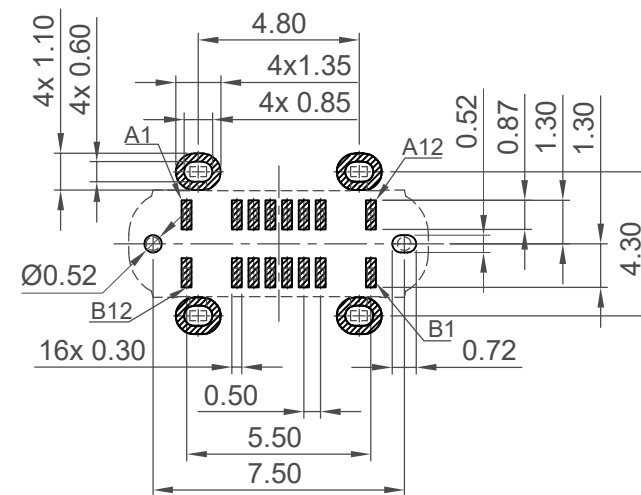
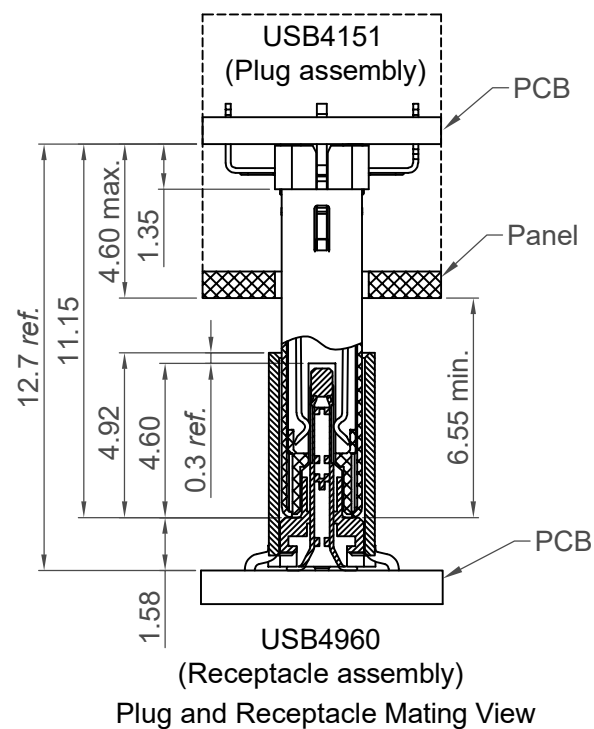
USB4960 - 00 - C [Request Samples and Quotation](#)  
Packing Options  
C = Tape & Reel with Cap  
(600 per reel)

Part Number		Product Description				<div> www.gct.co</div>		
USB4960		USB 2.0 Type C Receptacle, 16contacts, Vertical, SMT, H=6.5mm						
Drawing Date								
8th December 2025								
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	Drawing Release	Length	Angle	Metric (mm)				
Revision	A	X.X ± 0.30	-	<div> 3rd Angle Projection</div>				
Date	08/12/25	X.XX ± 0.25		<div> RoHS COMPLIANT 2011/65/EU Decide-IDE</div>				
		X.XXX ± 0.10						
						Not to Scale	Drawn By CC	Sheet No. 1/3

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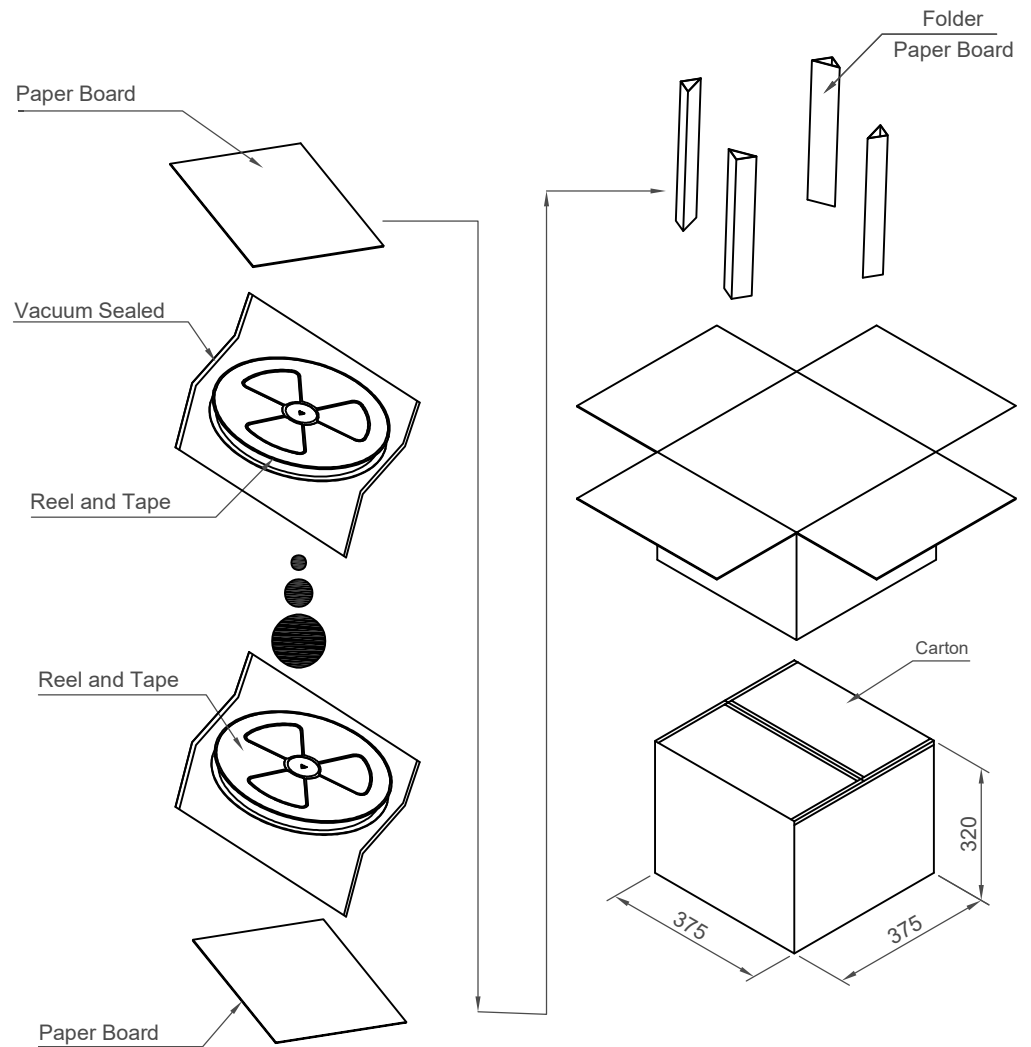
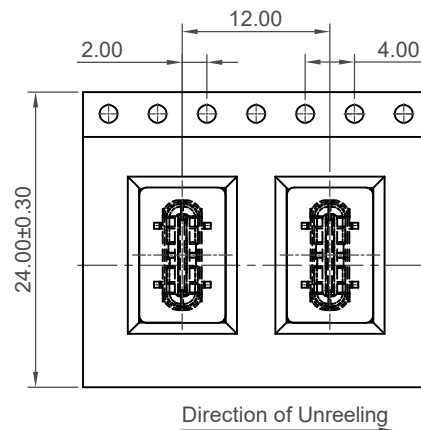
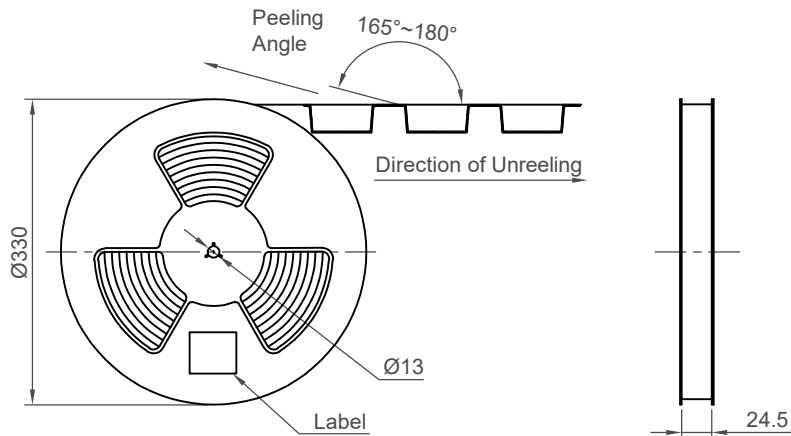
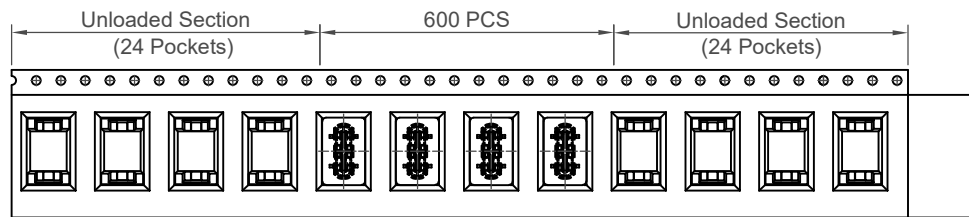
Cap Information



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

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Date	08/12/25	X.XXX $\pm$ 0.10			
				Not to Scale	Drawn By CC
				Sheet No. 2/3	

H  
G  
F  
E  
D  
C  
B  
A



Pcs / Reel	Reels / Carton	Total Quantity
600	10	6,000 pcs

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