

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: 50 μ " min. Nickel
 Shell: 30 μ " 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: 40m Ω max initial.
 50m Ω max after test

Dielectric Withstanding Voltage: 100V AC

Insulation Resistance 100M Ω 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

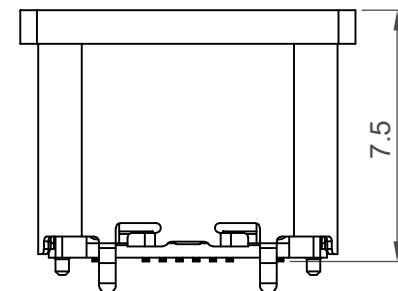
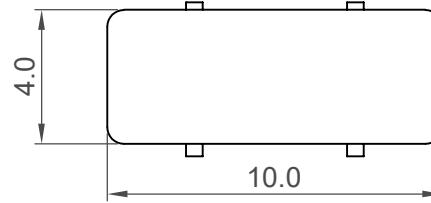
Ordering Grid

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

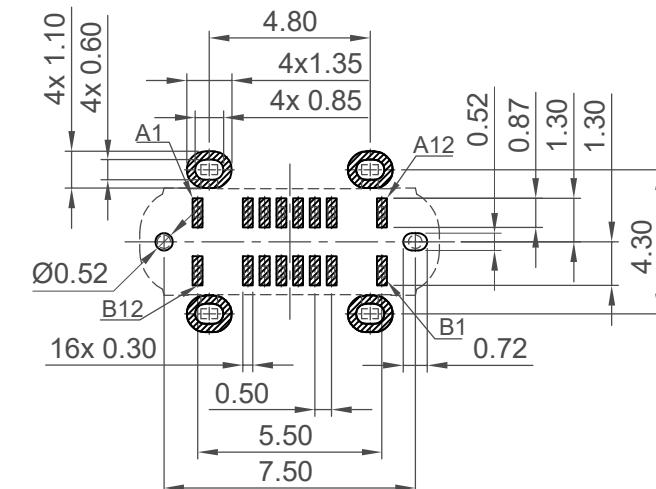
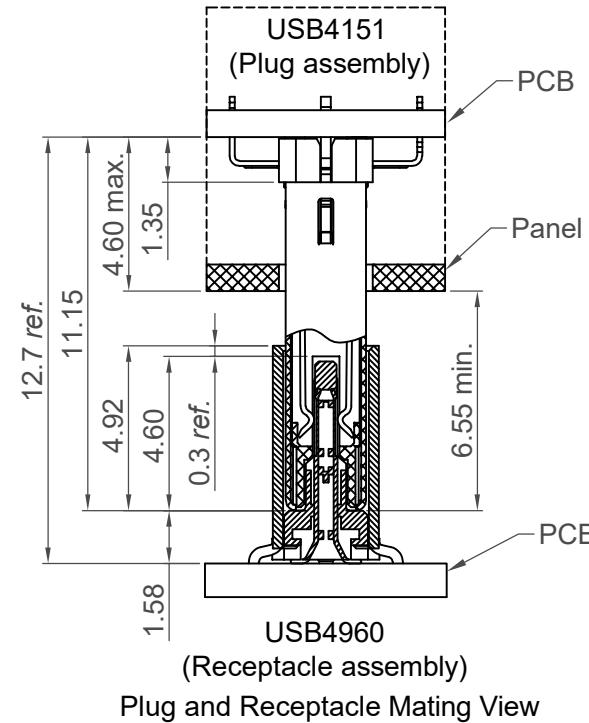
Part Number	Product Description		
USB4960	USB 2.0 Type C Receptacle, 16contacts, Vertical, SMT, H=6.5mm		
Drawing Date			
8th December 2025			
By	CC	Tolerances (Except as Noted)	
Detail	Drawing Release	Length	Angle
		X.X ± 0.30	X.XX ± 0.25
Revision	A	X.XXX ± 0.10	X.XXXX ± 0.10
Date	08/12/25		
		Metric (mm)	
		3rd Angle Projection	

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Cap Information



Recommended PCB Layout
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	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

Part Number	Product Description		
Drawing Date	USB 2.0 Type C Receptacle, 16contacts, Vertical, SMT, H=6.5mm		
8th December 2025			
By	CC	Tolerances (Except as Noted)	
Detail	Drawing Release	Length	Angle
		$X.X \pm 0.30$	-
		$X.XX \pm 0.25$	
		$XXXX \pm 0.10$	
Revision	A		
Date	08/12/25		

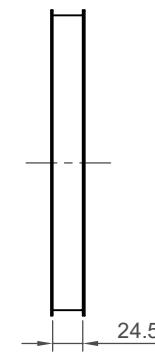
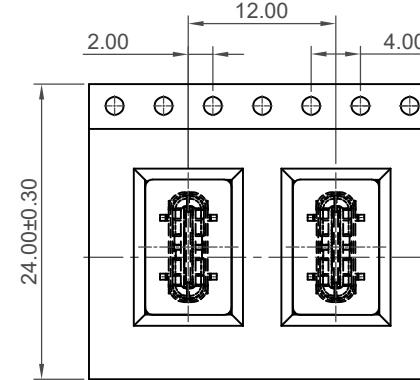
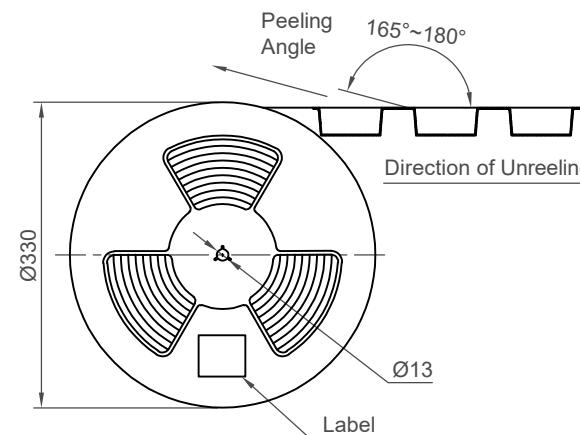
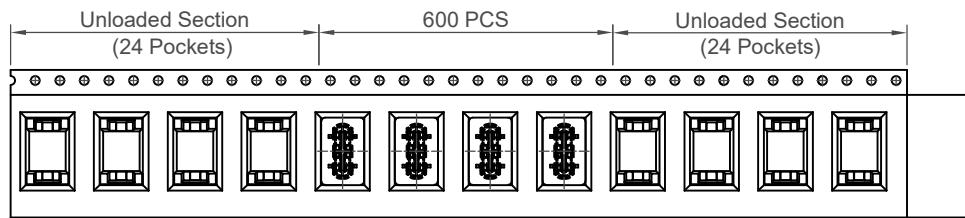
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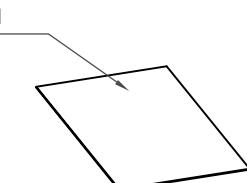
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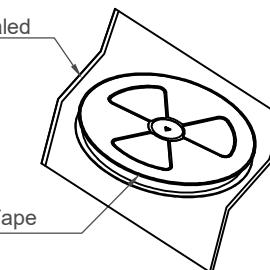




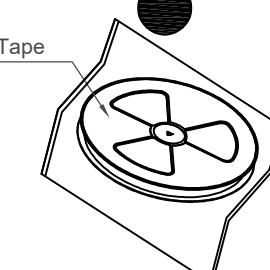
Paper Board



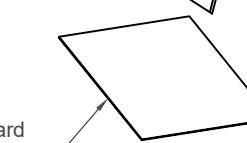
Vacuum Sealed



Reel and Tape

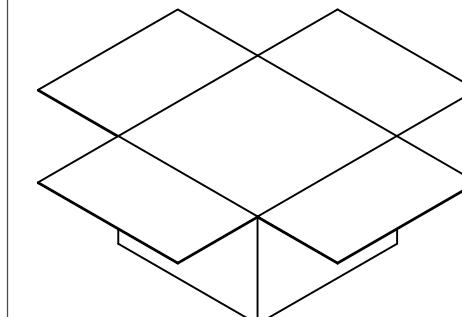


Paper Board

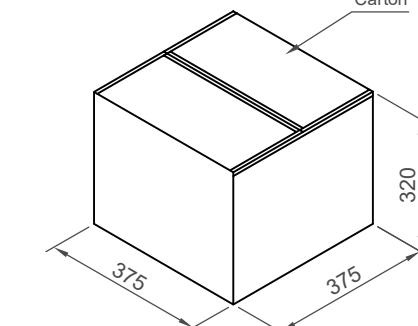


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Paper Board



Carton



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

Part Number	Product Description		
USB4960	USB 2.0 Type C Receptacle, 16contacts, Vertical, SMT, H=6.5mm		
Detail	Drawing Release	Tolerances (Except as Noted)	Units:
		Length X.X ± 0.30 XXX ± 0.25 XXXX ± 0.10	Angle Metric (mm)
Revision	Date	3rd Angle Projection	
A	08/12/25		

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