

Specifications

Material

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

Plating

Contact
 Contact Area: 3µ" Au over 50µ" min. Nickel
 Solder Tails: Gold Flash over 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

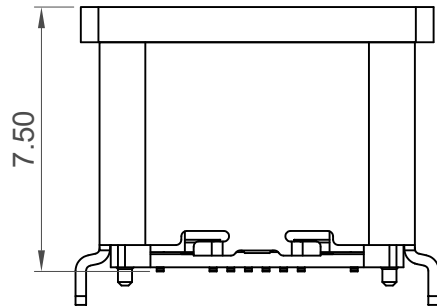
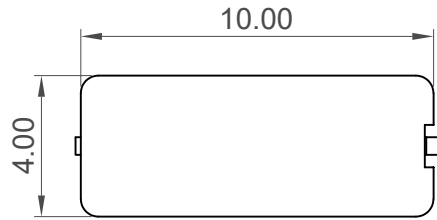
Operating Temperature: -25°C to +85°C
 Mating Force: 5 to 20 N.
 Unmated Force: 6 to 20 N after test
 Durability: 20,000 cycles

Ordering Grid

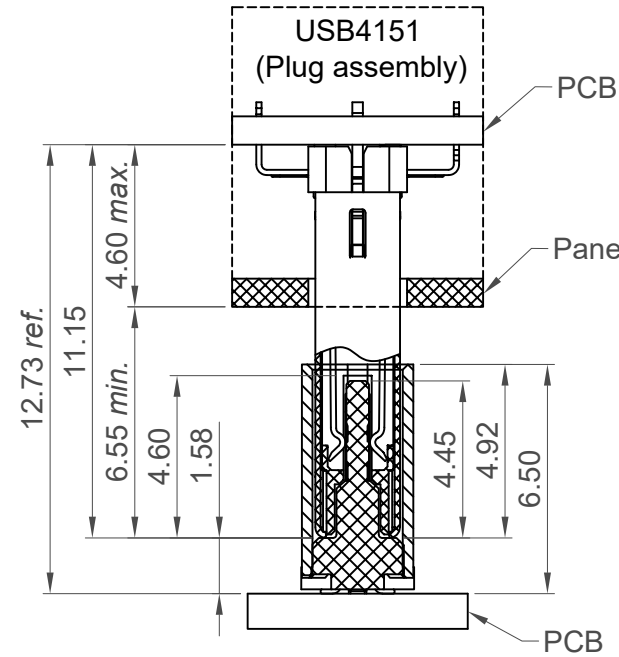
USB4235 — **03** — **C** Request Samples and Quotation

Contact Plating: 03 = 3µ" Gold
 Packing Options: C = Tape & Reel with Cap (600pcs per reel)

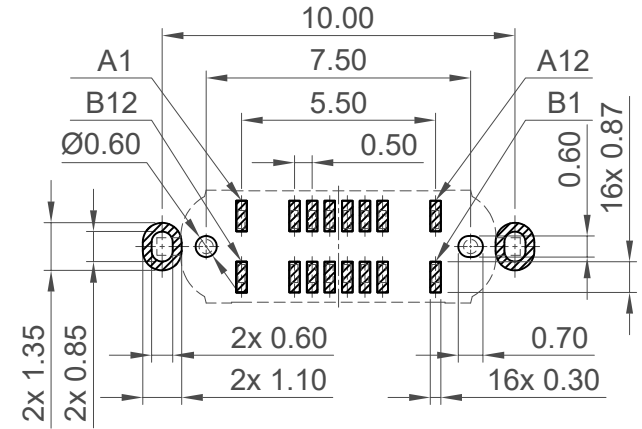
Part Number		Product Description		GCT www.gct.co			
USB4235		USB2.0 Type C Receptacle, Vertical, SMT, 16Pin					
Drawing Date		21st August 2024					
By	KY	Tolerances (Except as Noted)	Units:	 <small>This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE</small>			
Detail	Drawing Release	Length	Metric (mm)				
Revision	A	X.X ± 0.30	°				
Date	21/08/24	X.XX ± 0.25					
		X.XXX ± 0.10	3rd Angle Projection	<table border="1"> <tr> <td>Not to Scale</td> <td>Drawn By KY</td> <td>Sheet No. 1/3</td> </tr> </table>	Not to Scale	Drawn By KY	Sheet No. 1/3
Not to Scale	Drawn By KY	Sheet No. 1/3					



Cap Information



USB4235 (Receptacle)
Plug and Receptacle Mating View



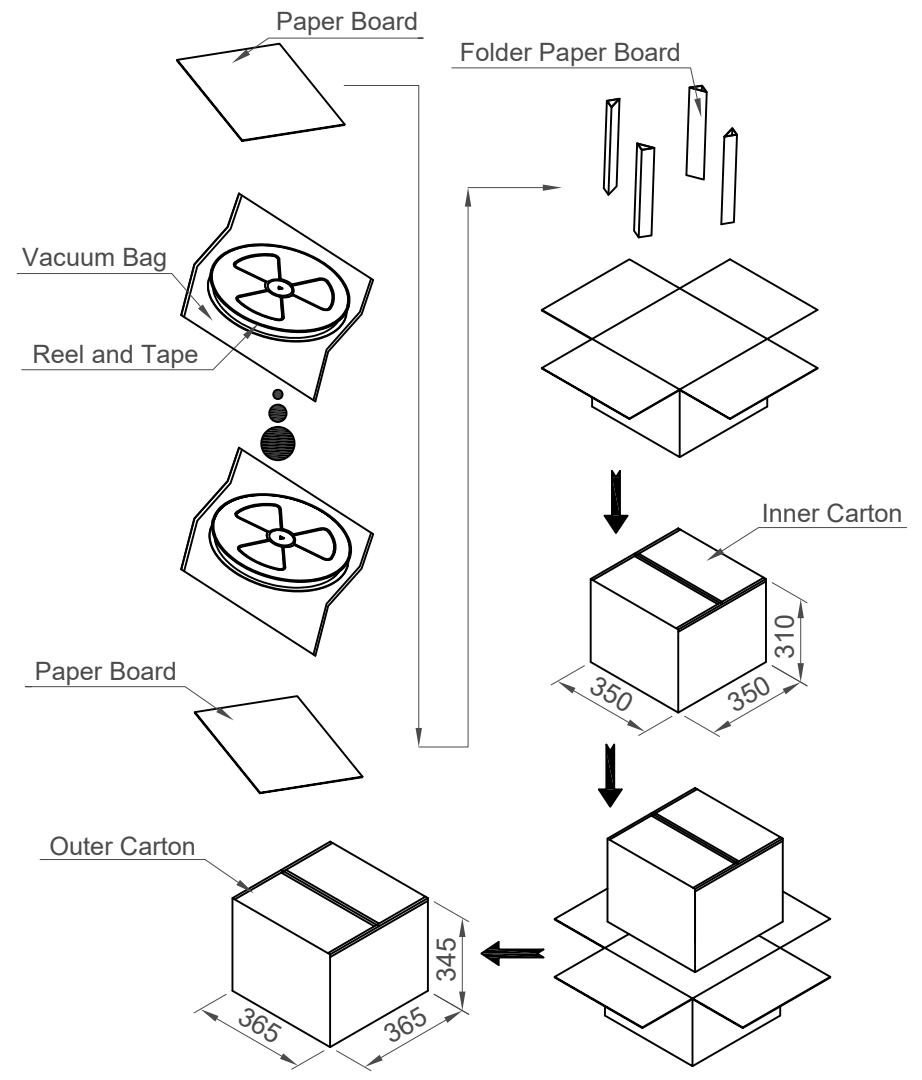
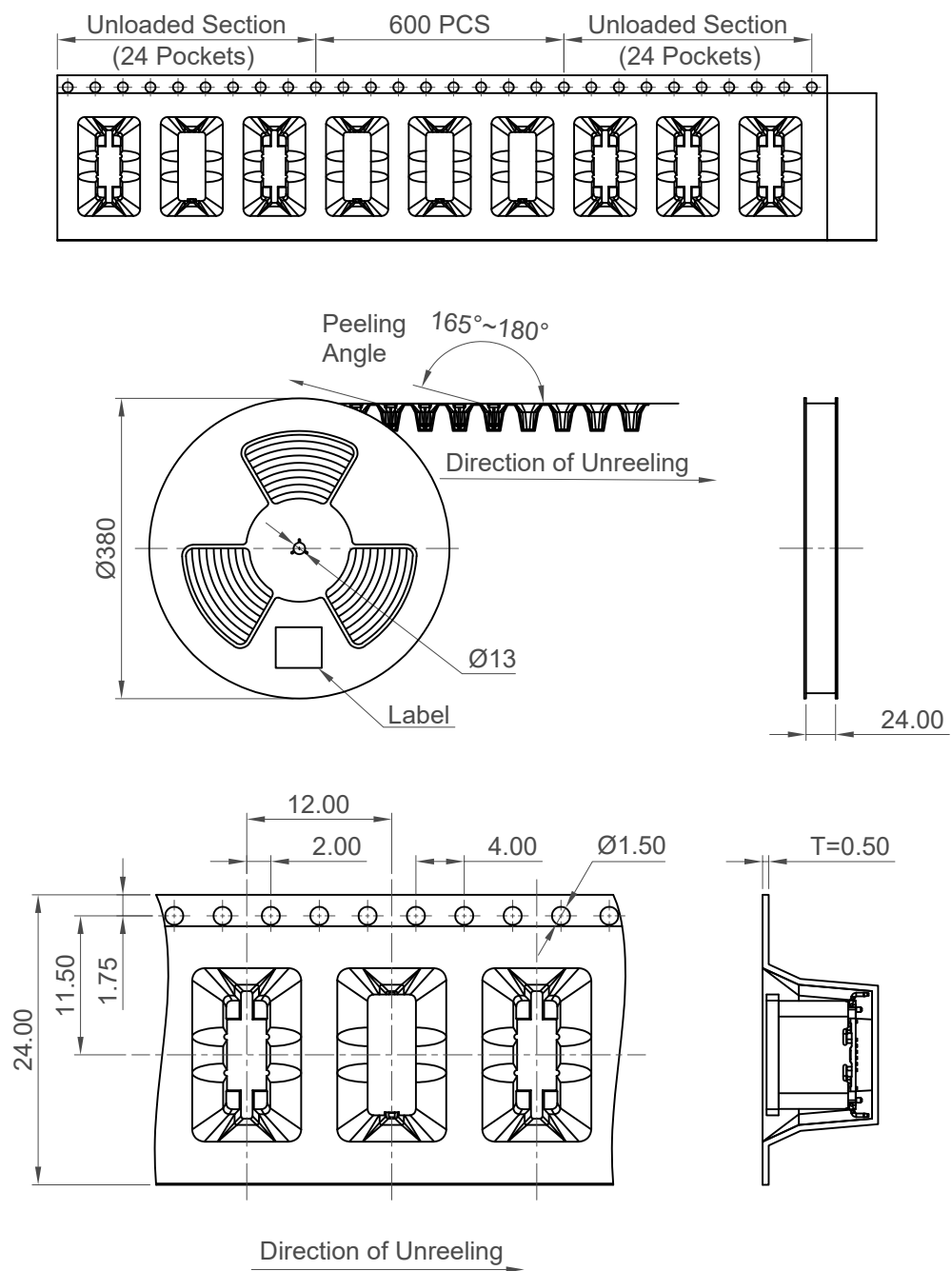
Recommended PCB Layout
Thickness 1.0±0.10mm
Tolerance: ±0.05mm

▨ 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			
USB4235		USB2.0 Type C Receptacle, Vertical, SMT, 16Pin			
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Detail	Drawing Release	Length	Angle		
Revision	A	X.X ± 0.30	-		
Date	21/08/24	X.XX ± 0.25	X.XXX ± 0.10		
Date		3rd Angle Projection		 www.gct.co	
Not to Scale		Drawn By		Sheet No.	
		KY		2/3	

H
G
F
E
D
C
B
A



Pcs / Reel	Reels /Carton	Total Quantity
600	10	6000 pcs

Part Number		Product Description	
USB4235		USB2.0 Type C Receptacle, Vertical, SMT, 16Pin	
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Detail	Drawing Release	Length	Metric (mm)
Revision	A		
Date	21/08/24		



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