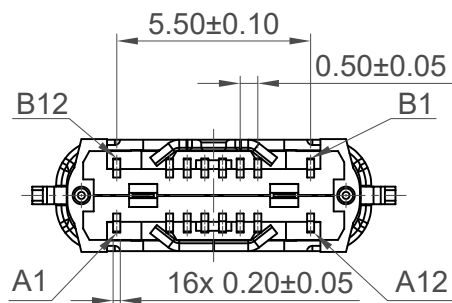
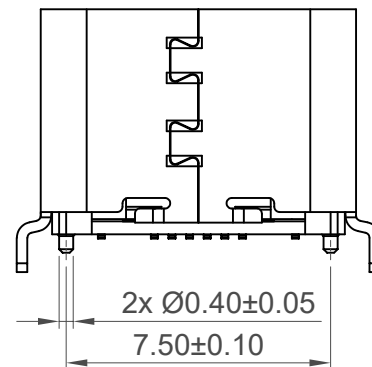
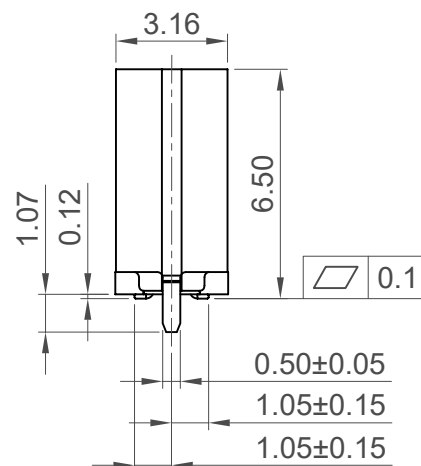
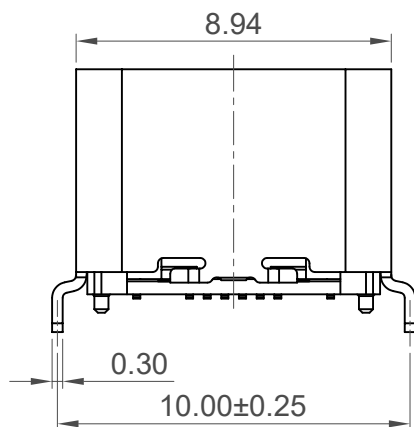
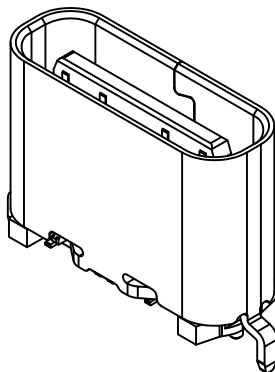
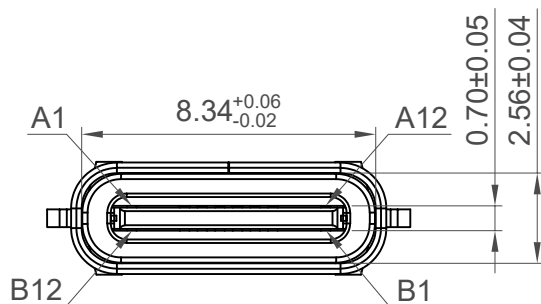




Specifications

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 V_{BUS} 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

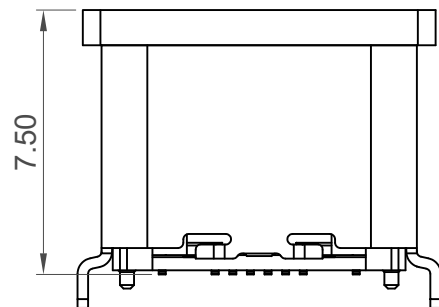
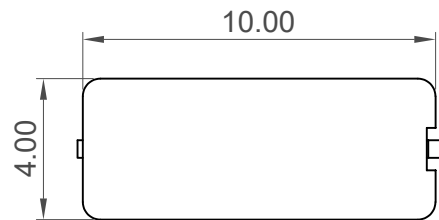
Contact Plating
03 = 3μ" Gold

Packing Options
C = Tape & Reel with Cap
(600pcs per reel)

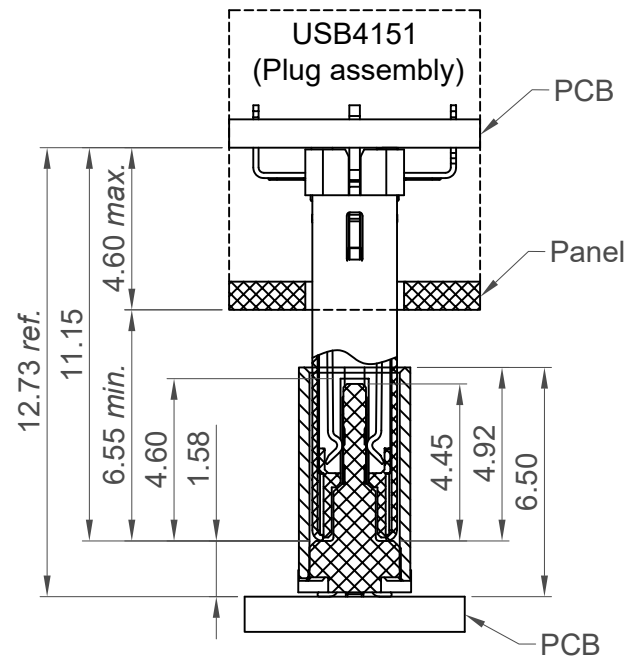
Part Number		Product Description		
USB4235		USB2.0 Type C Receptacle, Vertical, SMT, 16Pin		
Drawing Date				
21st August 2024				
By	KY	Tolerances (Except as Noted)		
Detail	Drawing Release	Length	Angle	
Revision	A	X.X ± 0.30	-	
Date	21/08/24	X.XX ± 0.25		
		X.XXX ± 0.10		
				
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		Not to Scale	Drawn By KY	
			Sheet No. 1/3	

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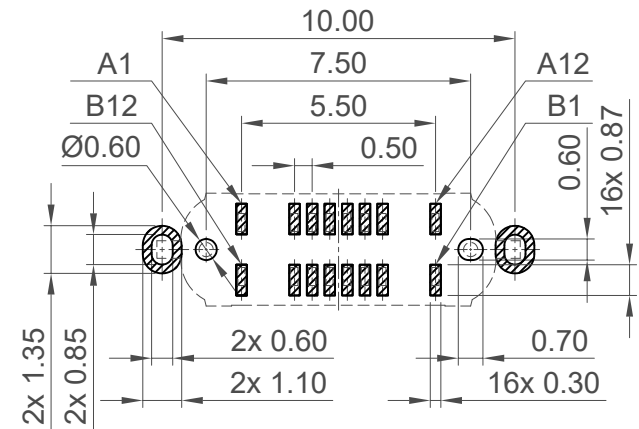
H
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F
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D
C
B
A



Cap Information



USB4235 (Receptacle)
Plug and Receptacle Mating View



Recommended PCB Layout

Thickness 1.0±0.10mm

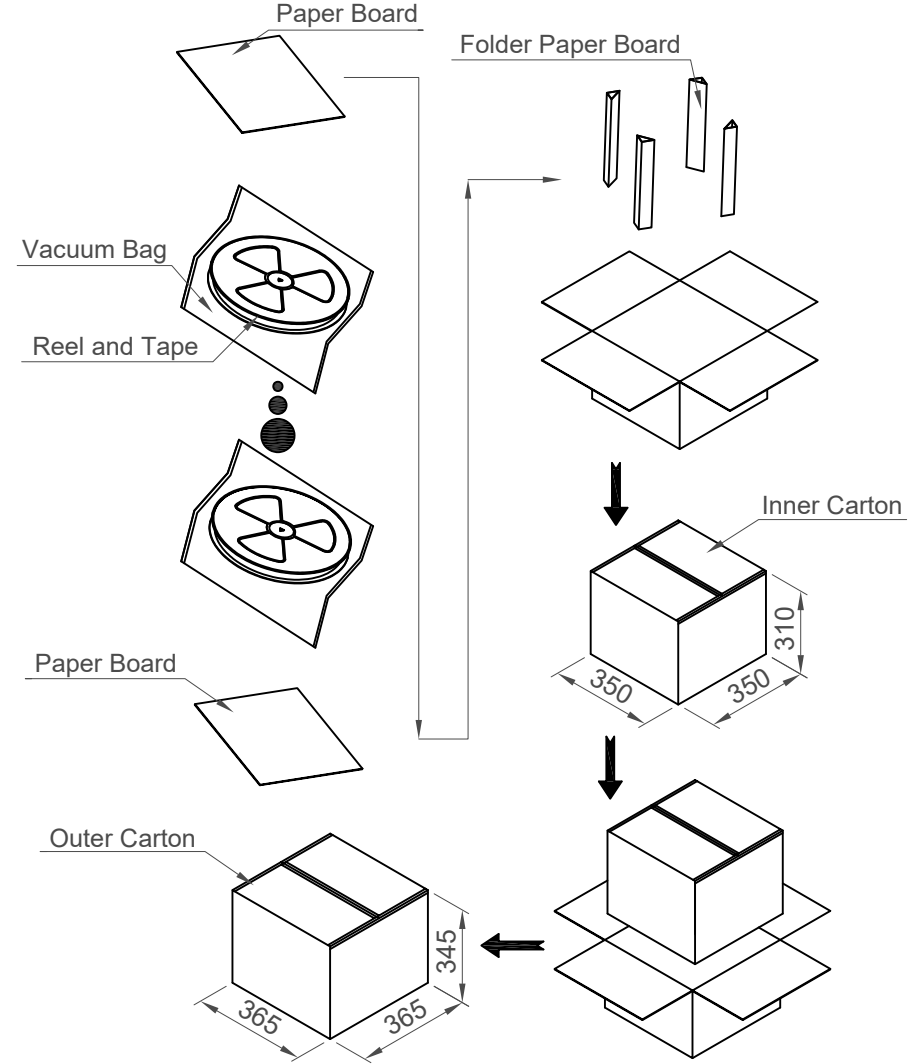
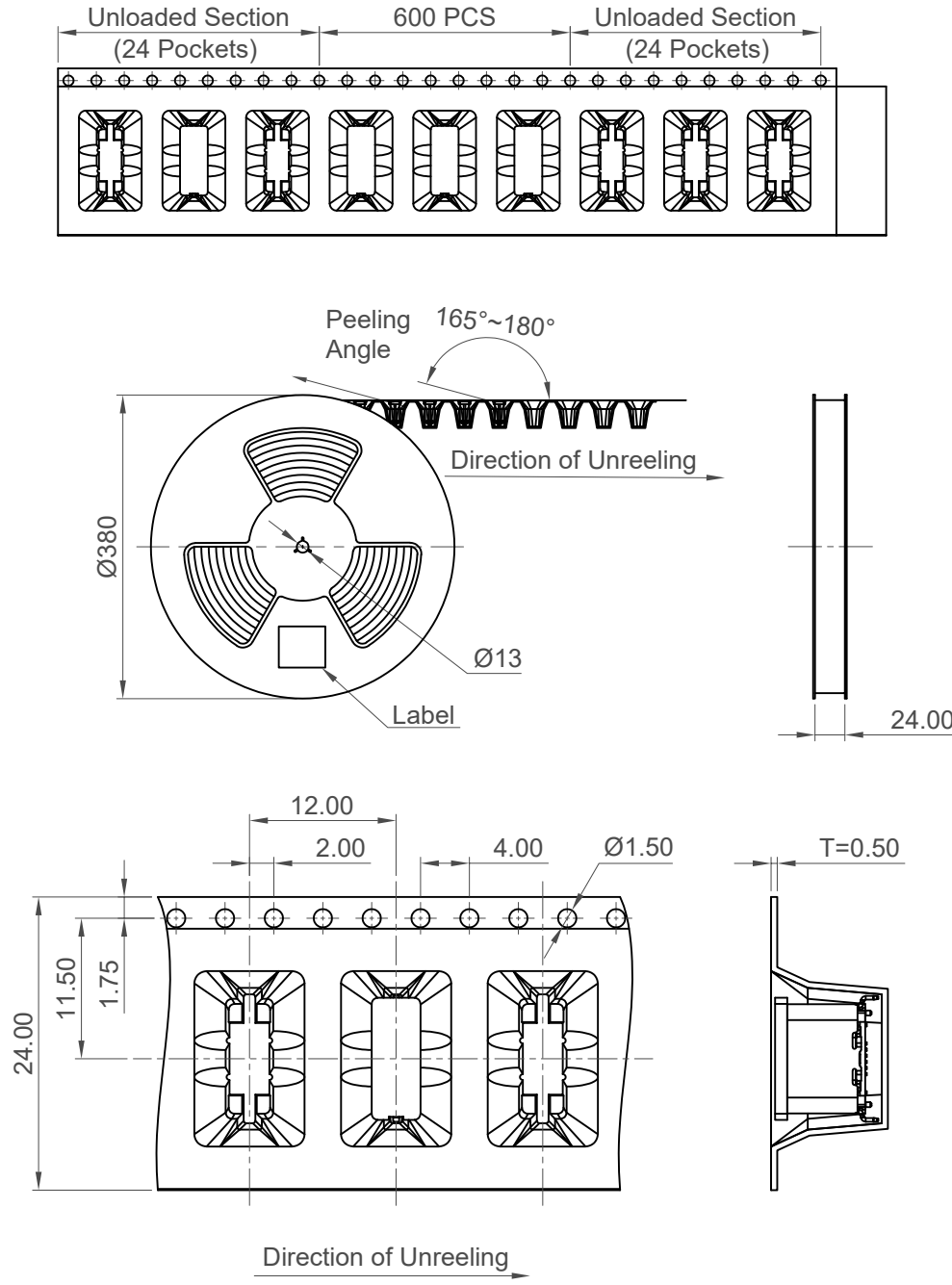
Tolerance: ±0.05mm

Solder Area Component Outline

Pin	Signal	Mating Sequence	Pin	Signal	Mating Sequence
A1	GND	First	B12	GND	First
A4	V _{BUS}	First	B9	V _{BUS}	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 _{BUS}	First	B4	V _{BUS}	First
A12	GND	First	B1	GND	First
SHELL		GND	SHELL		GND

Part Number			Product Description			 www.gct.co
USB4235			USB2.0 Type C Receptacle, Vertical, SMT, 16Pin			
Drawing Date						
21st August 2024						
By	KY	Tolerances (Except as Noted)		Units:	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 Not to Scale Drawn By KY Sheet No. 2/3	
Detail	Drawing Release	Length	Angle	Metric (mm)		
Revision	A	X.X ± 0.30 X.XX ± 0.25	-			
Date	21/08/24	X.XXX ± 0.10		3rd Angle Projection		
				RoHS COMPLIANT 2011/05/UE Dec-BDE ✓ ©		

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

Part Number USB4235		Product Description USB2.0 Type C Receptacle, Vertical, SMT, 16Pin	
Drawing Date 21st August 2024			
By KY	Drawing Release	Tolerances (Except as Noted) Length Angle	Units: Metric (mm)
Detail			
Revision A			
Date 21/08/24			



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1 2 3 4 5 6 7 8

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