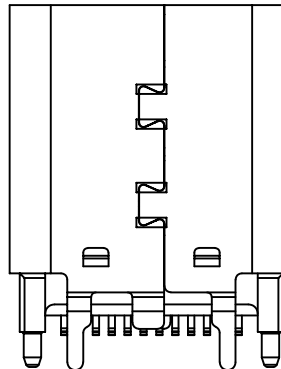
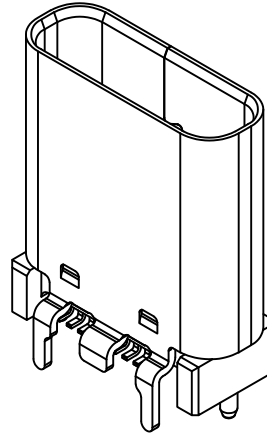


Sections: A-A

TABLE

Dimensions	
H	D
8.80	4.60
10.00	5.80
10.40	6.20



Specifications

Material

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

Plating

Contact

Contact Area: 3μ" Au over 50μ" min. Nickel
Solder Tails: Matte Tin over 50μ" min. Nickel
Shell: 30μ" min. Nickel
Mid Plate: Clear
EMI 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

USB4225 - 03 - XXXX - C [Request Samples and Quotation](#)

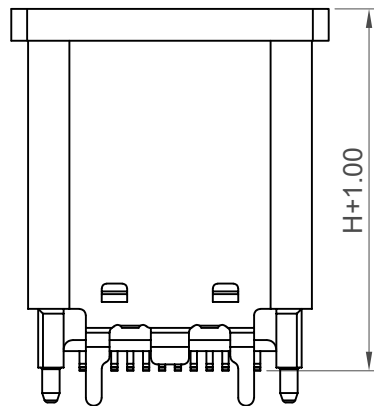
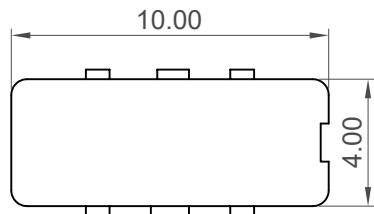
Contact Plating
03 = 3μ" Gold

Packing Options
C = Tape & Reel with Cap (450pcs per reel)

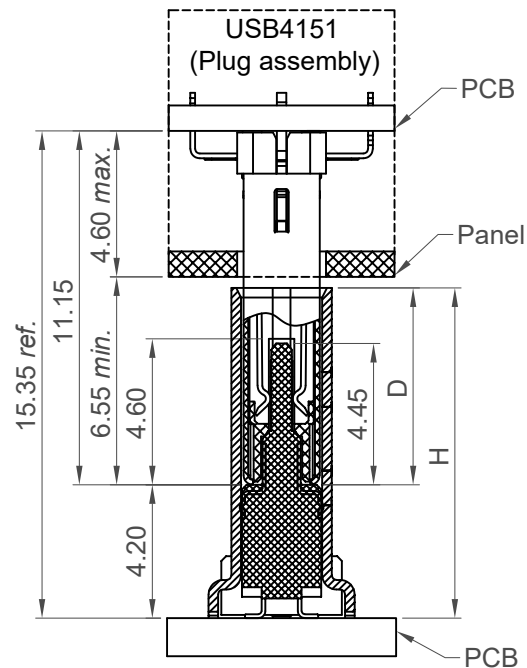
Profile Height "H"
0880=8.80mm
1000=10.00mm
1040=10.40mm

Part Number		Product Description				 www.gct.co
USB4225		USB3.2 Gen2 Type C Receptacle, Vertical, SMT, 24Pin				
Drawing Date						
27th June 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	
Detail	Drawing Release	Length	Angle	Metric (mm)		
Revision	A	X.X ± 0.30		 3rd Angle Projection		
Date	27/06/24	X.XX ± 0.25	-			
		X.XXX ± 0.10				
						

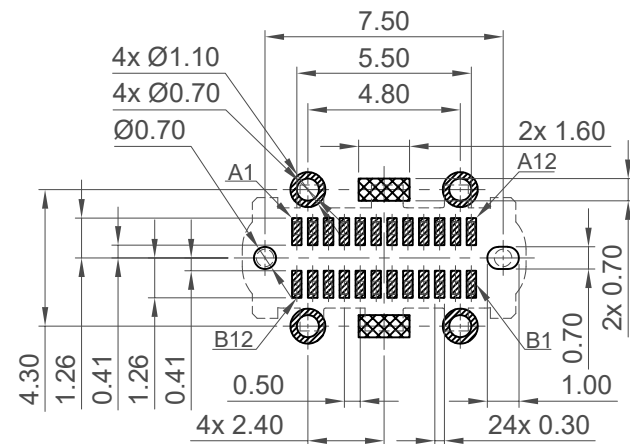
GCT
www.gct.co



Cap Information



USB4225 (Receptacle)
Plug and Receptacle Mating View



Recommended PCB Layout

Thickness 1.20±0.10mm


Tolerance: ±0.05mm

▨ Solder Area ▩ Keep Out Area □ Component Outline

Pin	Signal	Mating Sequence	Pin	Signal	Mating Sequence
A1	GND	First	B12	GND	First
A2	SSTXp1	Second	B11	SSRXp1	Second
A3	SSTXn1	Second	B10	SSRXn1	Second
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
A10	SSRXn2	Second	B3	SSTXn2	Second
A11	SSRXp2	Second	B2	SSTXp2	Second
A12	GND	First	B1	GND	First
SHELL		GND	SHELL		GND

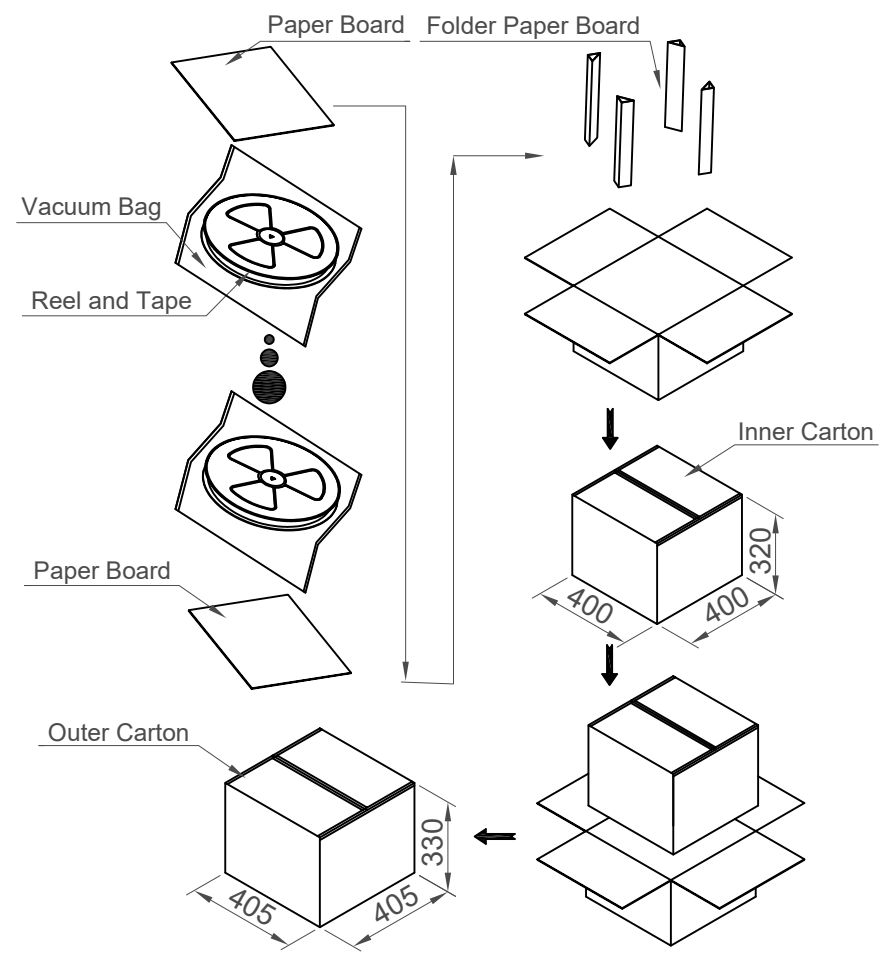
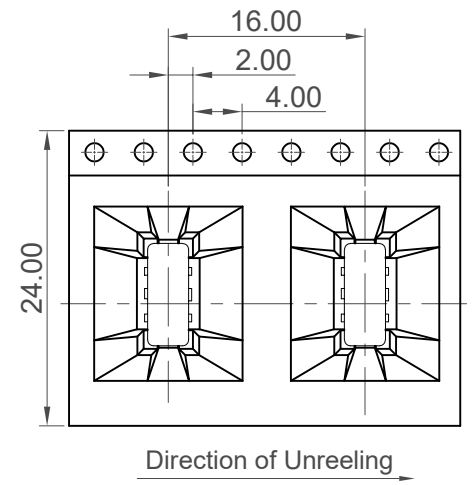
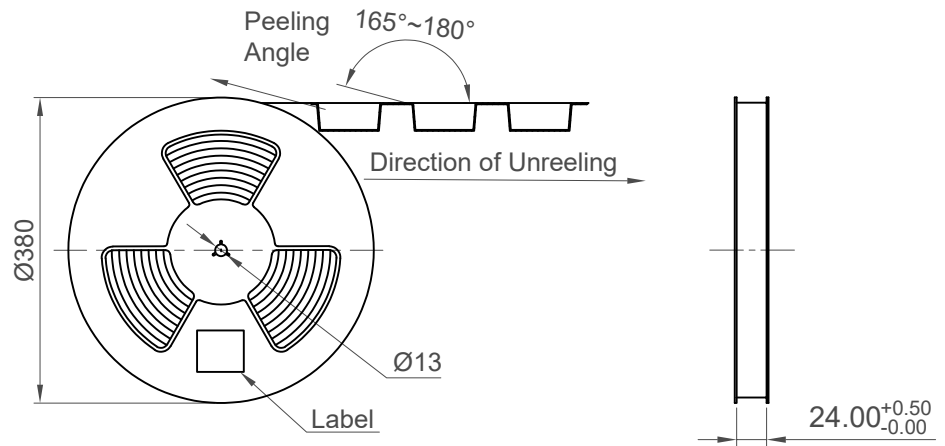
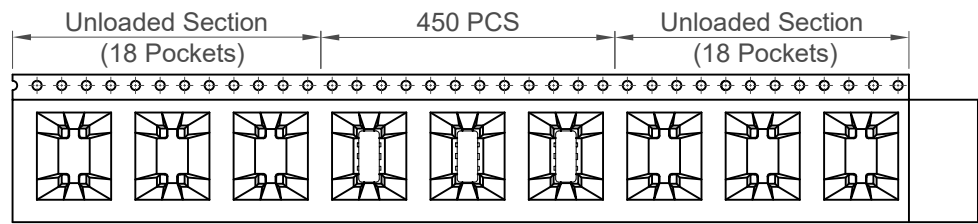
TABLE

Dimensions	
H	D
8.80	4.60
10.00	5.80
10.40	6.20

Part Number USB4225			Product Description USB3.2 Gen2 Type C Receptacle, Vertical, SMT, 24Pin		
Drawing Date 27th June 2024					
By KY	Drawing Release	Tolerances (Except as Noted)	Units: Metric (mm)	 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	
Detail		Length X.X ± 0.30 X.XX ± 0.25 X.XXX ± 0.10	Angle -		
Revision A					
Date 27/06/24					
			3rd Angle Projection	Not to Scale	Drawn By KY
					Sheet No. 2/3

GCT
www.gct.co

H
G
F
E
D
C
B
A



Part Number	Pcs / Reel	Reels / Carton	Total Quantity
USB4225-03-XXXX-C	450	10	4500 pcs

Part Number USB4225		Product Description USB3.2 Gen2 Type C Receptacle, Vertical, SMT, 24Pin	
Drawing Date 27th June 2024			
By KY	Tolerances (Except as Noted) Length Angle	Units: Metric (mm)	<div>RoHS COMPLIANT 2011/05/EU</div> <div>Deca-SIDE</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 & OE</div>
Detail Drawing Release			
Revision A			
Date 27/06/24			
		3rd Angle Projection	©
Not to Scale	Drawn By KY	Sheet No. 3/3	

