

**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

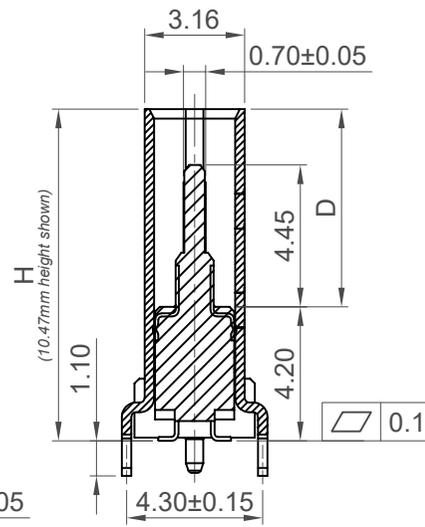
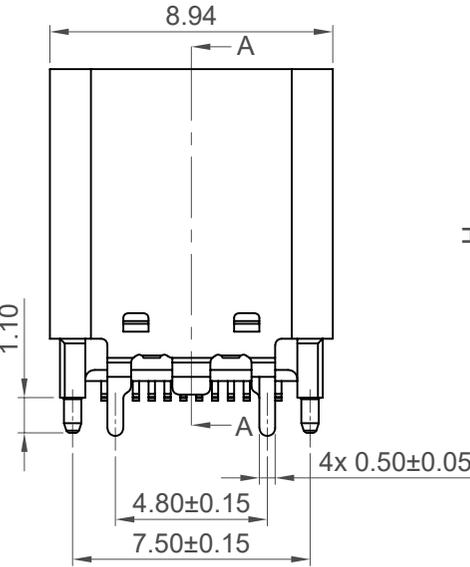
**Ordering Grid**

USB4225 - 03 - XXXX - C Request Samples and Quotation

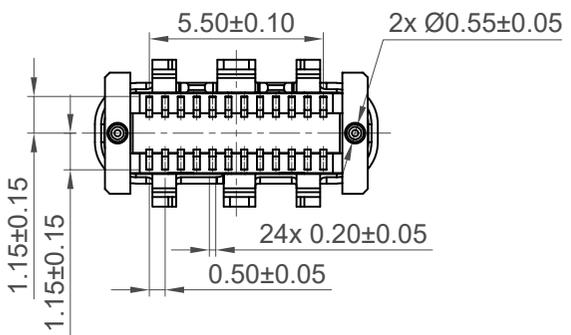
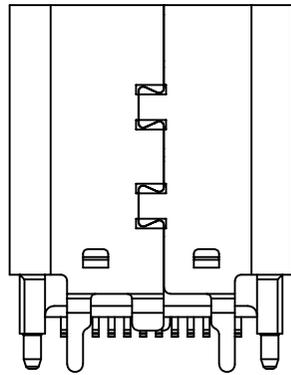
Contact Plating  
 03 = 3µ" Gold

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

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



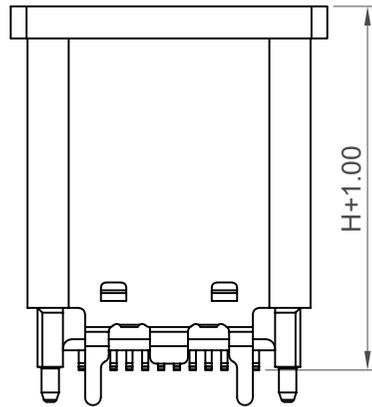
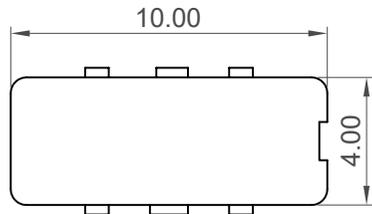
Sections: A-A



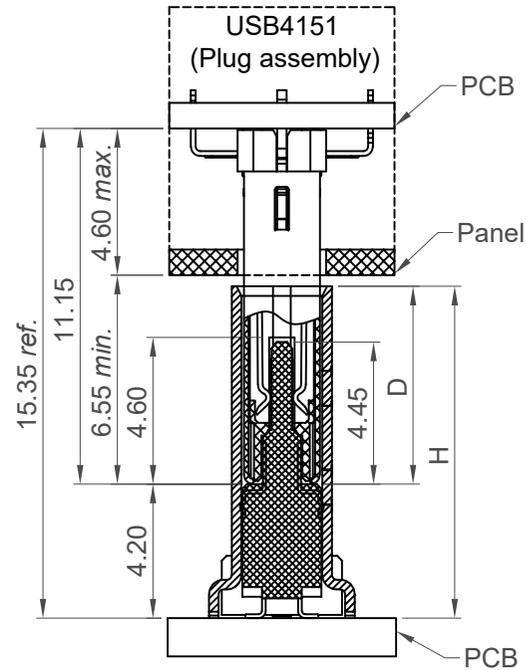
**TABLE**

Dimensions	
H	D
8.80	4.60
10.00	5.80
10.40	6.20

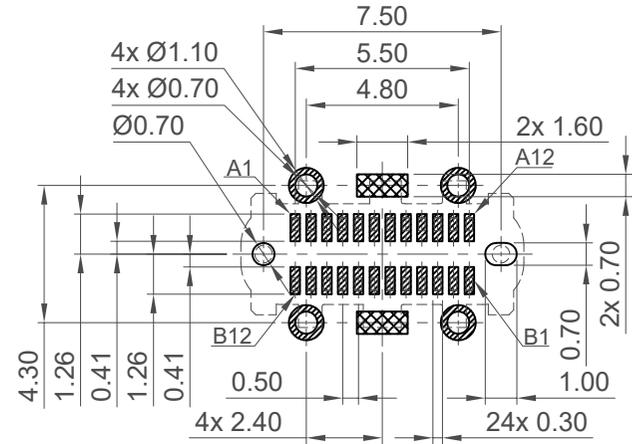
Part Number		Product Description		 <b>www.gct.co</b>
USB4225		USB3.2 Gen2 Type C Receptacle, Vertical, SMT, 24Pin		
Drawing Date		27th June 2024		
By		KY		
Detail	Drawing Release	Tolerances (Except as Noted)	Units:	  <small>This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E &amp; OE</small>
Revision	A	Length	Metric (mm)	
Date	27/06/24	Angle		
		X.X ± 0.30 X.XX ± 0.25 X.XXX ± 0.10		
Not to Scale	Drawn By	Sheet No.		
	KY	1/3		



Cap Information



USB4225 (Receptacle)  
Plug and Receptacle Mating View



**Recommended PCB Layout**

Thickness 1.20±0.10mm

Tolerance: ±0.05mm

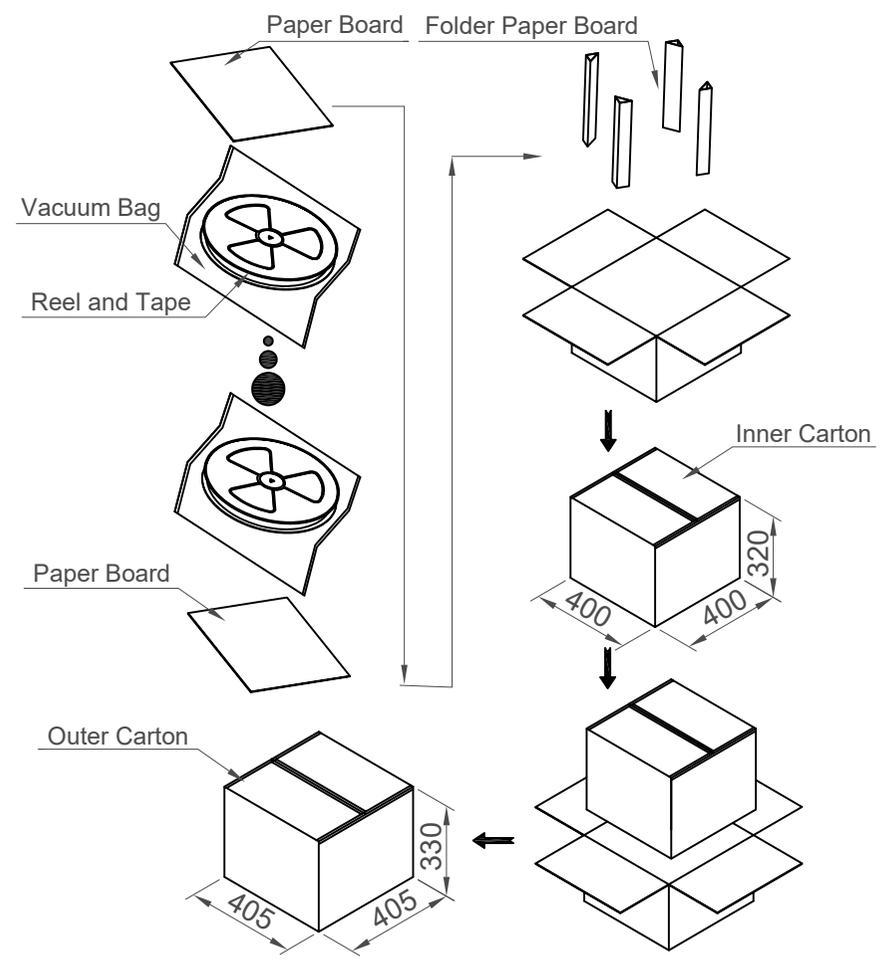
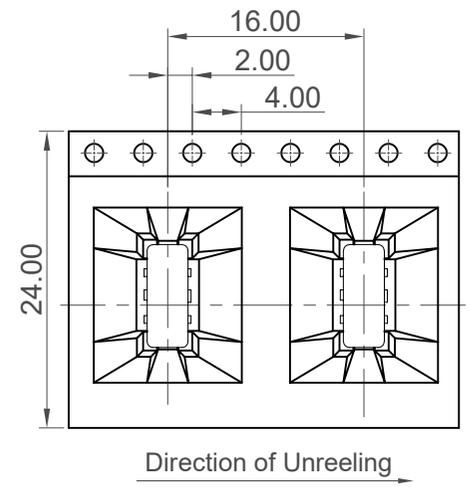
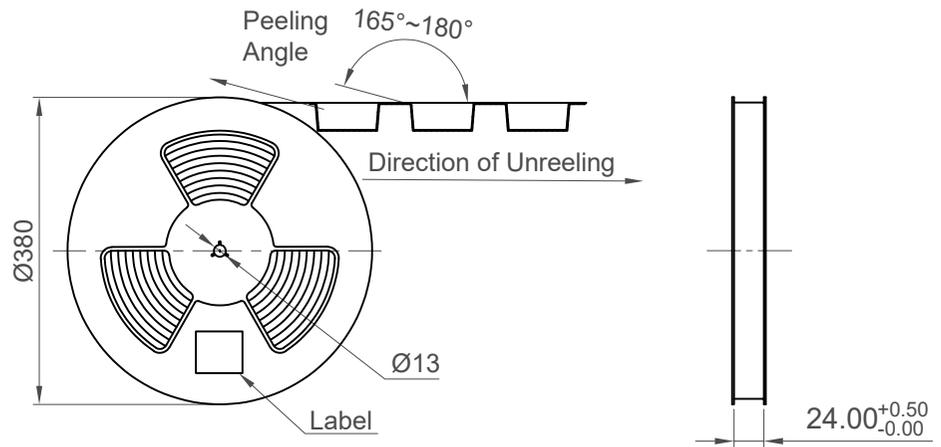
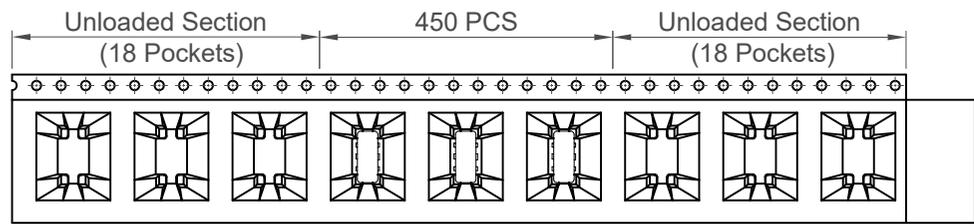
▨ Solder Area   ▩ Keep Out Area   □ Component Outline

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		 <a href="http://www.gct.co">www.gct.co</a>	
Drawing Date 27th June 2024					
By KY	Release A	Tolerances (Except as Noted) Length X.X ± 0.30 X.XX ± 0.25 X.XXX ± 0.10	Units: Metric (mm)		
Detail	Revision A			 	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
Revision A	Date 27/06/24			Not to Scale   Drawn By KY   Sheet No. 2/3	



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		 www.gct.co
Drawing Date 27th June 2024				
By KY	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 Drawing Release	Length	Angle		
Revision A	3rd Angle Projection		Not to Scale	Drawn By KY
Date 27/06/24				Sheet No. 3/3