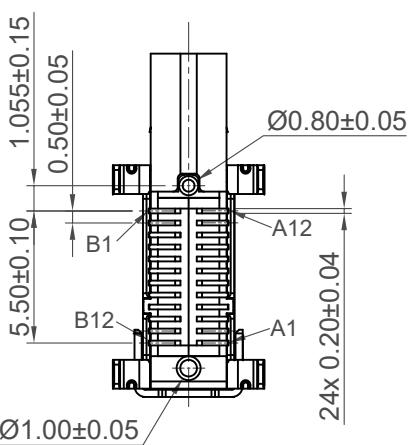
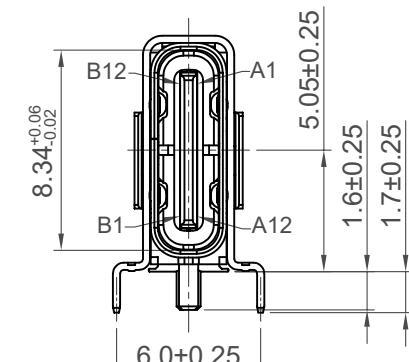
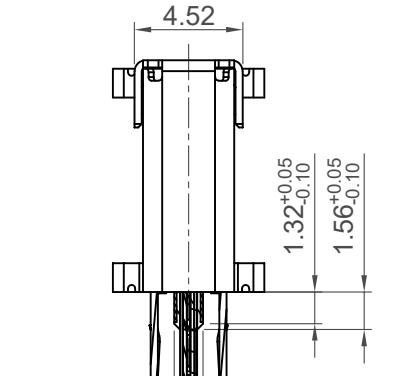


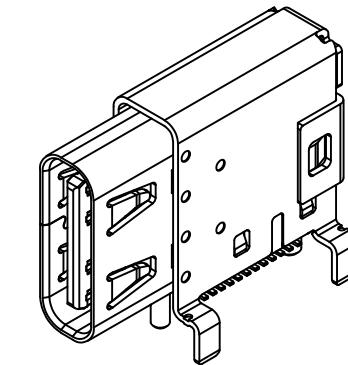
Plug and Receptacle Mating View



#### Ordering Grid

<b>USB4200</b>	<b>— 03 —</b>	<b>A</b>	<b>Request Samples and Quotation</b>
Contact Plating 03 = 3 $\mu$ " Gold			Packing Options A = Tape & Reel (450pcs/Reel)

Part Number	Product Description		
USB4200	USB3.2 Gen2, Type C Receptacle, Dual Row SMT, Flag Type, PCB Top Mount, 24 Pin		
Drawing Date	2nd March 2023		
By	KY	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length X.X ± 0.30 XXX ± 0.20 XXXX ± 0.10	Angle -
Revision	A2		Metric (mm)
Date	09/01/25		3rd Angle Projection



#### Specifications

##### Material

Insulator: LCP, UL 94V-0, Black  
Contact: Copper Alloy, T=0.12mm  
Mid Plate: Stainless Steel, T=0.15mm  
EMI Plate: Stainless Steel, T=0.10mm  
Shell: Stainless Steel, T=0.30mm

##### Plating

##### Contact

Contact Area: 3 $\mu$ " Gold over 50 $\mu$ " min. Nickel  
Solder Tails: Gold Flash over 50 $\mu$ " min. Nickel  
Shell&EMI Plate: 50 $\mu$ " 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 $\Omega$  max initial.  
50m $\Omega$  max after test  
Dielectric Withstanding Voltage: 100V AC  
Insulation Resistance 100M $\Omega$  min

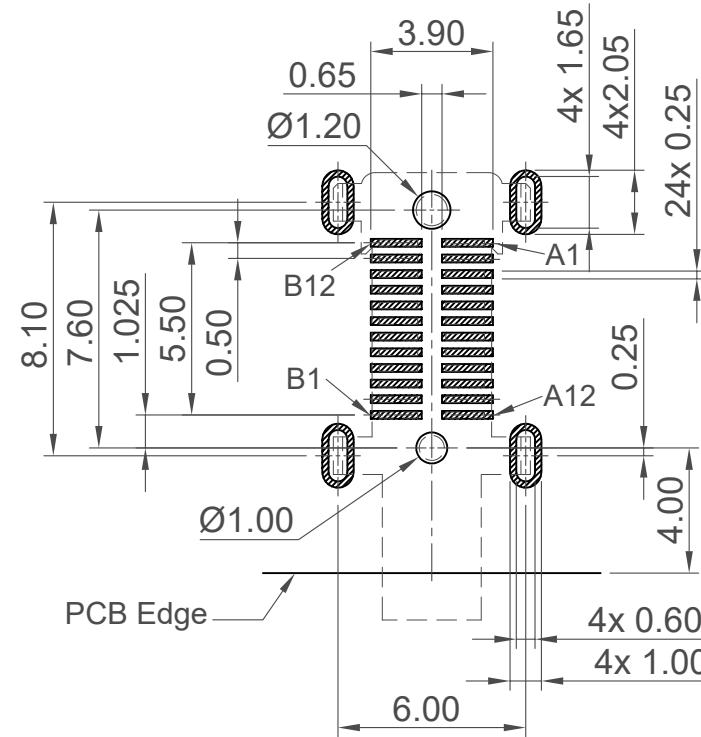
##### Mechanical & Environmental

Operating Temperature: -40°C to +85°C  
Mating Force: 5 to 20 N.  
Unmated Force: 6 to 20 N after test  
Durability: 20,000 cycles

USB-IF TID NO. : 11258  
IEC 62680-1-3 : 2022

**GCT**  
www.gct.co

Not to Scale  
Drawn By CC  
Sheet No. 1/3



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
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

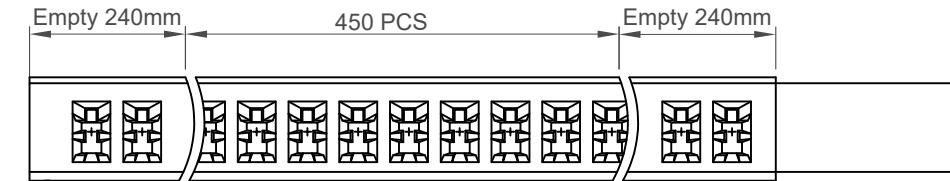
Part Number	Product Description		
USB4200	USB3.2 Gen2, Type C Receptacle, Dual Row SMT, Flag Type, PCB Top Mount, 24 Pin		
Drawing Date	2nd March 2023		
By	KY	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length Angle	Metric (mm)
Revision	A2	$X.XX \pm 0.30$	-
Date	09/01/25	$XXX \pm 0.20$	
		$XXXX \pm 0.10$	

**GCT**  
www.gct.co

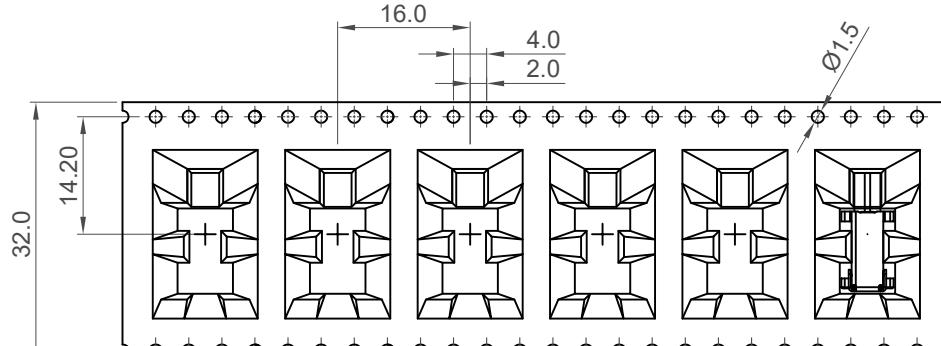
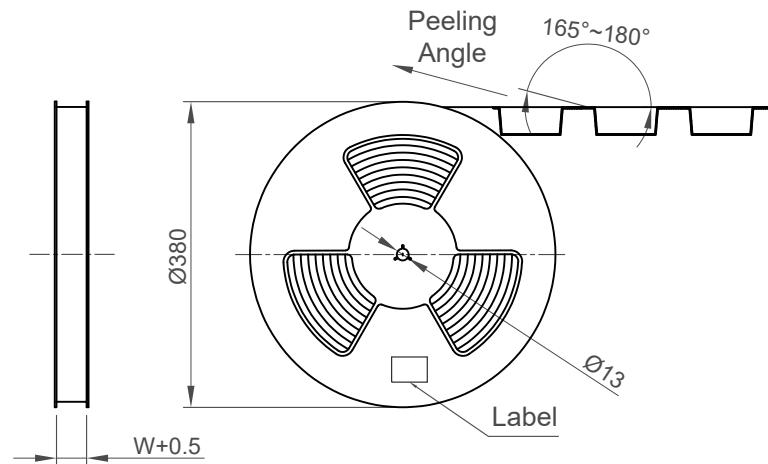
Not to Scale   Drawn By CC   Sheet No. 2/3

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



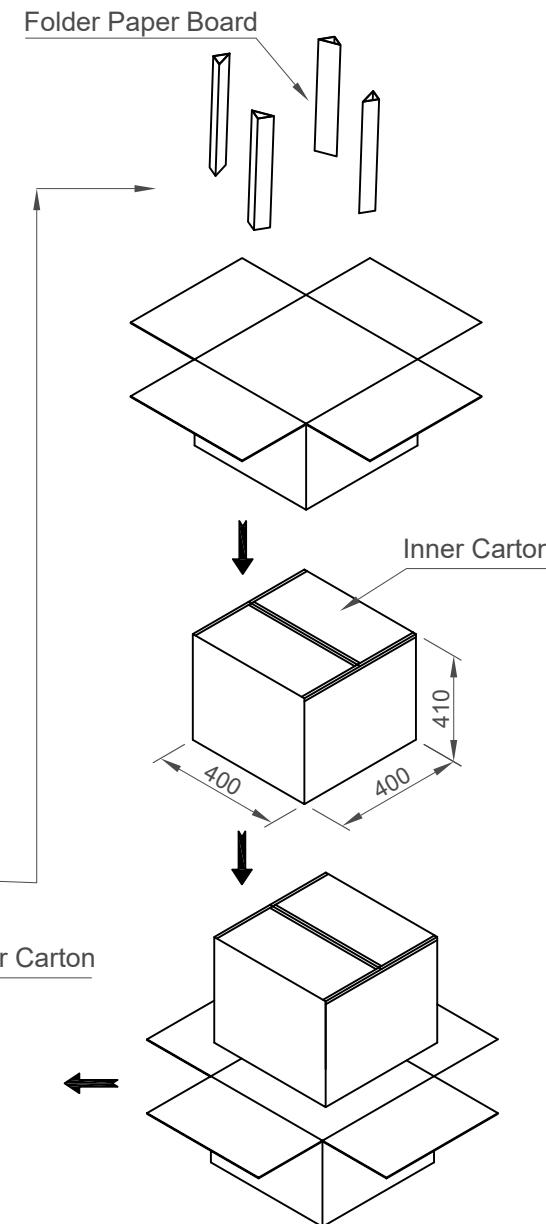
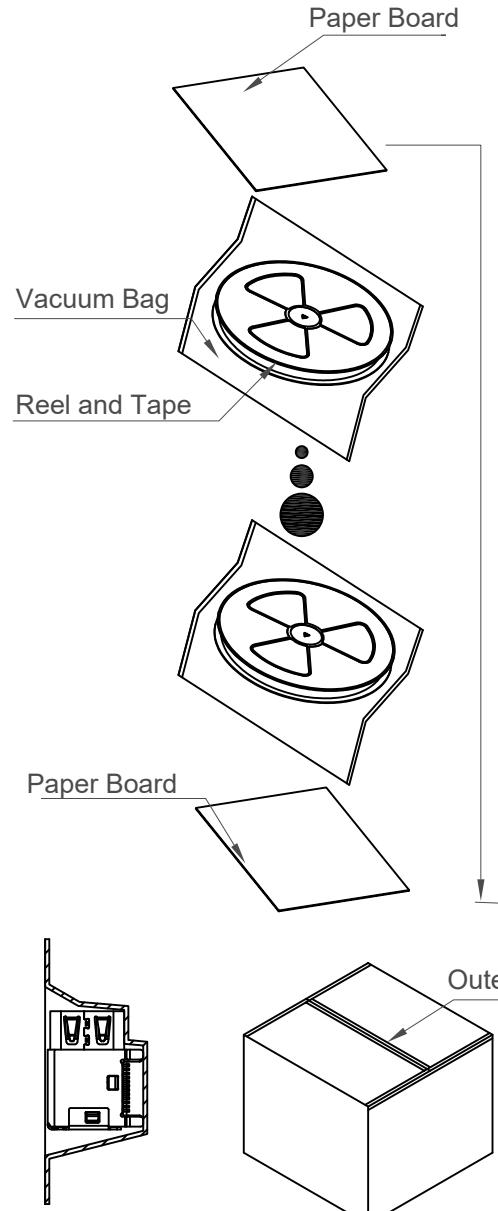


Direction of Unreeling



Direction of Unreeling

Pcs / Reel	Reels / Carton	Total Quantity
450	8	3600 pcs



Part Number	Product Description		
USB4200	USB3.2 Gen2, Type C Receptacle, Dual Row SMT, Flag Type, PCB Top Mount, 24 Pin		
Drawing Date	2nd March 2023		
By	KY	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Angle
Revision	A2	-	-
Date	09/01/25	Metric (mm)	3rd Angle Projection

**GCT**  
www.gct.co

Not to Scale  
Drawn By CC  
Sheet No. 3/3

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



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[GCT:](#)

[USB4200-03-A](#)