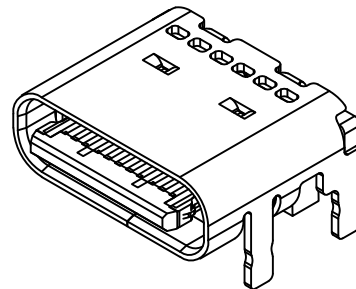


Section:A-A



## 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: 3μ" Au over 50μ" min. Nickel  
Solder Tails: Gold Flash over 50μ" min. Nickel  
Shell: 30μ" min. Nickel

Mid Plate:

Underplating: 50µ" min. Nickel All Over  
Solder Tails: 80µ" Matte Tin  
EMI Plate: Clear

## Electrical

Current Rating: 5.00A collectively for VBUS pins  
6.25A collectively for GND pins  
1.25A for 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 &amp; Environmental

Operating Temperature: -25°C to +85°C

Mating Force: 5 to 20 N.

Unmated Force: 6 to 20 N after test

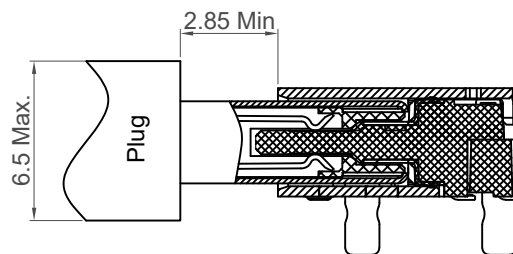
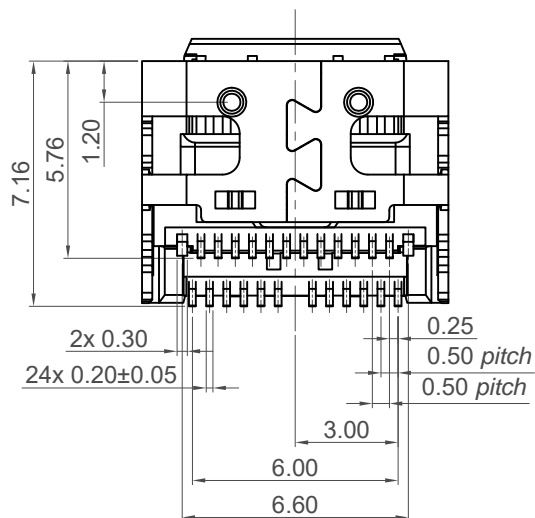
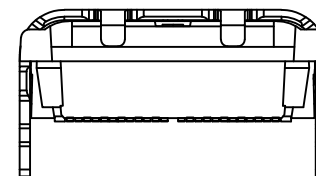
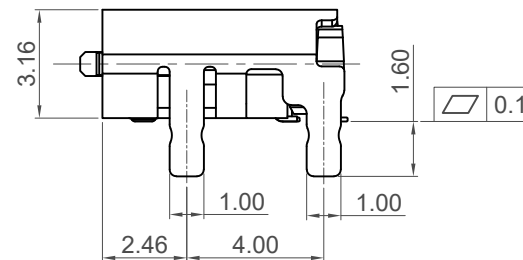
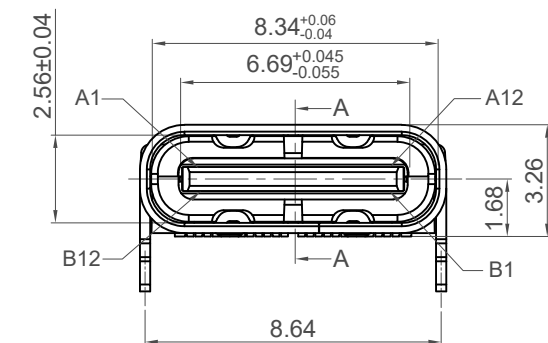
Durability: 10,000 cycles

### Ordering Grid




USB4081-03-A [Request Samples and Quotation](#)

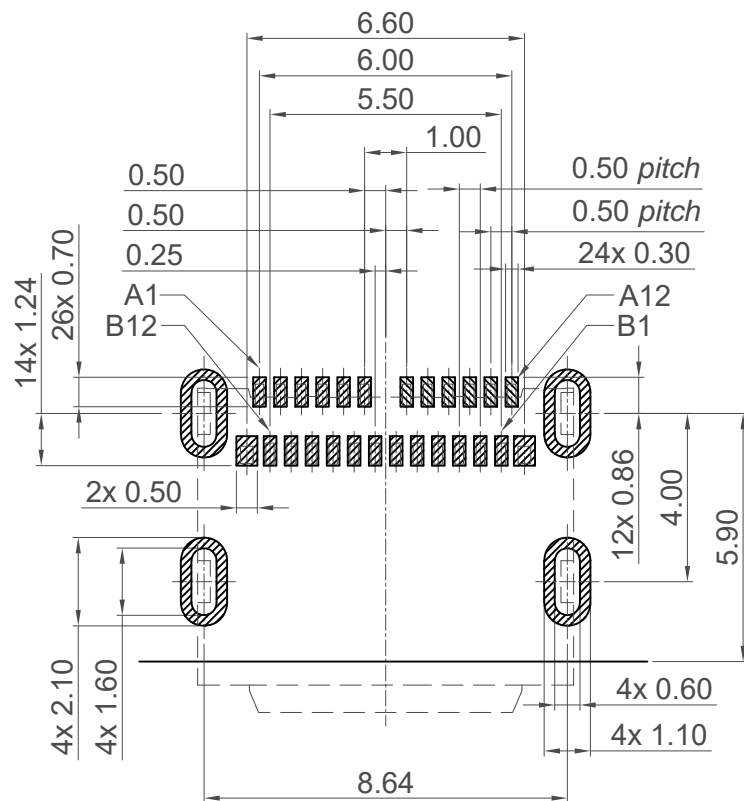
Contact Plating  
03 = 3μ" Gold

<div> <div>Packing Options</div> <div>A = Tape &amp; Reel</div> <div>(800pcs/Reel)</div> </div>
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### Plug and Receptacle Mating View

Part Number		Product Description		 <a href="http://www.gct.co">www.gct.co</a>	
USB4081		USB3.2 Gen 2 Type C Receptacle, Dual Row SMT, Horizontal, PCB Top Mount			
Drawing Date					
21st December 2022					
By	CC	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	Metric (mm)		
Revision	A	X.X ± 0.30	 3rd Angle Projection		
Date	21/12/22	X.XXX ± 0.15			
		-			Not to Scale
					Drawn By CC
					Sheet No. 1/2

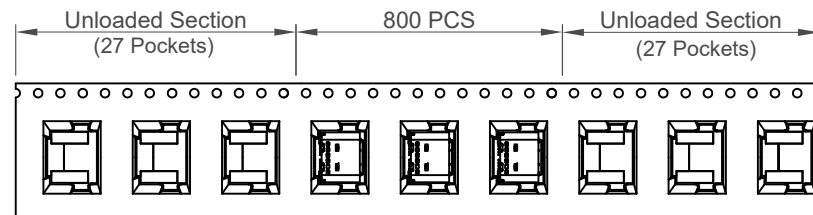


Pin	Signal	Mating Sequence	Pin	Signal	Mating Sequence
A1	GND	First	B12	GND	First
A2	SSTXp1	Second	B11	SSRXp1	Second
A3	SSTXn1	Second	B10	SSRXn1	Second
A4	Vbus	First	B9	Vbus	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	B5	CC2	Second
A9	Vbus	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

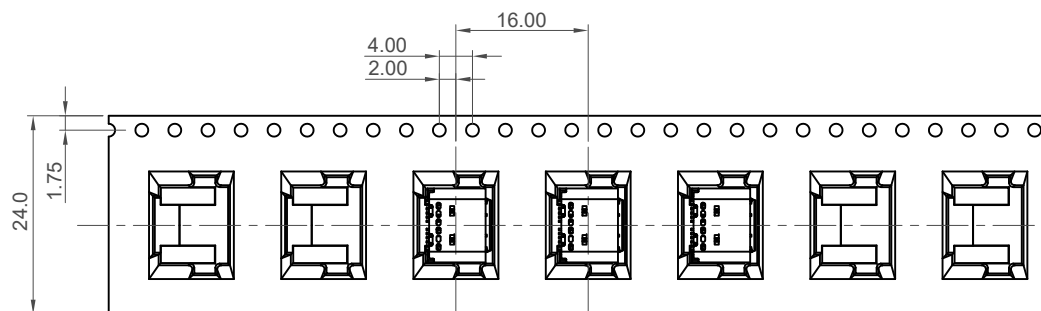
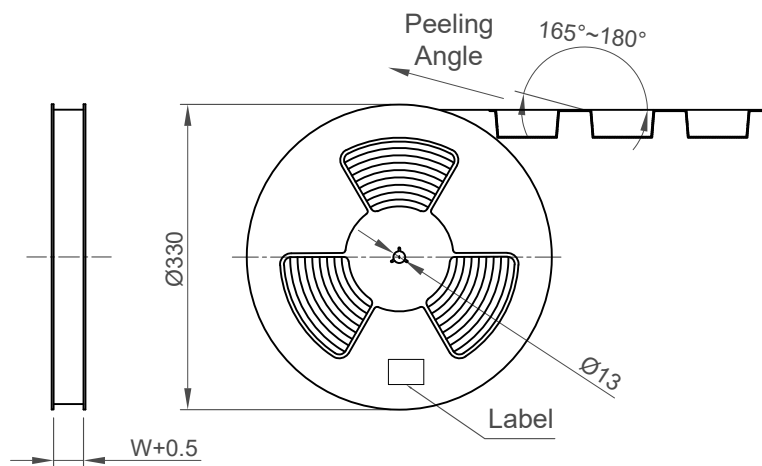
Part Number		Product Description	
USB4081		USB3.2 Gen 2 Type C Receptacle, Dual Row SMT, Horizontal, PCB Top Mount	
Drawing Date		21st December 2022	
By	CC	Tolerances (Except as Noted)	Units: Metric (mm)
Detail	Drawing Release	Length X.X $\pm 0.30$ X.XX $\pm 0.25$ X.XXX $\pm 0.10$	Angle -
Revision	A	3rd Angle Projection	
Date	21/12/22		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	Sheet No.
		CC	2/2

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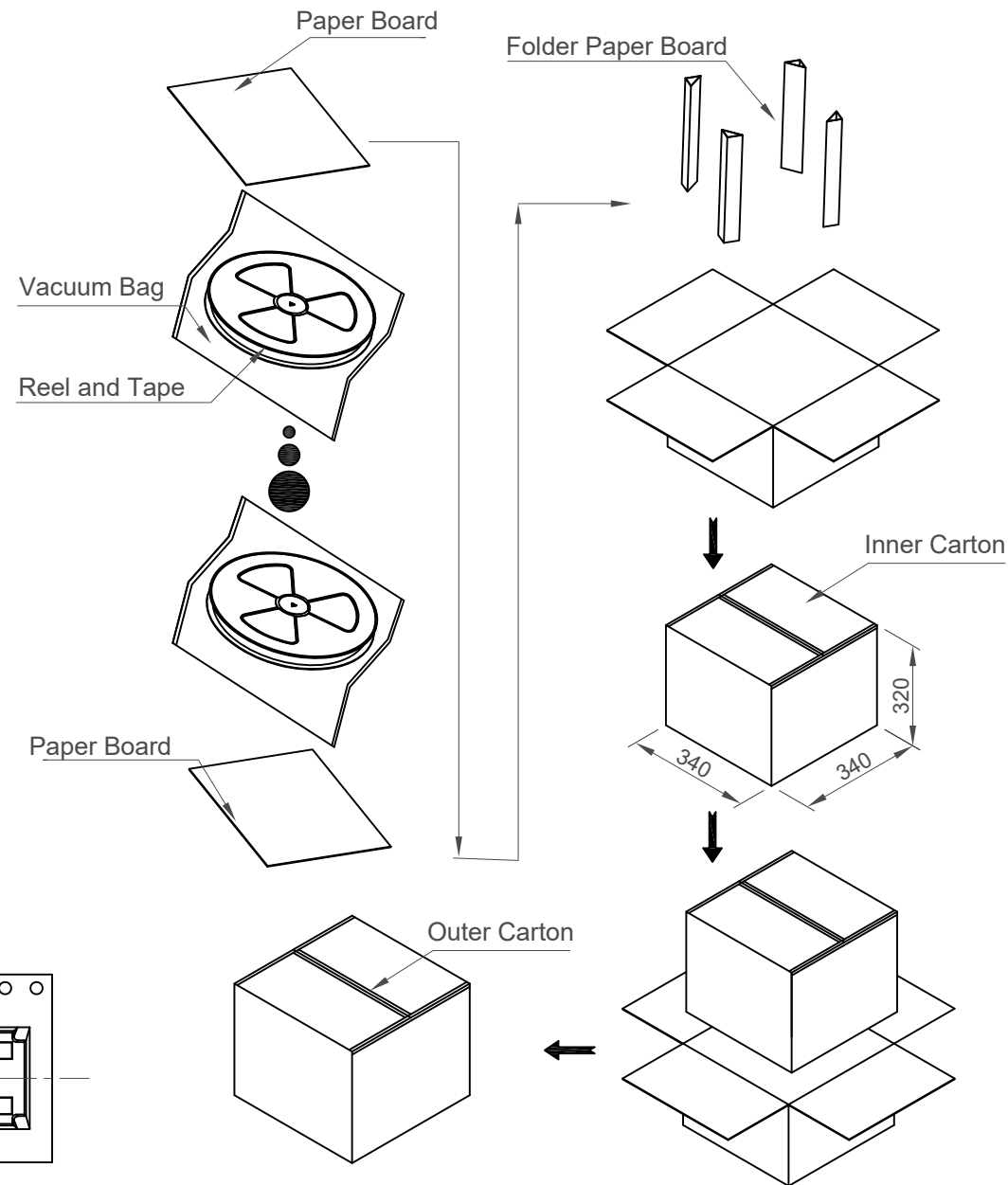


Direction of Unreeling



Direction of Unreeling

Pcs / Reel	Reels / Carton	Total Quantity
800	10	8000 pcs



Part Number USB4081		Product Description USB3.2 Gen 2 Type C Receptacle, Dual Row SMT, Horizontal, PCB Top Mount	
Drawing Date 21st December 2022			
By CC	Drawing Release	Tolerances (Except as Noted) Length X.X ± 0.30 X.XX ± 0.25 X.XXX ± 0.10	Units: Metric (mm)
Detail	A	3rd Angle Projection	
Revision	21/12/22		
Date			
		RoHS COMPLIANT 2011/65/EU	
		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 CC	
		Sheet No. 3/3	

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