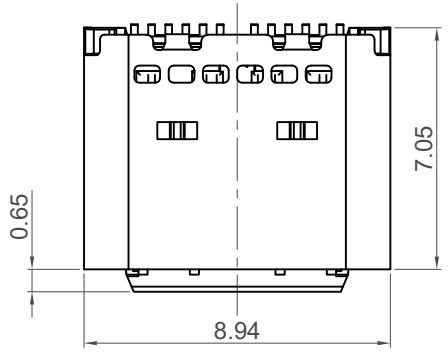
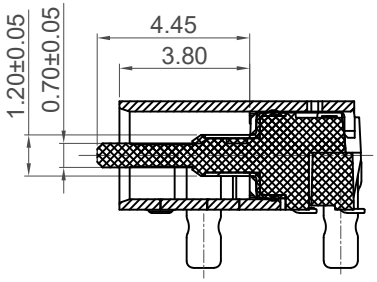
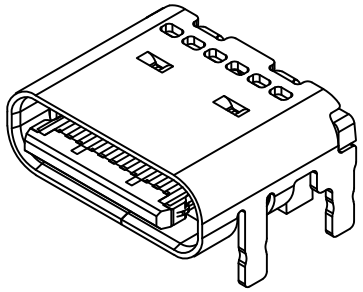
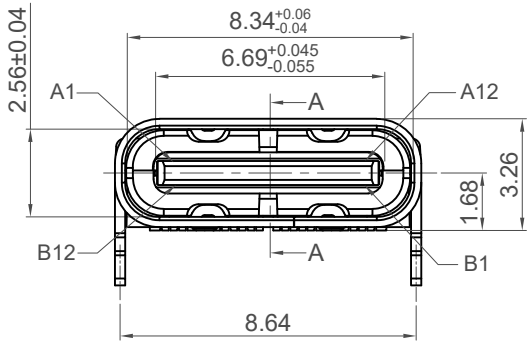
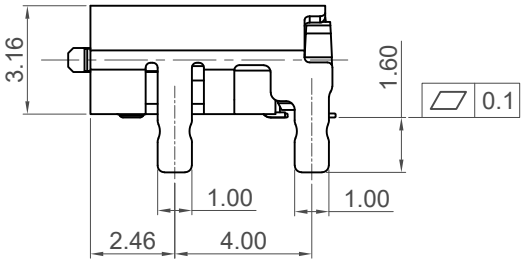


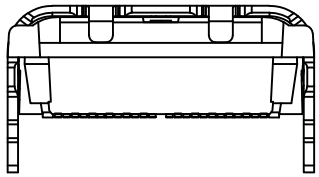


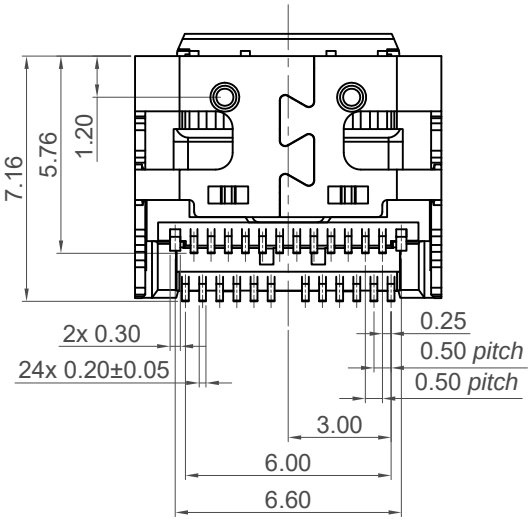
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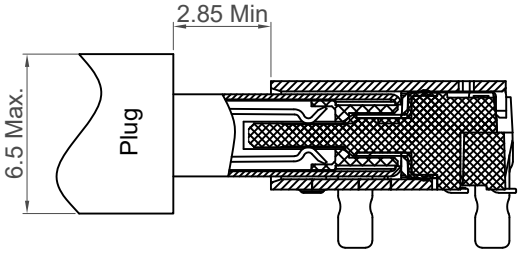












Plug and Receptacle Mating View

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 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

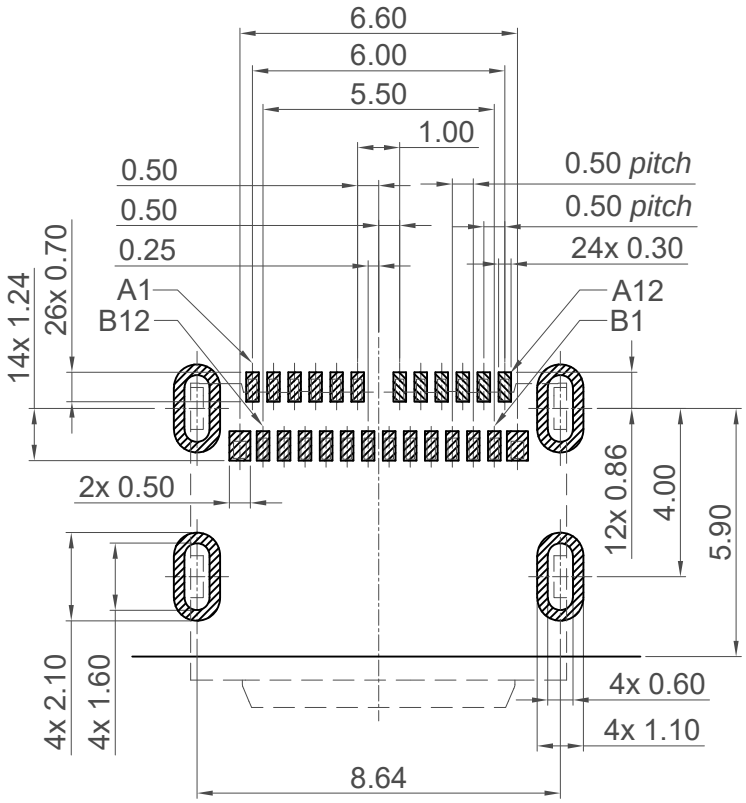
Ordering Grid

USB4081 — 03 — A Request Samples and Quotation

Contact Plating
03 = 3µ" Gold

Packing Options
A = Tape & Reel
(800pcs/Reel)

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) Length	Angle	Units: Metric (mm)	RoHS COMPLIANT 2011/65/EU Deca-BDE	© 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	GCT www.gct.co	
Detail	Drawing Release	X.X ± 0.30 X.XX ± 0.25 X.XXX ± 0.10	-	3rd Angle Projection			Not to Scale	Drawn By CC
Revision	A1						Sheet No.	1/2
Date	02/03/22							



Recommended PCB Layout

As viewed from component side Tolerance:±0.05mm

Solder Area Component Outline

Pin	Signal	Mating Sequence
A1	GND	First
A2	SSTXp1	Second
A3	SSTXn1	Second
A4	VBUS	First
A5	CC1	Second
A6	Dp1	Second
A7	Dn1	Second
A8	SBU1	Second
A9	VBUS	First
A10	SSRXn2	Second
A11	SSRXp2	Second
A12	GND	First
SHELL		GND

Pin	Signal	Mating Sequence
B12	GND	First
B11	SSRXp1	Second
B10	SSRXn1	Second
B9	VBUS	First
B8	SBU2	Second
B7	Dn2	Second
B6	Dp2	Second
B5	CC2	Second
B4	VBUS	First
B3	SSTXn2	Second
B2	SSTXp2	Second
B1	GND	First
SHELL		GND

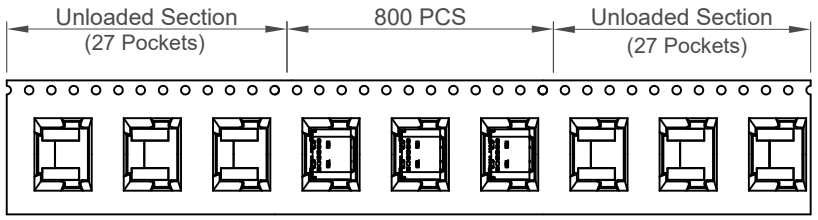
Part Number		Product Description
USB4081		USB3.2 Gen 2 Type C Receptacle, Dual Row SMT, Horizontal, PCB Top Mount
Drawing Date		
21st December 2022		
By	CC	Tolerances (Except as Noted) Length / Angle
Detail	Drawing Release	X.X ± 0.30, X.XX ± 0.25, X.XXX ± 0.10 / -
Revision	A1	Units: Metric (mm)
Date	02/03/22	3rd Angle Projection

RoHS COMPLIANT 2011/65/EU Deca-BDE

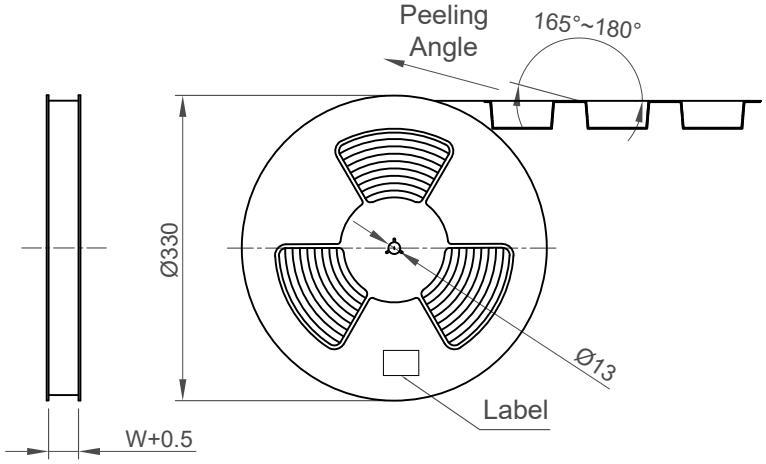
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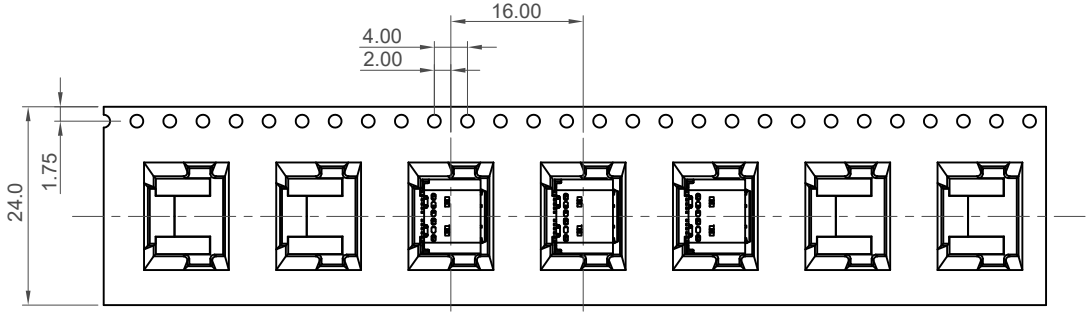
GCT www.gct.co

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

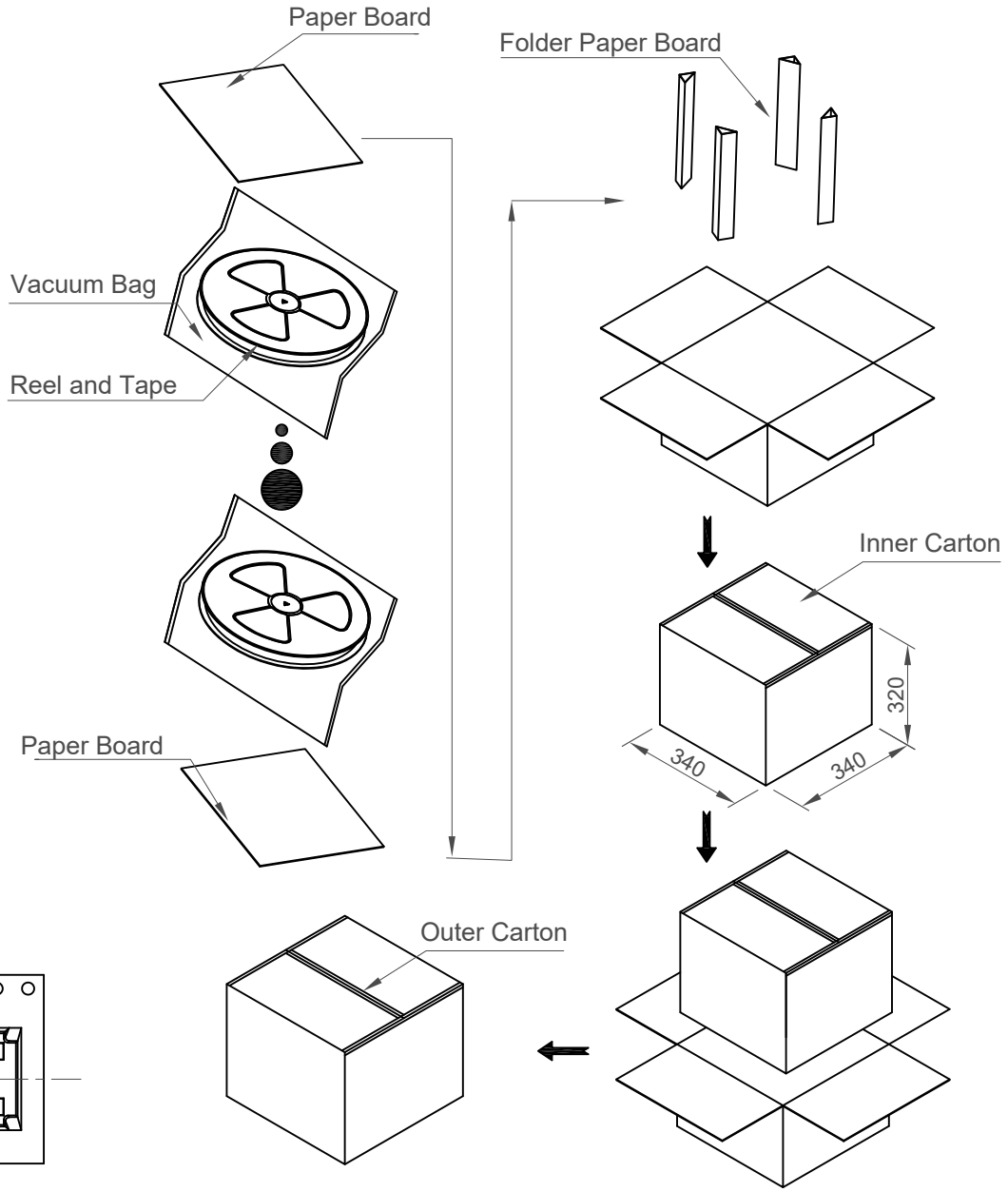


Direction of Unreeling





Direction of Unreeling



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

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) Length	Angle	Units: Metric (mm)	RoHS COMPLIANT 2011/65/EU Deca-BDE	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	GCT www.gct.co
Detail	Drawing Release	X.X ± 0.30 X.XX ± 0.25 X.XXX ± 0.10	-	3rd Angle Projection			Not to Scale / Drawn By CC / Sheet No. 3/3
Revision	A1						
Date	02/03/22						

Unikeyic Electronics

Global Electronic Components Distributor

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