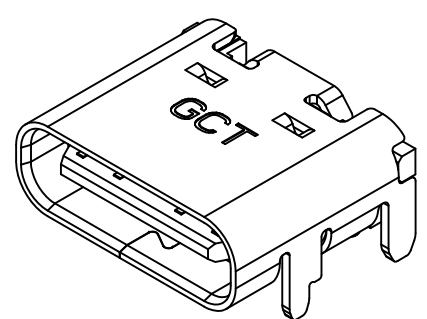
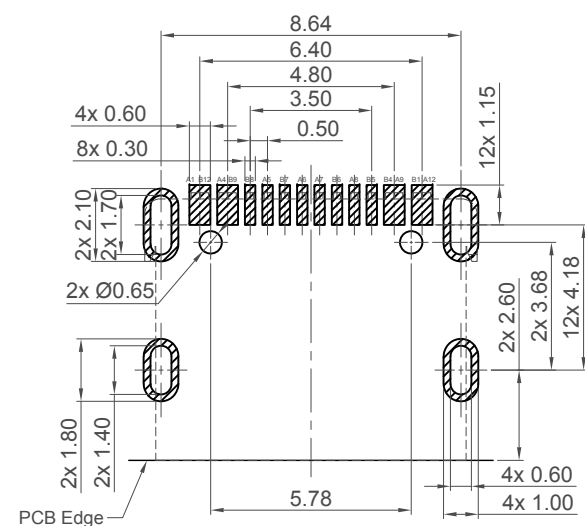
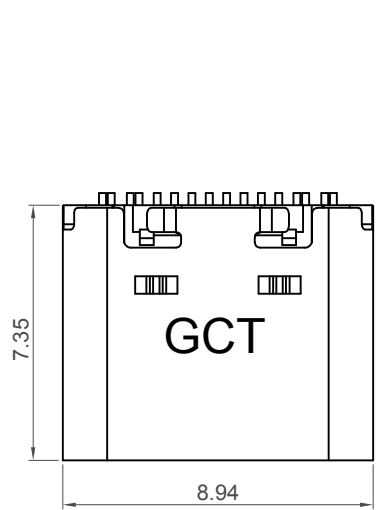


H
G
F
E
D
C
B
A



Recommended PCB Layout
As viewed from component side Tolerance: ±0.05mm

▨ Solder Area □ Component Outline

Pin	Signal	Mating Sequence	Pin	Signal	Mating Sequence
A1	GND	First	B12	GND	First
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
A12	GND	First	B1	GND	First
SHELL		GND	SHELL		GND

Specifications

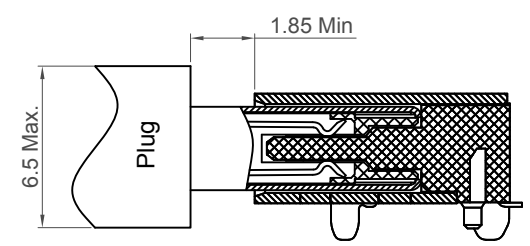
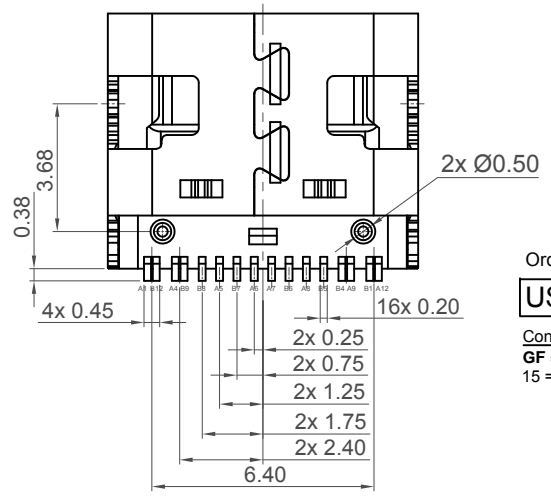
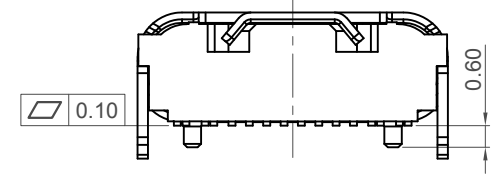
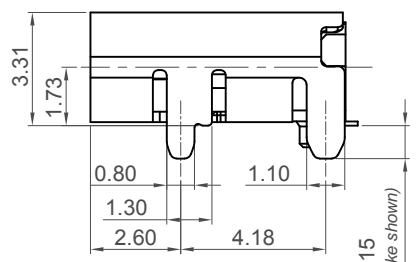
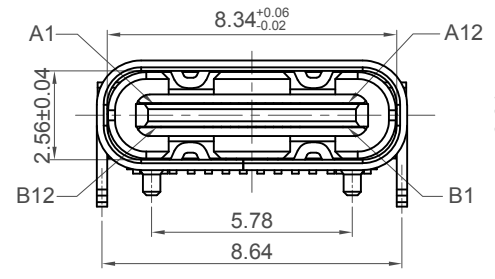
Material
Insulator: LCP, UL 94V-0, Black
Contact: Copper Alloy
Shell: Stainless steel
Mid Plate: Stainless Steel

Plating
Contact: See Ordering Grid
Solder Tails: Gold Flash Over Nickel
Shell: Nickel

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: 20V DC
Contact Resistance: 40mΩ max initial.
50mΩ max after test
Dielectric Withstanding Voltage: 100V AC
Insulation Resistance 100MΩ 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: 10,000 cycles



Plug and Receptacle Mating View

Ordering Grid
USB4105 - XX - A - XXX Request Samples and Quotation

Contact Plating
GF = Gold Flash (standard)
15 = 15µm Gold

Shell Stake Length "S"
Blank = 0.95mm
060 = 0.60mm
120 = 1.20mm

Packing Options
A = Tape & Reel

Part Number		Product Description	
USB4105		USB Type C Receptacle for USB 2.0	
Drawing Date		SMT Type, PCB Top Mount	
4th October 2019			
By	CC	Tolerances (Except as Noted)	Units:
Detail	USB4105	Length	Metric (mm)
Revision	B PCN	X. ± 0.38	
Date	29/04/21	B PCN	
		X.X ± 0.30	X ± 2°
		X.XX ± 0.15	X.X ± 1°
		X.XXX ± 0.10	

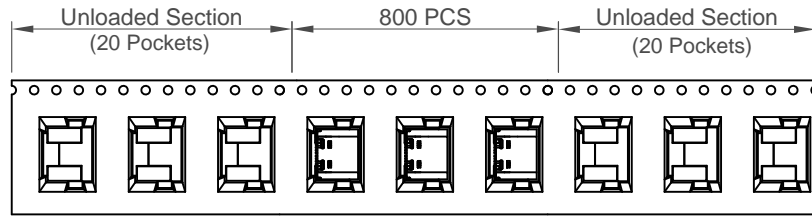


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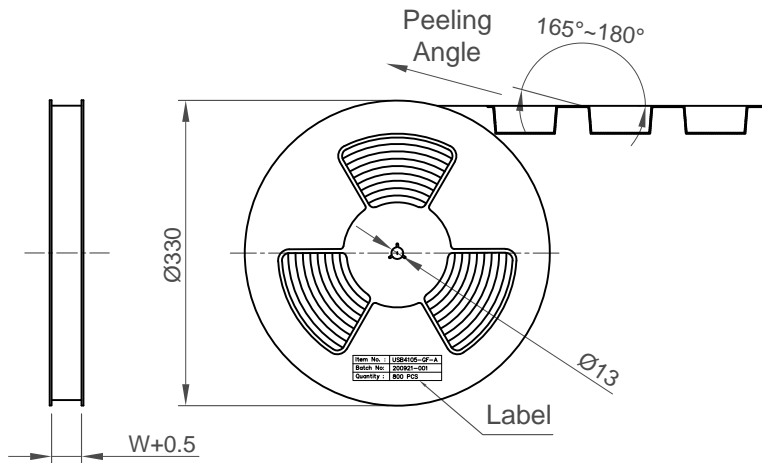


Not to Scale	Drawn By CC	Sheet No. 1/2
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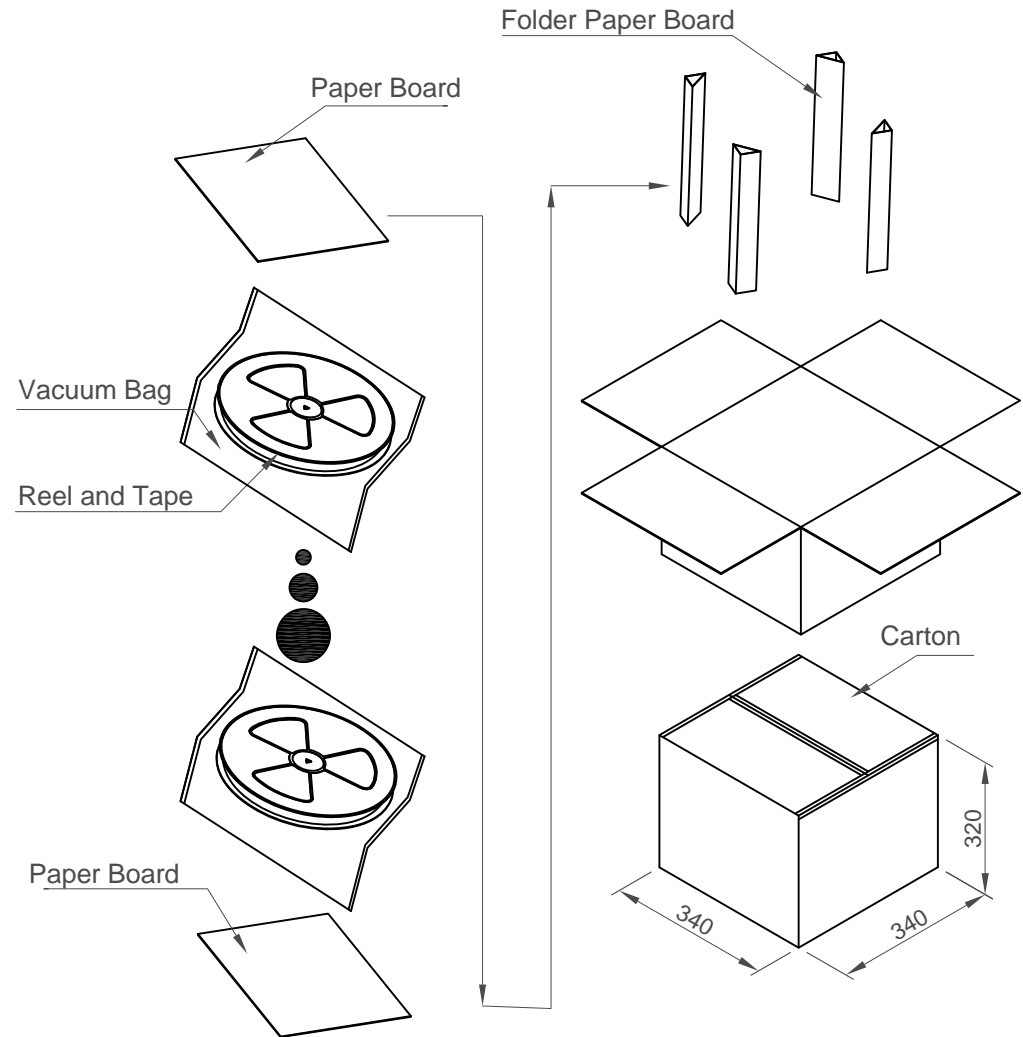
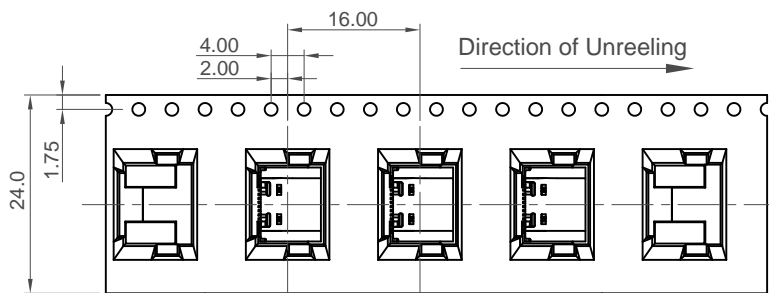
1 2 3 4 5 6 7 8







Direction of Unreeling →



Item No.: USB4105-CP-A
Batch No.: 201901001
Quantity: 800 PCS



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

Part Number USB4105		Product Description USB Type C Receptacle for USB 2.0 SMT Type, PCB Top Mount		 www.gct.co
Drawing Date 4th October 2019				
By CC	Tolerances (Except as Noted) Length Angle	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 USB4105 B PCN			Not to Scale Drawn By CC CC Sheet No. 2/2	
Revision B				
Date 29/04/21				

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