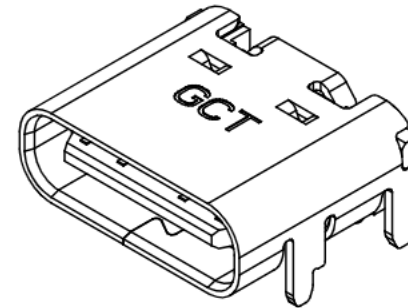
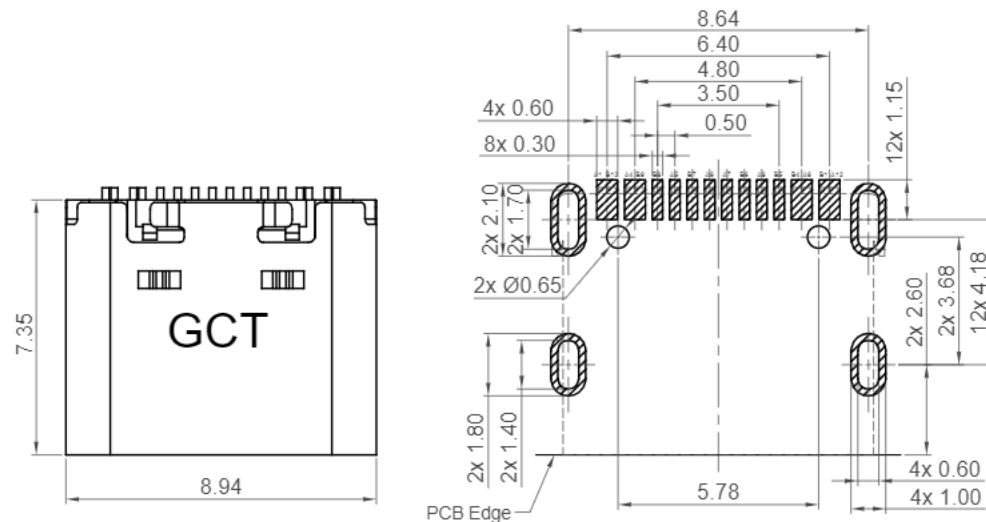
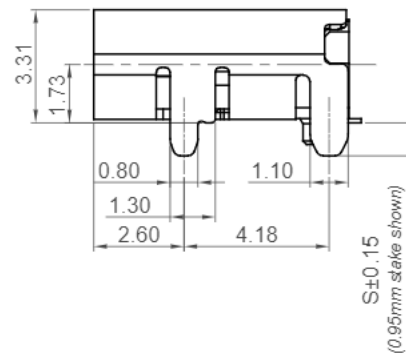
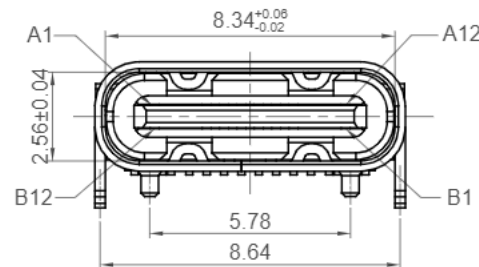


H
G
F
E
D
C
B
A

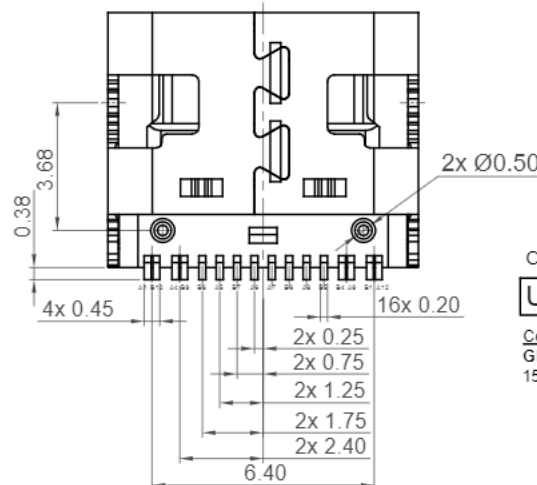
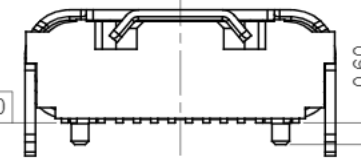


Recommended PCB Layout
As viewed from component side Tolerance: $\pm 0.05\text{mm}$

■ Solder Area □ Component Outline



0.10



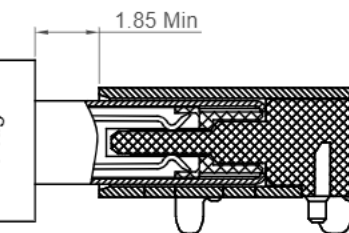
Ordering Grid

USB4105 - XX - A - XXX Request Samples and Quotation

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

Packing Options
A = Tape & Reel

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



Plug and Receptacle Mating View

Pin	Signal	Mating Sequence	Pin	Signal	Mating Sequence
A1	GND	First	B12	GND	First
A4	V _{bus}	First	B9	V _{bus}	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	V _{bus}	First	B4	V _{bus}	First
A12	GND	First	B1	GND	First
SHELL			SHELL		

Specifications

Material

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

Plating

Contact:
Contact Area: See Ordering Grid
Solder Tails: Gold Flash
Underplating: 50μ" min. Nickel All Over
Shell: 30μ" min. Nickel
Mid 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.

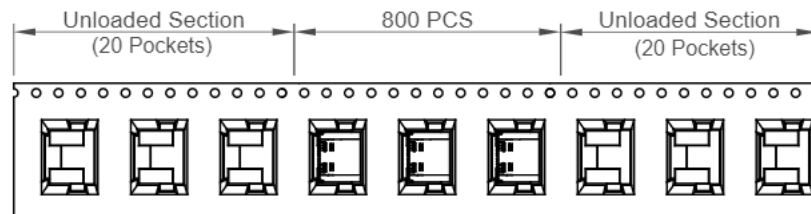
Mechanical & Environmental

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

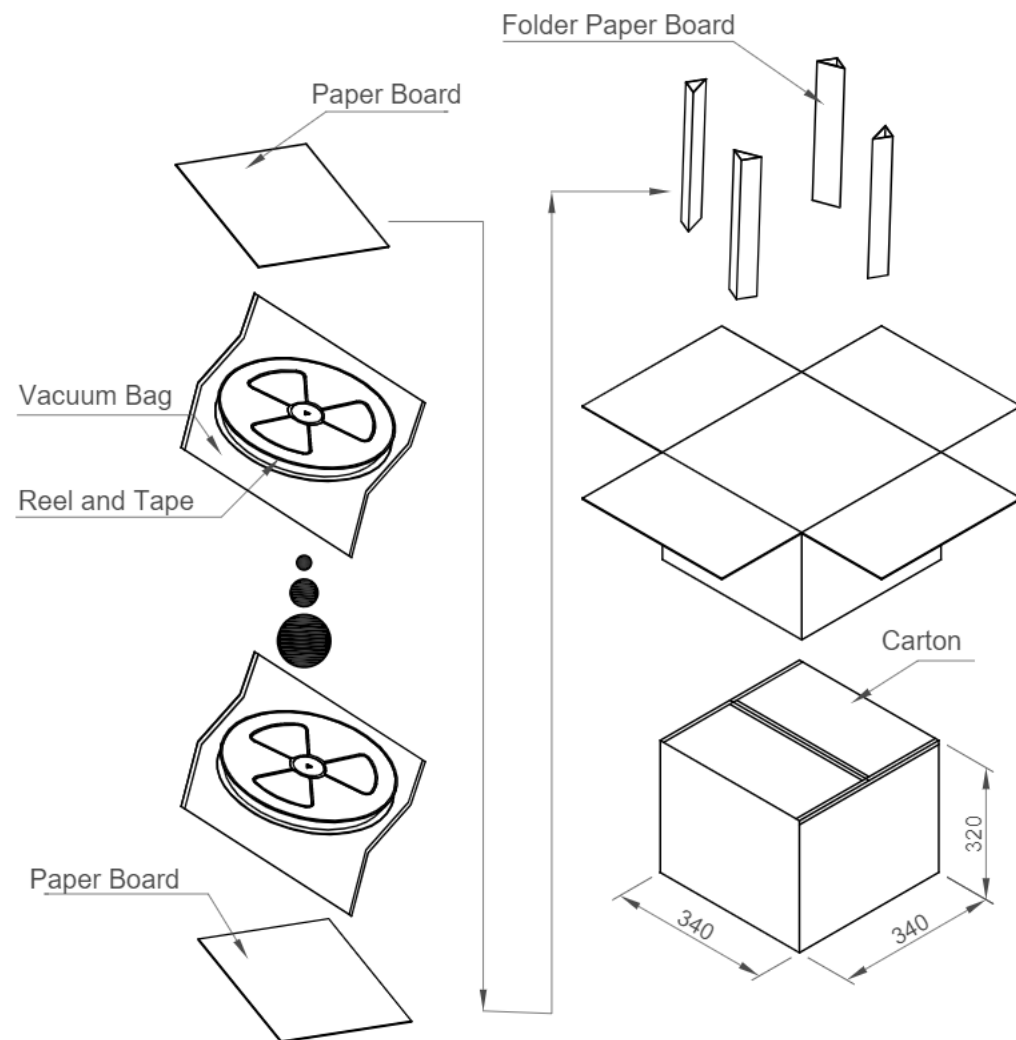
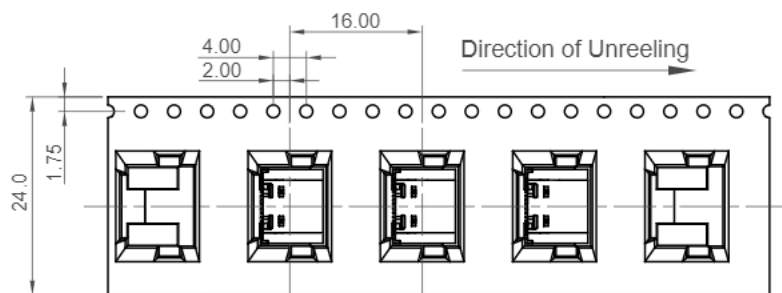
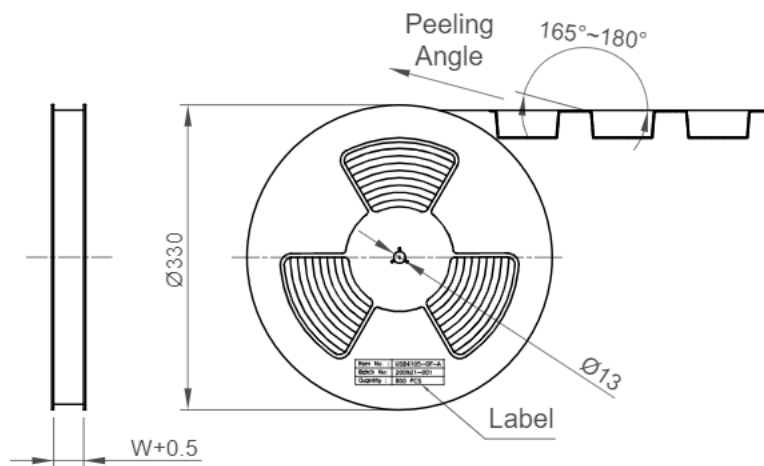
Part Number			Product Description		
USB4105			USB Type C Receptacle for USB 2.0		
Drawing Date			SMT Type, PCB Top Mount		
4th October 2019					
By	CC	Tolerances (Except as Noted)	Units:	RoHS COMPLIANT 2011/65/EU	
Detail	USB4105 B PCN	Length X.X ± 0.38 X.X ± 0.30 X.XX ± 0.15 X.XXX ± 0.10	Metric (mm)		
Revision	B3	Angle X.X ± 2° X.X ± 1°	2nd Angle Projection	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	
Date	24/02/23				

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CC
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1/2



Direction of Unreeling



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

Part Number USB4105		Product Description USB Type C Receptacle for USB 2.0	
Drawing Date 4th October 2019		SMT Type, PCB Top Mount	
By CC	Tolerances (Except as Noted) Length	Units: Metric (mm)	
Detail USB4105 B PCN	Angle	2nd Angle Projection	
Revision B3	-	-	
Date 24/02/23	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		

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2/2