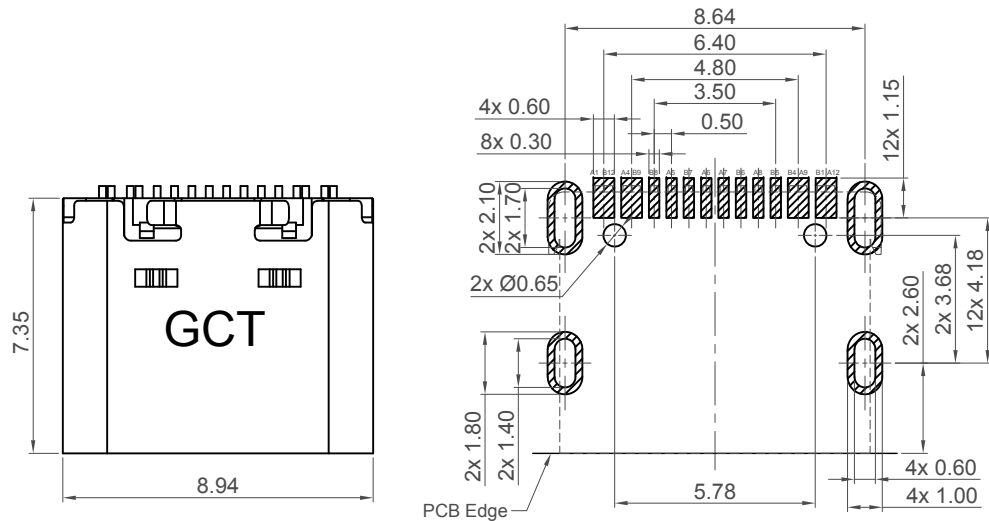


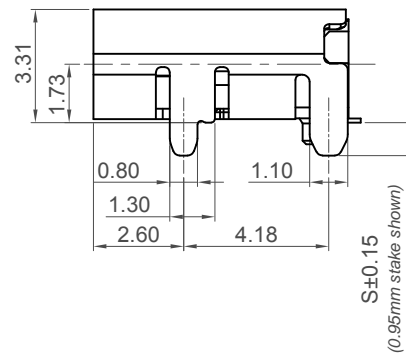
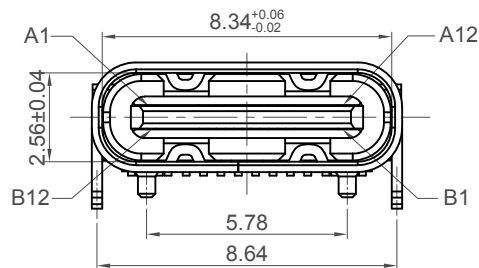
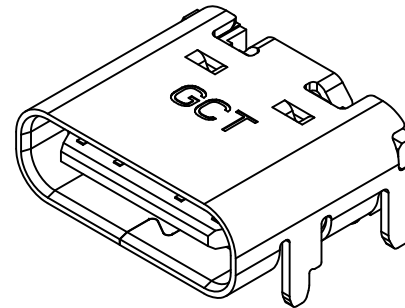
H  
G  
F  
E  
D  
C  
B  
A



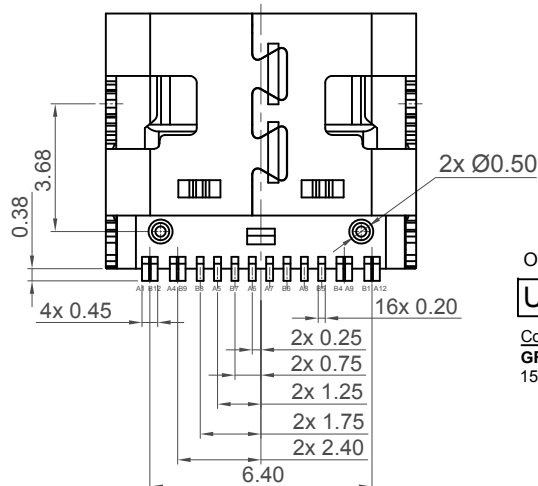
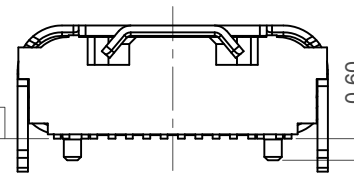
#### Recommended PCB Layout

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

▨ Solder Area □ Component Outline



0.10



#### Ordering Grid

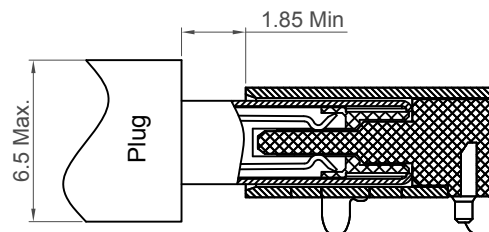
USB4105 - XX - A - XXX Request Samples and Quotation

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	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			SHELL		
GND			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

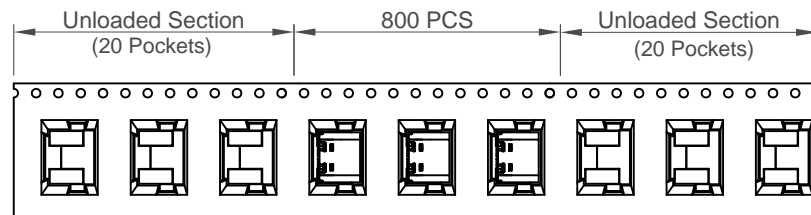
Part Number		Product Description	
USB4105		USB Type C Receptacle for USB 2.0	
Drawing Date		SMT Type, PCB Top Mount	
4th October 2019			
By	CC	Tolerances (Except as Noted)	Units:
Detail	USB4105 B PCN	Length X. ± 0.38 X.X ± 0.30 X.XX ± 0.15 X.XXX ± 0.10	Metric (mm)
Revision	B	Angle X ± 2° X.X ± 1°	3rd Angle Projection
Date	29/04/21		



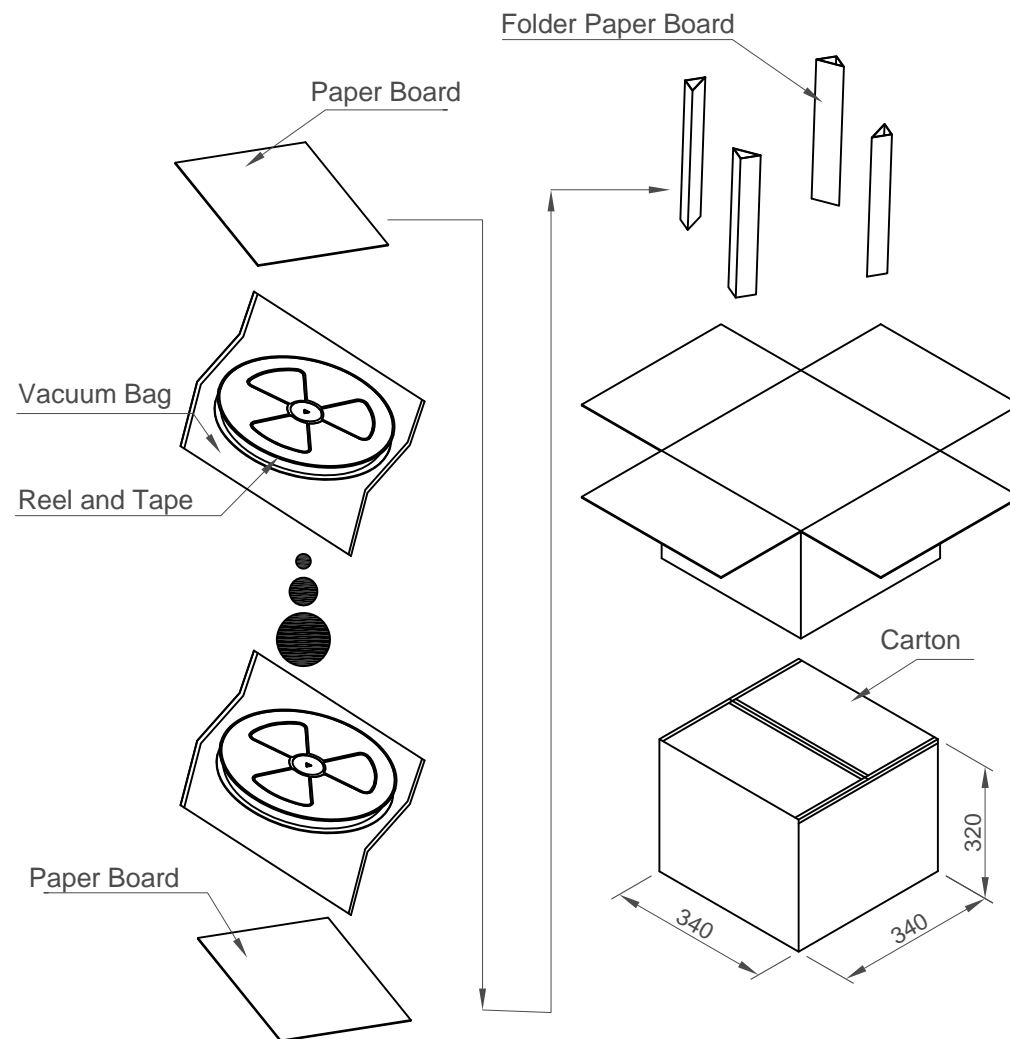
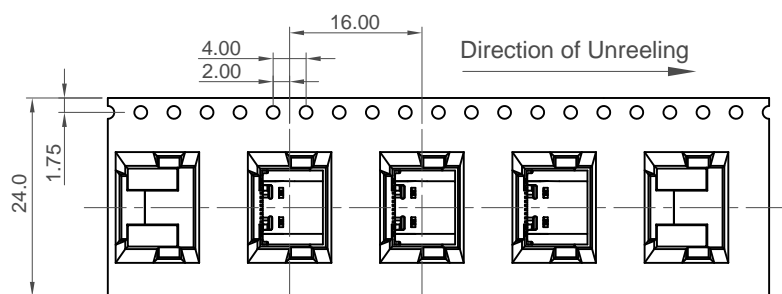
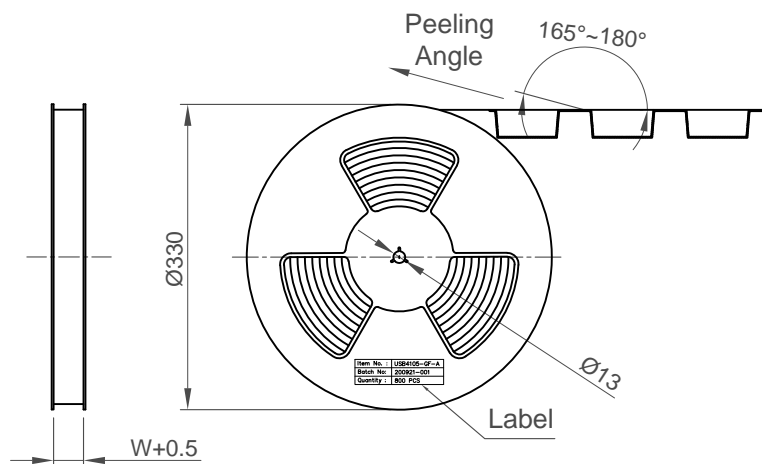
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1/2



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 SMT Type, PCB Top Mount	
Drawing Date 4th October 2019			
By CC		Tolerances (Except as Noted)	Units: Metric (mm)
Detail USB4105 B PCN		Length	Angle
Revision B		-	-
Date 29/04/21			



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