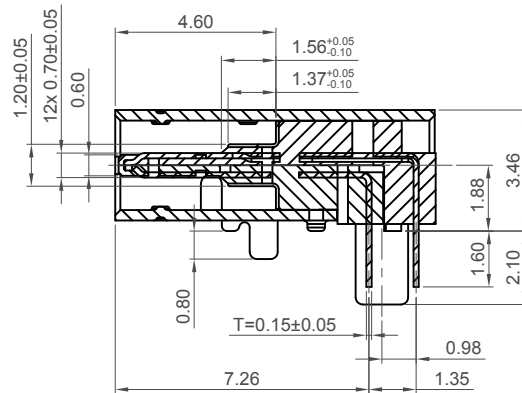
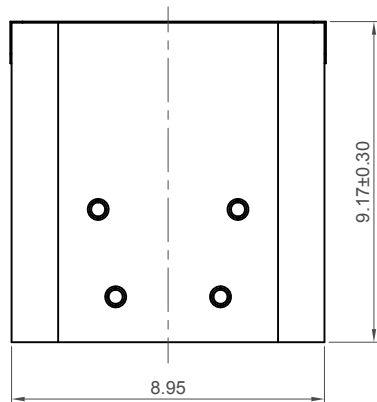
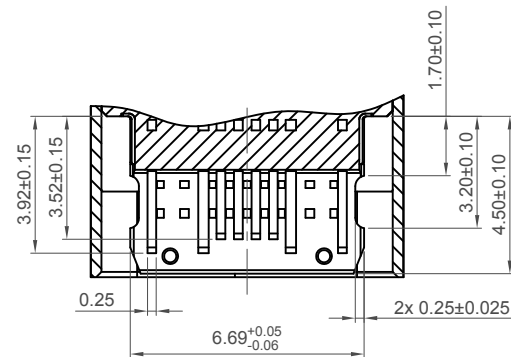


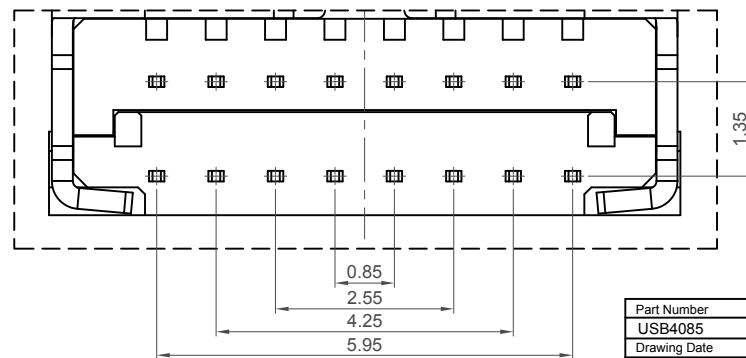
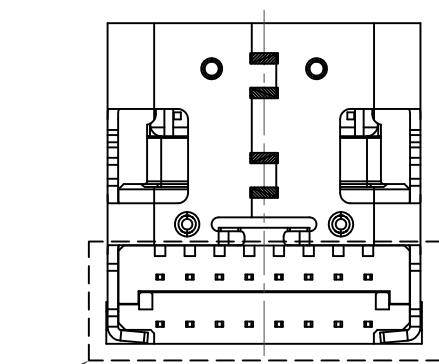
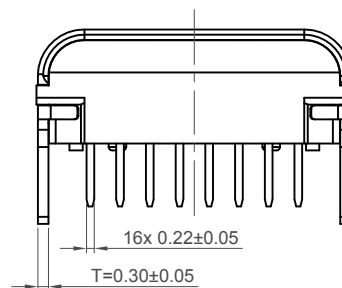
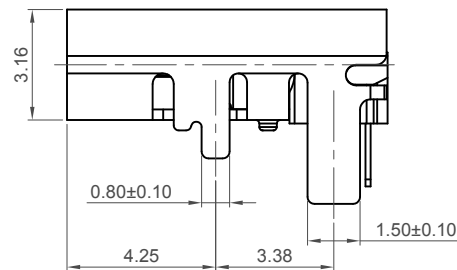
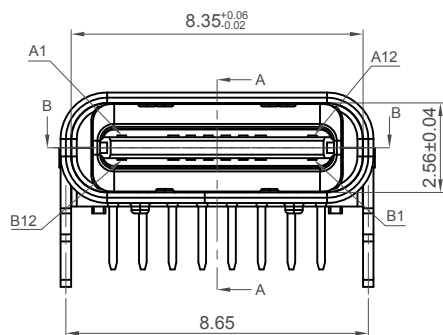
H
G
F
E
D
C
B
A



Section A-A



Section B-B



Detail C
Scale 2:1

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	Dp1	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: High Temp. Plastic UL 94V-0, Black
Contact: Copper Alloy (T=0.15mm)
Shell: Stainless steel (T=0.30mm)
Inner Ground Cover Shell: Stainless Steel (T=0.10mm)

Plating

Contact: Gold Flash over 50µ" min. Nickel
Solder Tails: 80µ" min. Matte Tin over 50µ" min. Nickel
Shell: 50µ" min. Nickel

Electrical

Current Rating: 3.00A collectively for Vbus pins
4.25A 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

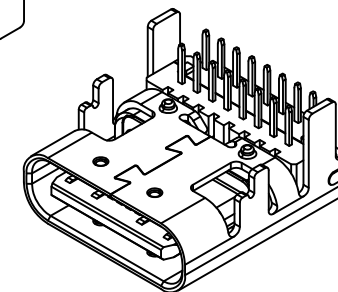
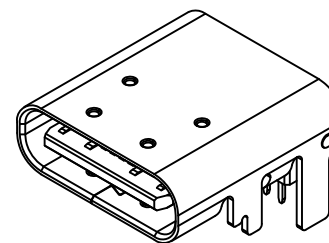
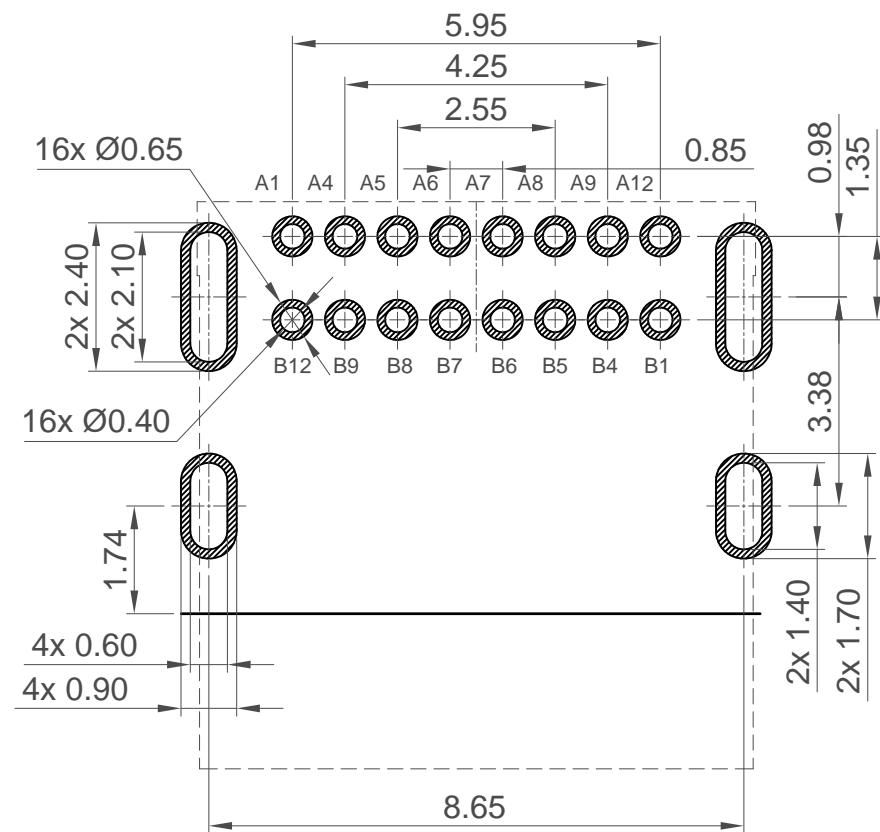
Mechanical & Environmental

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

Ordering Grid

USB4085	-	GF	-	A	Request Samples and Quotation
Contact Plating GF = Gold Flash					Packing Options A = Tape & Reel (700 per reel)

Part Number USB4085		Product Description USB 2.0 Type C Receptacle Dip Type, PCB Top Mount					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		www.gct.co					
Drawing Date 9th April 2018														
By CC	Drawing Release	Tolerances (Except as Noted)		Length						Angle	Units: Metric (mm)			
Detail	Revision A1	X. ± 0.50 X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10		± 2°							3rd Angle Projection			
Revision Date	10/08/18													



Recommended PCB Layout



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




Solder Area



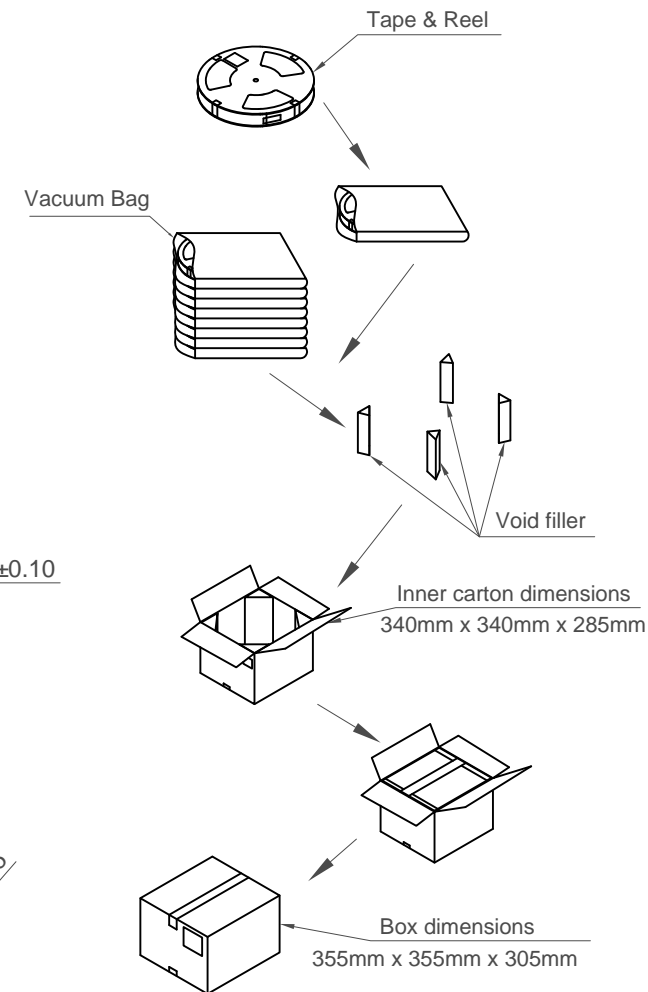
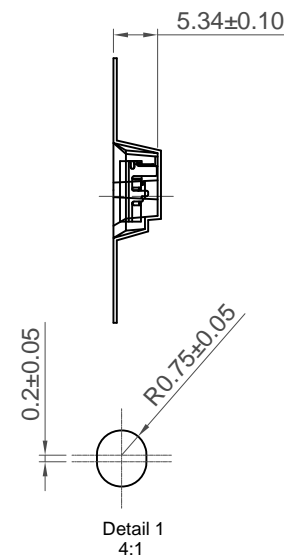
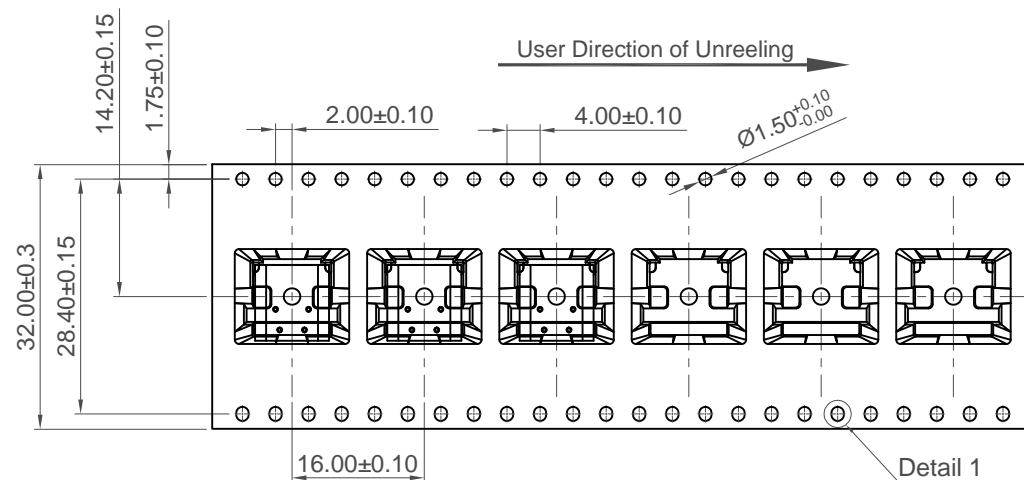
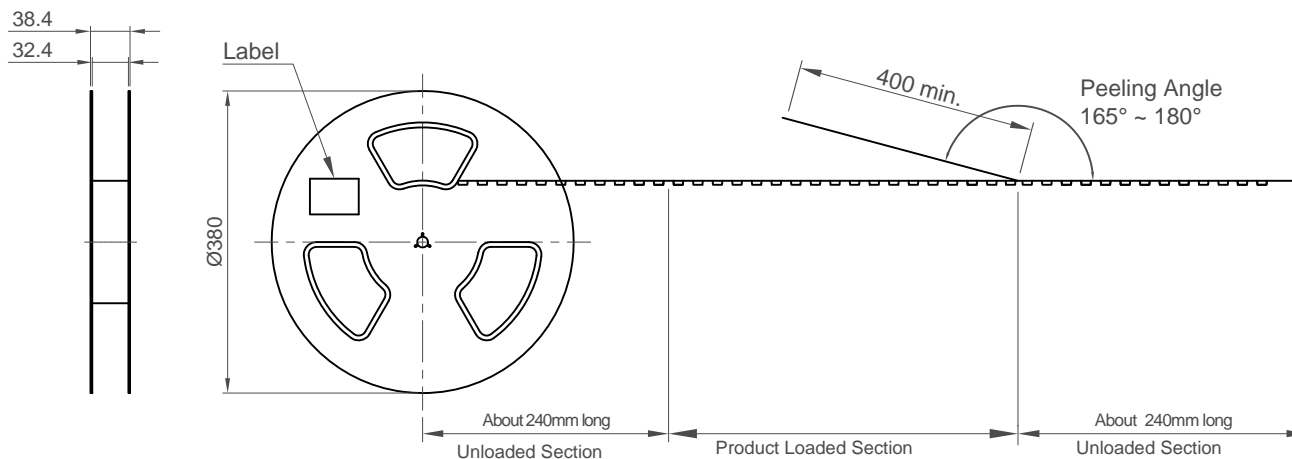
Component Outline

Part Number		Product Description	
USB4085		USB 2.0 Type C Receptacle	
Drawing Date		Dip Type, PCB Top Mount	
9th April 2018			
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A1	X. ± 0.50	Angle
Date	10/08/18	X.X ± 0.30	± 2°
		X.XX ± 0.20	3rd Angle Projection
		X.XXX ± 0.10	
			 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. 2/3



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Notes:

Peeling off force of top tape: 0.1-1.3N (Peeling direction as shown)

Materials:





Carrier Tape: Polystyrene (PS)

Top Tape: PE

Reel Tape: Polystyrene (PS)

Bag: PE

Pcs / Reel	Reels / Carton	Total Quality
700	7	4,900 pcs

Part Number		Product Description				
USB4085		USB 2.0 Type C Receptacle				
Drawing Date		Dip Type, PCB Top Mount				
9th April 2018						  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
By	CC	Tolerances (Except as Noted)		Units:	 3rd Angle Projection	
Detail	Drawing Release	Length	Angle	Metric (mm)		
Revision	A1	X. ± 0.50 X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10	± 2°			
Date	10/08/18					
						Not to Scale
						Drawn By CC
						Sheet No. 3/3
						www.gct.co