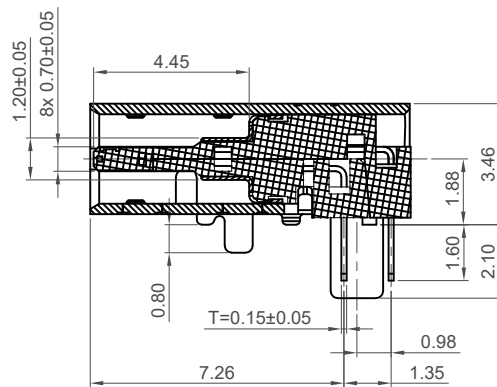
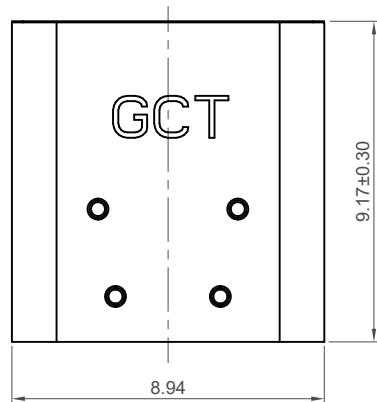
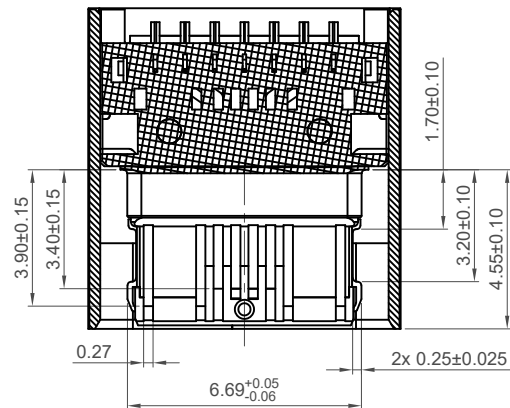
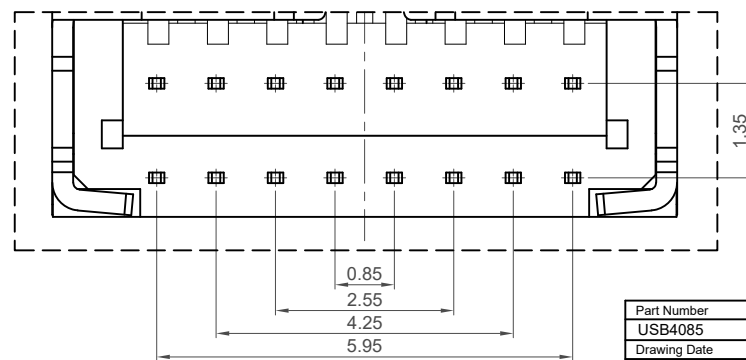
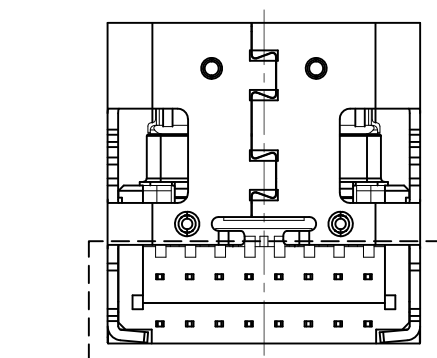
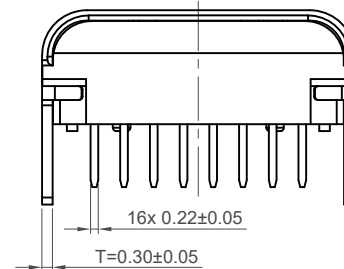
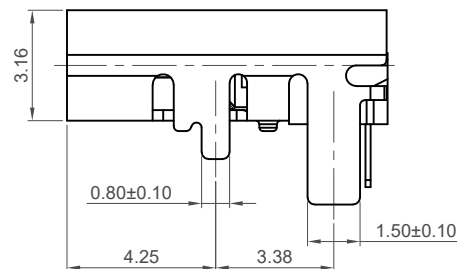
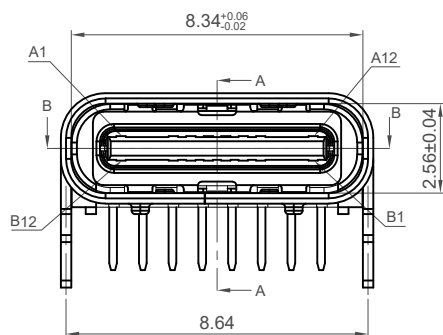




Section A-A



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	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: 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)
Mid-Plate: Stainless Steel (T=0.15mm)

Plating

Contact:
Contact Area: See Ordering Grid
Solder Tails: 80μ" min. Matte Tin
Unplating: 50μ" min. Nickel
Shell: 50μ" min. Nickel
Inner Ground Cover Shell & Mid-Plate: Cleaning

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

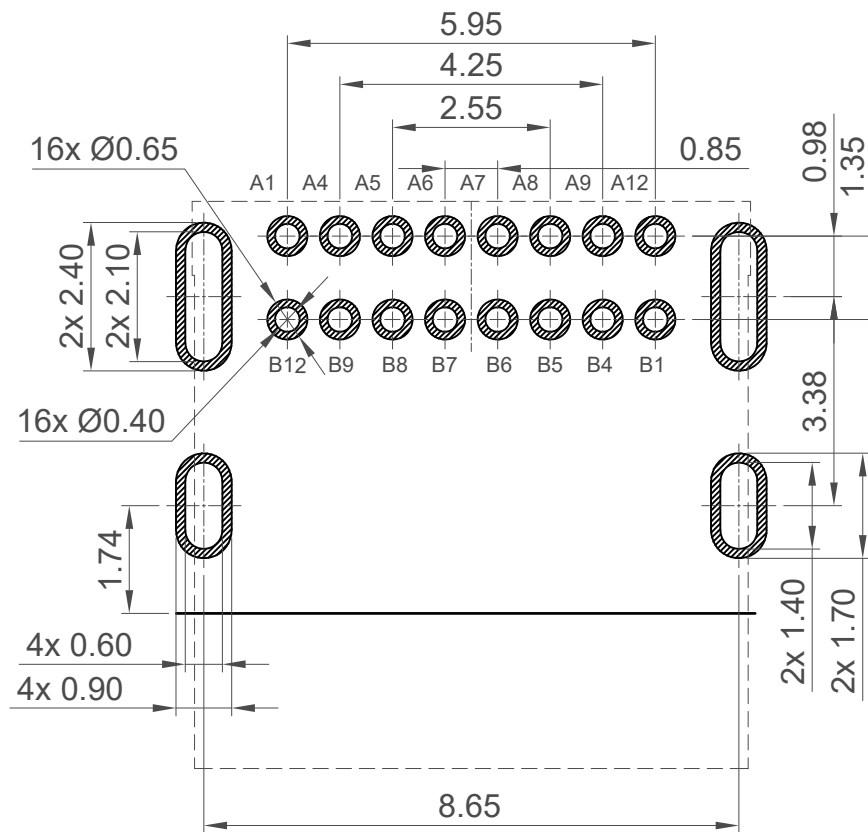
Ordering Grid

USB4085	XX	A	Request Samples and Quotation
Contact Plating			Packing Options
GF = Gold Flash (Standard)			A = Tape & Reel
30 = 30μ" Gold			(700 per reel)

Part Number		Product Description				 www.gct.co
USB4085		USB 2.0 Type C Receptacle Dip Type, PCB Top Mount				
Drawing Date						
9th April 2018						
By	CC	Tolerances (Except as Noted)		Units:	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. 1/3	
Detail	Drawing Release	Length	Angle	Metric (mm)		
Revision	A4	X. ± 0.50	± 2°	 3rd Angle Projection		
Date	27/07/21	X.X ± 0.30				
		X.XX ± 0.20				
		X.XXX ± 0.10				
						

GCT
www.gct.co

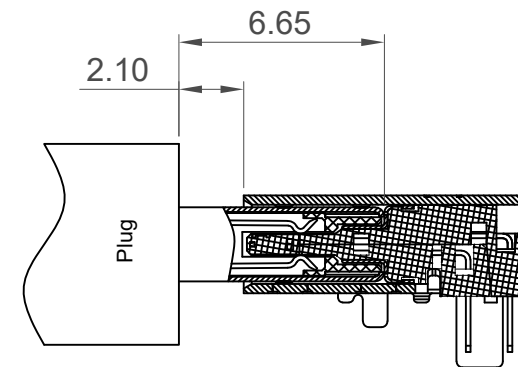
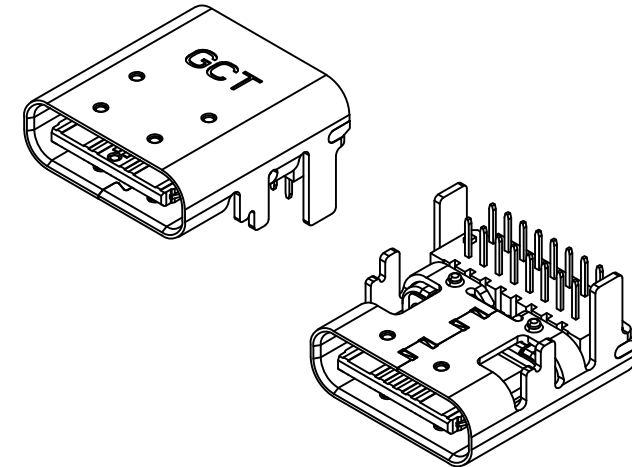
Not to Scale
Drawn By CC
Sheet No. 1/3



Recommended PCB Layout

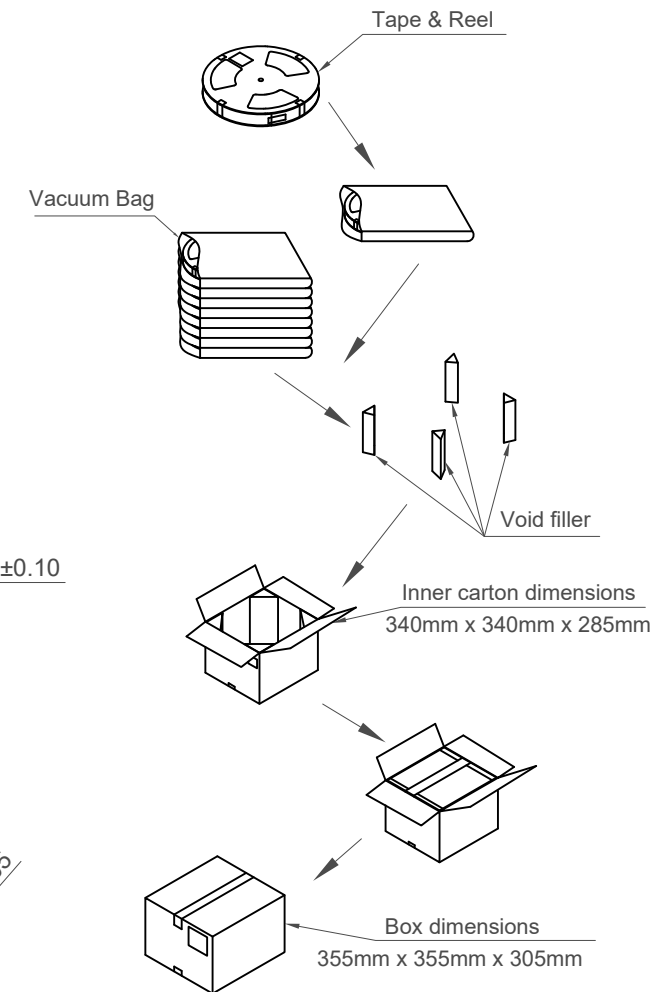
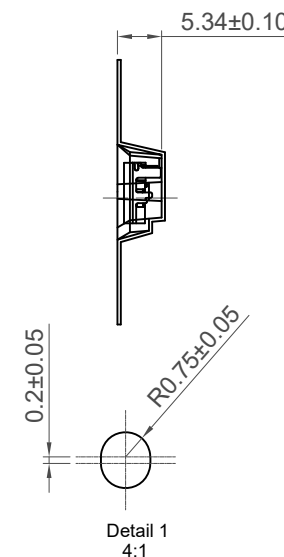
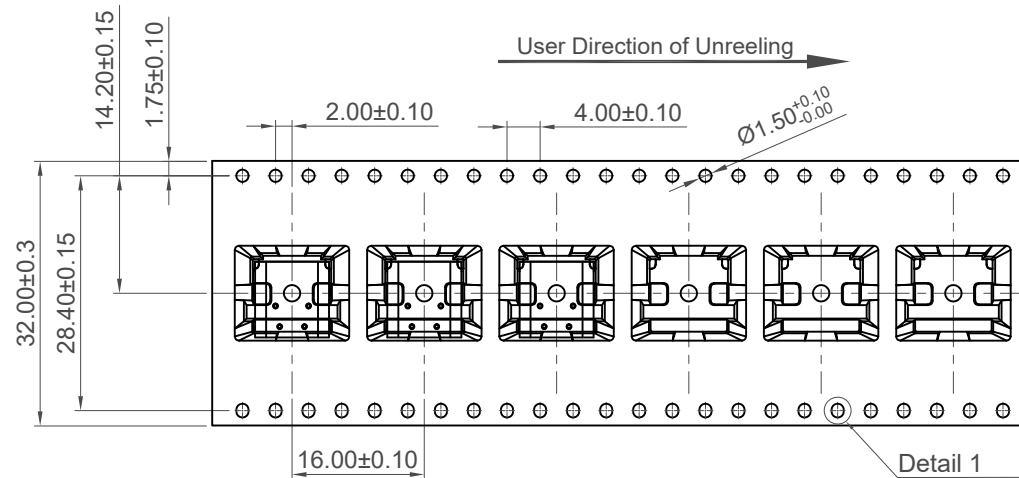
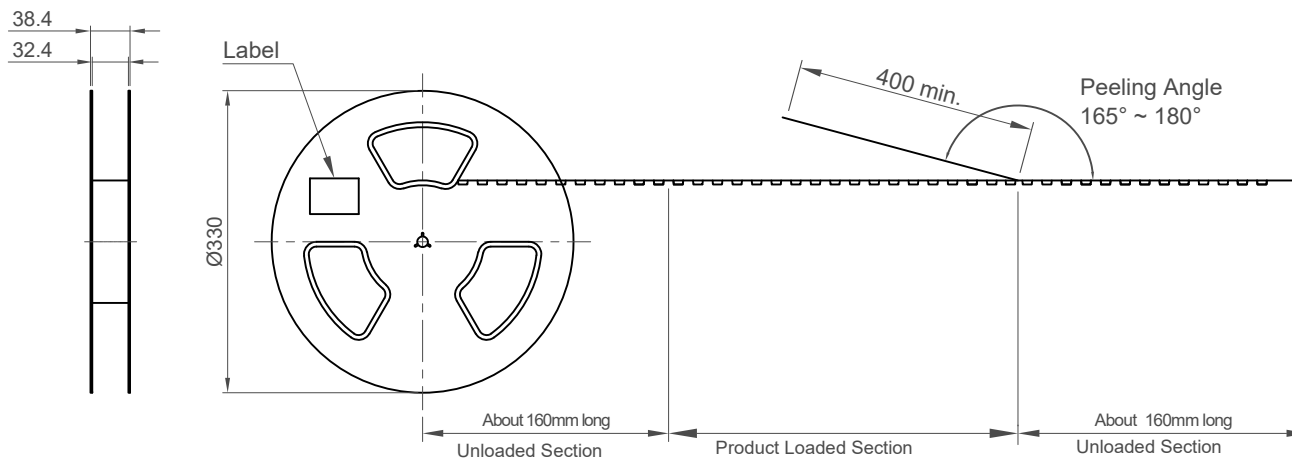
As viewed from component side Tolerance: $\pm 0.05\text{mm}$

 Solder Area  Component Outline



Plug and Receptacle Mating View

Part Number		Product Description				 www.gct.co
USB4085		USB 2.0 Type C Receptacle				
Drawing Date		Dip Type, PCB Top Mount				
9th April 2018						
By	CC	Tolerances (Except as Noted)		Units:	  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	Drawing Release	Length		Metric (mm)		
Revision	A4	X.X ± 0.50		 3rd Angle Projection		
Date	27/07/21	X.XX ± 0.30				
		X.XXX ± 0.10				
		Angle		$\pm 2^\circ$		
					 Not to Scale	
						 Drawn By CC



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				 www.gct.co	
USB4085		USB 2.0 Type C Receptacle Dip Type, PCB Top Mount					
Drawing Date							
9th April 2018							
By	CC	Tolerances (Except as Noted)		Units:	 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	Drawing Release	Length	Angle	Metric (mm)			
Revision	A4	X. ± 0.50		 3rd Angle Projection			
Date	27/07/21	X.X ± 0.30					
		X.XX ± 0.20					
		X.XXX ± 0.10					
					</		

Mouser Electronics

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