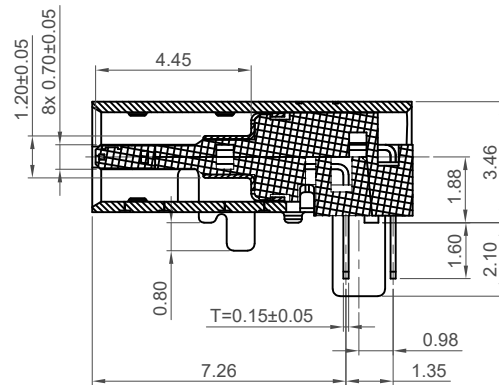
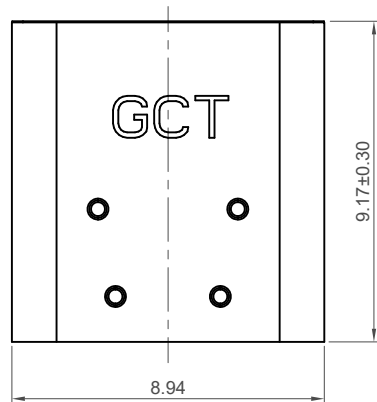
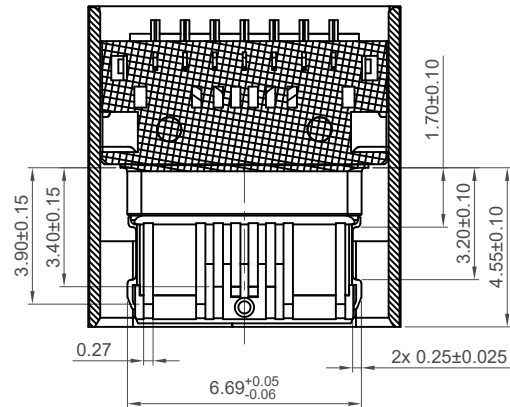


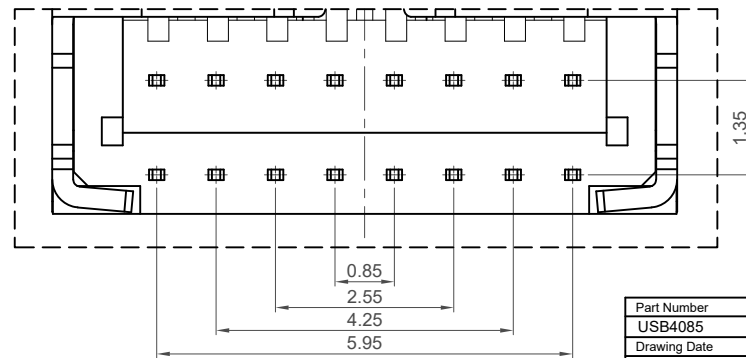
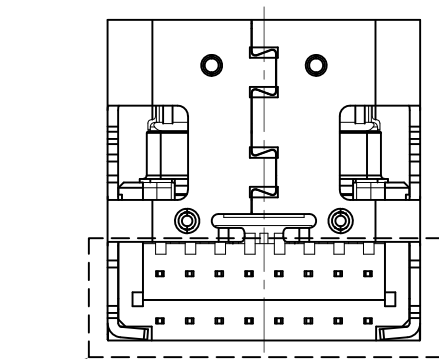
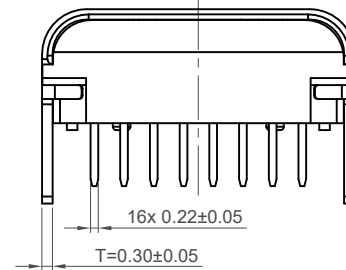
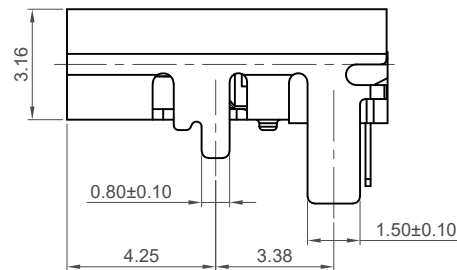
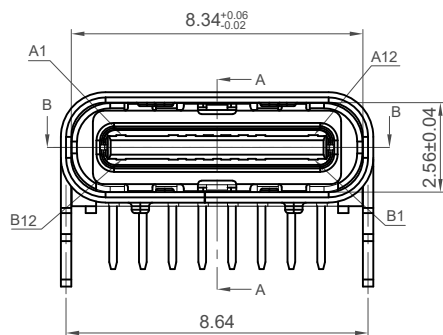
H
G
F
E
D
C
B
A



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	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 (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: Gold Flash
Underplating: 50µ" min. Nickel
Shell: 50µ" min. Nickel
Inner Ground Cover Shell & Mid-Plate: Clear

Electrical

Current Rating: 5.00A collectively for Vbus 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

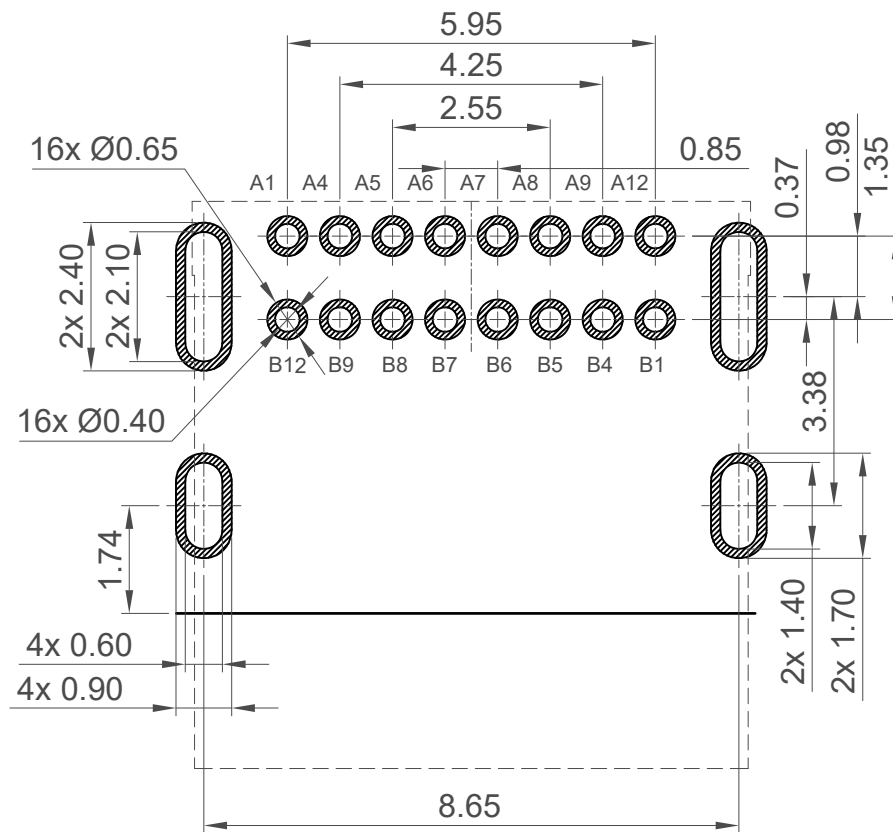
Durability: 20,000 cycles

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	
Detail	USB4085 B PCN	Length X, ± 0.50 XX ± 0.30		Metric (mm)		
Revision	B	X.XX ± 0.20		 3rd Angle Projection		
Date	28/02/2023	X.XXX ± 0.10				
		± 2°				

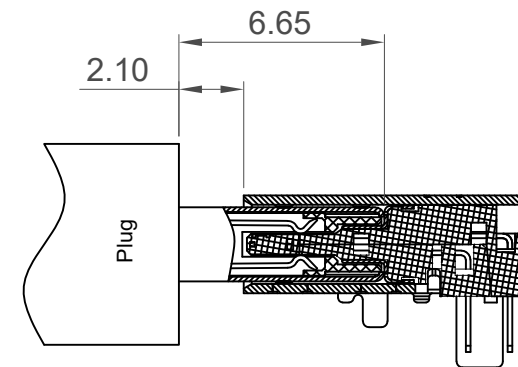
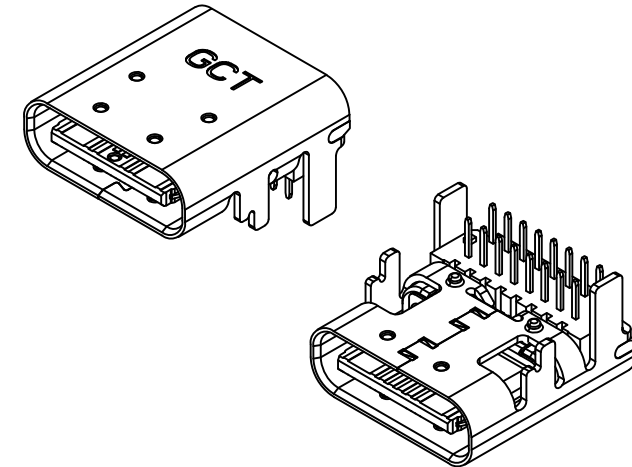
GCT
www.gct.co



Recommended PCB Layout

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

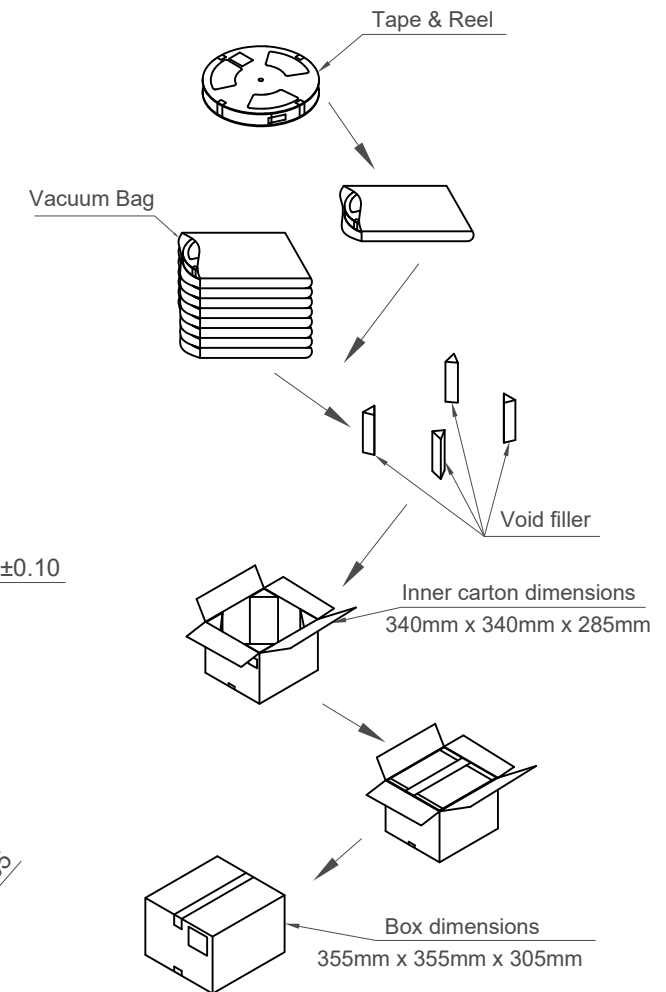
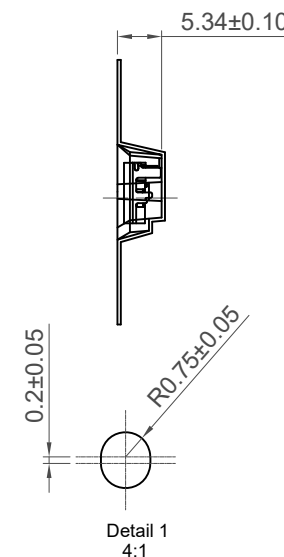
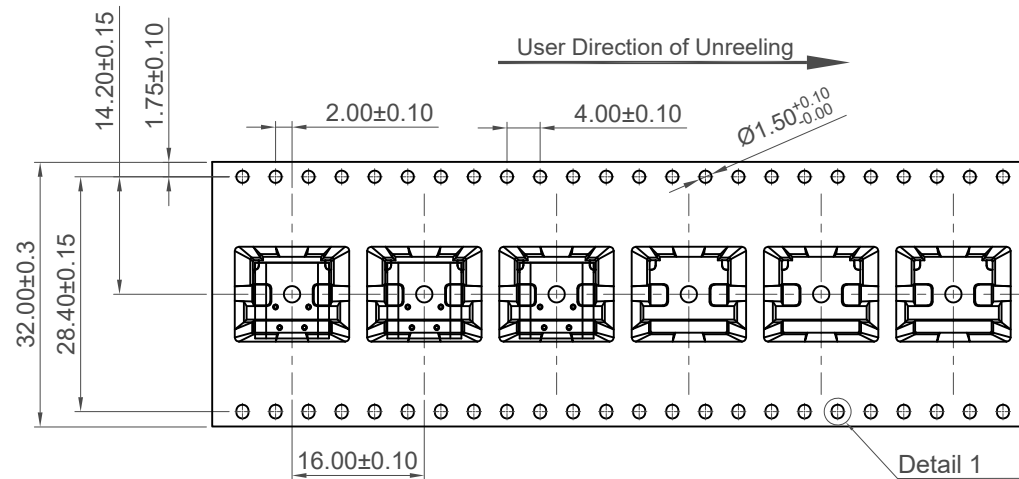
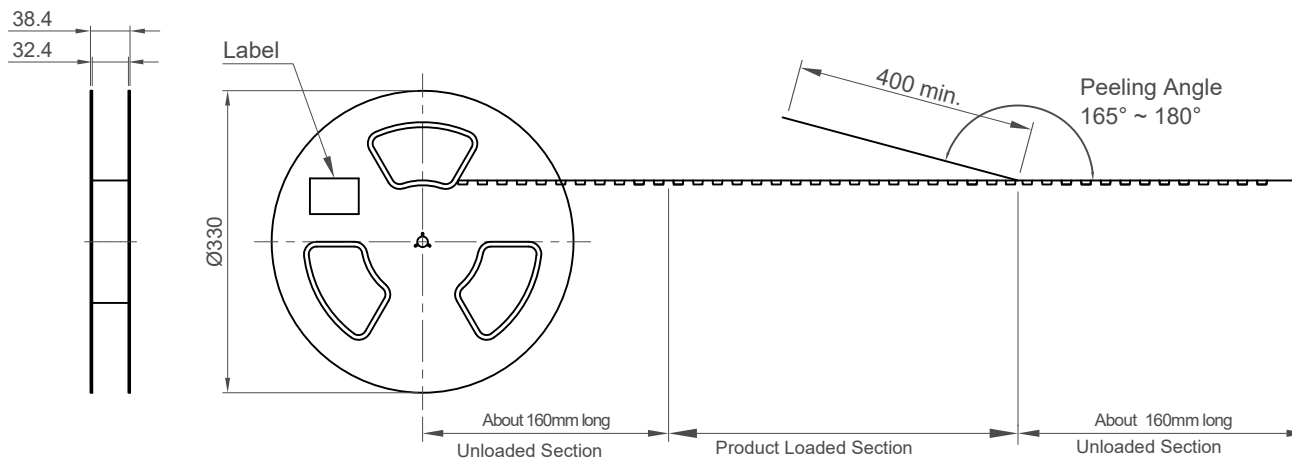
Solder Area Component Outline



Plug and Receptacle Mating View

Part Number		Product Description	
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	USB4085 B PCN	Length X. ± 0.50 X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10	Metric (mm)
Revision	B	Angle $\pm 2^\circ$	
Date	28/02/23		
		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	
		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				 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	USB4085 B PCN	Length	Angle	Metric (mm)		
Revision	B	$\pm 2^\circ$		 3rd Angle Projection		
Date	28/02/23					
		X. ± 0.50				
		X.X ± 0.30				
		X.XX ± 0.20				
		X.XXX ± 0.10				

Not to Scale	Drawn By CC	Sheet No. 3/3
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Mouser Electronics

Authorized Distributor

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[USB4085-GF-A](#)