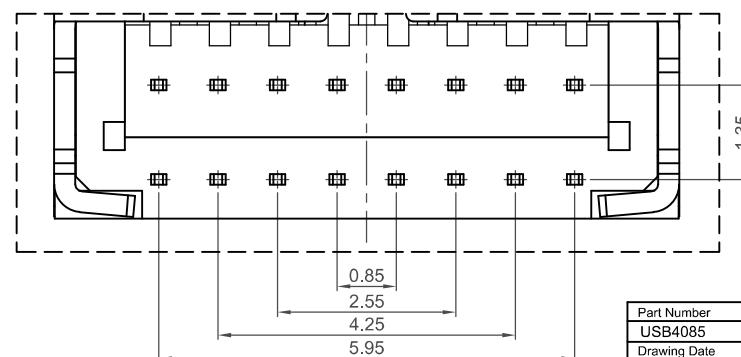
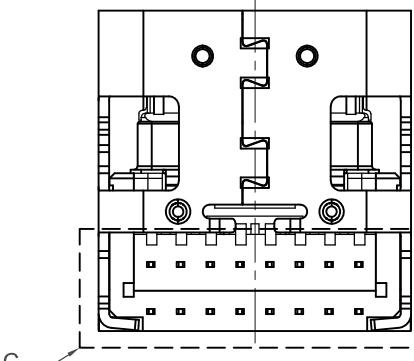
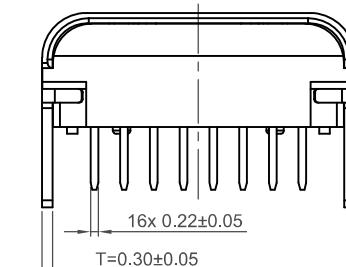
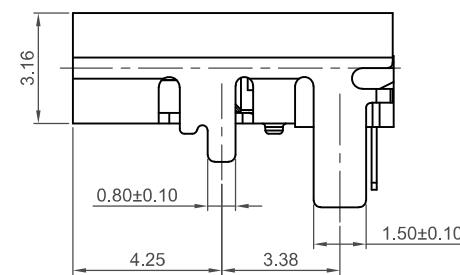
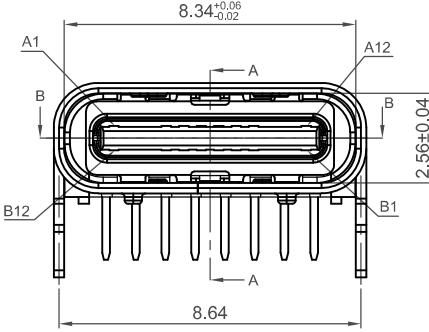


Section A-A

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		
GF = Gold Flash (Standard)		
30 = 30μ" Gold		

Packing Options
A = Tape & Reel
(700 per reel)

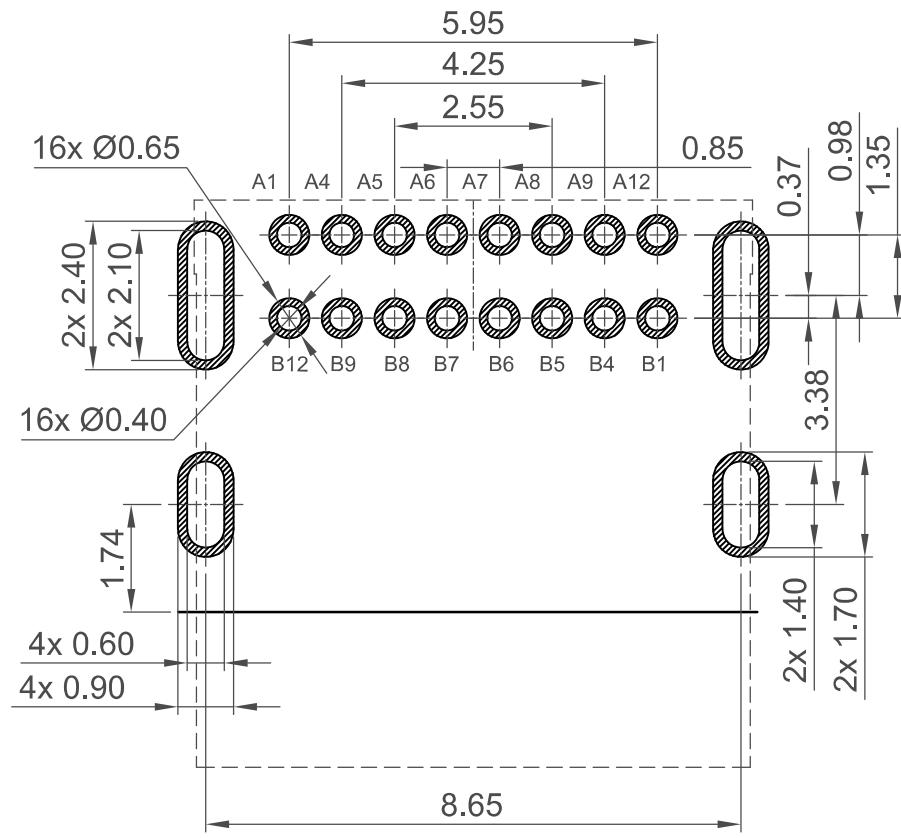
Part Number	Product Description
USB4085	USB 2.0 Type C Receptacle
Drawing Date	Dip Type, PCB Top Mount
9th April 2018	
By	CC
Detail	USB4085 B PCN
Revision	B
Date	28/02/23
Tolerances (Except as Noted)	Angle
X, ± 0.50	
X, X ± 0.30	
X, XX ± 0.20	
X, XXX ± 0.10	
Units:	Metric (mm)
± 2°	
3rd Angle Projection	

GCT

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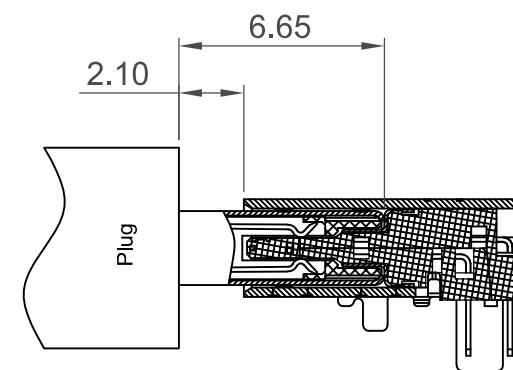
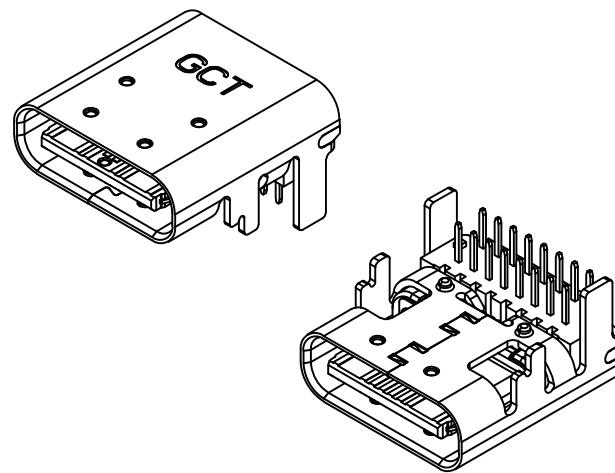
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Recommended PCB Layout
As viewed from component side Tolerance: $\pm 0.05\text{mm}$

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)	Angle
		Detail	USB4085 B PCN	X, ± 0.50 X, X, ± 0.30 XXX, ± 0.20 XXX, XXX, ± 0.10	Angle
		Revision	B	X, X, ± 0.30 XXX, ± 0.20 XXX, XXX, ± 0.10	$\pm 2^\circ$
		Date	28/02/23		Metric (mm)
					3rd 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					
Not to Scale		Drawn By CC		Sheet No. 2/3	

