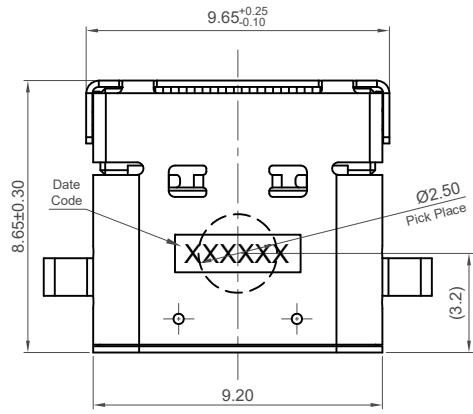
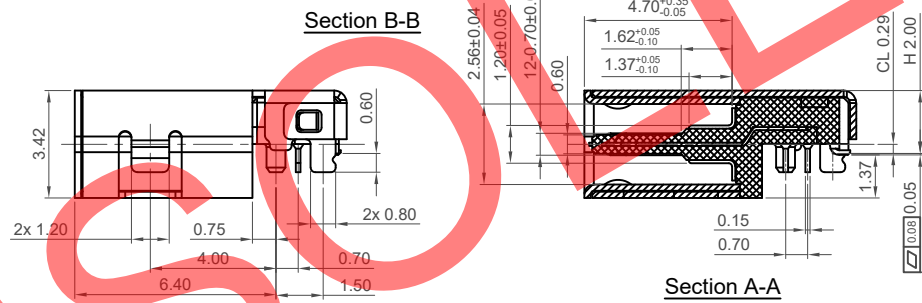
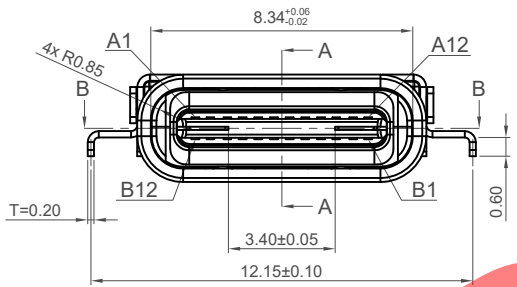
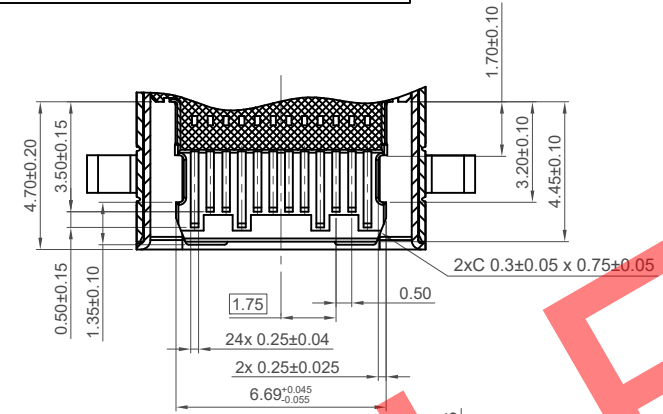


H  
G  
F  
E  
D  
C  
B  
A



GCT USB4060 is designed and manufactured to be compatible with USB Type C specification latest release. Compliance testing for products conforming to the USB type-C cable and connector specification are currently under development by the USB-IF.



Pin	Signal	Mating Sequence	Pin	Signal	Mating Sequence
A1	GND	First	B12	GND	First
A2	SSTXp1	Second	B11	SSRXp1	Second
A3	SSTXn1	Second	B10	SSRXn1	Second
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
A10	SSRXn2	Second	B3	SSTXn2	Second
A11	SSRXp2	Second	B2	SSTXp2	Second
A12	GND	First	B1	GND	First
SHELL	GND		SHELL	GND	

Specifications

Material

Insulator: High Temp. Plastic UL 94V-0, Black  
 Contact: High Grade Copper Alloy (T=0.15mm)  
 Shell: Stainless steel (T=0.20mm)  
 Inner Shell: Stainless Steel (T=0.20mm)  
 Ground Sleeve : Stainless Steel (T=0.10mm)  
 Mid Plate: Stainless Steel (T=0.10mm)

Plating

Contact: 30µ" Gold over 50µ" min. Nickel  
 Solder Tails: 80µ" min. Matte Tin over 50µ" min. Nickel  
 Shell: 50µ" min. Nickel  
 Inner Shell: 80µ" min. Nickel  
 Ground Sleeve: 50µ" min. Nickel

Electrical

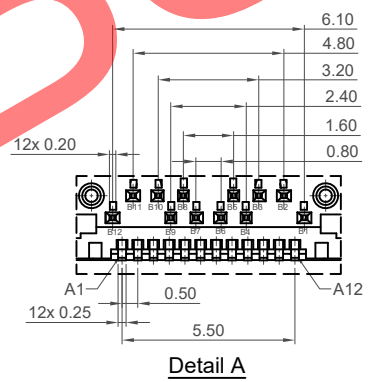
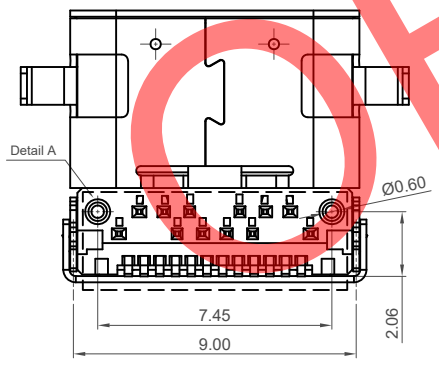
Current Rating: 5.00A collectively for Vbus pins  
 6.25A collectively for GND pins  
 1.25A for B5 pin  
 0.25A per pin for all other pins  
 Voltage Rating: 20V DC  
 Contact Resistance: 40mΩ max initial.  
 50mΩ max after test  
 Dielectric Withstanding Voltage: 100V AC  
 Insulation Resistance 100MΩ min

Mechanical & Environmental

Operating Temperature: -40°C to 85°C  
 Mating Force: 5 to 20 N.  
 Unmated Force: 8 to 20 N after test  
 Durability: 10,000 cycles

Section B-B

Section A-A



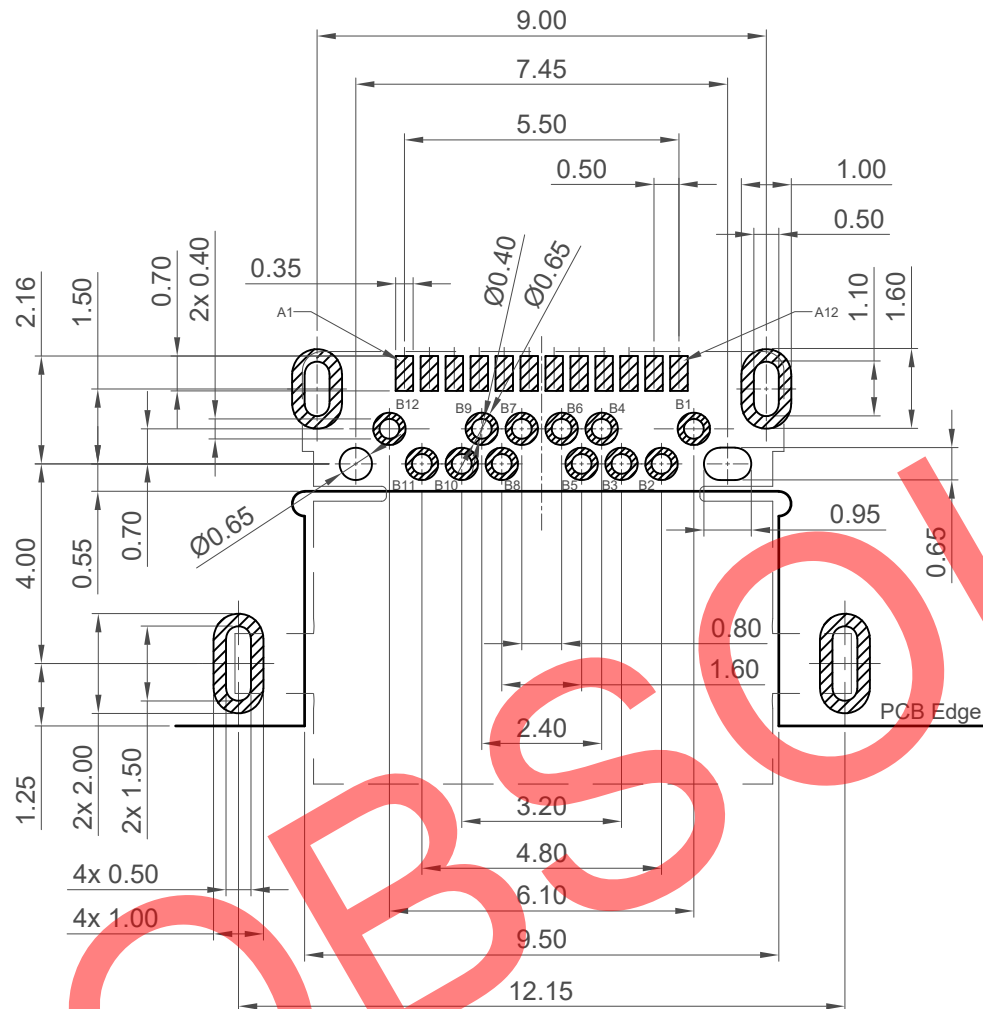
Ordering Grid

USB4060 - 30 - A Request Samples and Quotation

Contact Plating  
 30 = 30µ" Gold

Packing Options  
 A = Tape & Reel  
 (1,000 per reel)

Part Number USB4060		Product Description USB Type C Receptacle Hybrid type, PCB Mid Mount, 1.37mm Offset			
Drawing Date 21st April 2016					
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 AJO Sheet No. 1/3
Detail	USB4060 X PCN	Length X. ± 0.50 X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10	Angle ± 2°		
Revision	X				
Date	29/06/23				

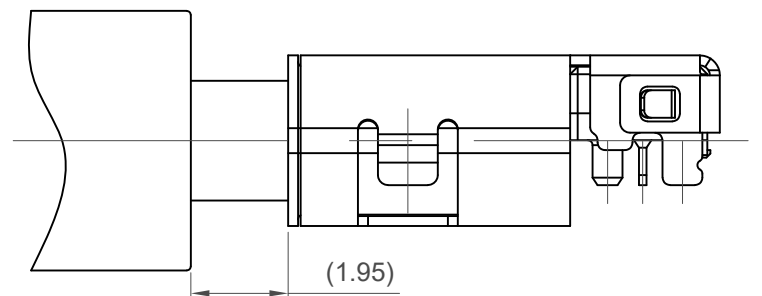
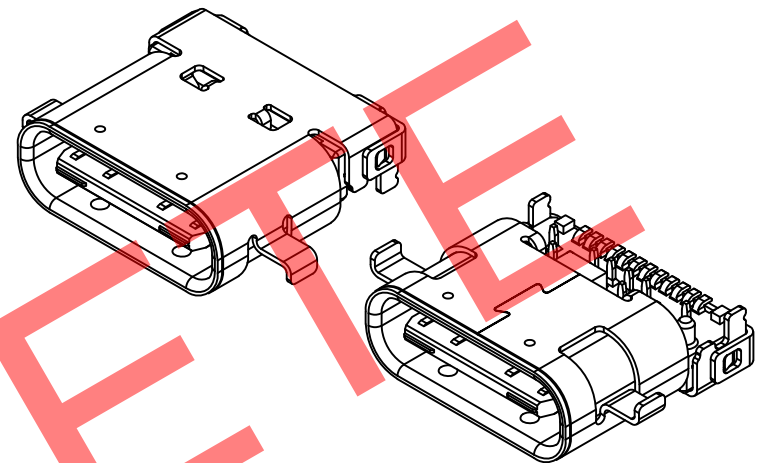


**Recommended PCB Layout**





*As viewed from component side*

*Recommended PCB Thickness: 0.60mm Tolerance: ±0.05mm*

▨ Solder Area    □ Component Outline

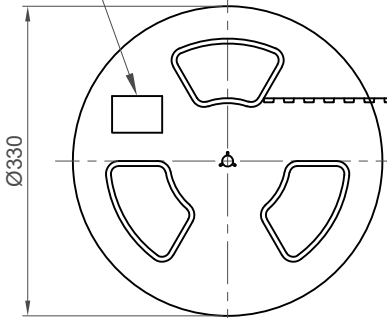


**Mating View**

Part Number		Product Description		 <a href="http://www.gct.co">www.gct.co</a>	
USB4060		USB Type C Receptacle			
Drawing Date		Hybrid type, PCB Mid Mount, 1.37mm Offset			
21st April 2016					
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	USB4060 X PCN	Length	Angle	Metric (mm)	
Revision	X	X. ± 0.50		± 2°	
Date	29/06/23	X.X ± 0.30			
		X.XX ± 0.20			
		X.XXX ± 0.10			
Not to Scale	Drawn By	Sheet No.			
	AJO	2/3			

38.4  
32.4

Label



Ø330

About 160mm long

Unloaded Section

Product Loaded Section

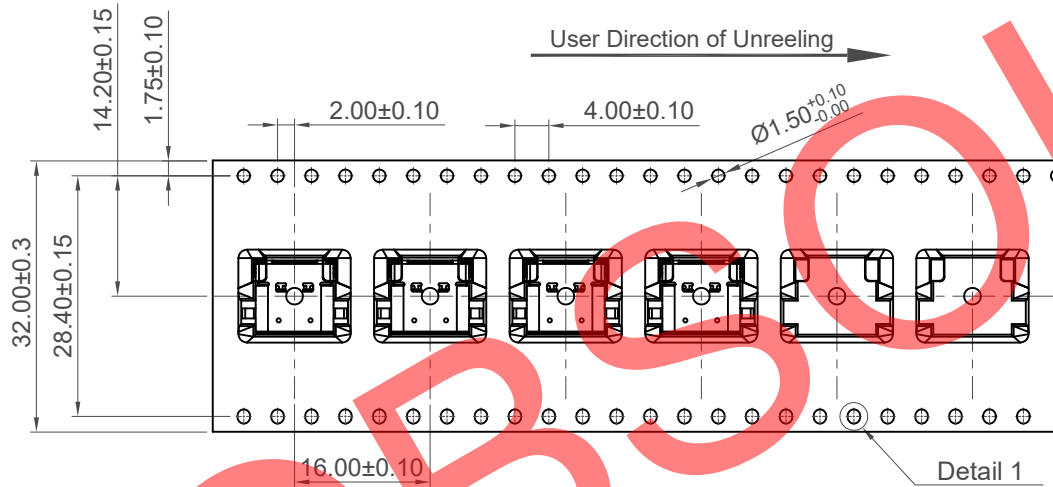
About 160mm long

Unloaded Section



Peeling Angle  
165° ~ 180°

User Direction of Unreeling



14.20±0.15  
1.75±0.10

2.00±0.10

4.00±0.10

Ø1.50<sup>+0.10</sup><sub>-0.00</sub>

32.00±0.3  
28.40±0.15

16.00±0.10

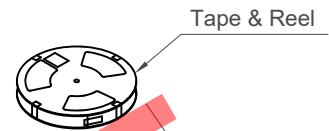
Detail 1

3.75±0.10

0.2±0.05

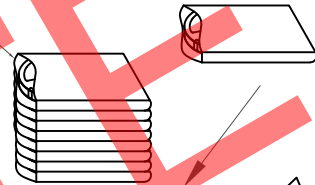
R0.75±0.05

Detail 1  
4:1

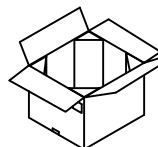


Tape & Reel

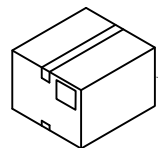
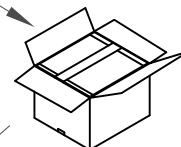
Vacuum Bag



Void filler



Inner carton dimensions  
340mm x 340mm x 285mm



Box dimensions  
355mm x 355mm x 305mm

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
1000	7	7,000 pcs

Part Number USB4060		Product Description USB Type C Receptacle Hybrid type, PCB Mid Mount, 1.37mm Offset	
Drawing Date 21st April 2016			
By CC	Tolerances (Except as Noted) Length X. ± 0.20 X PCN X.X ± 0.15	Units: Metric (mm)	RoHS COMPLIANT 2011/65/EC
Detail Revision Date	X X.XX ± 0.10 X.XXX ± 0.05	± 1°	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
	29/06/23	3rd Angle Projection	



Not to Scale  
Drawn By AJO  
Sheet No. 3/3