

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=0.25mm)  
 Inner Ground Cover Shell: 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  
 Cover Shell: 80µ" min. Nickel  
 Inner Ground Cover Shell: 50µ" min. Nickel

**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: 30mΩ 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**  
**USB4070** - **30** - **C** Request Samples and Quotation

**Contact Plating**  
 30 = 30µ" Gold

**Packing Options**  
 C = Tape & Reel with Cap  
 (400 per reel)

Part Number USB4070		Product Description USB 3.2 Gen2 Type C Receptacle Vertical, SMT with Shell Stakes & Locating Pegs		<b>USB-IF TID NO. : 5200000364</b> <b>IEC 62680-1-3: 2022</b>		
Drawing Date 5th May 2016				<b>GCT</b> www.gct.co		
By KY	Tolerances (Except as Noted) Length X. ± 0.50 X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10	Angle ± 2°	Units: Metric (mm)			  <small>This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E &amp; OE</small>
Detail USB4070 C PCN						
Revision CB						
Date 07/11/25						
Not to Scale		Drawn By AJO		Sheet No. 1/3		



38.4  
32.4

LABEL

Ø380

400 min.  
Peeling Angle  
165° ~ 180°

About 160mm long

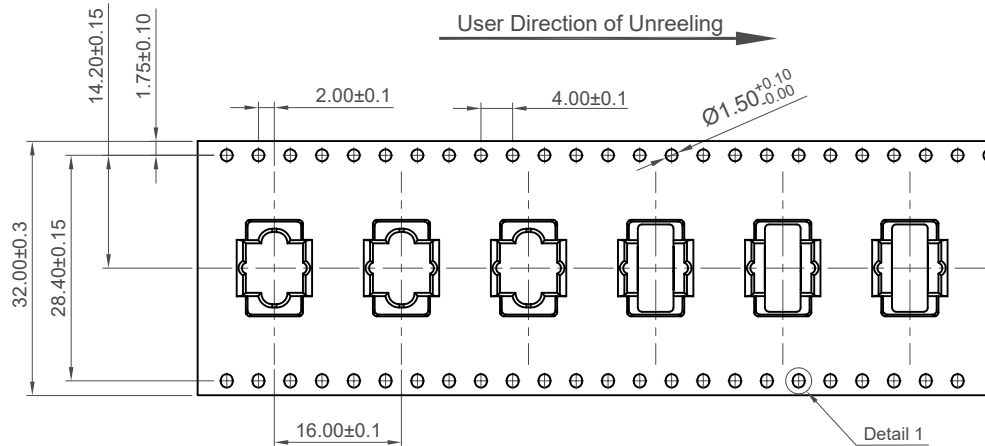
Unloaded Section

Product Loaded Section

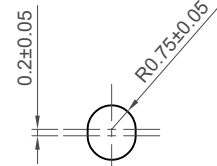
About 160mm long

Unloaded Section

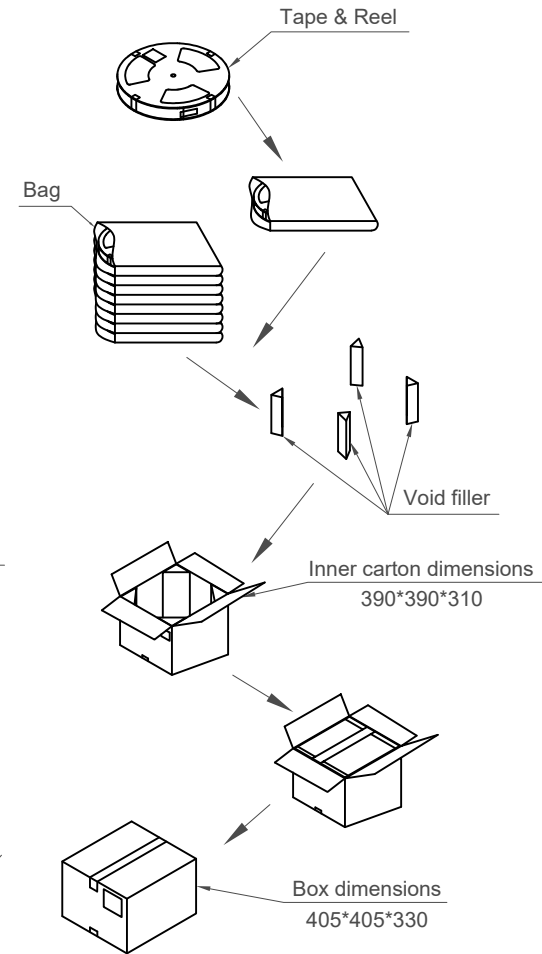
User Direction of Unreeling



13.50±0.1



Detail 1  
4:1



Inner carton dimensions  
390\*390\*310

Box dimensions  
405\*405\*330

Pcs / Reel	Reels / Carton	Total Quantity
400	8	3,200 pcs

Note

- Material  
Box: Fibreboard, corrugated, double wall.  
Tape: Polystyrene, heat-resistant temperature: 120°C, Black colour.  
Reel: Polystyrene, heat-resistant temperature: 70°C, Blue colour.  
Bag: Polyethylene, heat-resistant temperature: 100°C.

2. Peeling strength: 0.1 ~ 1.3 N (10 ~ 130 grams)

3. Peeling speed: 300 mm/min.

4. Each bag includes desiccant.

Part Number		Product Description	
USB4070		USB 3.2 Gen2 Type C Receptacle	
Drawing Date		Vertical, SMT with Shell Stakes & Locating Pegs	
5th May 2016			
By	KY	Tolerances (Except as Noted)	Units:
Detail	USB4070 C PCN	Length	Metric (mm)
Revision	CB	Angle	
Date	07/11/25		



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

H  
G  
F  
E  
D  
C  
B  
A

1 2 3 4 5 6 7 8