

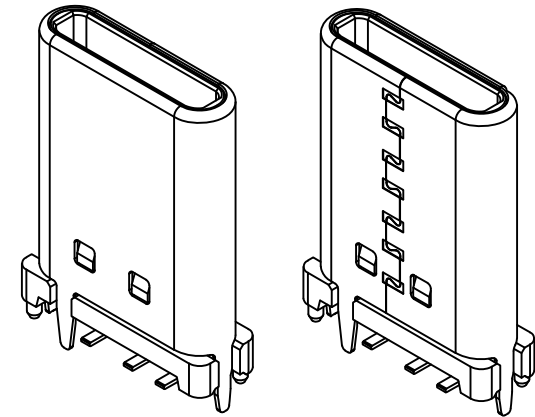
#### Ordering Grid

USB4180 - 03 - 0120 - C [Request Samples and Quotation](#)

Contact Plating  
03 = 3μ" Gold

Shell Stake Length "S"  
0120 = 1.20mm

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



#### Specifications

##### Material

Insulator: LCP, UL 94V-0, Black  
Contact: Copper Alloy  
Shell: Stainless Steel

##### Plating

##### Contact

Contact Area: 3μ" Au over 50μ" min. Nickel  
Solder Tails: 80μ" min. Sn over 50μ" min. Nickel  
Shell: 30μ" min. Nickel

##### Electrical

Current Rating: 3.00A collectively for Vbus pins  
4.25A collectively for GND pins  
1.25A for A5/B5 pin

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: -25°C to +85°C  
Mating Force: 5N max.  
Unmated Force: 3N max.  
Durability: 10,000 cycles

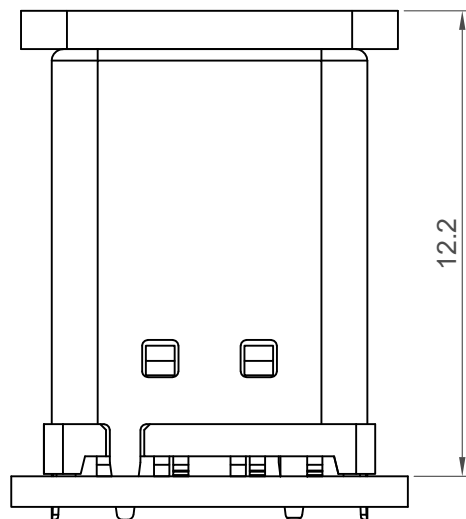
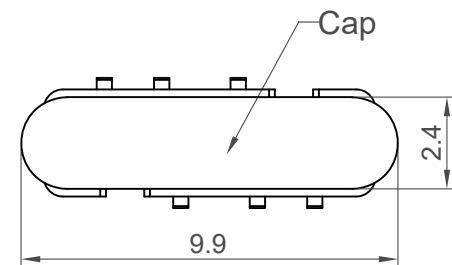
Part Number		Product Description	
USB4180		Type C Plug, Vertical, SMT, For Power Charging Only	
Drawing Date		6 Pin, Without Latches	
24th March 2023			
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A	Angle	
Date	24/03/23	X.X ± 0.30 X.XX ± 0.25 X.XXX ± 0.10	



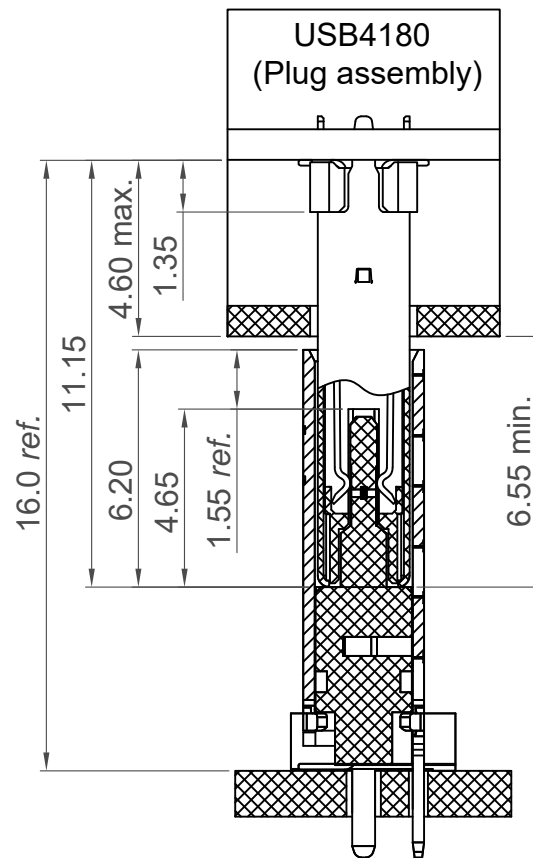
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Not to Scale  
Drawn By CC  
Sheet No. 1/3

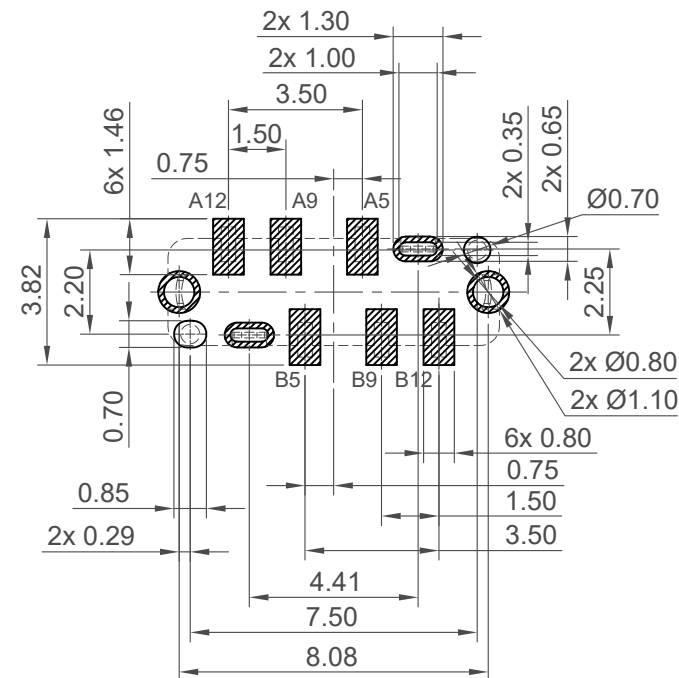
H  
G  
F  
E  
D  
C  
B  
A



PCB Mount&Cap Information



USB4175  
(Receptacle assembly)



Recommended PCB Layout

Thickness  $0.8 \pm 0.10\text{mm}$

Tolerance:  $\pm 0.05\text{mm}$

Solder Area Component Outline

Pin	Signal	Mating Sequence
A5	CC1	Second
A9	V <sub>BUS</sub>	First
A12	GND	First
B5	CC2	Second
B9	V <sub>BUS</sub>	First
B12	GND	First
SHELL	GND	

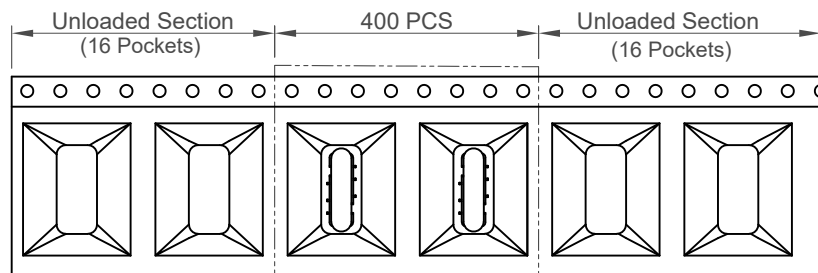
Part Number USB4180		Product Description Type C Plug, Vertical, SMT, For Power Charging Only 6 Pin, Without Latches	
Drawing Date 24th March 2023			
By CC	Drawing Release	Tolerances (Except as Noted) Length X.X $\pm 0.30$ X.XX $\pm 0.25$ X.XXX $\pm 0.10$	Units: Metric (mm)
Detail			
Revision A			
Date 24/03/23			



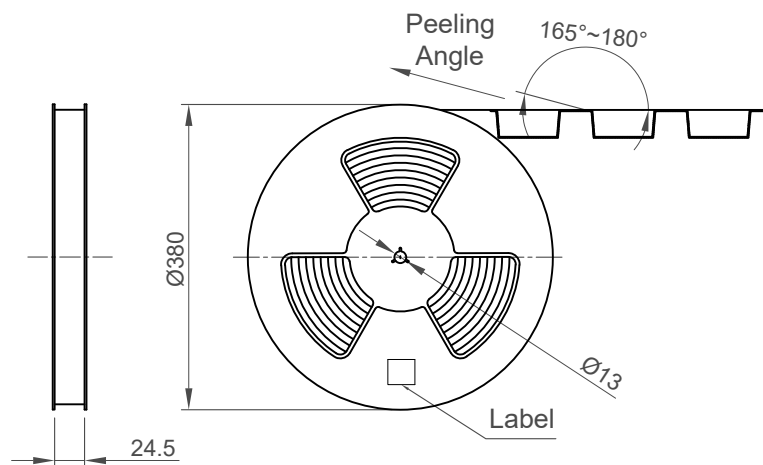
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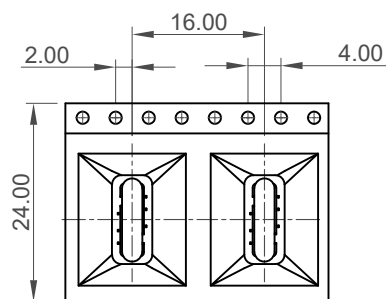
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Direction of Unreeling

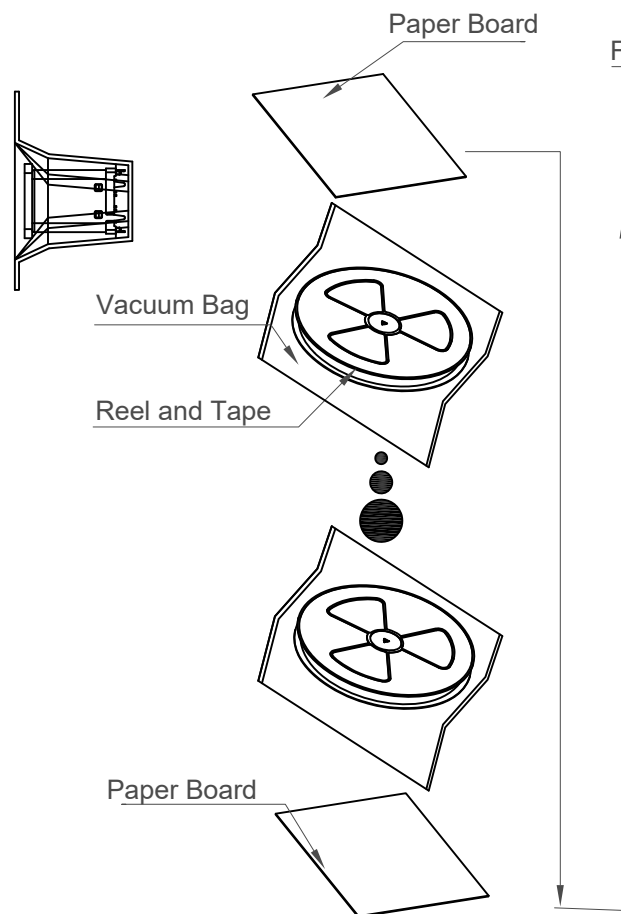


Direction of Unreeling

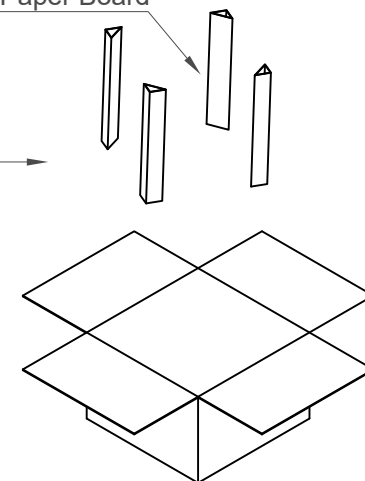


Detail: E

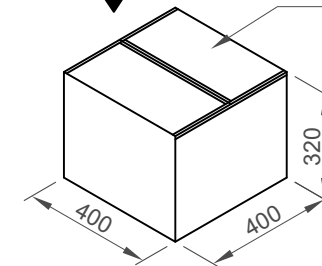
Pcs / Reel	Reels / Carton	Total Quantity
400	10	4000 pcs



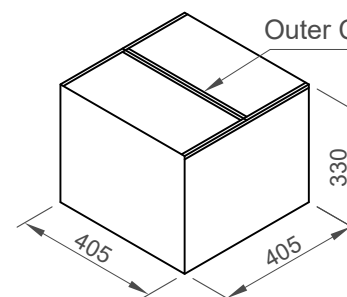
Folder Paper Board



Inner Carton



Outer Carton



Part Number USB4180		Product Description Type C Plug, Vertical, SMT, For Power Charging Only 6 Pin, Without Latches	
Drawing Date 24th March 2023			
By CC	Detail Drawing Release	Tolerances (Except as Noted) Length X.X ± 0.30 X.XX ± 0.25 X.XXX ± 0.10	Units: Metric (mm)
Revision A	Date 24/03/23	3rd Angle Projection	
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