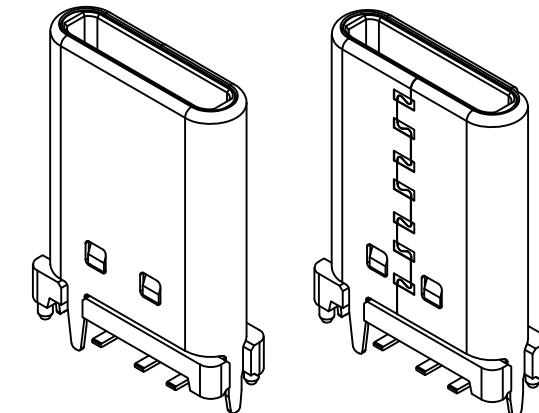


Ordering Grid

USB4180 - 03 - 0120 - C
 Contact Plating: 03 = 3 μ " Gold
 Shell Stake Length "S": 0120 = 1.20mm

Request Samples and Quotation
 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: 3 μ " Au over 50 μ " min. Nickel
 Solder Tails: 80 μ " min. Sn over 50 μ " min. Nickel
 Shell: 30 μ " 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: 40m Ω max initial.
 50m Ω max after test

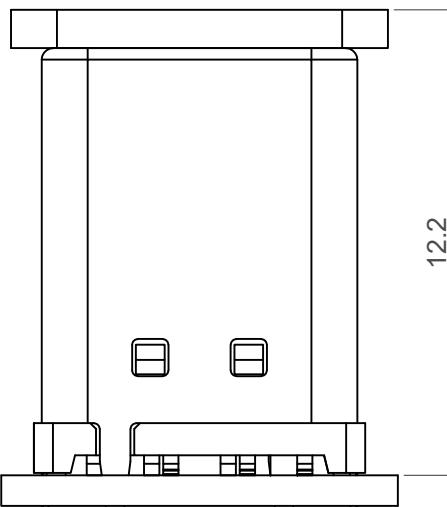
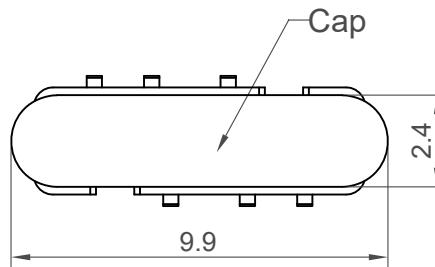
Dielectric Withstanding Voltage: 100V AC
 Insulation Resistance 100M Ω min

Mechanical & Environmental

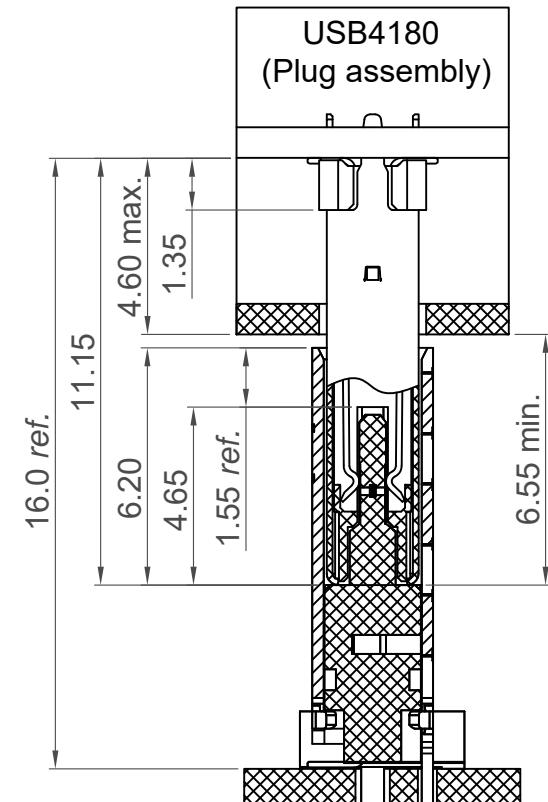
Operating Temperature: -25°C to +85°C
 Mating Force: 5N max.
 Unmated Force: 3N max.
 Durability: 10,000 cycles

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: Metric (mm)	
Detail	Drawing Release	Length	Angle
Revision A		X.XX ± 0.30	-
Date 24/03/23		X.XXX ± 0.25	X.XXX ± 0.10
		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. 1/3	

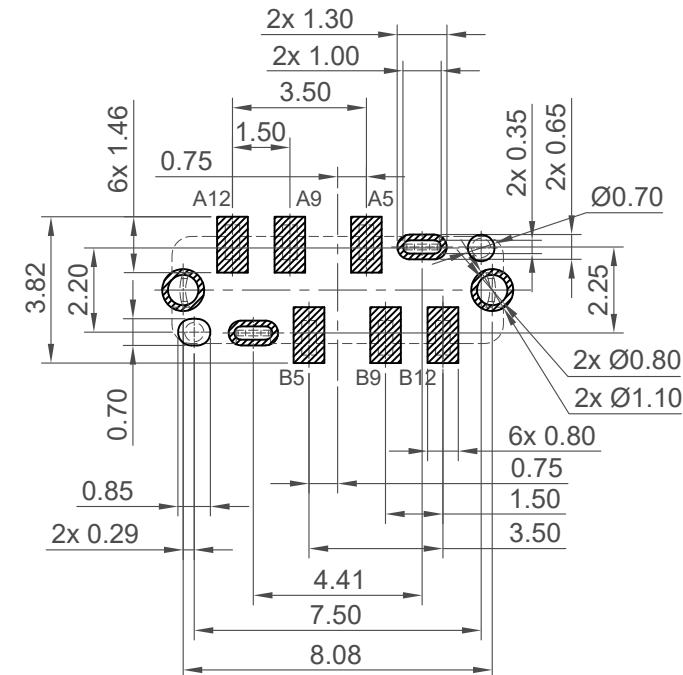
GCT
www.gct.co



PCB Mount&Cap Information



USB4175
(Receptacle assembly)



Recommended PCB Layout

Thickness 0.8 ± 0.10 mm

Tolerance: ± 0.05 mm

■ Solder Area □ Component Outline

Pin	Signal	Mating Sequence
A5	CC1	Second
A9	VBUS	First
A12	GND	First
B5	CC2	Second
B9	VBUS	First
B12	GND	First
SHELL		GND

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)
	Detail	Drawing Release	Length Angle
			X.XX \pm 0.30 XXX \pm 0.25 XXXX \pm 0.10
	Revision	A	-
	Date	24/03/23	Units: Metric (mm) 3rd Angle Projection

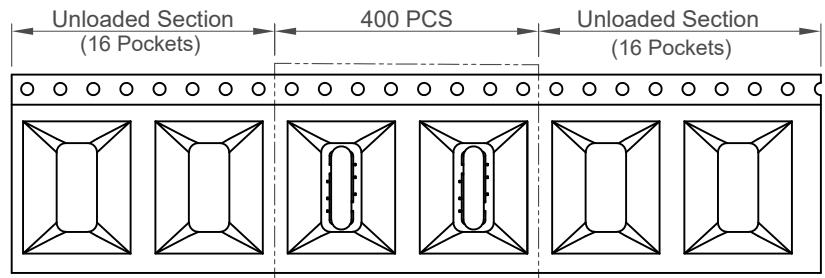


This drawing is confidential and
copyright of Global Connector
Technology, Ltd (GCT).
This drawing must not be copied
or disclosed without written
consent. E & OE

GCT

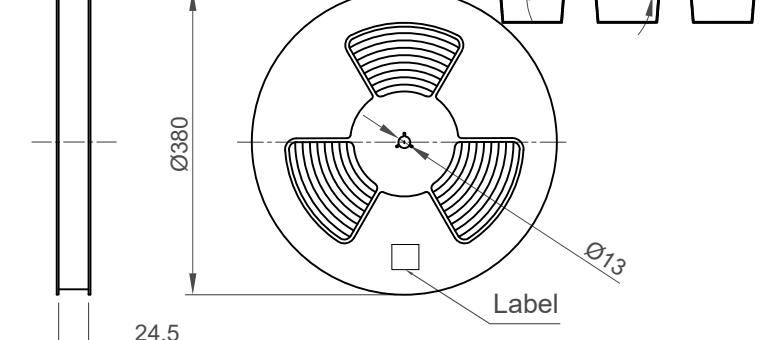
www.gct.co

Not to Scale Drawn By CC Sheet No. 2/3

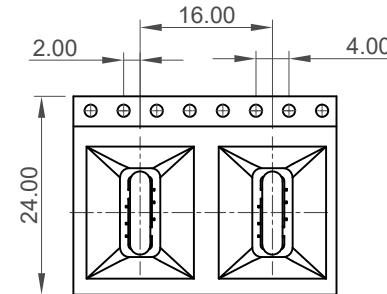


Direction of Unreeling

Peeling Angle
165°~180°

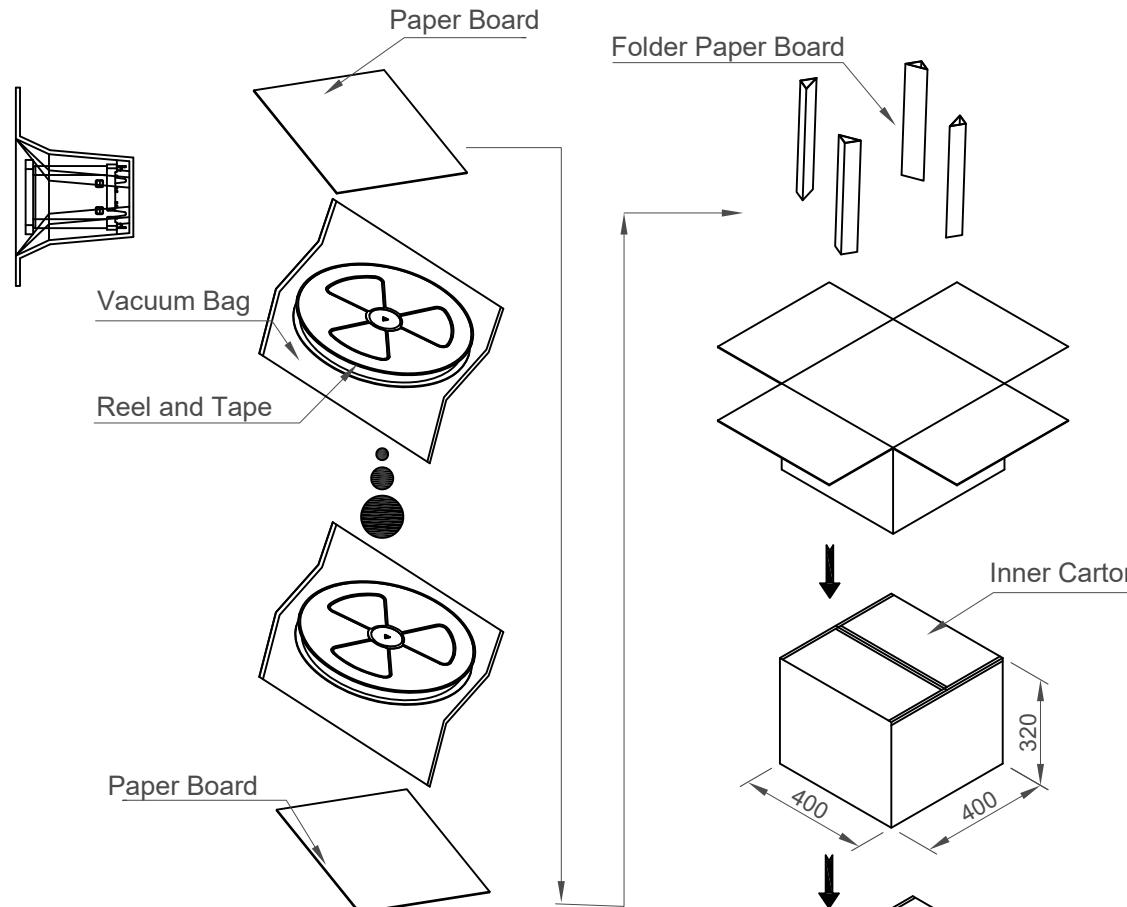


Direction of Unreeling



Detail: E

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



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		Length X.X ± 0.30 XXX ± 0.25 XXXX ± 0.10	Angle Metric (mm)
Revision	A		
Date	24/03/23		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

GCT

www.gct.co

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Global Connector Technology \(GCT\):](#)

[USB4180-03-0120-C](#)