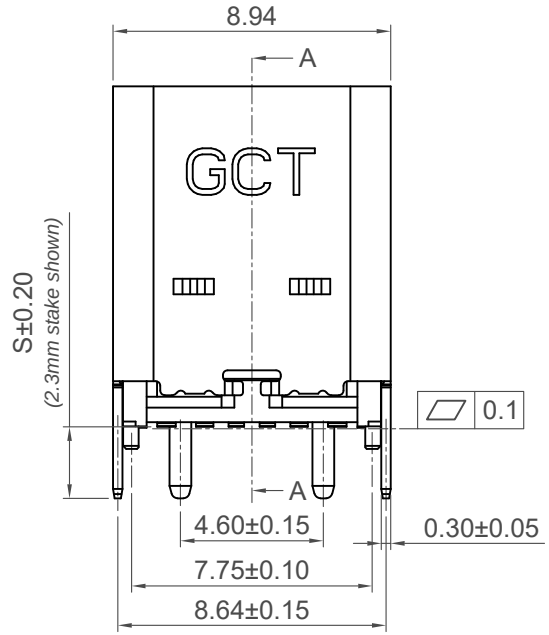
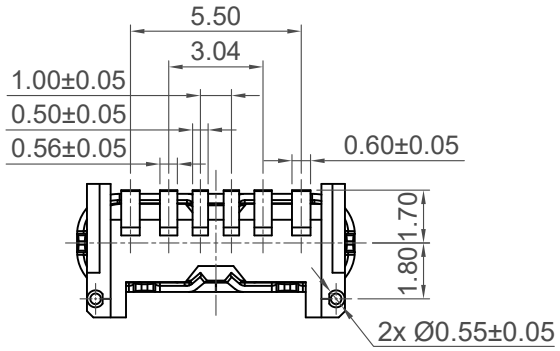
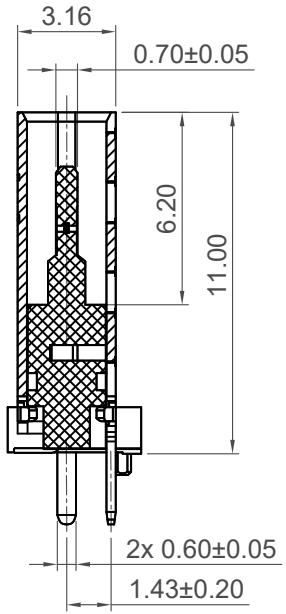
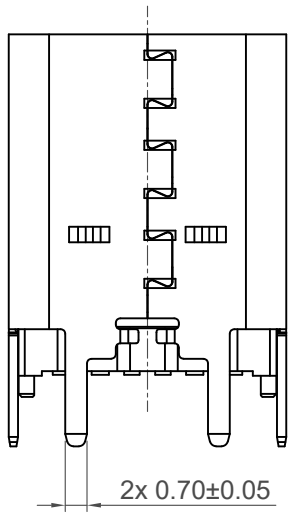








Section:A-A



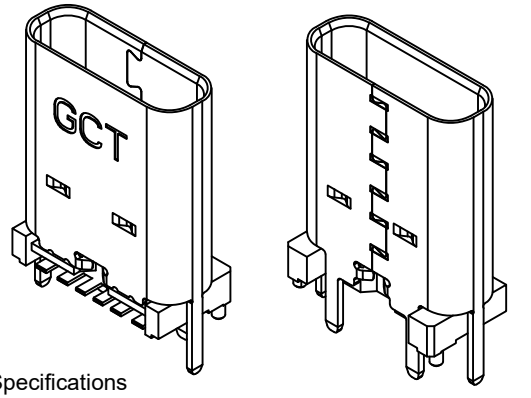
Ordering Grid

USB4175 – GF – XXXX – C Request Samples and Quotation

Contact Plating
GF = Gold Flash

Shell Stake Length "S"
0230 = 2.30mm (Standard)
0070 = 0.70mm (Not tooled)
0170 = 1.70mm (Not tooled)
(Please contact GCT for not tooled parts)

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



Specifications

Material
Insulator: PA9T, UL 94V-0, Black
Contact: Copper Alloy
Shell: Stainless Steel
Middle Plate: Stainless Steel

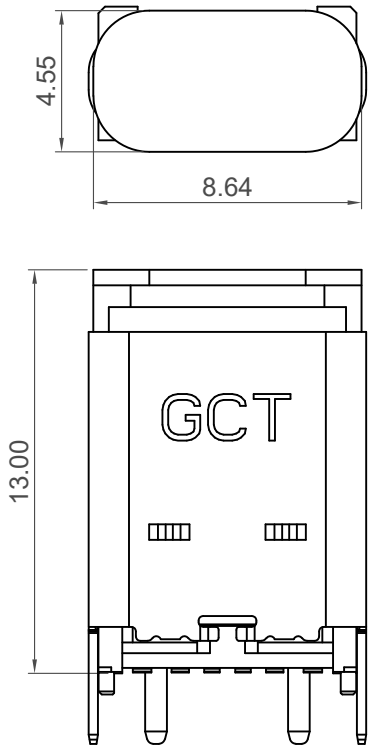
Plating
Contact
Contact Area: Gold Flash Over 50µ" min. Nickel
Solder Tails: Gold Flash Over 50µ" min. Nickel
Shell: 30µ" min. Nickel
Middle Plate: Clear

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

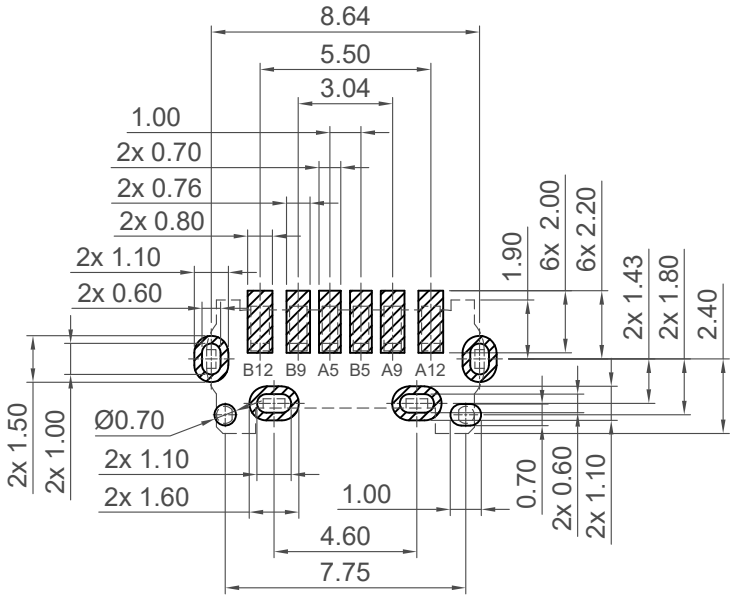
Voltage Rating: 20V DC
Contact Resistance: 40mΩ max initial.
50mΩ max after test
Dielectric Withstanding Voltage: 100V AC
Insulation Resistance 100MΩ min

Mechanical & Environmental
Operating Temperature: -25°C to +85°C
Mating Force: 5 to 20 N.
Unmated Force: 6 to 20 N after test
Durability: 20,000 cycles

Part Number		Product Description						
USB4175		USB Type C Receptacle, Vertical, SMT, H11.0mm For Power charging only, 6 Pin						
Drawing Date								
2nd March 2023								
By	CC	Tolerances (Except as Noted) Length / Angle		Units: Metric (mm)	RoHS COMPLIANT 2011/65/EU Dec-BDE	© 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	
Detail	Drawing Release	X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10	-	3rd Angle Projection			Not to Scale	Drawn By CC
Revision	A							Sheet No. 1/4
Date	02/03/23							



Cap Information



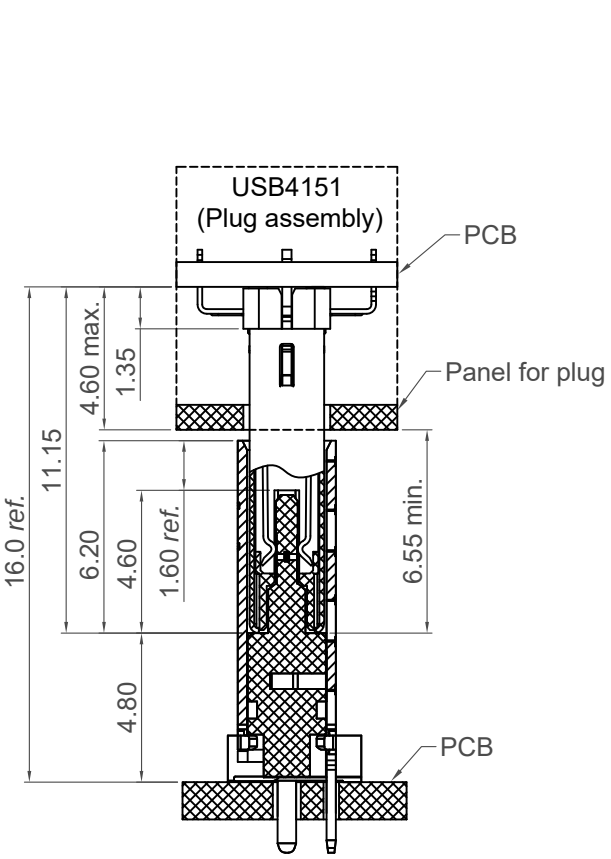
Recommended PCB Layout

Tolerance: ±0.05mm

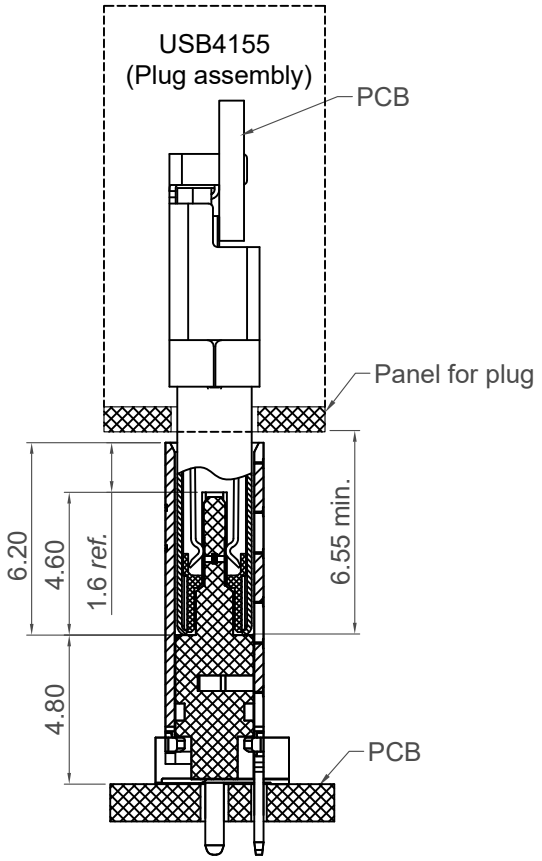
Solder Area Component Outline

Pin	Signal	Mating Sequence
A5	CC1	Second
A9	V_{BUS}	First
A12	GND	First
B5	CC2	Second
B9	V_{BUS}	First
B12	GND	First
SHELL		GND

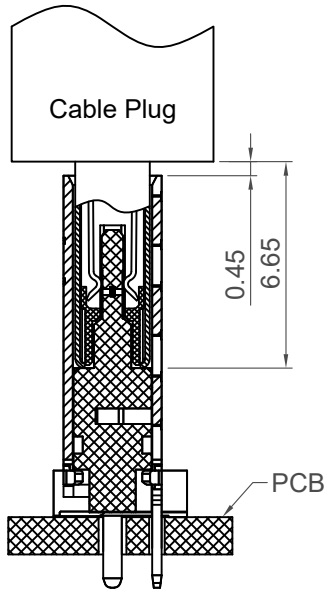
Part Number: USB4175		Product Description: USB Type C Receptacle, Vertical, SMT, H11.0mm For Power charging only, 6 Pin					
Drawing Date: 2nd March 2023							
By	CC	Tolerances (Except as Noted) Length	Angle	Units: Metric (mm)	RoHS COMPLIANT 2011/65/EU Deca-BDE	This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE	GCT www.gct.co
Detail	Drawing Release	X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10	-	3rd Angle Projection			
Revision	A						
Date	02/03/23						
							Not to Scale / Drawn By CC / Sheet No. 2/4



USB4175
(Receptacle assembly)



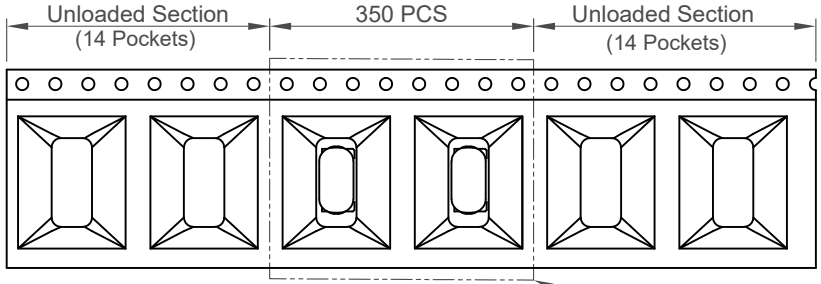
USB4175
(Receptacle assembly)



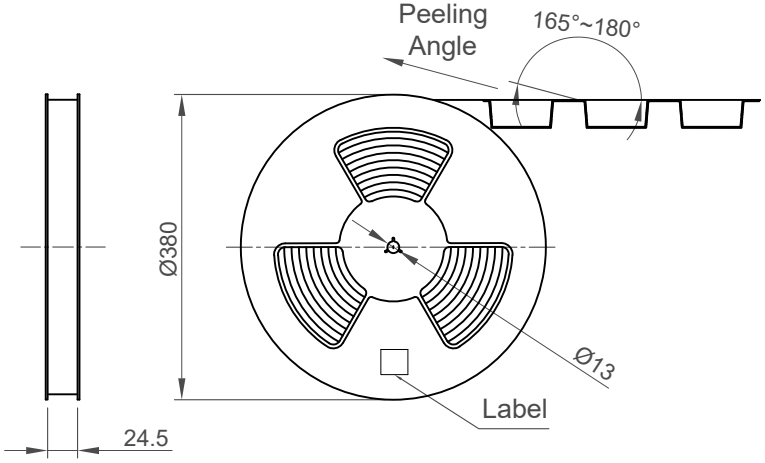
USB4175
(Receptacle assembly)

Plug and Receptacle Mating View

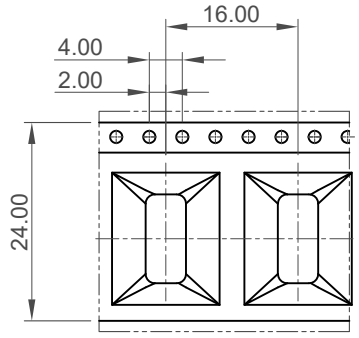
Part Number		Product Description						
USB4175		USB Type C Receptacle, Vertical, SMT, H11.0mm For Power charging only, 6 Pin						
Drawing Date								
2nd March 2023								
By	CC	Tolerances (Except as Noted) Length	Angle	Units: Metric (mm)	RoHS COMPLIANT 2011/65/EU Deca-BDE	© This drawing is confidential 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	
Detail	Drawing Release	X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10	-	3rd Angle Projection			Not to Scale	Drawn By CC	Sheet No. 3/4
Revision	A							
Date	02/03/23							



Direction of Unreeling

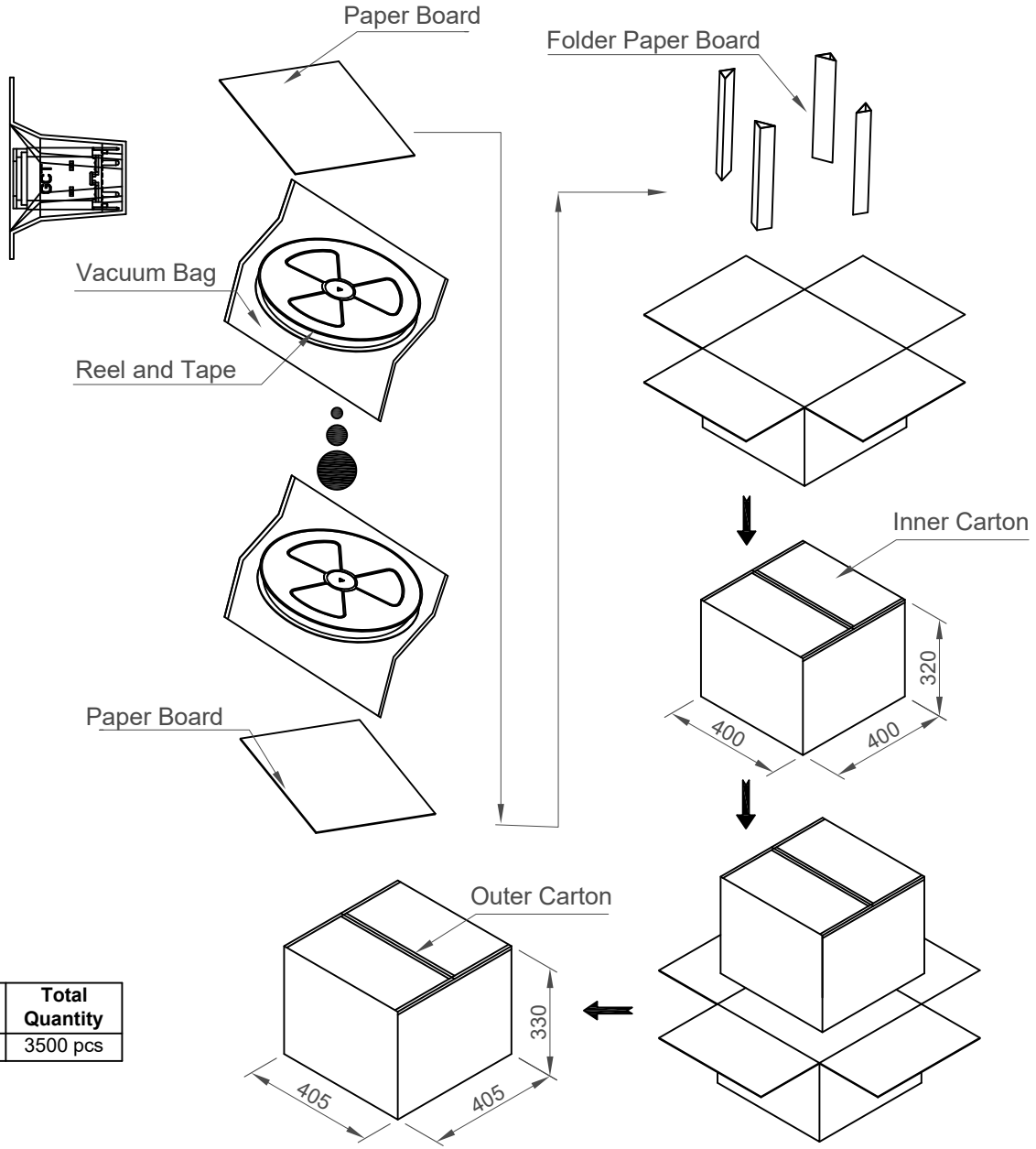


Direction of Unreeling



Detail: E

Pcs / Reel	Reels / Carton	Total Quantity
350	10	3500 pcs



Part Number		Product Description						
USB4175		USB Type C Receptacle, Vertical, SMT, H11.0mm For Power charging only, 6 Pin						
Drawing Date								
2nd March 2023								
By	CC	Tolerances (Except as Noted)		Units: Metric (mm)	RoHS COMPLIANT 2011/65/EU Deca-BDE	© 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	
Detail	Drawing Release	Length	Angle					
		X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10	-	3rd Angle Projection				
Revision	A							
Date	02/03/23						Not to Scale	Drawn By CC / Sheet No. 4/4

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Global Electronic Components Distributor

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