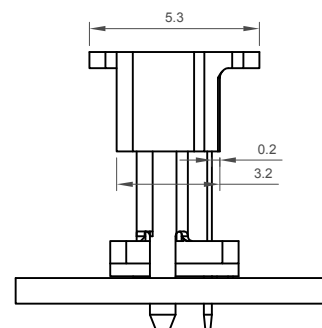
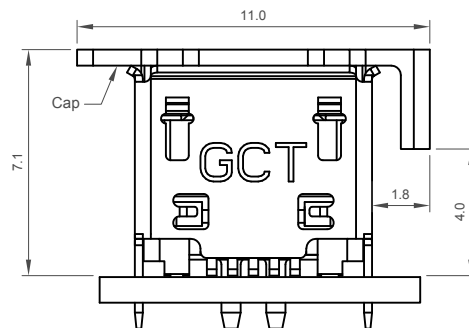
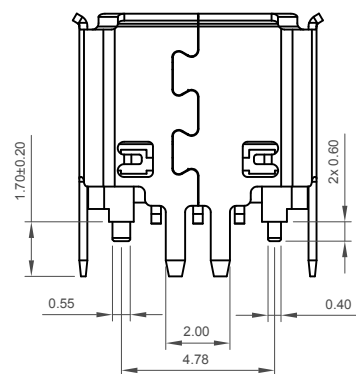
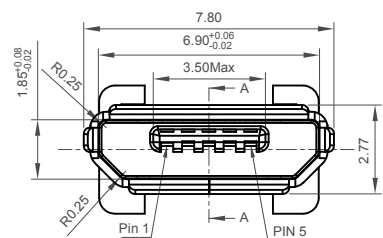
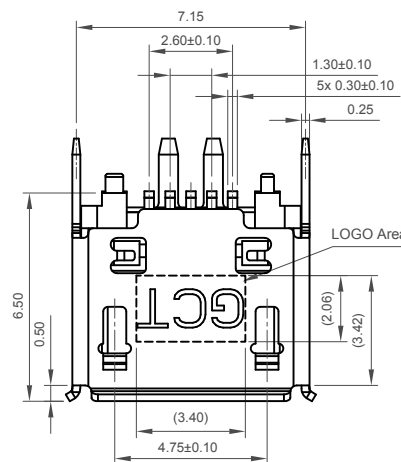
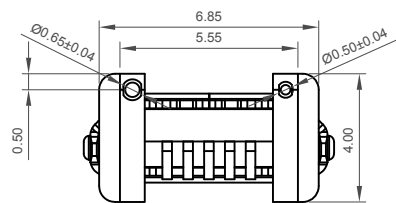
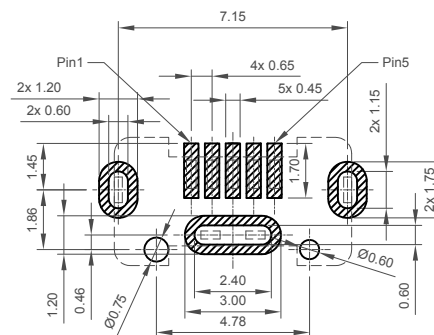
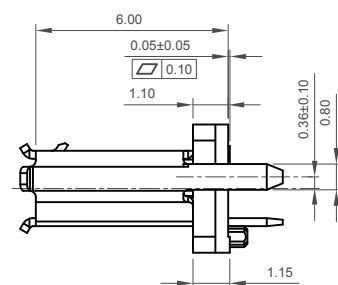
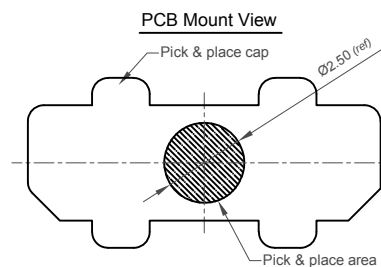


Section A-A



Recommended PCB Layout
As viewed from component side General tolerance: ±0.05
■ Solder Area □ Component Outline

Ordering Grid

USB3180 - 30 - C Request Samples and Quotation

Contact Plating
30 = 30µ" Gold
Packing Options
C = Tape & Reel with Cap
(500 per reel)

Designed to comply with physical, electrical and environmental requirements of Micro USB Standard (USB2.0)

Specifications

Material

Plastic Housing : LCP, UL94V-0, Black
Contact Terminal : Copper Alloy
Metallic Shell : Stainless Steel T=0.25mm.

Plating

Contact Terminal:
Contact Area: 30µ" Gold
Solder Tails: Gold Flash
Underplating: 50µ" Nickel
Metallic Shell: Matte Tin over 50µ" Nickel

Electrical

Voltage Rating: 30 V AC
Current Rating: Signal (Pins 2,3,4): 1.0 A.
Power (Pins 1,5): 1.8A.
Operating Temperature: -30°C to +85°C.
Contact Resistance: 30mΩ max.
Insulating Resistance: 1000MΩ min.
Dielectric Withstand Voltage: 100V AC/minute

Mechanical & Environmental

Mating Force: 35N max.
Unmating Force: 8N to 25N after durability test
Durability: 10,000 Cycles

Part Number		Product Description			
USB3180		Micro USB Receptacle, Type B,			
Drawing Date		Surface Mount, Vertical, with Through-Hole Shell Stakes			
2nd April 2020					
By	CC	Tolerances (Except as Noted)		Units:	
Detail	Drawing Release	Length X.±0.50 X.X ± 0.30 X.XXX ± 0.10		Metric (mm)	
Revision	A	Angle X.X° ± 2°			
Date	02/04/20				
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					

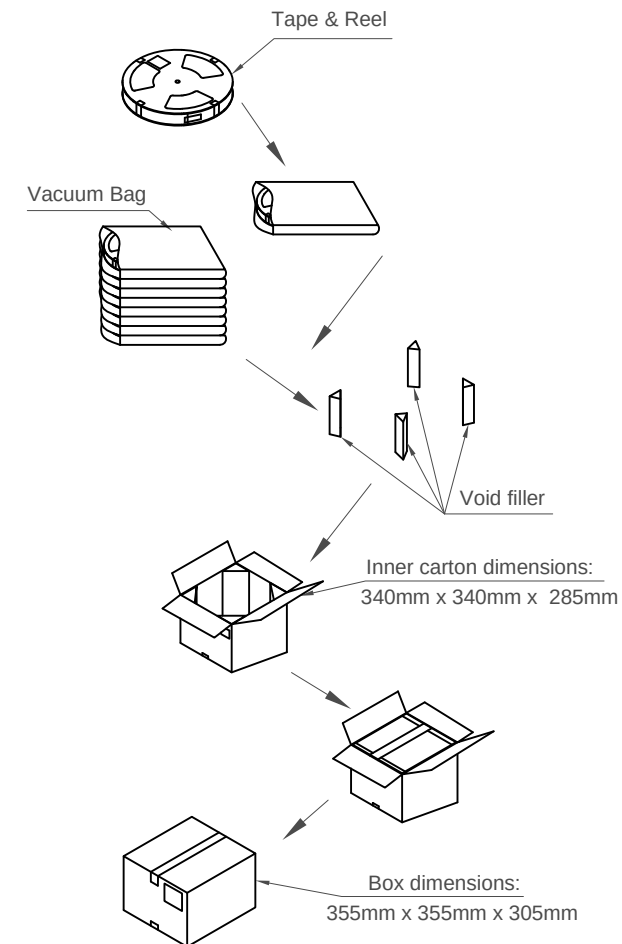
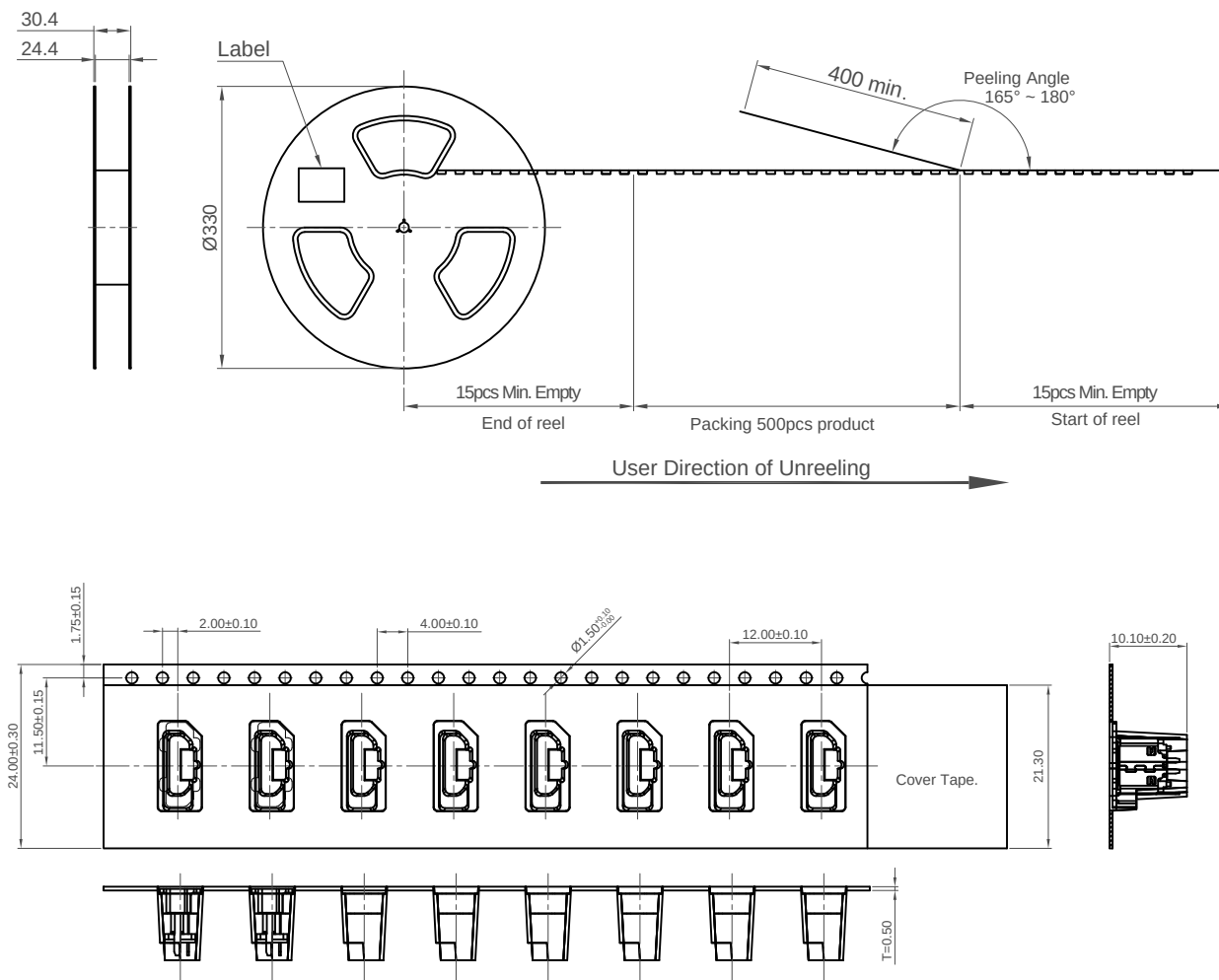


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GCT
www.gct.co

Not to Scale
Drawn By
CC
Sheet No.
1/2

H
G
F
E
D
C
B
A



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)

Pcs / Reel	Reels / Carton	Total Quantity
500	9	4500 pcs

Part Number USB3180		Product Description Micro USB Receptacle, Type B, Surface Mount, Vertical, with Through-Hole Shell Stakes				 www.gct.co		
Drawing Date 2nd April 2020								
By CC		Tolerances (Except as Noted) Length X.±0.20 X.X ± 0.15 X.XX ± 0.10 X.XXX ± 0.05		Units: Metric (mm) 	  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 Drawing Release						Not to Scale	Drawn By CC	Sheet No. 2/2
Revision A								
Date 02/04/20								

Mouser Electronics

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