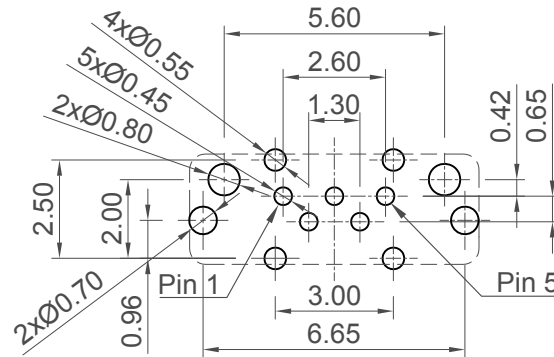
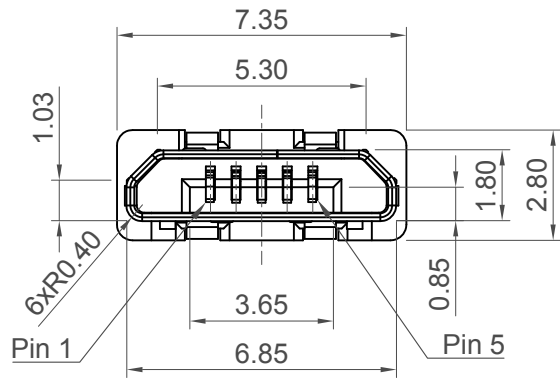
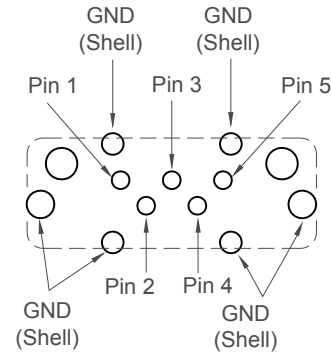




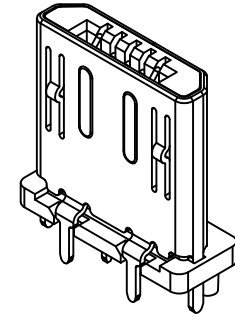
Recommended PCB Layout

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

□ Component Outline



PCB Pin Number Description



Specifications

Materials:

Plastic Housing: LCP, UL94V-0, Black
Contact Terminal: Copper Alloy
Metallic Shell: Stainless Steel

Plating:

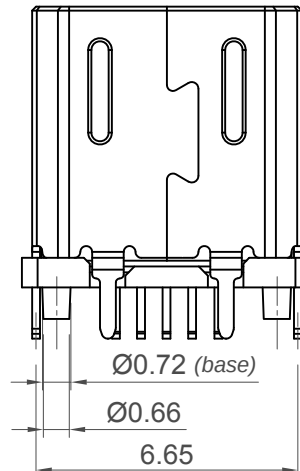
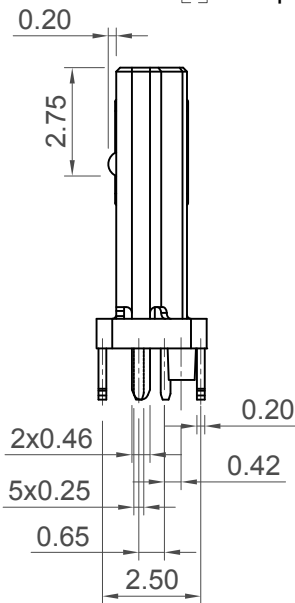
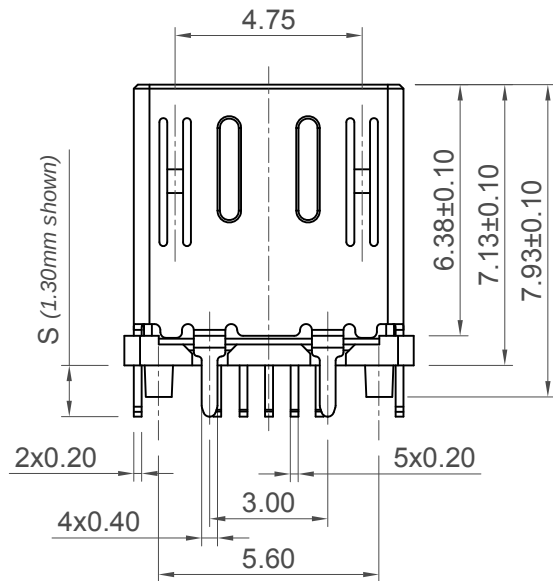
Underplating: 50 μ " Nickel min.
Finish: Contact Area: 30 μ " Gold plating
Solder Tails: Matte Tin
Metallic Shell: Nickel

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: 30 m Ω max.
Insulating Resistance: 1000 M Ω min.
Dielectric Withstand Voltage: 500V AC/Minute

Mechanical:

Mating Force: 35N max.
Unmating Force: 8N min.
Durability: 10,000 cycles



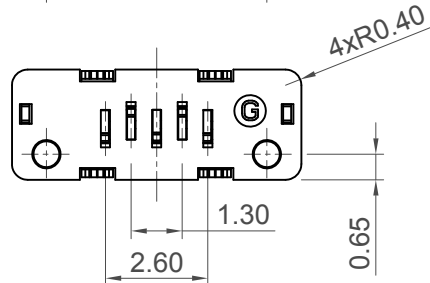
Pin	Signal
1	VBUS
2	D-
3	D+
4	ID
5	GND
Shell	Shield

Pin Assignments

Ordering Grid

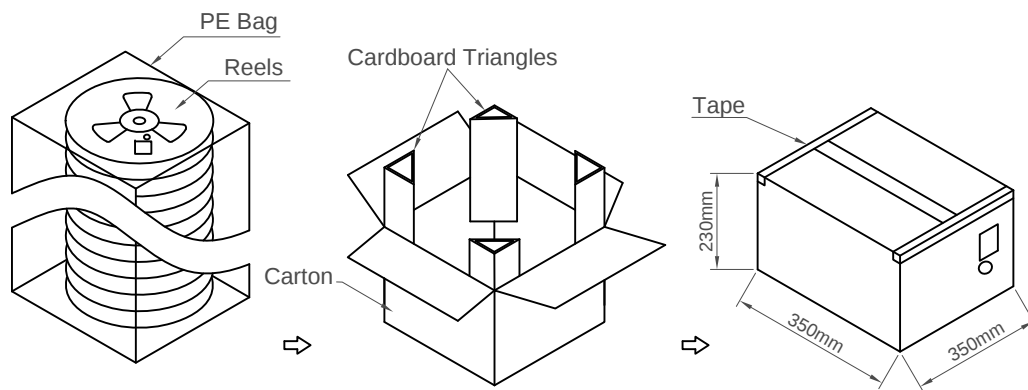
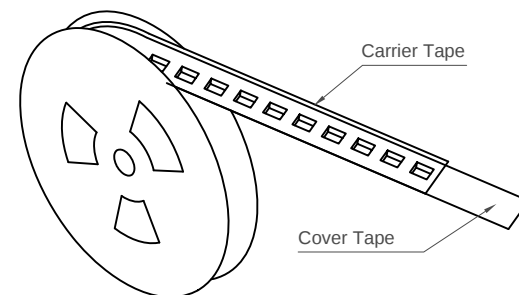
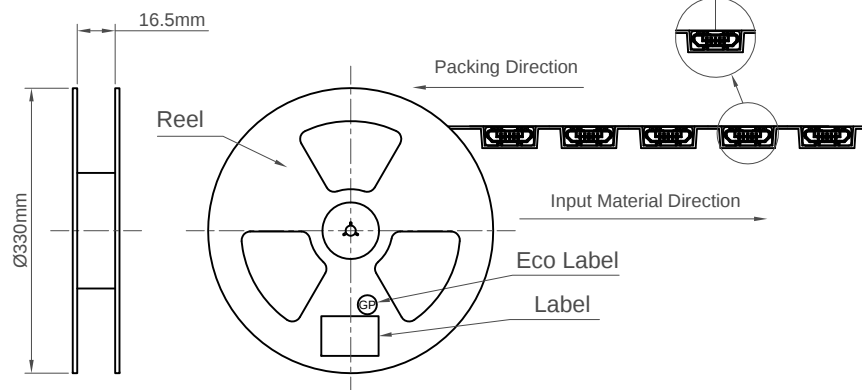
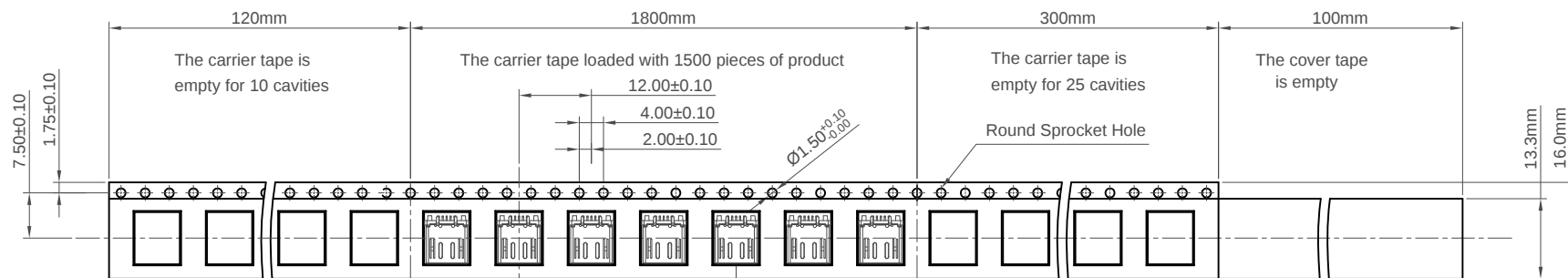
USB3150-30-XXX-A Request Samples and Quotation
Contact Plating: 30 = 30 μ " Gold
Shell Stake & Lead Length "S": 075 = 0.75mm (recommended for PCB thickness 0.4mm)
130 = 1.30mm (recommended for PCB thickness 0.8mm)
Packing: A = Tape and Reel (1,500 per reel)

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



Part Number		Product Description					
USB3150							
Drawing Date							
30th April 2015		Micro USB Plug - Type B, Through-Hole Vertical, with Shell Stakes and Locating Pegs					
By	CC	Tolerances (Except as Noted)		Units:			
		Length	Angle	Metric (mm)			
Detail	USB3150 B PCN	X.X $\pm$ 0.10 X.XX $\pm$ 0.05	X. $^{\circ}$ $\pm$ 2.0 $^{\circ}$ X.X $^{\circ}$ $\pm$ 1.0 $^{\circ}$				
Revision	B						
Date	23/05/19			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 AJO	Sheet No. 1/2

H
G
F
E
D
C
B
A



Part Number	Specification	Q'ty
Carrier Tape	16.0mm (W) x 18.42m (L)	10
Cover Tape	13.3mm (W)	185.2m
Reel	330 x 21mm	10
Bag	400 x 400 x 400mm, PE	1
Cardboard Triangles	430 x 215 x 3mm	4
Carton	350 x 350 x 230mm	1
Desiccant	3.5g	2

Part Number	Pcs./Reel	Reels/Carton	Pcs./Carton
USB3150	1500	10	15000

Part Number		Product Description		 www.gct.co	
USB3150		Micro USB Plug - Type B, Through-Hole Vertical, with Shell Stakes and Locating Pegs			
Drawing Date 30th April 2015					
By	CC	Tolerances (Except as Noted) Length	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	USB3150 B PCN				
Revision	B	X.X ± 0.10	X.° ± 2.0°		Not to Scale
Date	23/05/19	X.XX ± 0.05	X.X° ± 1.0°		
					Sheet No. 2/2

1

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