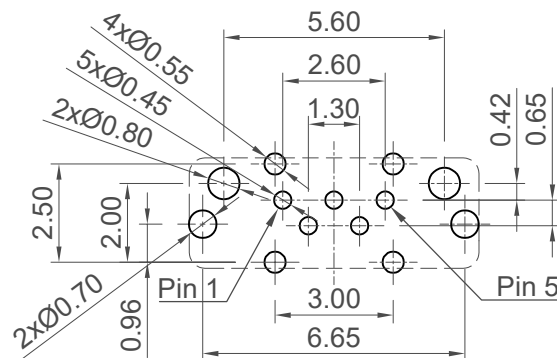
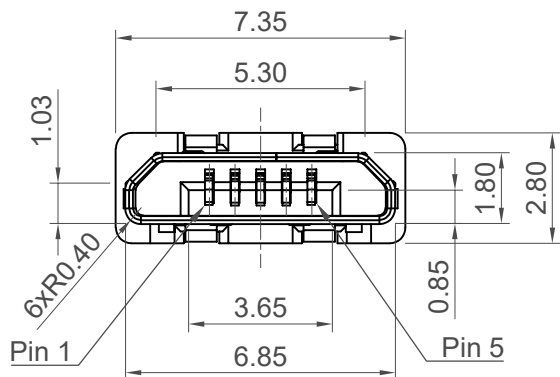
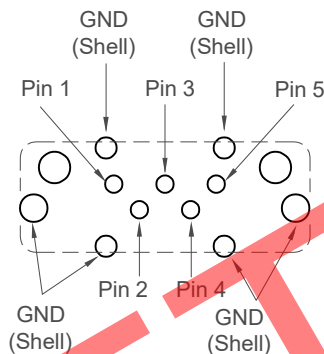




Recommended PCB Layout

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

□ Component Outline



PCB Pin Number Description

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

Pin Assignments

Specifications

Materials:

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

Plating:

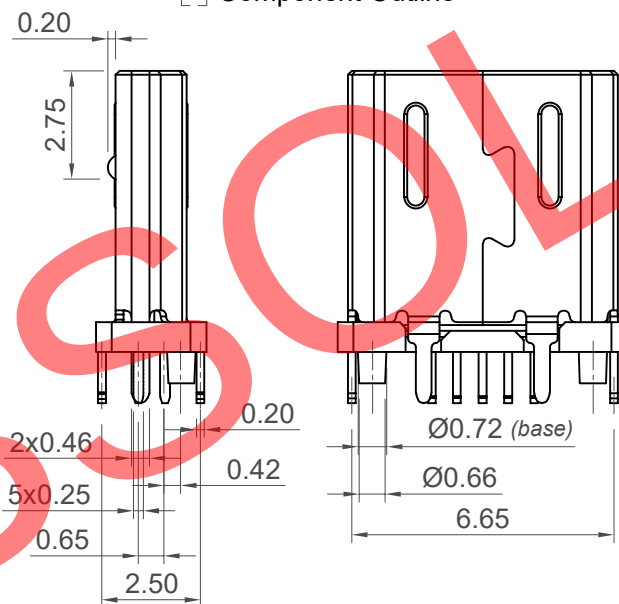
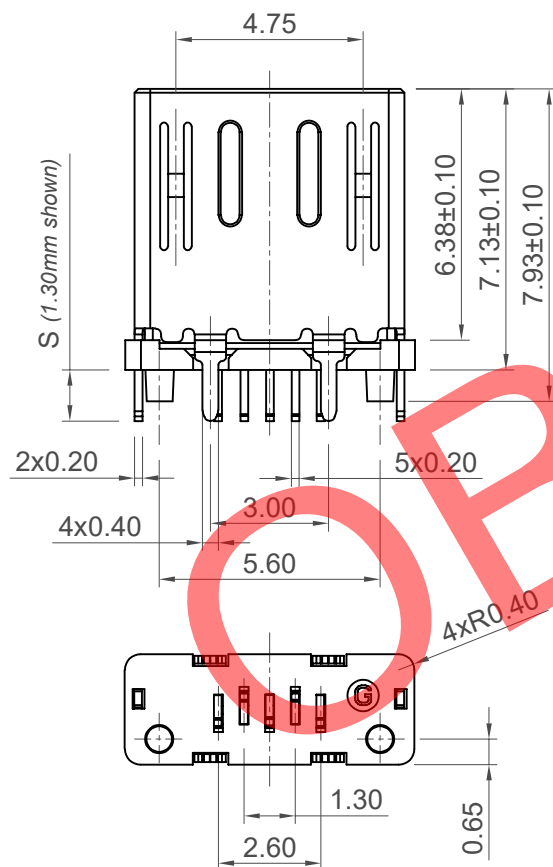
Underplating: 50 μ " Nickel min.
Finish: Contact Area: 30 μ " Gold plating
Solder Tails: Matte Tin
Metallic Shell: Nickel

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



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

Ordering Grid

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

Part Number USB3150		Product Description Micro USB Plug - Type B, Through-Hole Vertical, with Shell Stakes and Locating Pegs	
Drawing Date 30th April 2015			
By MW		Tolerances (Except as Noted) Length X.X $\pm$ 0.10 X.XX $\pm$ 0.05	Units: Metric (mm) X. [°] $\pm$ 2.0° X.X° $\pm$ 1.0° 3rd Angle Projection
Detail USB3150 X PCN			
Revision X			
Date 05/05/26			

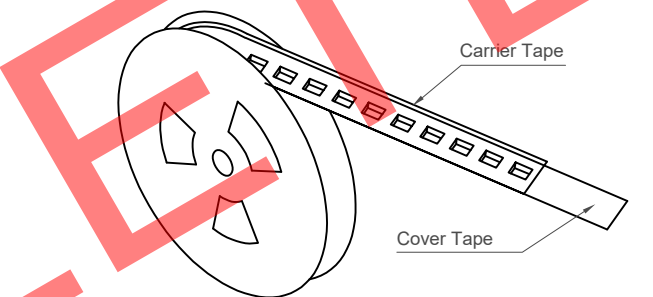
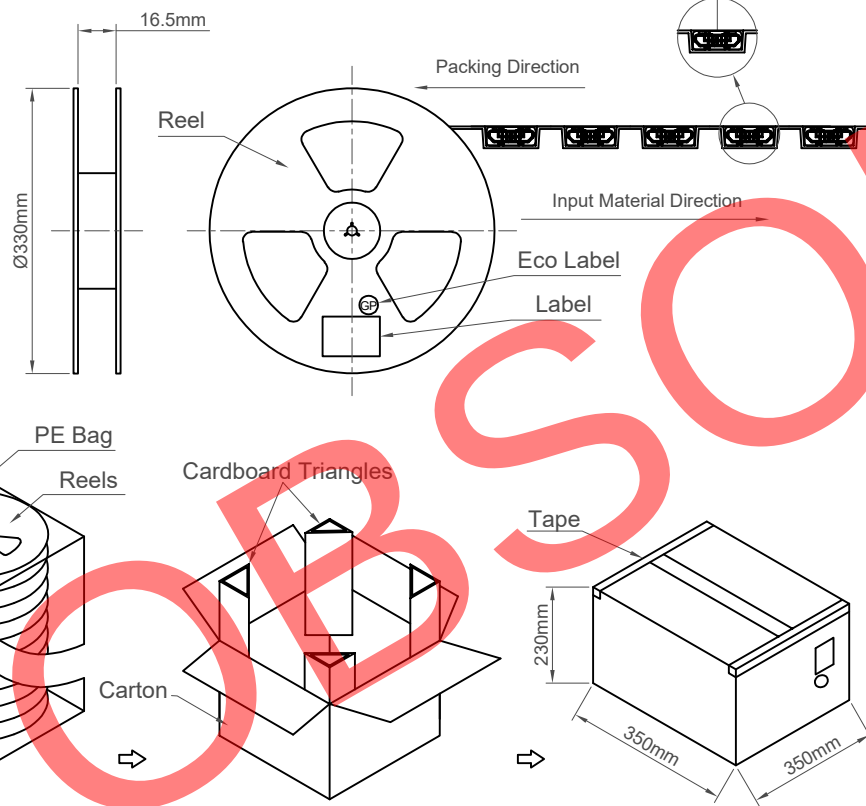
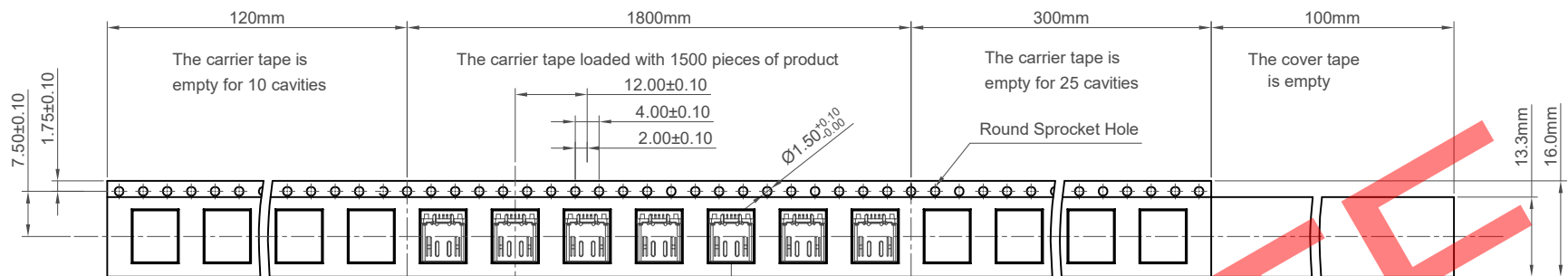


This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT).
This drawing must not be copied or disclosed without written consent. E & OE

GCT
www.gct.co

Not to Scale
Drawn By
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	MW	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 X PCN	X.X ± 0.10	X.° ± 2.0°		
Revision	X	X.XX ± 0.05	X.X° ± 1.0°		
Date	05/05/26				
					Not to Scale
					Drawn By AJO
					Sheet No. 2/2