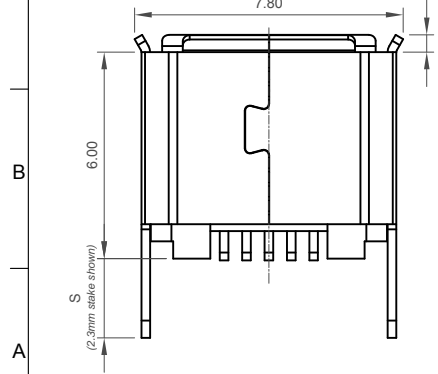
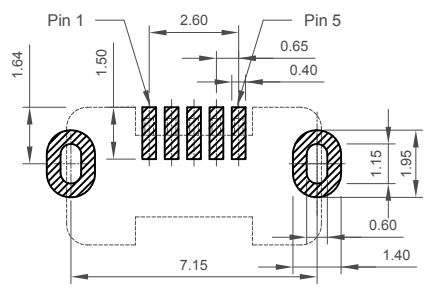
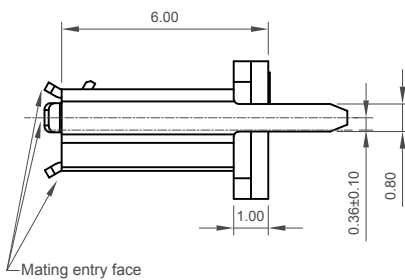
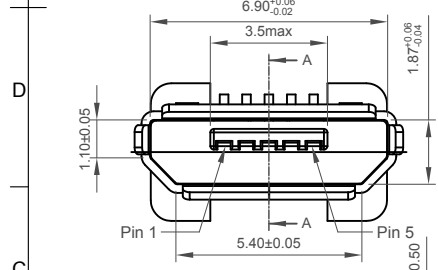
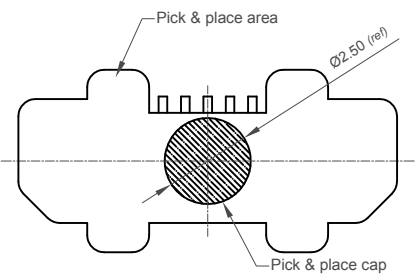
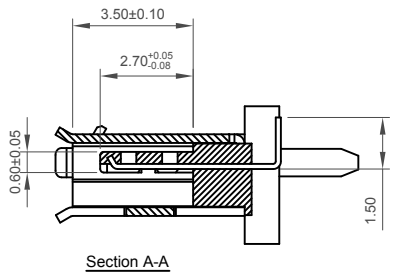
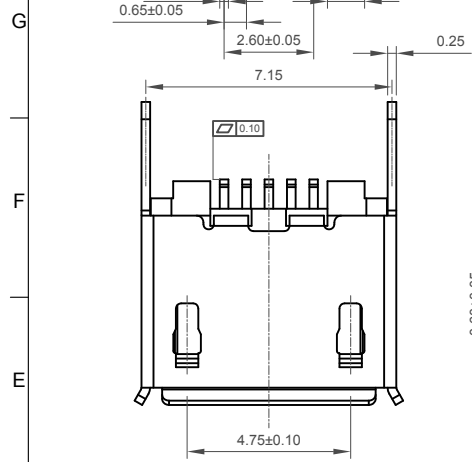
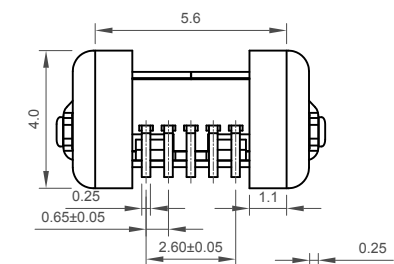
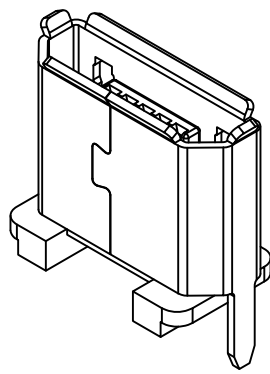


Designed to comply with physical, electrical and environmental requirements of Micro USB Standard (USB2.0)



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

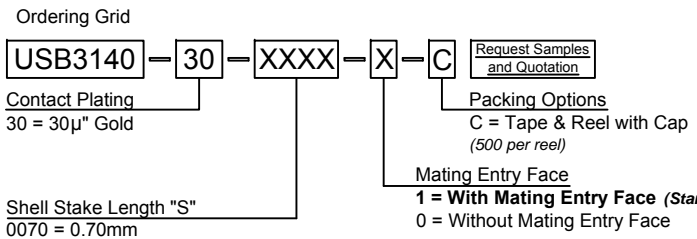
**Specifications 规格**

**Material 物料**  
 Plastic Housing 塑胶外壳: LCP, UL94V-0, Black  
 Contact Terminal 接触端子: Copper Alloy  
 Metallic Shell 金属外壳: Stainless Steel T=0.25mm.

**Plating 电镀**  
 Underplating 底层电镀: 50µ" Nickel  
 Finish 表面处理: Contact Area 接触面积: 30µ" Gold  
 Solder Tails 焊接末端: Gold Flash  
 Metallic Shell 金属外壳: Matte Tin

**Electrical 电气**  
 Voltage Rating 电压额定值: 100 V AC  
 Current Rating 电流额定值: Signal (Pins 2,3,4): 1.0 A.  
 Power (Pins 1,5): 1.8A.  
 Operating Temperature 工作温度: -30°C to +85°C.  
 Contact Resistance 接触电阻值: 30mΩ max.  
 Insulating Resistance 绝缘电阻值: 1000MΩ min.  
 Dielectric Withstand Voltage 耐电压: 500V AC/minute

**Mechanical & Environmental 机械 & 环境**  
 Mating Force 插入力: 35N max.  
 Unmating Force 拔出力: 8N min.  
 Durability 耐久性: 10,000 Cycles



**Shell Stake Length "S"**  
 0070 = 0.70mm  
 0170 = 1.70mm (recommended for 1.00mm PCB)  
 0230 = 2.30mm (recommended for 1.60mm PCB)

Part Number		Product Description	
USB3140		µ USB Receptacle, Type B, Surface Mount, Vertical, with Through-Hole Shell Stakes	
Drawing Date		2nd April 2013	
By	AJO	Tolerances (Except as Noted)	Units:
Detail	Unmating Force Change	Length X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10	Metric (mm)
Revision	B2	Angle X.X° ± 2° X.XX° ± 1° X.XXX° ± 0.5°	3rd Angle Projection
Date	14/04/15		

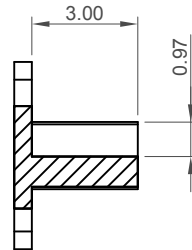
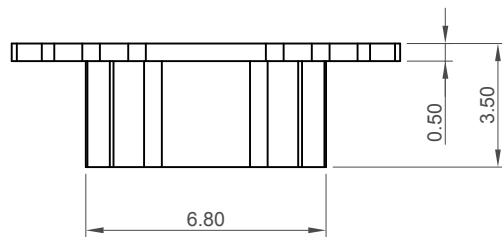
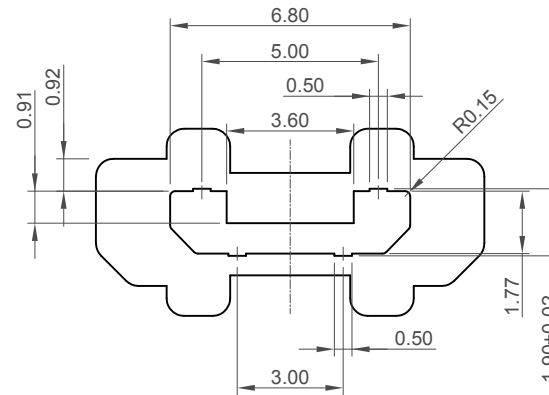
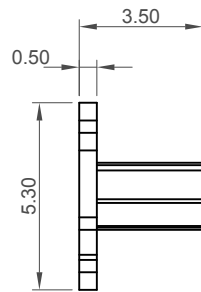
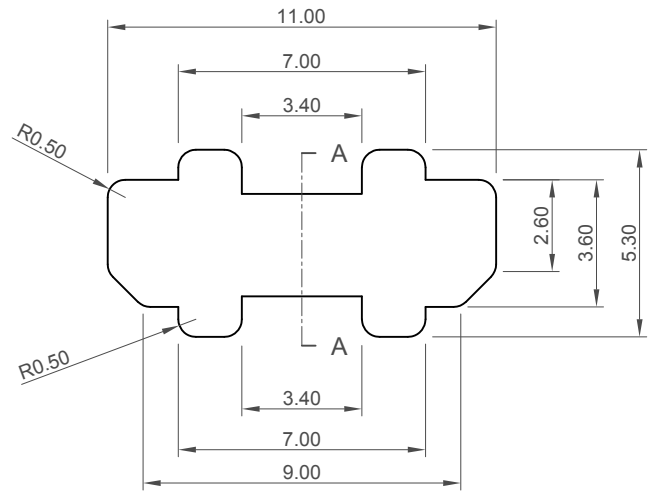


This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE

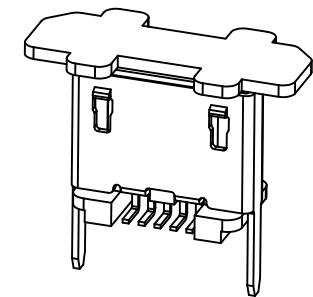
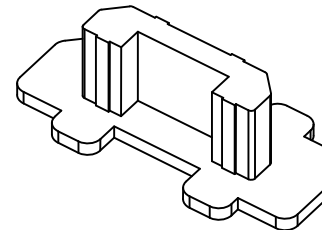
**GCT**  
 Global Connector Technology  
 www.gct.co

Not to Scale	Drawn By AJO	Sheet No. 1/3
--------------	--------------	---------------

H  
G  
F  
E  
D  
C  
B  
A



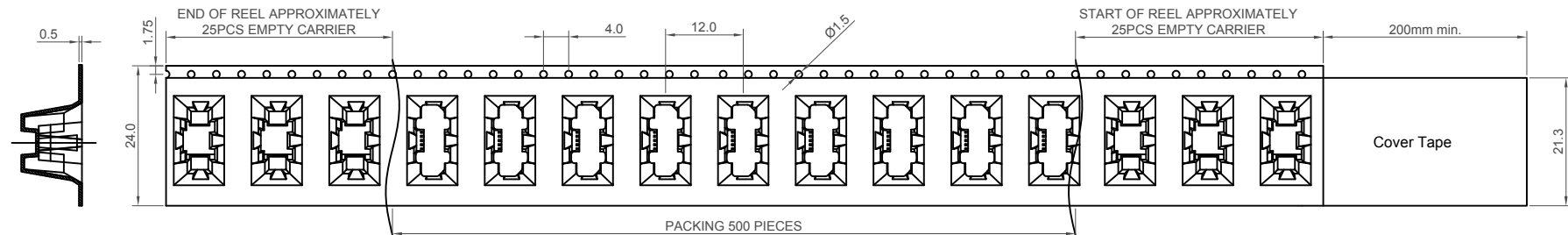
SECTION A-A



Notes:  
 Material: LCP+30%GF,UL94-V0,Color:Black  
 Burrs: Unless otherwise specified 0.05mm Max.  
 Cavity mark, mold mark, height 0.2mm Max.

Pre-reflow solder process cap may be tight and difficult to remove by hand.  
 Post-reflow cap may be easily removed.

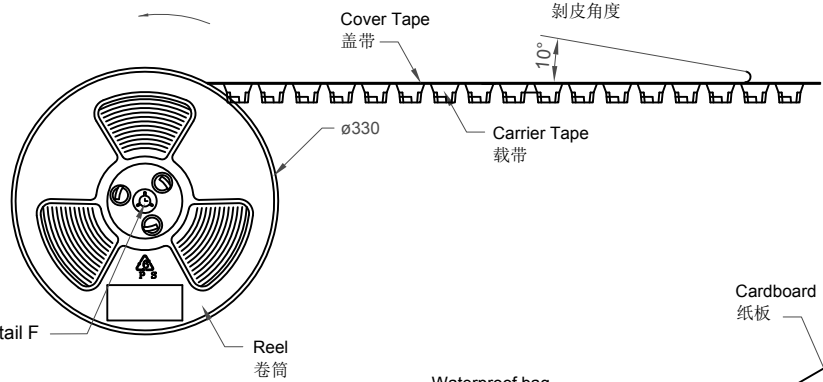
Part Number		Product Description				This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE	
USB3140		µ USB Receptacle, Type B, Surface Mount, Vertical, with Through-Hole Shell Stakes					
Drawing Date		Units:				Not to Scale    Drawn By: AJO    Sheet No. 2/3	
2nd April 2013		Metric (mm)					
By	AJO	Tolerances (Except as Noted)				Not to Scale    Drawn By: AJO    Sheet No. 2/3	
Detail	Unmating Force Change	Length	Angle				
Revision	B2	X.X ± 0.30	X.X° ± 2°			Not to Scale    Drawn By: AJO    Sheet No. 2/3	
Date	14/04/15	X.XX ± 0.20	X.XX° ± 1°				
		X.XXX ± 0.10	X.XXX° ± 0.5°			Not to Scale    Drawn By: AJO    Sheet No. 2/3	



Products P/N	PCS/Reel	Reels/Carton	PCS/Carton
USB3140	500	3	1500

I/O Direction  
卷盤繞逆時針方向轉動

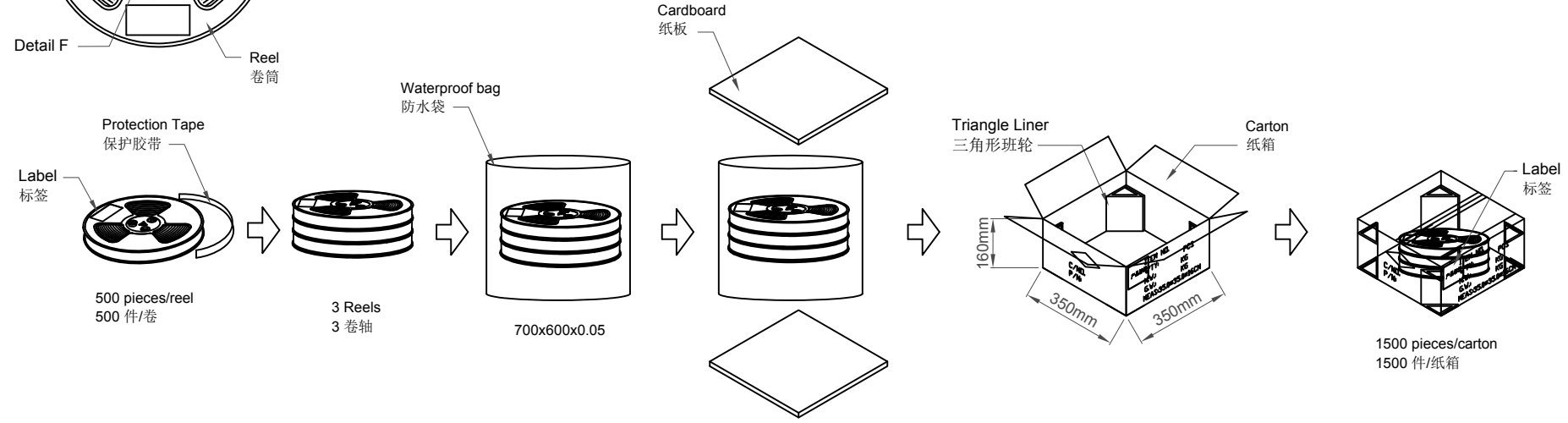
Peel off Angle  
剝皮角度



Notes注意:  
Peeling off force of top tape: 0.1-1.3N (Peeling direction as shown)

Materials材料:  
Carrier Tape: Polystyrene (PS)  
Top Tape: PE  
Reel Tape: Polystyrene (PS)

Detail F



Part Number		Product Description	
USB3140		µ USB Receptacle, Type B, Surface Mount, Vertical, with Through-Hole Shell Stakes	
Drawing Date		2nd April 2013	
By	AJO	Tolerances (Except as Noted)	Units:
Detail	Unmating Force Change	Length X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10	Angle X.X° ± 2° X.XX° ± 1° X.XXX° ± 0.5°
Revision	B2	Metric (mm)	
Date	14/04/15	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**  
Global Connector Technology  
www.gct.co

Not to Scale	Drawn By AJO	Sheet No. 3/3
--------------	-----------------	------------------

H  
G  
F  
E  
D  
C  
B  
A

1 2 3 4 5 6 7 8