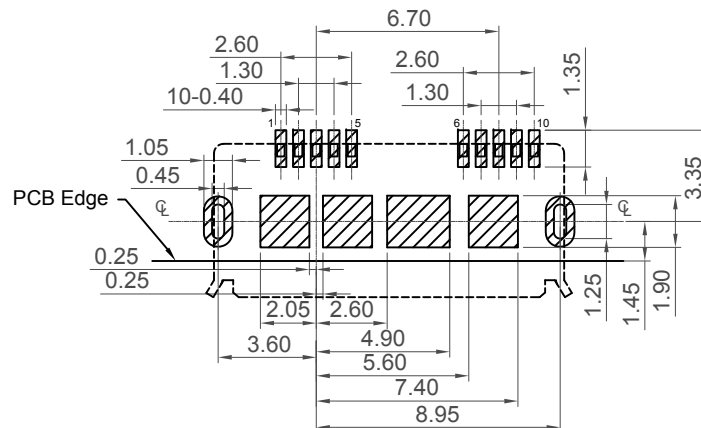
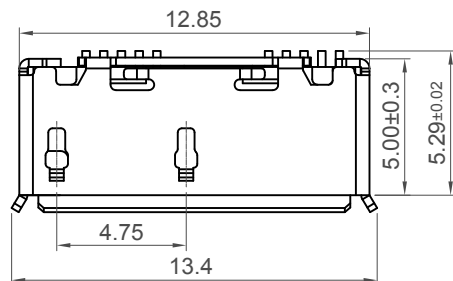


Designed to comply with physical, electrical and environmental requirements of micro USB Standard Compliance (USB3.0).

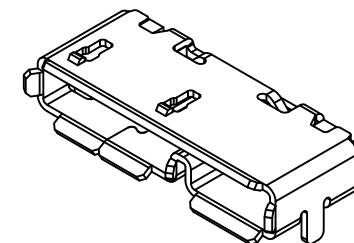
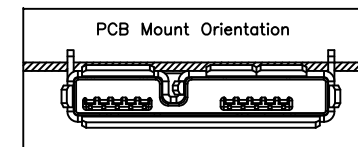
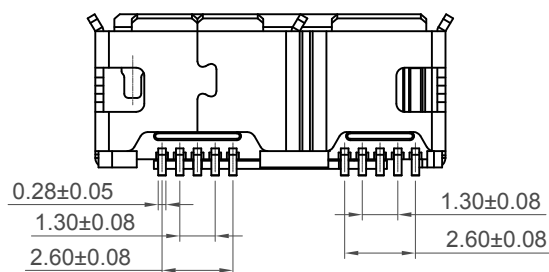
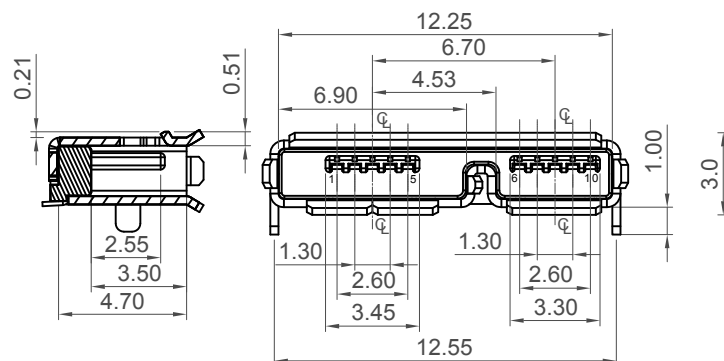
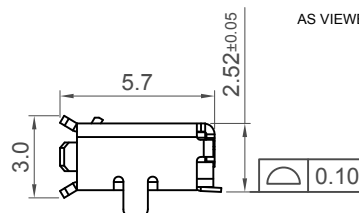


RECOMMENDED P.C.B LAYOUT

GENERAL TOLERANCE: ± 0.05

AS VIEWED FROM COMPONENT SIDE

- ☒ Solder Area
☐ Component Outline



Specifications 规格:

Materials 材料:

Plastic Housing 塑胶外壳: LCP, UL94V-0,

Black, LCP, UL94V-0 黑色

Contact Terminal 接触端子: Copper Alloy 铜合金

Metallic Shell 金属外壳: Stainless Steel 不锈钢

Finish 表面处理:

Underplating 底层电镀: Nickel

Plating 电镀:

Contact Area 接触面积: 30μ " Gold

Solder Tails 焊接末端: Gold Flash

Metallic Shell 金属外壳: Tin

Electrical 电气规格:

Voltage Rating 电压额定值: 100 V AC/DC

Current Rating 电流额定值:

Signal Pins 信号引脚 2,3,4,6,7,8,9,10 at 0.25A AC/DC

& Power Pins 电源引脚 1,5 at 1.8A AC/DC

Operating Temperature 工作温度: -30°C to $+85^{\circ}\text{C}$

Contact Resistance 接触电阻值: $30\text{m}\Omega$ Max.

Insulating Resistance 绝缘电阻值: $1000\text{M}\Omega$ Min.

Dielectric Withstand Voltage 耐电压: 100V AC/Minute

Mechanical 机械性规格:

Mating Force 插入力: 35N Max.

Unmating Force 拨出力: 10N Min.

Durability 耐久性: 10000

PIN NUMBER	SIGNAL NAME	DESCRIPTION	MATING SEQUENCE
1	VBUS	Power	Second
2	D-	USB 2.0 Differential pair	Last
3	D+		
4	ID	OTG identification	Second
5	GND	Ground for power return	
6	MicA_SSRX-	SuperSpeed receiver differential pair	Last
7	MicA_SSRX+		
8	GND_DRAIN	Ground for SuperSpeed signal return	Second
9	MicA_SSTX-	SuperSpeed transmitter differential pair	Last
10	MicA_SSTX+		
Shell	Shield	Connector metal shell	First

Ordering Grid

USB3120-30-A REQUEST SAMPLES AND QUOTATION

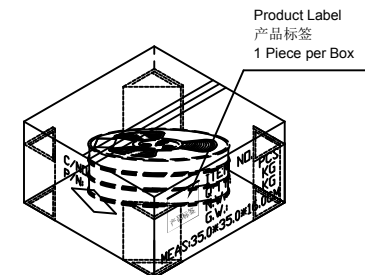
Contact Plating
30 = 30μ " Gold

Packing Options
A = Tape & Reel
(1K per Reel)

By	AJO
DETAIL	USB3120 D PCN
REV	D
DATE	06/06/14



Tolerances (Except as noted)		Part Number	Date	GCT www.gct.co					
Dimensions in mm		USB3120	16 MAY 11						
X.X ± 0.3	X.X° ± 2°	Description							
X.XX ± 0.2	X.XX° ± 1°	USB 3.0 Micro Receptacle, Type AB, SMT, Horizontal, 10 Pin, Bottom Mount, with Outer Shell Stakes		THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT					
X.XXX ± 0.1	X.XXX° ± 0.5°								
Third Angle Projection		© THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT		Scale NTS	Revision D	Material See Note	Drawn by ASF	E & OE	Sheet No 1/2



1000 Pieces per reel

3 Reels
3 卷轴

700x600x0.05

Triangle Liner (4 PCS)
三角形班轮

— Carton
紙箱

3000 Pieces per carton

GCT www.gct.co					
Scale NTS	Revision D	Material See Note	Drawn by ASE	E & OE	Sheet No. 2/2

GCT
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