

RoHS Compliant

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND			VBUS	CC1	D+	D-	SBU1	VBUS			GND
GND			VBUS	SBU2	D-	D+	CC2	VBUS			GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1

特性:

一、电气性能: ELECTRICAL

1. 额定电流: 5.0A
2. 接触阻抗: 40 MILLIOHMS MAX
3. 耐电压: 100V AC / 1 mA MAX
4. 绝缘阻抗: 150V DC/100 MEGA OHMS MIN

二、机械性能:

1. 插入力: 5~20N 2. 拨出力: 8~20N
3. 使用寿命: 10000次、拔出力 5N MIN

三、材料：MATERIAL

四、电镀:FINISH

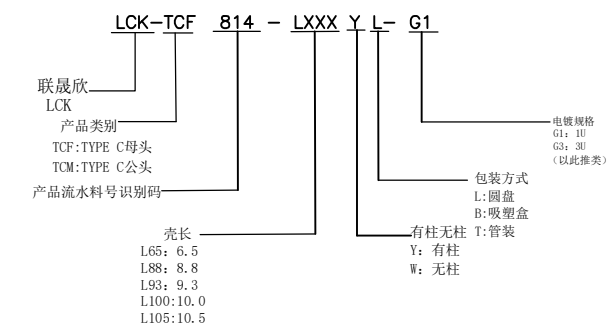
1. 端子：接触点镀金1U"MIN
PIN脚焊接区域镀锡80U"MIN
2. 外壳：镀镍80U"MIN（盐雾48H）

五、电镀品需做粘锡测试：粘锡面积达到95%以上。

六、SMT回流焊（峰值 $260^{\circ}\text{C}\pm 5^{\circ}\text{C}$ ）不能起泡、熔胶、变色不良（变形在公差范围以内）

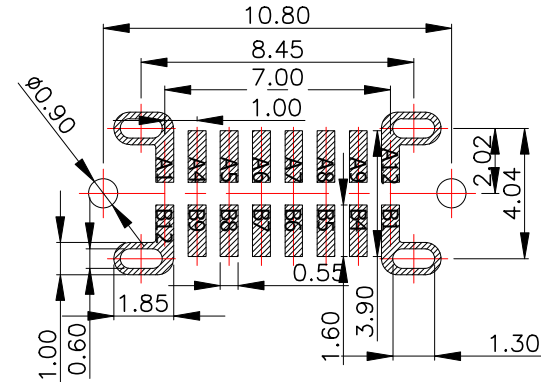
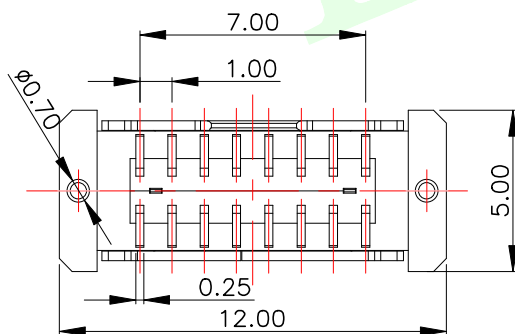
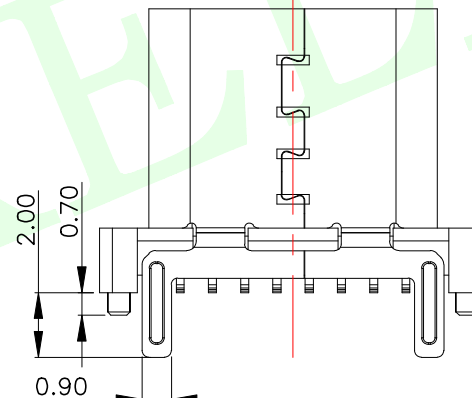
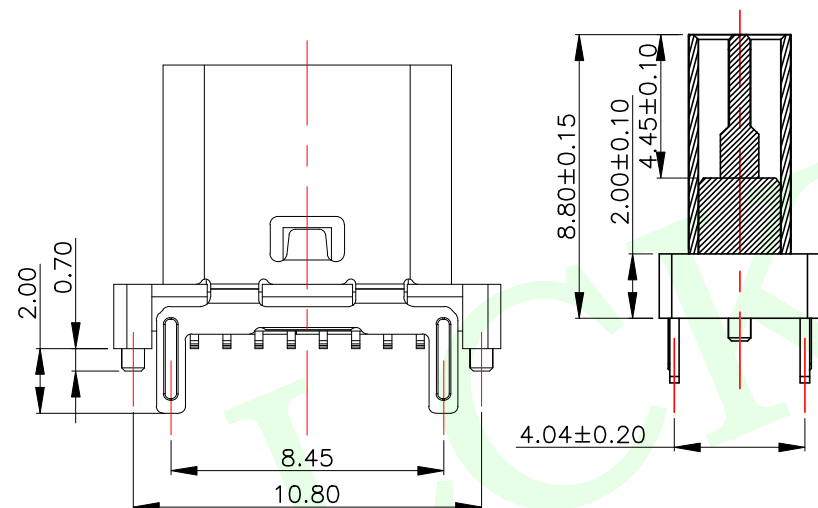
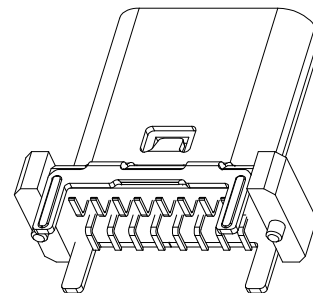
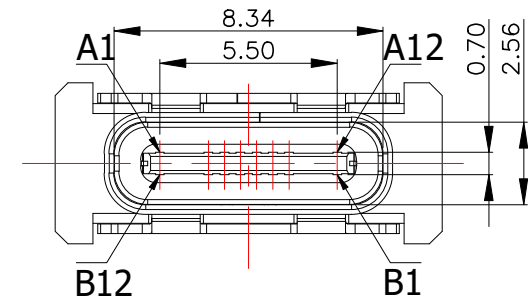
七、工作温度： $-55^{\circ}\text{C}\sim+85^{\circ}\text{C}$

八、盐雾测试：通过48H在浓度为 $5 \pm 1\%$ 盐水的盐雾测试无生锈现象



BOM									
序号	名称	料号	用量	品名规格					
1	外壳		1	Typec立插 外壳 SUS304 T=0.30mm					
2	Molding 3		1	Typec立贴 SMT 16PIN Molding C7025 LCP黑色 L=6.5 半成品					
2.1	Molding 1		1	Typec立贴 SMT 16PIN Molding A C7025 LCP黑色 L=6.5					
2.2	Molding 2		1	Typec立贴 SMT 16PIN Molding B C7025 LCP黑色 L=6.5					
2.3	卡勾		1	Typec立贴 SMT 16PIN 卡勾 SUS301 T=0.15mm L=6.5					
MEASURE POINT:		 联晟欣连接器（深圳）有限公司 Lianshengxin Connector (Shenzhen) Co., Ltd							
QUADRANT POINT									
TANGENCY POINT									
INTERSECTION POINT									
UNLESS OTHERWISE SPECIFIED, TOLERANCE:			DESIGN	Andy	DATE	2014.12.24	TITLE:		
X. ±0.35			CHECKED		DATE		TYPE C 16PIN 180度 立贴SMT型		
X.x ±0.25			APPROVED		DATE		6.5 & 10.5		
X.xx ±0.15			PART NO: LCK-TCF814-LXXXYL-G1				REV: 04	SCALE: 1:1	UNIT: mm
ANGULAR ±3°			DRAWING NO: 102022118				SIZE: A4	SHEET: 1/1	

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特性:

一、电气性能: ELECTRICAL

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三、材料: MATERIAL

四、电镀: FINISH

1. 端子: 接触点镀金1U"MIN
PIN脚焊接区域镀锡80U"MIN
2. 外壳: 镀镍80U"MIN (盐雾48H)

五、电镀品需做粘锡测试: 粘锡面积达到95%以上。

六、SMT回流焊 (峰值260° C±5° C) 不能起泡、熔胶、变色不良 (变形在公差范围以内)

七、工作温度: -55° C~+85° C

八、盐雾测试: 通过48H在浓度为5±1%盐水的盐雾测试无生锈现象

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND			VBUS	CC1	D+	D-	SBU1	VBUS			GND
GND	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
			VBUS	SBU2	D-	D+	CC2	VBUS			GND

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MEASURE POINT:
QUADRANT POINT (QP)
TANGENCY POINT (TP)
INTERSECTION POINT (IP)

UNLESS OTHERWISE SPECIFIED, TOLERANCE:
X. ±0.25
X.X ±0.20
X.XX ±0.15
ANGULAR ±3°

联晟欣连接器 (深圳) 有限公司
Lianshengxin Connector (Shenzhen) Co., Ltd

DESIGN	Andy	DATE	2014.12.24	TITLE:	TYPE C 16PIN 180度 立贴SMT型 6.5&10.5
CHECKED		DATE		REV:	04
APPROVED		DATE		SCALE:	1:1
PART NO:	LCK-TCF814-LXXXYL-G1	REV:	04	UNIT:	mm
DRAWING NO:	102022118	SIZE:	A4	SHEET:	1/1

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七、工作温度: -55° C~+85° C

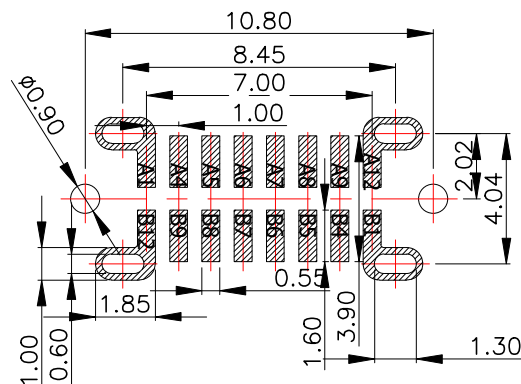
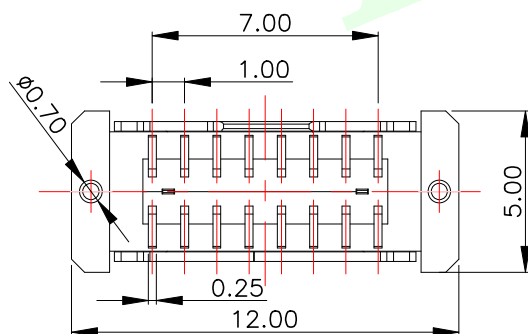
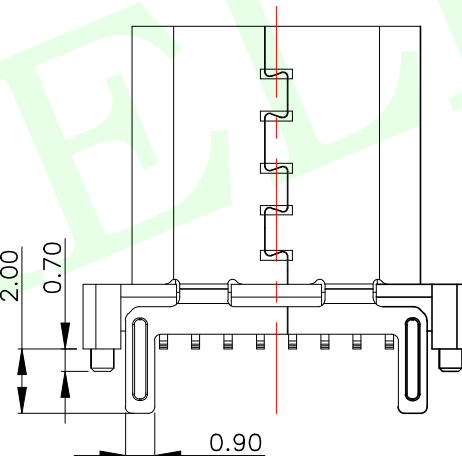
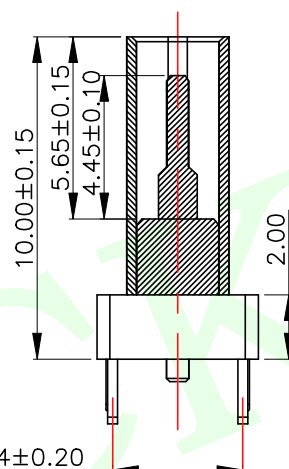
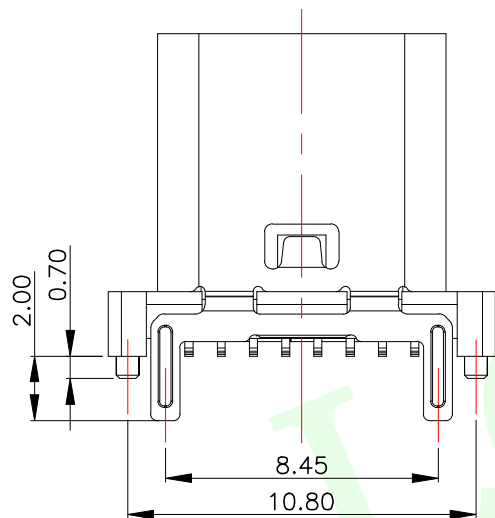
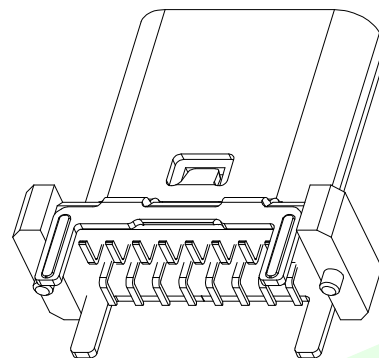
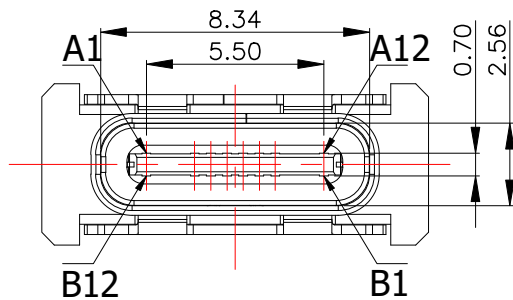
八、盐雾测试: 通过48H在浓度为5±1%盐水的盐雾测试无生锈现象

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GND			VBUS	SBU2	D-	D+	CC2	VBUS			GND
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DESIGN		Andy	DATE	2014.12.24
CHECKED			DATE	
APPROVED			DATE	
PART NO: LCK-TCF814-LXXYL-G1		REV: 04		TITLE: TYPE C 16PIN 180度 立贴SMT型 6.5&10.5
DRAWING NO: 102022118		SIZE: A4		SCALE: 1:1 UNIT: mm
		SHEET: 1/1		

联晟欣连接器 (深圳) 有限公司
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GND			VBUS	SBU2	D-	D+	CC2	VBUS			GND
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DESIGN		Andy	DATE	2014.12.24
CHECKED			DATE	
APPROVED			DATE	
PART NO: LCK-TCF814-LXXYL-G1			REV: 04	SCALE: 1:1
DRAWING NO: 102022118			SIZE: A4	SHEET: 1/1
TITLE: TYPE C 16PIN 180度 立贴SMT型 6.5&10.5				
UNIT: mm				



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GND			VBUS	CC1	D+	D-	SBU1	VBUS			GND
GND			VBUS	SBU2	D-	D+	CC2	VBUS			GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1

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CHECKED			DATE	
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PART NO: LCK-TCF814-LXXYL-G1			REV: 04	SCALE: 1:1
DRAWING NO: 102022118			SIZE: A4	SHEET: 1/1
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UNIT: mm				

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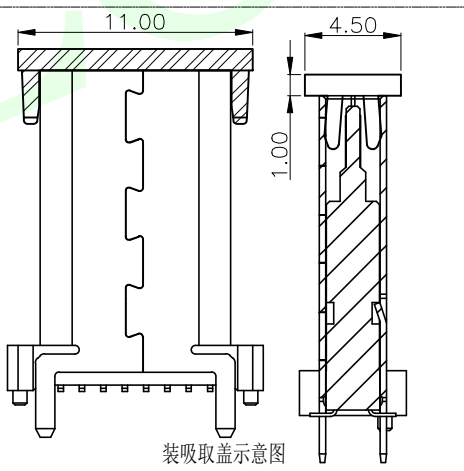
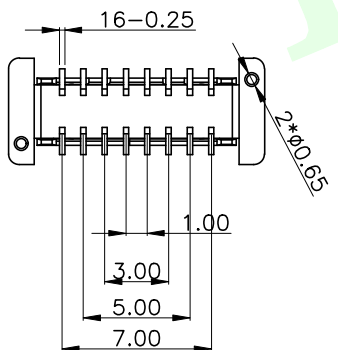
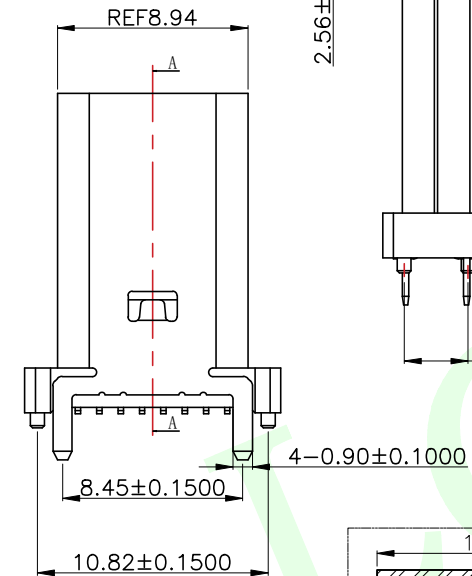
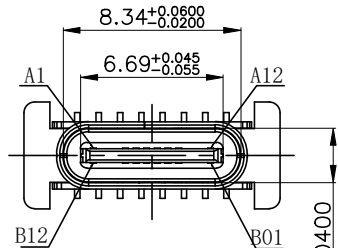
A

B

C

D

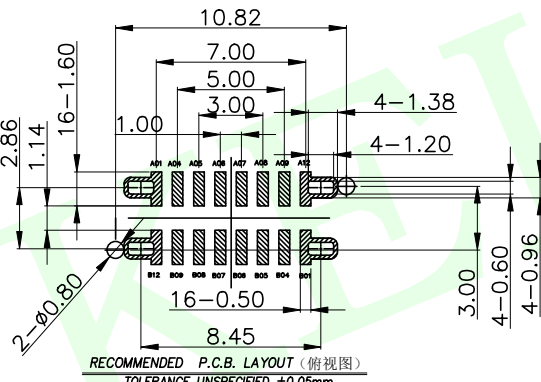
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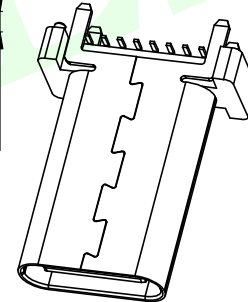
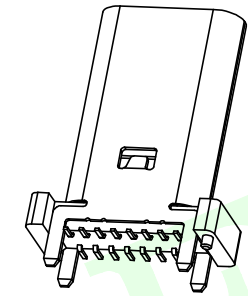
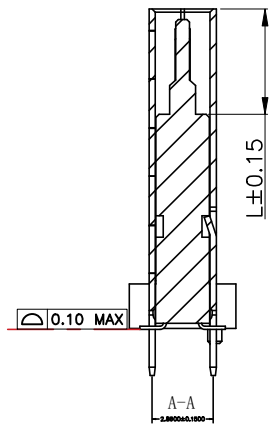
REF3.16

0.70

2.20±0.1500



RECOMMENDED P.C.B. LAYOUT (俯视图)
TOLERANCE UNSPECIFIED ±0.05mm



备注:

1.材质:

1.1 胶芯: LCP+30%G.F UL94V-0

1.2 端子: 黄铜C2680/高导电C7025, T=0.15mm;

1.3 外壳: SUS304/SUS201, T=0.30mm;

1.4 中夹片: SUS301, T=0.15mm;

2.主要特性:

2.1额定电流: 3A/5A

2.2接触阻抗: 40mΩ MAX(初始值)
50mΩ MAX(测试后)

2.3绝缘阻抗: 100MΩ MIN

2.4耐压测试: 100V AC R.M.S.

2.6整体插入力: 5-20N 整体插入力: 5-20N (耐久后)
整体拔出力: 8-20N 整体拔出力: 6-20N (耐久后)

2.7耐久: 10000次

2.8耐高温: 建议1. 波峰焊 2. SMT回流焊 (峰值260°±5°),
塑胶不能有起泡, 融胶等不良, 变色, 翘曲变形在公差范围以内;

2.9产品须做焊锡测试, 粘锡面积达到95%以上;

3.0盐雾测试: 48H MIN

3.1工作温度: -30℃~+85℃

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X.xx ±0.15
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DESIGN	Andy	DATE	2014.12.24	TITLE	TYPE C 16PIN 180度 立贴SMT型
CHECKED		DATE			11.5&15.0
APPROVED		DATE			
PART NO:	LCK-TCF814-LXXXYL-G1	REV:	04	SCALE:	1:1
DRAWING NO:		SIZE:	A4	SHEET:	1/1