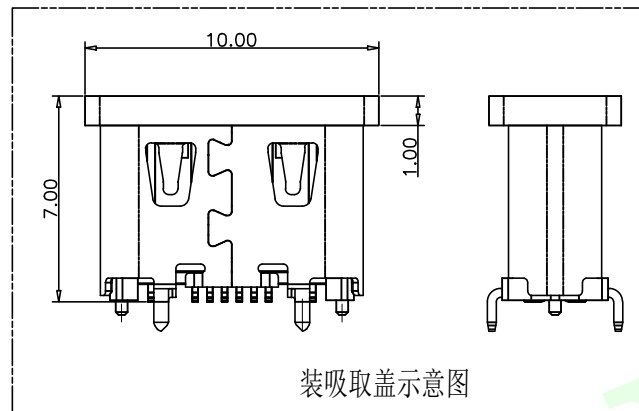
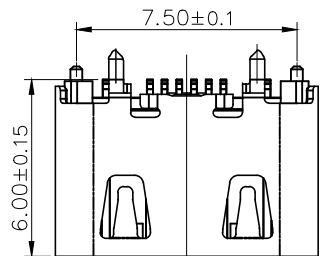
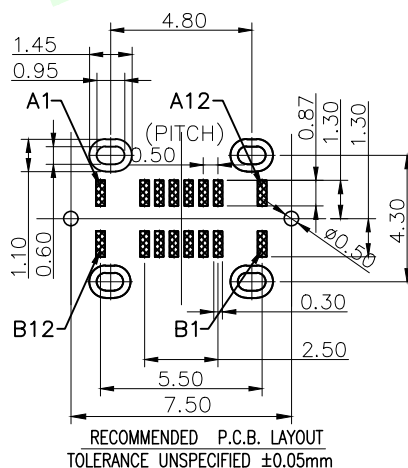
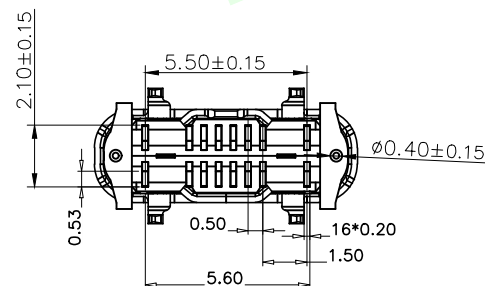
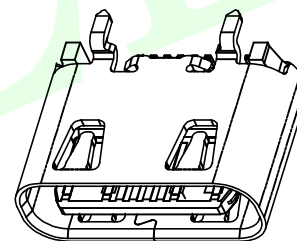
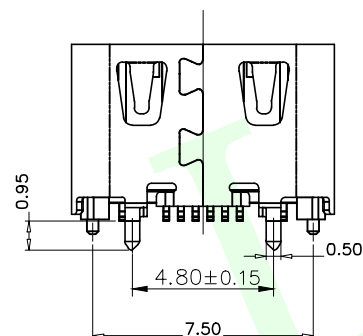
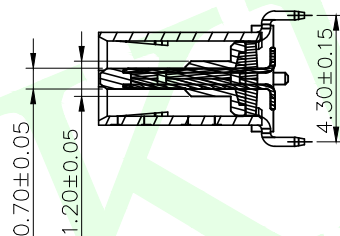
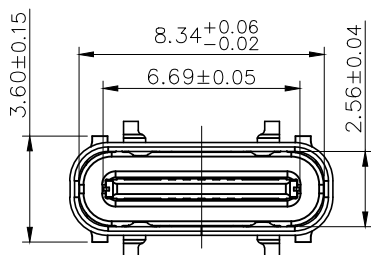


RoHS Compliant



装吸取盖示意图



NOTES:

- ELECTRICAL CHARACTERISTICS (C端):
 - CURRENT RATING: VBUS AND GND CONTACTS RATED AT 6A;
 - INITIAL CONTACT RESISTANCE: $30m\Omega$ Max;
 - INSULATION RESISTANCE: $500m\Omega$ Min;
 - DIELECTRIC WITHSTANDING VOLTAGE: 500V AC ONE MINUTE.
 - OPERATING TEMPERATURE: $-40^{\circ}C \sim +125^{\circ}C$;
- MECHANICAL CHARACTERISTICS (C端):
 - MATING FORCE: 5~20N;
 - UNMATING FORCE: 8~20N (INITIAL), 6~20N (AFTER 10000 CYCLES);
 - FREQUENCY: 200 $\pm$ 50 CYCLES/HOUR, 10000 CYCLES;
- Conn Appearance is very velvet and any appearance defect such AS, Scratch, Distortion, Turning up couldn't be attowed;
- Harmful Material and process contral please follow DOC, No, "QYBZ-QA-022-C7"&ROHS2.0&HF;
- Not allowed to add material;
- 制程全检说明: 标注 "△" 为制程100%全检尺寸, 标注 "●" 为CPK管控尺寸。
- 标注 "▽" 为重点管控尺寸, 制程巡检中需量测;
- 导通&耐压测试标准: 导通阻抗 $<10\Omega$;
- 功能区及焊脚区无金属丝;

LCK-TCF 830 -LXXX Y L- G1

连晟欣 LCK

产品类别
TCF: TYPE C母头
TCM: TYPE C公头

产品流水料号识别码

壳长
L60: 6.0
L64: 6.4
L68: 6.8

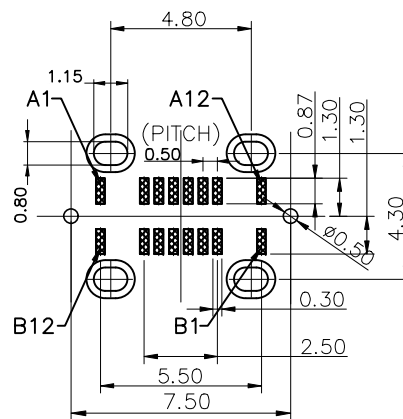
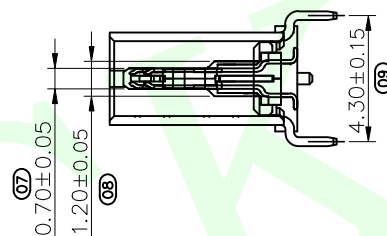
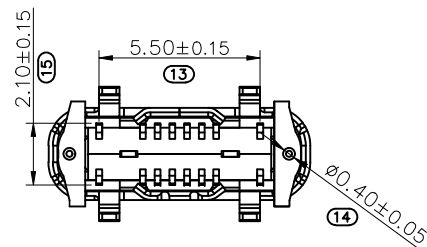
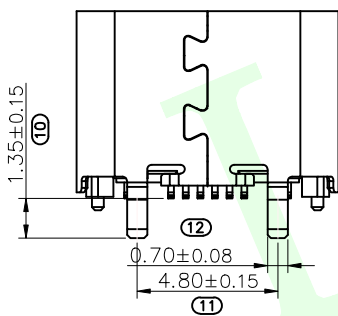
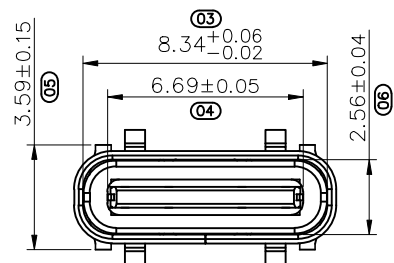
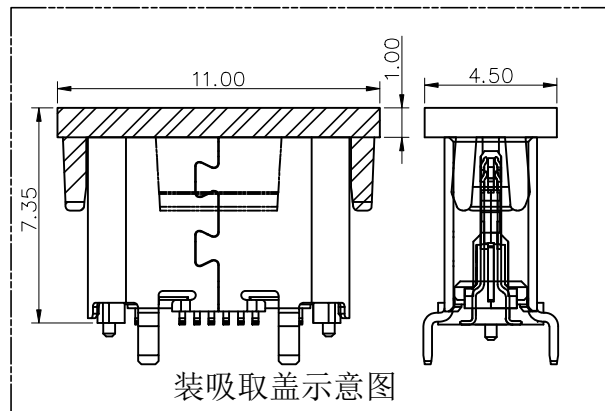
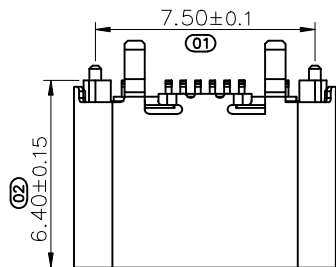
电镀规格
G1: 1U
G3: 3U
(以此类推)

包装方式
L: 圆盘
B: 吸塑盒
T: 管装

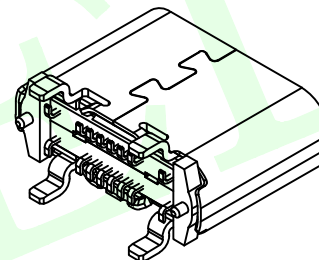
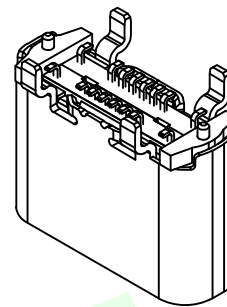
有柱无柱
Y: 有柱
W: 无柱

05	TYPE-C外壳	SUS-304 T=0.30mm	1PCS	镀银50U"Min
04	二次Molding件	LCP	1PCS	LCP 黑色 UL94 V-0
03	一次Molding件	LCP	2PCS	LCP 黑色 UL94 V-0
02	中夹片	SUS301 T=0.12mm	1PCS	清洗, 不电镀
01	端子	C7025 T=0.15mm	16PIN	整体镀银50U"Min, 端子接触面整体镀金 焊接区镀锡
NO	PART NAME	MATERIAL	Q' TY	FINISH
QUADRANT POINT		QP	联晟欣连接器(深圳)有限公司 Lianshengxin Connector (Shenzhen) Co., Ltd	
TANGENCY POINT		TP		
INTERSECTION POINT		IP		
UNLESS OTHERWISE SPECIFIED, TOLERANCE:		DESIGN	Andy	DATE
X.		CHECKED		DATE
X.x		APPROVED		DATE
X.xx		PART NO: LCK-TCF830-L60YL-G1		REV: 04
ANGULAR		DRAWING NO:		SCALE: 1:1
				UNIT: mm
				SHEET: 1/1

RoHS Compliant



RECOMMENDED P.C.B. LAYOUT
TOLERANCE UNSPECIFIED ±0.05mm



备注:

1.材质:

1.1 胶芯: LCP+30%G.F UL94V-0

1.2 端子: 高导电C7025, T=0.15mm; 镍底50U", 接触区域镀金(AU 1u") 焊接区镀金G/F

1.3 外壳: SUS304, T=0.30mm; 表面镀镍30U"

1.4 中夹片: SUS301, T=0.15mm;

2.主要特性:

2.1额定电流: 5A

2.2接触阻抗: 40mΩE MAX(初始值)
50mΩ MAX(测试后)

2.3绝缘阻抗: 100MΩE 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: 8-20N 整体拔出: 6-20N(耐久后)

2.7耐久: 10000次

2.8耐高温: 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℃

A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	DP1	B7	DN2
A7	DN1	B6	DP2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND
PIN	SIGNAL NAME	PIN	SIGNAL NAME

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

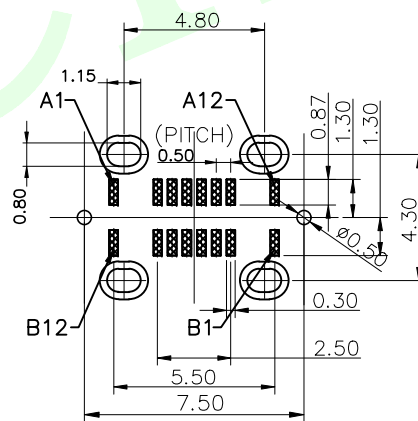
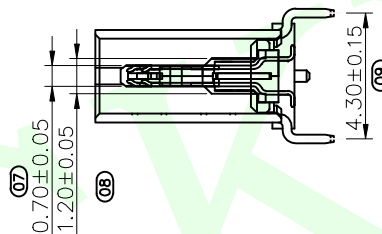
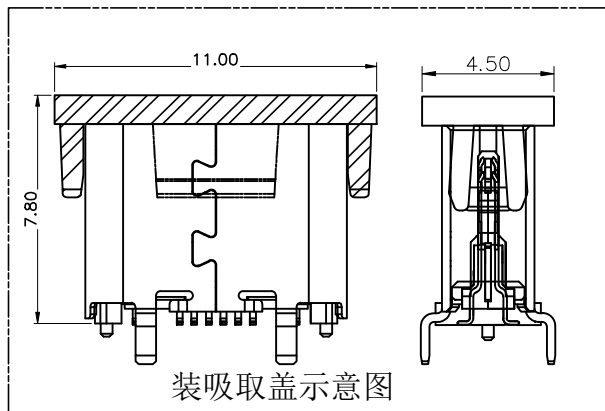
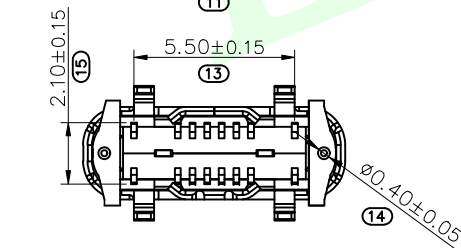
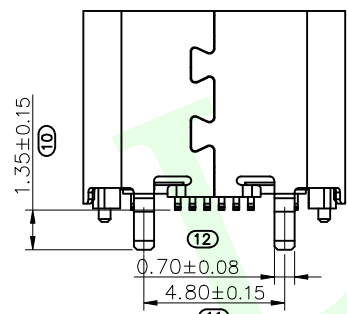
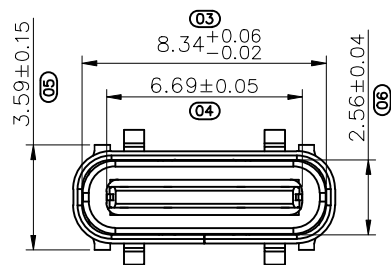
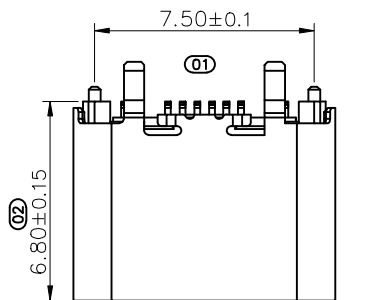
UNLESS OTHERWISE SPECIFIED, TOLERANCE:

X. ±0.25
X.x ±0.20
X.xx ±0.15
ANGULAR ±3°

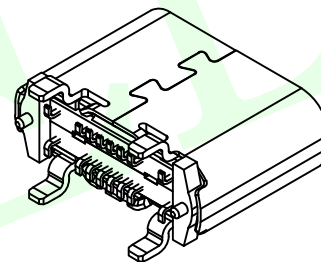
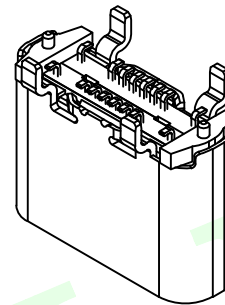
联晟欣连接器(深圳)有限公司
Lianshengxin Connector (Shenzhen) Co., Ltd

DESIGN	Andy	DATE	2014.12.24	TITLE:
CHECKED		DATE		TYPE C 16PIN 母座立贴6.4mm
APPROVED		DATE		脚长1.35mm
PART NO:	LCK-TCF830-L64YL-G1	REV:	04	SCALE: 1:1
DRAWING NO:		SIZE:	A4	SHEET: 1/1

RoHS Compliant



RECOMMENDED P.C.B. LAYOUT
TOLERANCE UNSPECIFIED ±0.05mm



备注:

1.材质:

1.1 胶芯: LCP+30%G.F UL94V-0

1.2 端子: 高导铜C7025, T=0.15mm; 镀底50U", 接触区域镀金(AU 1u") 焊接区镀金G/F

1.3 外壳: SUS304, T=0.30mm; 表面镀镍30U"

1.4 中夹片: SUS301, T=0.15mm;

2.主要特性:

2.1额定电流: 5A

2.2接触阻抗: 40mΩE MAX(初始值)
50mΩ MAX(测试后)

2.3绝缘阻抗: 100MΩE 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: 8-20N 整体拔出: 6-20N (耐久后)

2.7耐久: 10000次

2.8耐高温: 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℃

A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	DP1	B7	DN2
A7	DN1	B6	DP2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND
PIN	SIGNAL NAME	PIN	SIGNAL NAME

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°

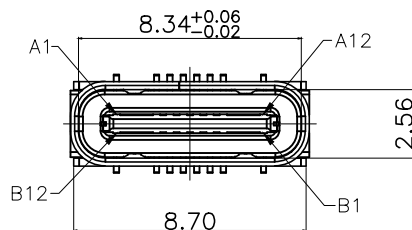


联晟欣连接器(深圳)有限公司
Lianshengxin Connector (Shenzhen) Co., Ltd

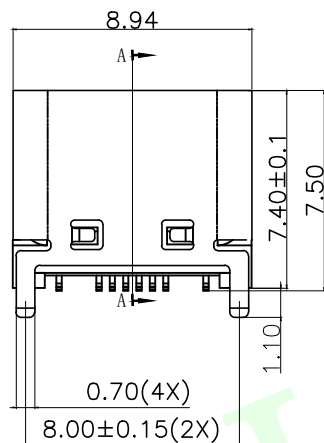
DESIGN	Andy	DATE	2014.12.24	TITLE:	TYPE C 16PIN 母座立贴6.8mm 脚长1.35mm
CHECKED		DATE			
APPROVED		DATE			
PART NO:	LCK-TCF830-L68YL-G1	REV:	04	SCALE:	1:1
DRAWING NO:		SIZE:	A4	SHEET:	1/1

RoHS Compliant

A

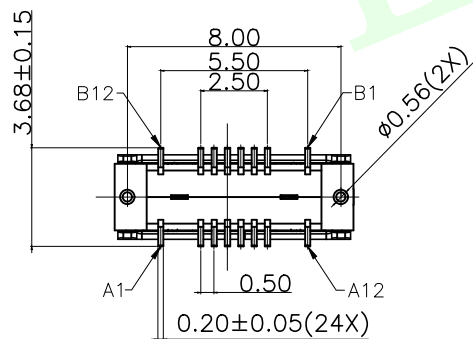


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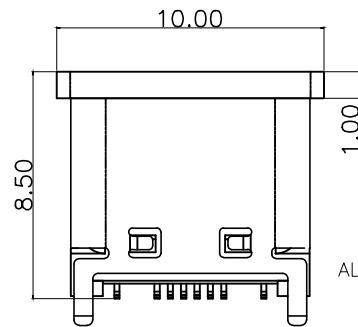


C

D

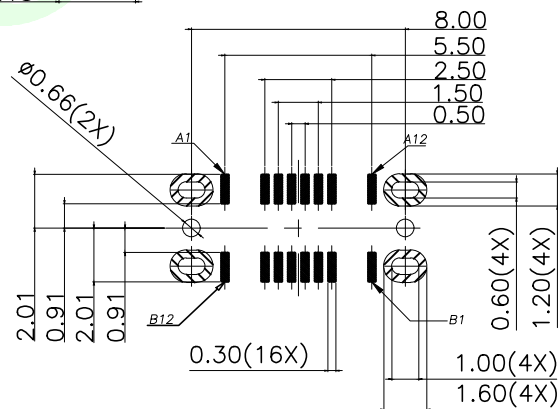
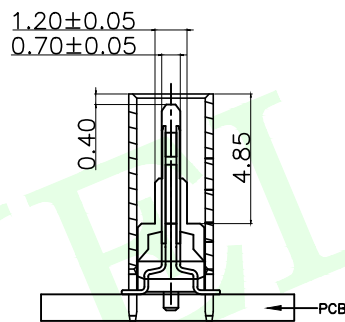
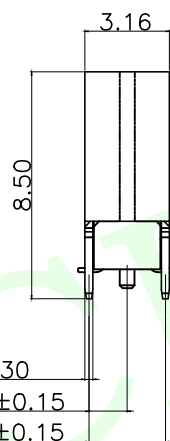


E



装吸取盖示意图

SECTION:A-A



RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS 1.0±0.10MM;DEFAULT TOLERANCE:±0.05

ALL CONTACTS

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	Vbus	B9	Vbus
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	Vbus	B4	Vbus
A12	GND	B1	GND

NOTES:

1. ELECTRICAL CHARACTERISTICS (C端):

- 1-1. CURRENT RATING: VBUS AND GND CONTACTS RATED AT 6A,
- 1-2. INITIAL CONTACT RESISTANCE: 30MΩ Max;
- 1-3. INSULATION RESISTANCE: 500MΩ Min;
- 1-4. DIELECTRIC WITHSTANDING VOLTAGE: 500V AC ONE MINUTE.
- 1-5. OPERATING TEMPERATURE: -40℃~+125℃;

2. MECHANICAL CHARACTERISTICS (C端):

- 2-1. MATING FORCE: 5~20N;
- 2-2. UNMATING FORCE: 8~20N (INITIAL), 6~20N (AFTER 10000 CYCLES);
- 2-3. FREQUENCY: 200±50 CYCLES/HOUR, 10000 CYCLES;

5. Conn Appearance is very velvet and any appearance defect such AS, Scratch, Distortion, Turning up couldn't be attowed;

6. Harmful Material and process contral please follow DOC, No, "QYBZ-QA-022-C7"&ROHS2.0&HF;

7. Not allowed to add material;

8. 制程全检说明: 标注 "△" 为制程100%全检尺寸, 标注 "⊙" 为CPK管控尺寸。

9. 标注 "▽" 为重点管控尺寸, 制程巡检中需量测;

10. 导通&耐压测试标准: 导通阻抗<10Ω;

11. 功能区及焊脚区无金属丝;

05	TYPE-C外壳	SUS 304 ,T=0.30mm	1PCS	镀镍50U"Min
04	二次Molding件	9T	1PCS	9T 黑色 UL94 V-0
03	一次Molding件	9T	2PCS	9T 黑色 UL94 V-0
02	中夹片	SUS301 T=0.15mm	1PCS	清洗, 不电镀
01	端子	C7025 T=0.15mm	16PIN	整体镀镍800"Min, 端子接触面整体镀金 焊接区镀金
NO	PART NAME	MATERIAL	Q' TY	FINISH

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



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

UNLESS OTHERWISE SPECIFIED, TOLERANCE:	DESIGN	Andy	DATE	2014.12.24	TITLE:
X. ±0.25	CHECKED		DATE		TYPE C 16PIN 母座立贴7.4mm
X.x ±0.20	APPROVED		DATE		牌长1.10mm
X.xx ±0.15	PART NO:	LCK-TCF830-L74YL-G1	REV:	04	SCALE: 1:1
ANGULAR ±3°	DRAWING NO:		SIZE:	A4	SHEET: 1/1