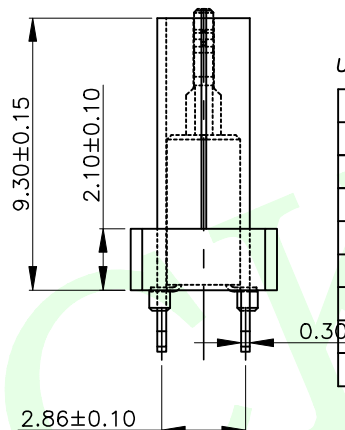
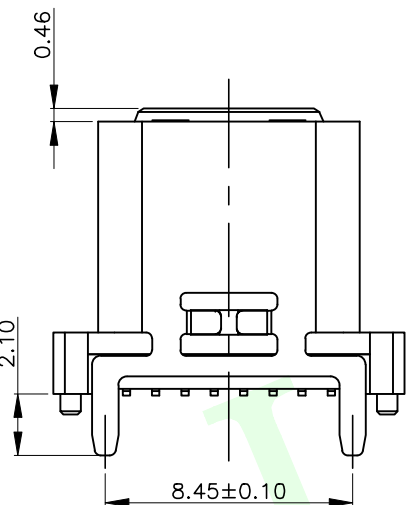
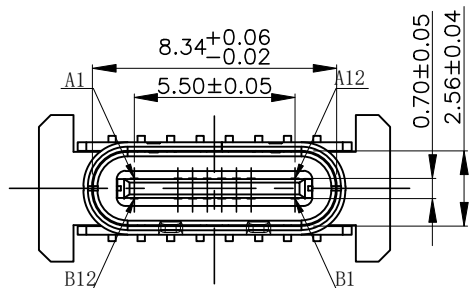
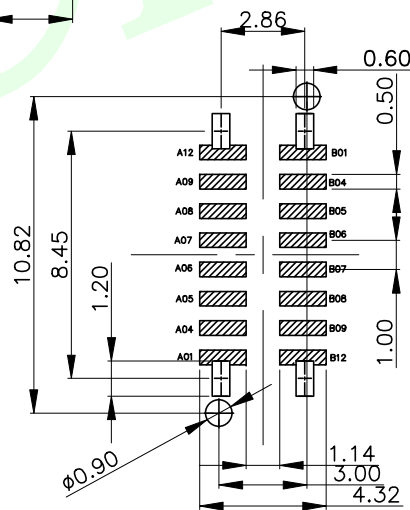
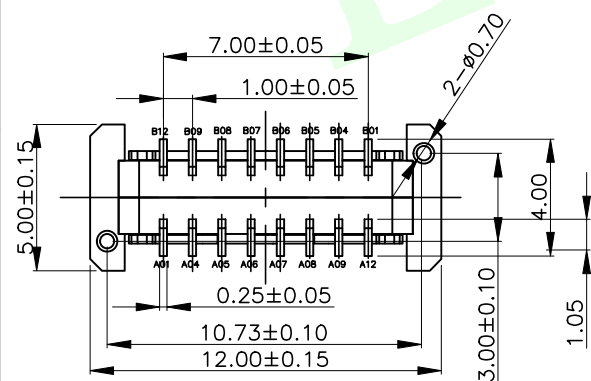


RoHS Compliant

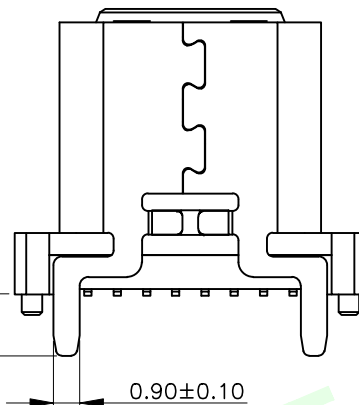


USB TYPE-C PIN ASSIGNMENTS

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



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: C7025 : 镍底50U" MIN

接触区域镀金 (AU 1u") 焊接区域镀金G/F

1.3 外壳: SUS304, T=0.30mm: 表面镀镍30U" MIN

1.4 中夹片: SUS301:

2. 主要特性:

2.1 额定电流: 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

2.5 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)

2.6 耐久: 10000次

2.7 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。

2.8 产品须做焊锡测试, 粘锡面积达到95%以上:

2.9 盐雾测试: 24H MIN

3.0 工作温度: -25℃ ~ +80℃

LCK-TCF 829 -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
L93: 9.3
L100: 10.0
L105: 10.5
.....
L185: 18.5

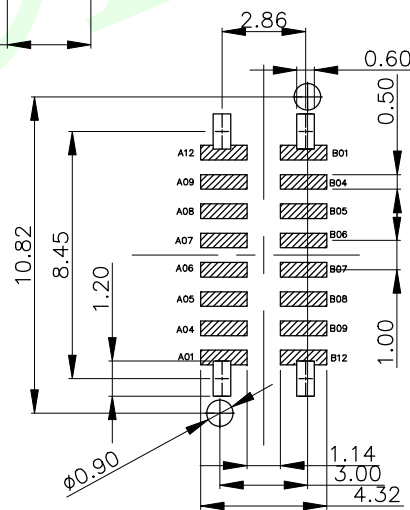
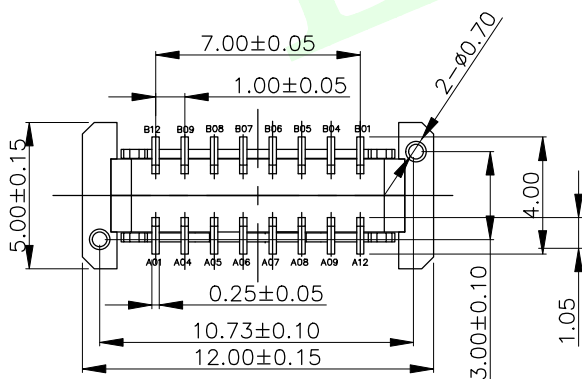
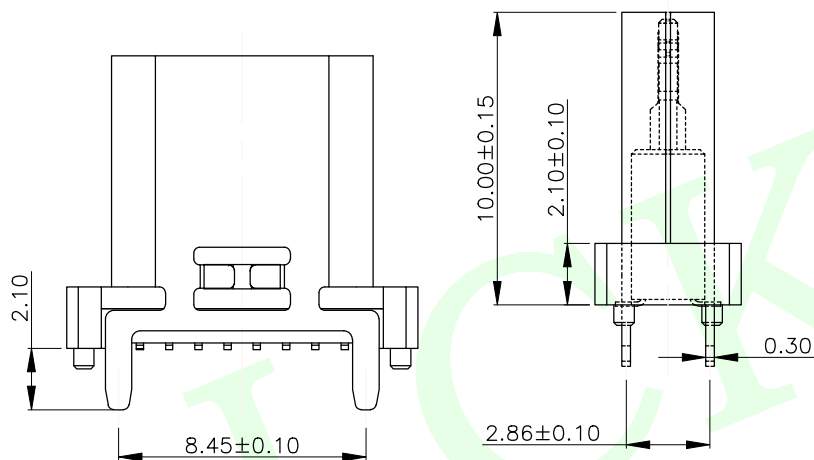
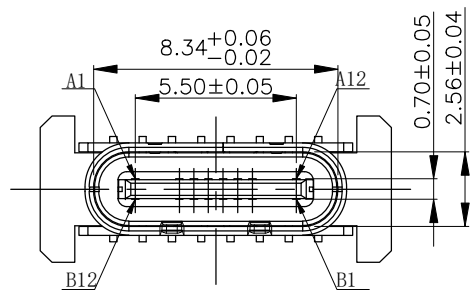
有柱无柱
Y: 有柱
W: 无柱

包装方式
L: 圆盘
B: 吸塑盒
T: 管装

电镀规格
G1: 1U
G3: 3U
(以此类推)

QUADRANT POINT (QP)	联晟欣连接器 (深圳) 有限公司			
TANGENCY POINT (TP)	Lianshengxin Connector (Shenzhen) Co., Ltd			
INTERSECTION POINT (IP)				
UNLESS OTHERWISE SPECIFIED, TOLERANCE:	DESIGN	Andy	DATE	2014.12.24
X. ±0.25	CHECKED		DATE	
X.x ±0.20	APPROVED		DATE	
X.xx ±0.15	PART NO:	LCK-TCF829-L93YL-G1	REV:	04
ANGULAR ±3°	DRAWING NO:		SCALE:	1:1
			UNIT:	mm
			SHEET:	1/1

RoHS Compliant



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: C7025 : 镍底50U" MIN

接触区域镀金 (AU 1u") 焊接区域镀金G/F

1.3 外壳: SUS304, T=0.30mm: 表面镀镍30U" MIN

1.4 中夹片: SUS301:

2. 主要特性:

2.1 额定电流: 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

2.5 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)

2.6 耐久: 10000次

2.7 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。

2.8 产品须做焊锡测试, 粘锡面积达到95%以上:

2.9 盐雾测试: 24H MIN

3.0 工作温度: -25℃ ~ +80℃

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

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

UNLESS OTHERWISE SPECIFIED, TOLERANCE:

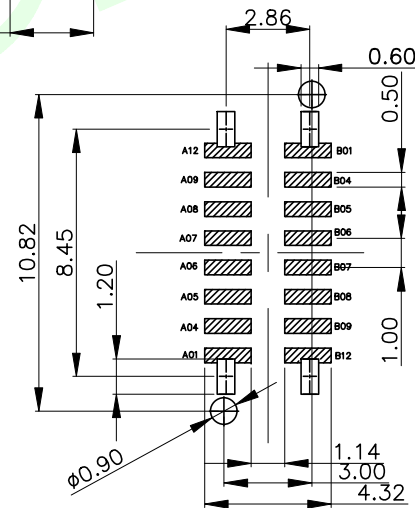
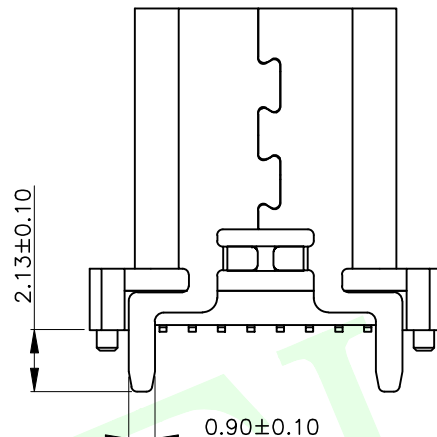
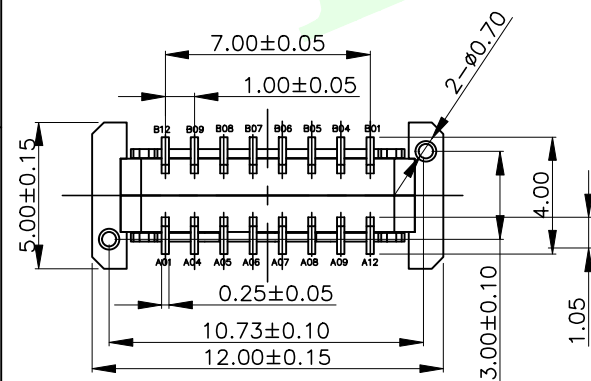
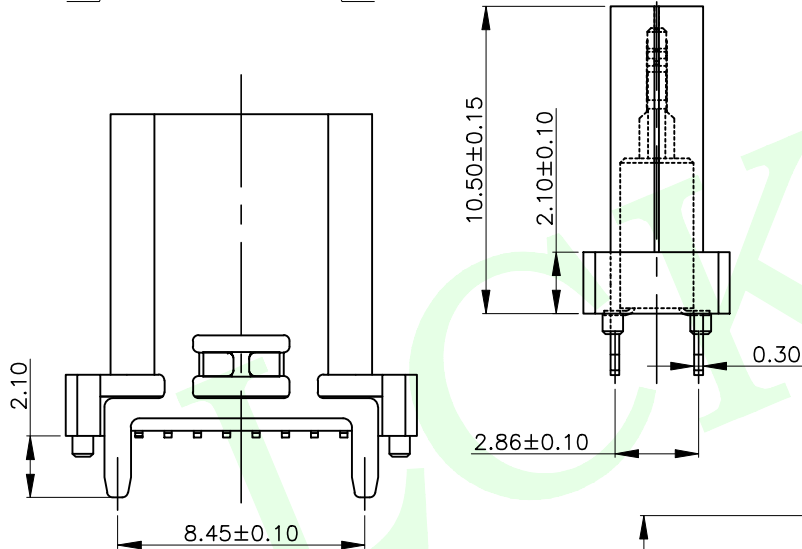
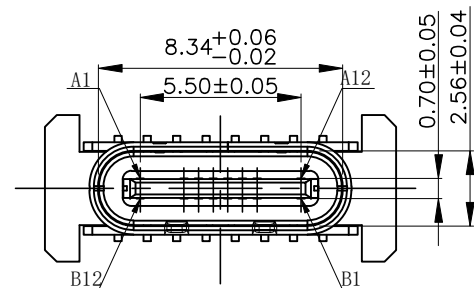
X. ±0.25
X.x ±0.20
X.xx ±0.15
ANGULAR ±3°



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10.0mm
APPROVED		DATE		
PART NO:	LCK-TCF829-L100YL-G1	REV:	04	SCALE: 1:1
DRAWING NO:		SIZE:	A4	SHEET: 1/1

RoHS Compliant



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: C7025 : 镍底50U" MIN

接触区域镀金 (AU 1u") 焊接区域镀金G/F

1.3 外壳: SUS304, T=0.30mm: 表面镀镍30U" MIN

1.4 中夹片: SUS301:

2. 主要特性:

2.1 额定电流: 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

2.5 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)

2.6 耐久: 10000次

2.7 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。

2.8 产品须做焊锡测试, 粘锡面积达到95%以上:

2.9 盐雾测试: 24H MIN

3.0 工作温度: -25℃~+80℃

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

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

UNLESS OTHERWISE
SPECIFIED, TOLERANCE:

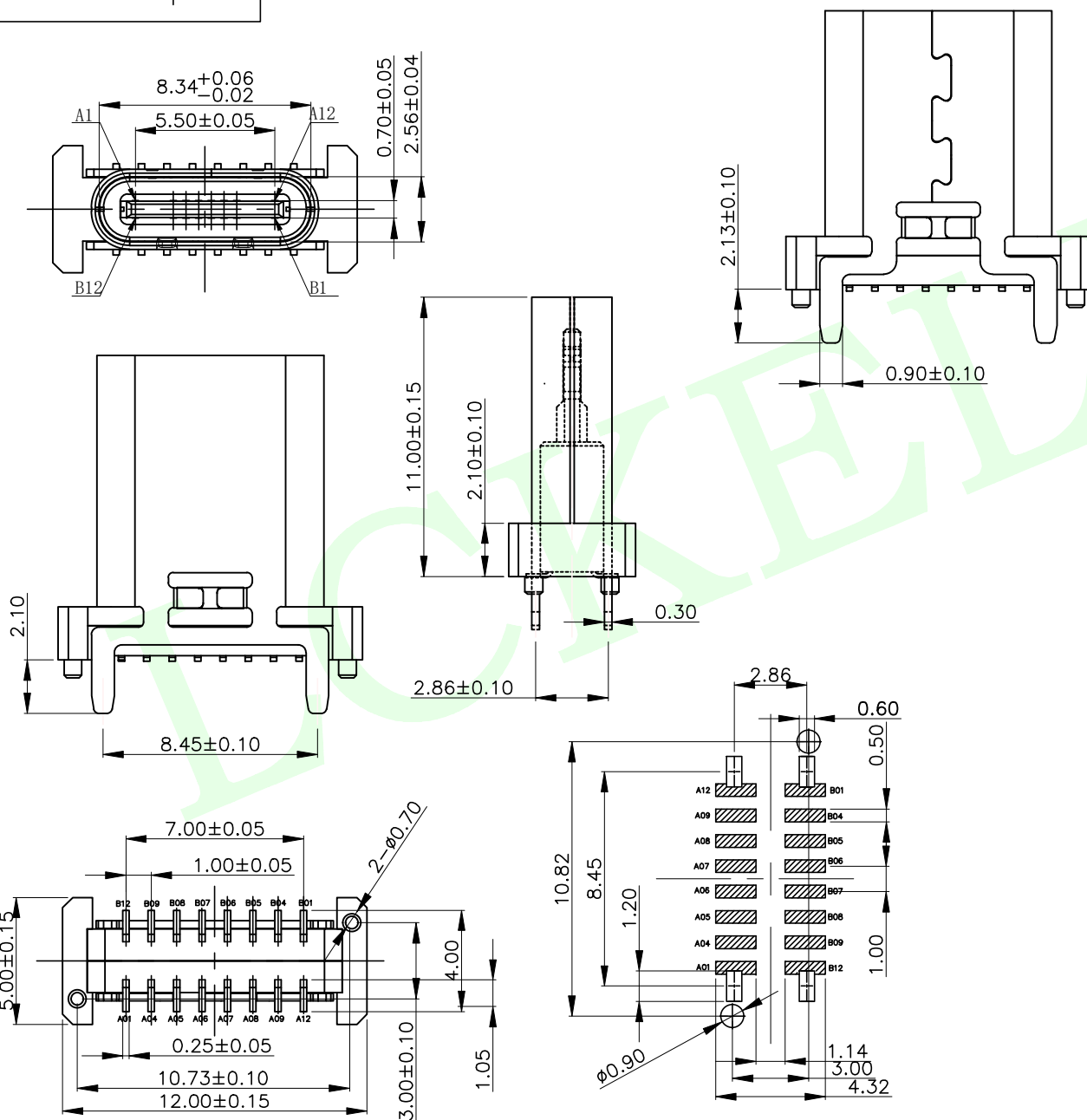
X. ±0.25
X.x ±0.20
X.xx ±0.15
ANGULAR ±3°



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10.5mm
CHECKED: DATE:
APPROVED: DATE:
PART NO: LCK-TCF829-L105YL-G1 REV: 04 SCALE: 1:1 UNIT: mm
DRAWING NO: SIZE: A4 SHEET: 1/1

RoHS Compliant



备注:

1. 材质:

1.1胶芯: LCP+30%G.F UL94V-0

1.2端子: C7025 : 镍底50U" MIN

接触区域镀金 (AU 1u") 焊接区域镀金G/F

1.3外壳: SUS304, T=0.30mm: 表面镀镍30U" MIN

1.4中夹片: SUS301:

2. 主要特性:

2.1额定电流: 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

2.5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)

2.6耐久: 10000次

2.7耐高温：SMT回流焊（峰值 $260^{\circ} \pm 5^{\circ}$ ），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。

2.8产品须做焊锡测试，粘锡面积达到95%以上：

2.9盐雾测试: 24H MIN

3.0工作温度: $-25^{\circ}\text{C} \sim +80^{\circ}\text{C}$

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

QUADRANT POINT	
TANGENCY POINT	
INTERSECTION POINT	

UNLESS OTHERWISE
SPECIFIED, TOLERANCE:

X.	± 0.25
X.x	± 0.20
X.xx	± 0.15
ANGULAR	$\pm 3^\circ$



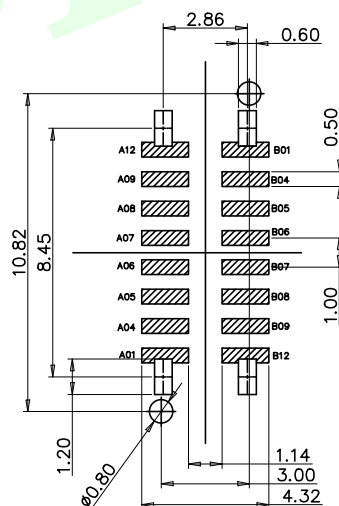
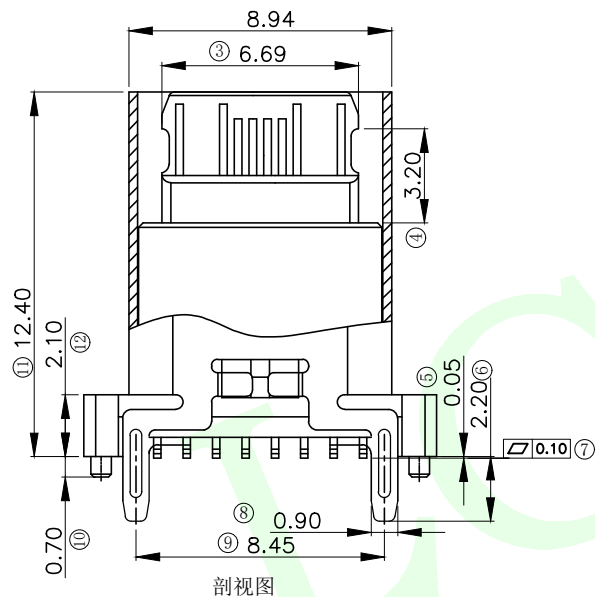
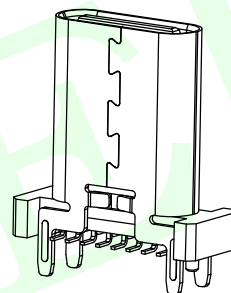
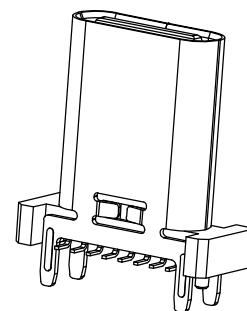
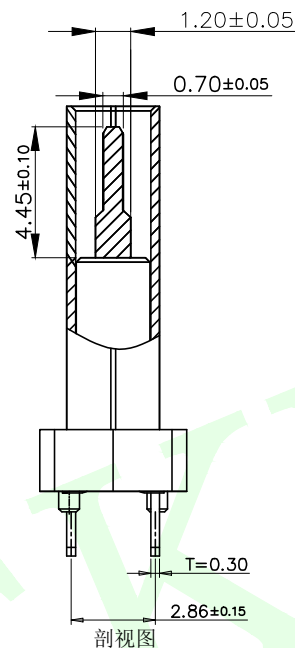
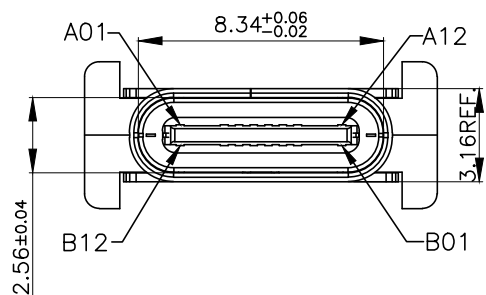
联晟欣连接器（深圳）有限公司
Lianshengxin Connector (Shenzhen) Co., Ltd

DESIGN	Andy	DATE	2014.12.24	TITLE:
CHECKED		DATE		TYPE C 16PIN 母座立贴11.0mm

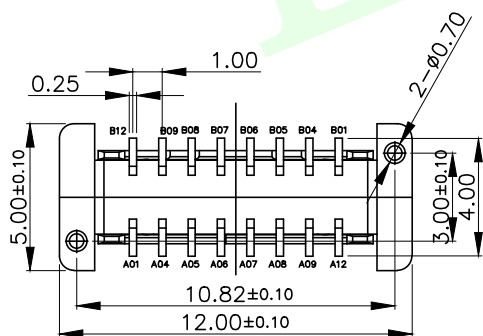
PART NO: LCK-TCF829-L110YL-G1	REV: 04	SCALE: 1:1	UNIT: mm
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DRAWING NO:	SIZE: A4	SHEET: 1/1	
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RoHS Compliant



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: C7025 : 镍底50U" MIN

接触区域镀金 (AU 1u") 焊接区域镀金G/F

1.3 外壳: SUS304, T=0.30mm: 表面镀镍30U" MIN

1.4 中夹片: SUS301:

2. 主要特性:

2.1 额定电流: 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

2.5 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)

2.6 耐久: 10000次

2.7 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。

2.8 产品须做焊锡测试, 粘锡面积达到95%以上:

2.9 盐雾测试: 24H MIN

3.0 工作温度: -25℃~+80℃

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

QUADRANT POINT TANGENCY POINT INTERSECTION POINT	  	 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12.4mm	
		APPROVED		DATE			
UNLESS OTHERWISE SPECIFIED, TOLERANCE:		PART NO: LCK-TCF829-L124YL-G1			REV: 04	SCALE: 1:1	UNIT: mm
X. ±0.25		DRAWING NO:			SIZE: A4	SHEET: 1/1	
X.x ±0.20							
X.xx ±0.15							
ANGULAR ±3°							

RoHS Compliant

Technical drawing of a USB Type-C connector showing top, side, and cross-sectional views with dimensions and pin assignments.

Dimensions (mm):

- Top View: A01 to A12, B12 to B01, 8.34^{+0.06}_{-0.02}, 3.16 REF., 2.56^{±0.04}, 8.94 REF., 6.69^{+0.045}_{-0.055}, 13.10^{±0.20}, 2.10, 0.90^{±0.05}, 8.45^{±0.15}, 0.25, 1.00, 5.00^{±0.10}, 10.82^{±0.10}, 12.00^{±0.10}, 2-Ø0.70, 3.00^{±0.10}, 4.00.
- Side View: 1.20^{±0.05}, 0.70^{±0.05}, 4.45^{±0.10}, T=0.30, 2.86^{±0.15}, 0.10.
- Cross-sectional View: 2.86, 0.60, 0.50, 1.00, 1.14, 3.00, 4.32, Ø0.80, 1.20, 10.82, 8.45, 0.80.

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

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

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

UNLESS OTHERWISE SPECIFIED, TOLERANCE:

DESIGN	Andy	DATE	2014.12.24	TITLE
CHECKED		DATE		TYPE C 16PIN 母座立贴13.1mm
APPROVED		DATE		
PART NO:	LCK-TCF829-L131YL-G1	REV:	04	SCALE: 1:1
DRAWING NO:		SIZE:	A4	UNIT: mm

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

备注:

1. 材质:
 - 1.1 胶芯: LCP+30%G.F UL94V-0
 - 1.2 端子: C7025 : 镍底50U" MIN
接触区域镀金 (AU 1u") 焊接区域镀金G/F
 - 1.3 外壳: SUS304, T=0.30mm; 表面镀镍30U" MIN
 - 1.4 中夹片: SUS301;
2. 主要特性:
 - 2.1 额定电流: 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
 - 2.5 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)
 - 2.6 耐久: 10000次
 - 2.7 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。
 - 2.8 产品须做焊锡测试, 粘锡面积达到95%以上;
 - 2.9 盐雾测试: 24H MIN
 - 3.0 工作温度: -25℃~+80℃

1. 材质:
- 1.1 胶芯: LCP+30%G.F UL94V-0
- 1.2 端子: C7025 : 镍底50U" MIN
接触区域镀金 (AU 1u") 焊接区域镀金G/F
- 1.3 外壳: SUS304, T=0.30mm: 表面镀镍30U" MIN
- 1.4 中夹片: SUS301:
2. 主要特性:
- 2.1 额定电流: 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
- 2.5 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)
- 2.6 耐久: 10000次
- 2.7 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。
- 2.8 产品须做焊锡测试, 粘锡面积达到95%以上:
- 2.9 盐雾测试: 24H MIN
3. 0 工作温度: -25℃~+80℃

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

QUADRANT POINT		 联晟欣连接器（深圳）有限公司 Lianshengxin Connector (Shenzhen) Co., Ltd																																				
TANGENCY POINT																																						
INTERSECTION POINT																																						
UNLESS OTHERWISE SPECIFIED, TOLERANCE: X. ±0.25 X.x ±0.20 X.xx ±0.15 ANGULAR ±3°		<table><tr><td>DESIGN</td><td>Andy</td><td>DATE</td><td>2014.12.24</td><td>TITLE:</td><td colspan="3"></td></tr><tr><td>CHECKED</td><td></td><td>DATE</td><td></td><td colspan="4" rowspan="2">TYPE C 16PIN 母座立贴13.1mm</td></tr><tr><td>APPROVED</td><td></td><td>DATE</td><td></td></tr><tr><td colspan="4">PART NO: LCK-TCF829-L131YL-G1</td><td>REV: 04</td><td>SCALE: 1:1</td><td colspan="2">UNIT: mm</td></tr><tr><td colspan="4">DRAWING NO:</td><td>SIZE: A4</td><td>SHEET: 1/1</td><td colspan="2"></td></tr></table>	DESIGN	Andy	DATE	2014.12.24	TITLE:				CHECKED		DATE		TYPE C 16PIN 母座立贴13.1mm				APPROVED		DATE		PART NO: LCK-TCF829-L131YL-G1				REV: 04	SCALE: 1:1	UNIT: mm		DRAWING NO:				SIZE: A4	SHEET: 1/1	 	
DESIGN	Andy	DATE	2014.12.24	TITLE:																																		
CHECKED		DATE		TYPE C 16PIN 母座立贴13.1mm																																		
APPROVED		DATE																																				
PART NO: LCK-TCF829-L131YL-G1				REV: 04	SCALE: 1:1	UNIT: mm																																
DRAWING NO:				SIZE: A4	SHEET: 1/1	 																																

RoHS Compliant

Technical drawing of a USB Type-C connector showing top, side, and cross-sectional views with dimensions and pin assignments.

Dimensions (mm):

- Top View: A01 to A12, B12 to B01, 8.34^{+0.06}_{-0.02}, 3.16 REF, 2.56^{±0.04}, 8.94 REF, 6.69^{+0.04}_{-0.05}, 13.70^{±0.20}, 2.10, 0.05, 2.20^{±0.25}, 0.90^{±0.05}, 8.45^{±0.15}, 0.25, 1.00, 5.00^{±0.10}, 10.82^{±0.10}, 12.00^{±0.10}, 3.00^{±0.10}, 4.00.
- Side View: 1.30, 1.20^{±0.05}, 0.70^{±0.05}, 4.45^{±0.10}, T=0.30, 2.86^{±0.15}, 剖视图.
- Cross-sectional View: 2.86, 0.60, 0.50, 10.82, 8.45, 1.00, 1.20, 1.14, 3.00, 4.32, 1.00, 1.20, 2-Ø0.70, 1.00, 0.80, 1.20, 1.14, 3.00, 4.32.

RECOMMENDED P.C.B. LAYOUT (俯视图)

TOLERANCE UNSPECIFIED ±0.05mm

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

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

UNLESS OTHERWISE SPECIFIED, TOLERANCE:

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

DESIGN: Andy
CHECKED: [Signature]
APPROVED: [Signature]
DATE: 2014.12.24
PART NO: LCK-TCF829-L137YL-G1
DRAWING NO:

TITLE: TYPE C 16PIN 母座立贴13.7mm
REV: 04
SCALE: 1:1
UNIT: mm
SHEET: 1/1

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

备注:

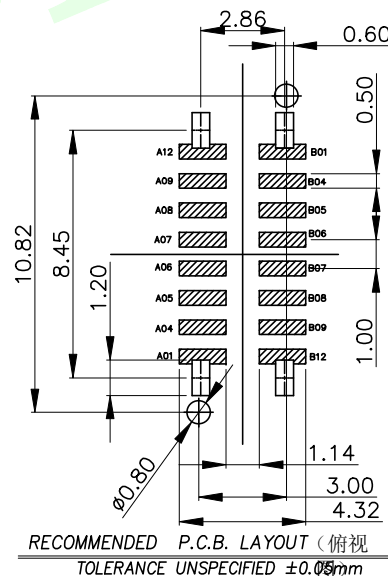
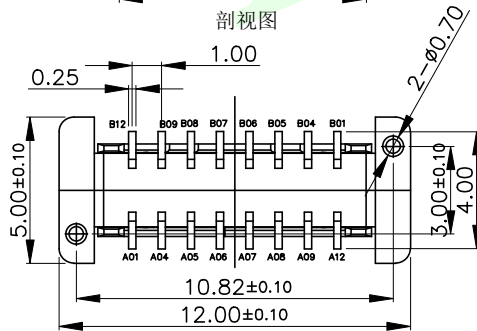
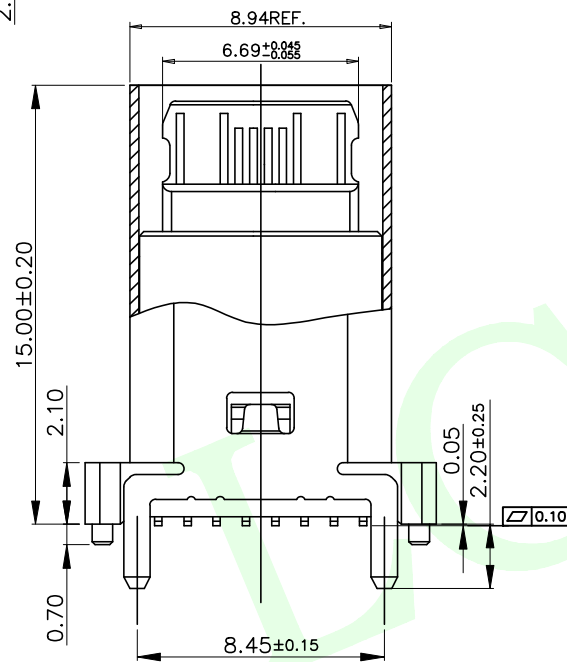
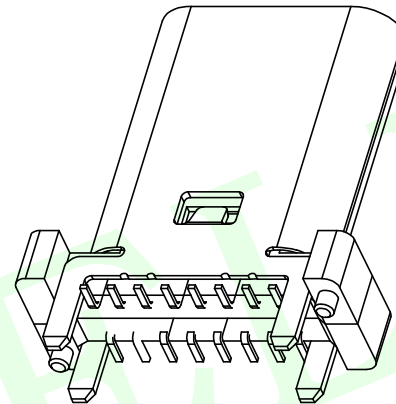
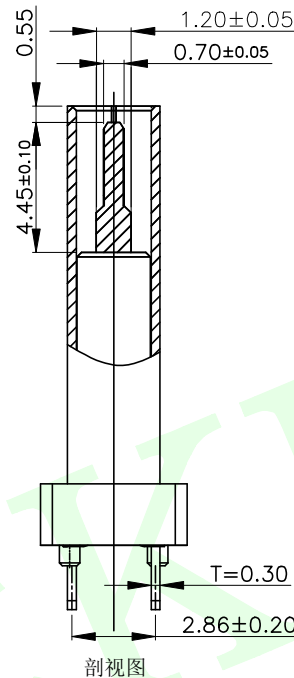
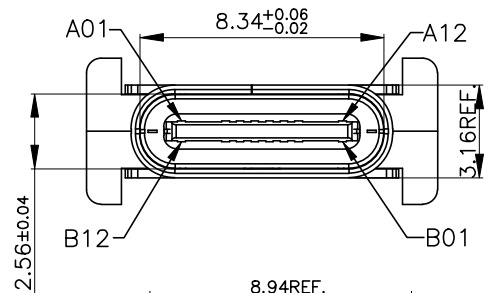
1. 材质:
 - 1.1 胶芯: LCP+30%G.F UL94V-0
 - 1.2 端子: C7025 : 镍底50U" MIN
接触区域镀金 (AU 1u") 焊接区域镀金G/F
 - 1.3 外壳: SUS304, T=0.30mm: 表面镀镍30U" MIN
 - 1.4 中夹片: SUS301:
2. 主要特性:
 - 2.1 额定电流: 5A
 - 2.2 接触阻抗: 40mΩ MAX (初始值)
50mΩ MAX (测试后)
 - 2.3 绝缘阻抗: 100MΩ MIN
 - 2.4 耐压测试: 100V AC R M S
 - 2.5 整体插入力: 5-20N 整体插入力: 5-20N (耐久后)
整体拔出: 8-20N 整体拔出: 6-20N (耐久后)
 - 2.6 耐久: 10000次
 - 2.7 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。
 - 2.8 产品须做焊锡测试, 粘锡面积达到95%以上:
 - 2.9 盐雾测试: 24H MIN
 - 3.0 工作温度: -25℃~+80℃

1. 材质:
- 1.1 胶芯: LCP+30%G.F UL94V-0
- 1.2 端子: C7025 : 镍底50U" MIN
接触区域镀金 (AU 1u") 焊接区域镀金G/F
- 1.3 外壳: SUS304, T=0.30mm: 表面镀镍30U" MIN
- 1.4 中夹片: SUS301:
2. 主要特性:
- 2.1 额定电流: 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
- 2.5 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)
- 2.6 耐久: 10000次
- 2.7 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。
- 2.8 产品须做焊锡测试, 粘锡面积达到95%以上:
- 2.9 盐雾测试: 24H MIN
3. 0 工作温度: -25℃~+80℃

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

DESIGN	Andy	DATE	2014.12.24	TITLE:		
CHECKED		DATE		TYPE C 16PIN 母座立贴13.7mm		
APPROVED		DATE				
PART NO: LCK-TCF829-L137YL-G1				REV: 04	SCALE: 1:1	UNIT: mm
DRAWING NO:				SIZE: A4	SHEET: 1/1	 

RoHS Compliant



备注:

1. 材质:

1.1 胶芯: LCP+30%G.F UL94V-0

1.2 端子: C7025 : 镍底50U" MIN

接触区域镀金 (AU 1u") 焊接区域镀金G/F

1.3 外壳: SUS304, T=0.30mm: 表面镀镍30U" MIN

1.4 中夹片: SUS301:

2. 主要特性:

2.1 额定电流: 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

2.5 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)

2.6 耐久: 10000次

2.7 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。

2.8 产品须做焊锡测试, 粘锡面积达到95%以上:

2.9 盐雾测试: 24H MIN

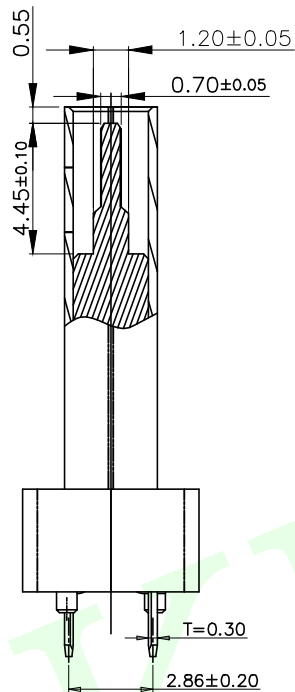
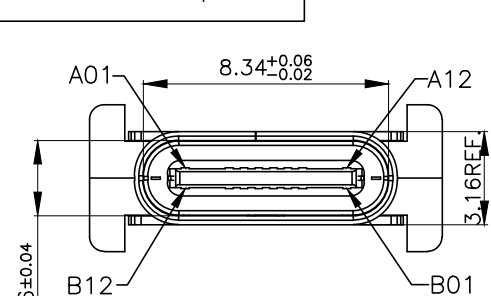
3.0 工作温度: -25℃ ~ +80℃

USB TYPE-C PIN ASSIGNMENTS

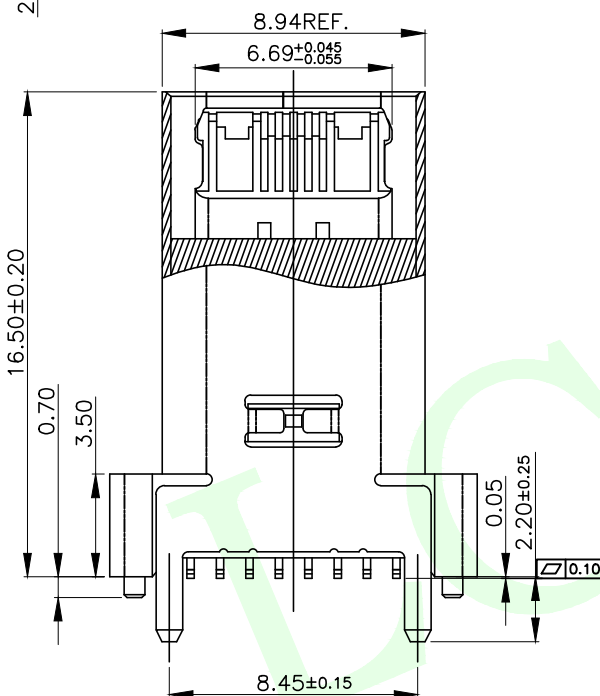
PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND

QUADRANT POINT TANGENCY POINT INTERSECTION POINT UNLESS OTHERWISE SPECIFIED, TOLERANCE: X. ±0.25 X.x ±0.20 X.xx ±0.15 ANGULAR ±3°	QP	 联晟欣连接器 (深圳) 有限公司 Lianshengxin Connector (Shenzhen) Co., Ltd			
	TP				
	IP	DESIGN	Andy	DATE	2014.12.24
		CHECKED		DATE	
		APPROVED		DATE	
		PART NO:	LCK-TCF829-L150YL-G1	REV:	04
		DRAWING NO:		SCALE:	1:1
				UNIT:	mm
				SHEET:	1/1

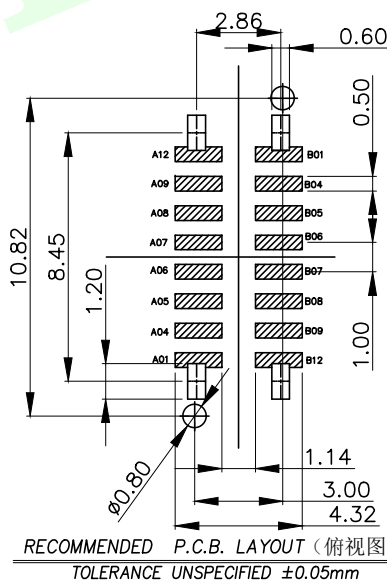
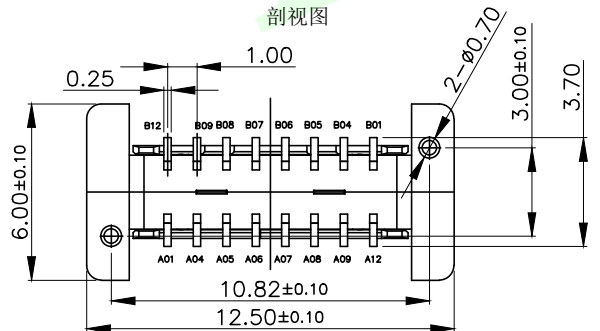
RoHS Compliant



剖视图



剖视图



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: C7025 : 镍底50U" MIN

接触区域镀金 (AU 1u") 焊接区域镀金G/F

1.3 外壳: SUS304, T=0.30mm: 表面镀镍30U" MIN

1.4 中夹片: SUS301:

2. 主要特性:

2.1 额定电流: 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

2.5 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)

2.6 耐久: 10000次

2.7 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。

2.8 产品须做焊锡测试, 粘锡面积达到95%以上:

2.9 盐雾测试: 24H MIN

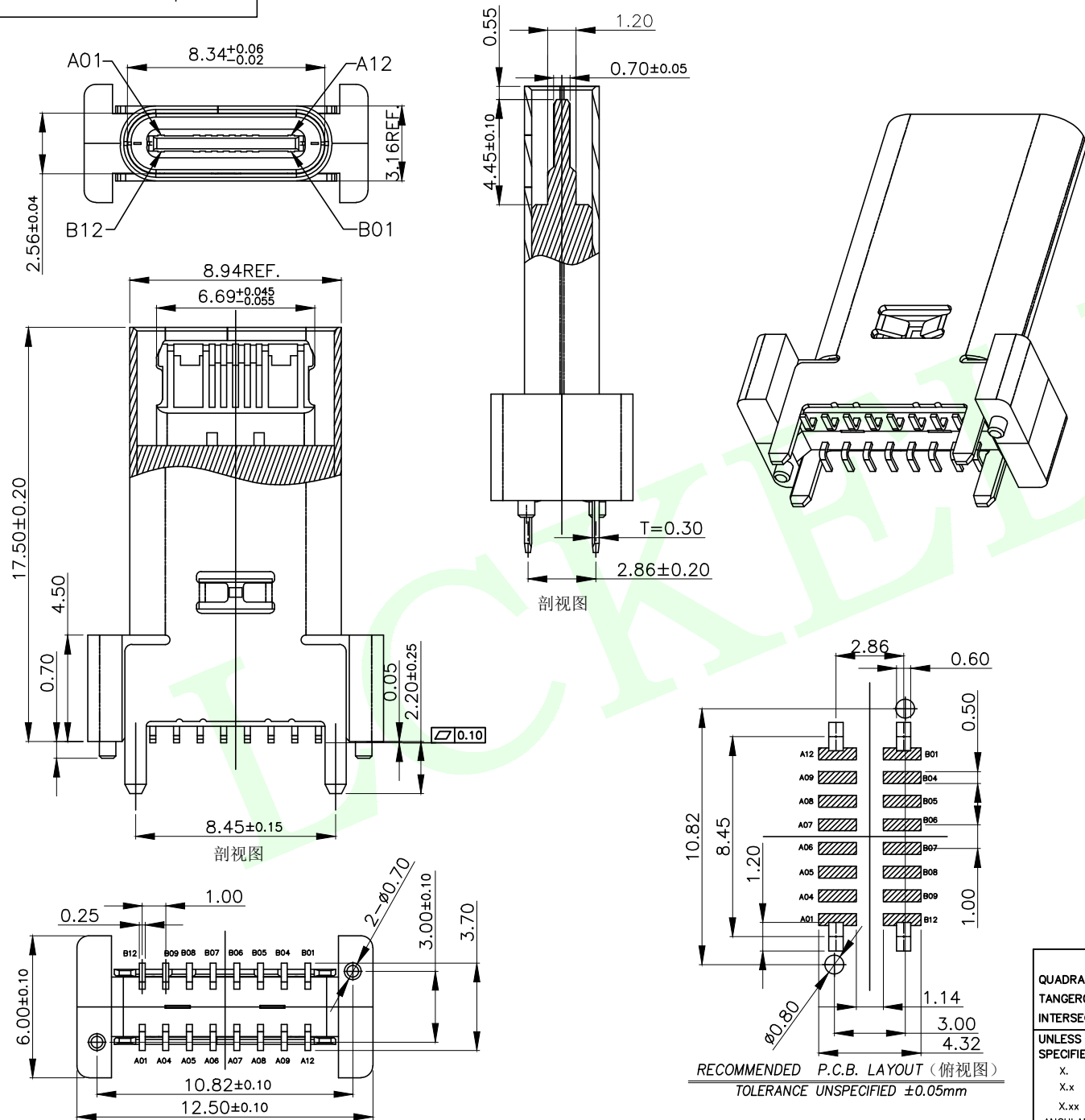
3.0 工作温度: -25℃~+80℃

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

QUADRANT POINT				联晟欣连接器（深圳）有限公司				
TANGENCY POINT				Lianshengxin Connector (Shenzhen) Co., Ltd				
INTERSECTION POINT								
UNLESS OTHERWISE SPECIFIED, TOLERANCE:			DESIGN	Andy	DATE	2014.12.24	TITLE:	
X. ±0.25			CHECKED		DATE		TYPE C 16PIN 母座立贴16.5mm	
X.x ±0.20			APPROVED		DATE			
X.xx ±0.15			PART NO: LCK-TCF829-L165YL-G1				REV: 04	SCALE: 1:1
ANGULAR ±3°			DRAWING NO:				SIZE: A4	SHEET: 1/1
								

RoHS Compliant



备注:

1. 材质:

1.1胶芯: LCP+30%G.F UL94V-0

1.2端子: C7025 : 镍底50U" MIN

接触区域镀金 (AU 1u") 焊接区域镀金G/F

1.3外壳: SUS304, T=0.30mm: 表面镀镍30U" MIN

1.4中夹片: SUS301:

2. 主要特性:

2.1额定电流: 5A

2.2接触阻抗: $40\text{m}\Omega$ 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

2.5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)

2.6耐久：10000次

2.7耐高温：SMT回流焊（峰值 $260^{\circ} \pm 5^{\circ}$ ），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。

2.8产品须做焊锡测试，粘锡面积达到95%以上:

2.9盐雾测试: 24H MIN

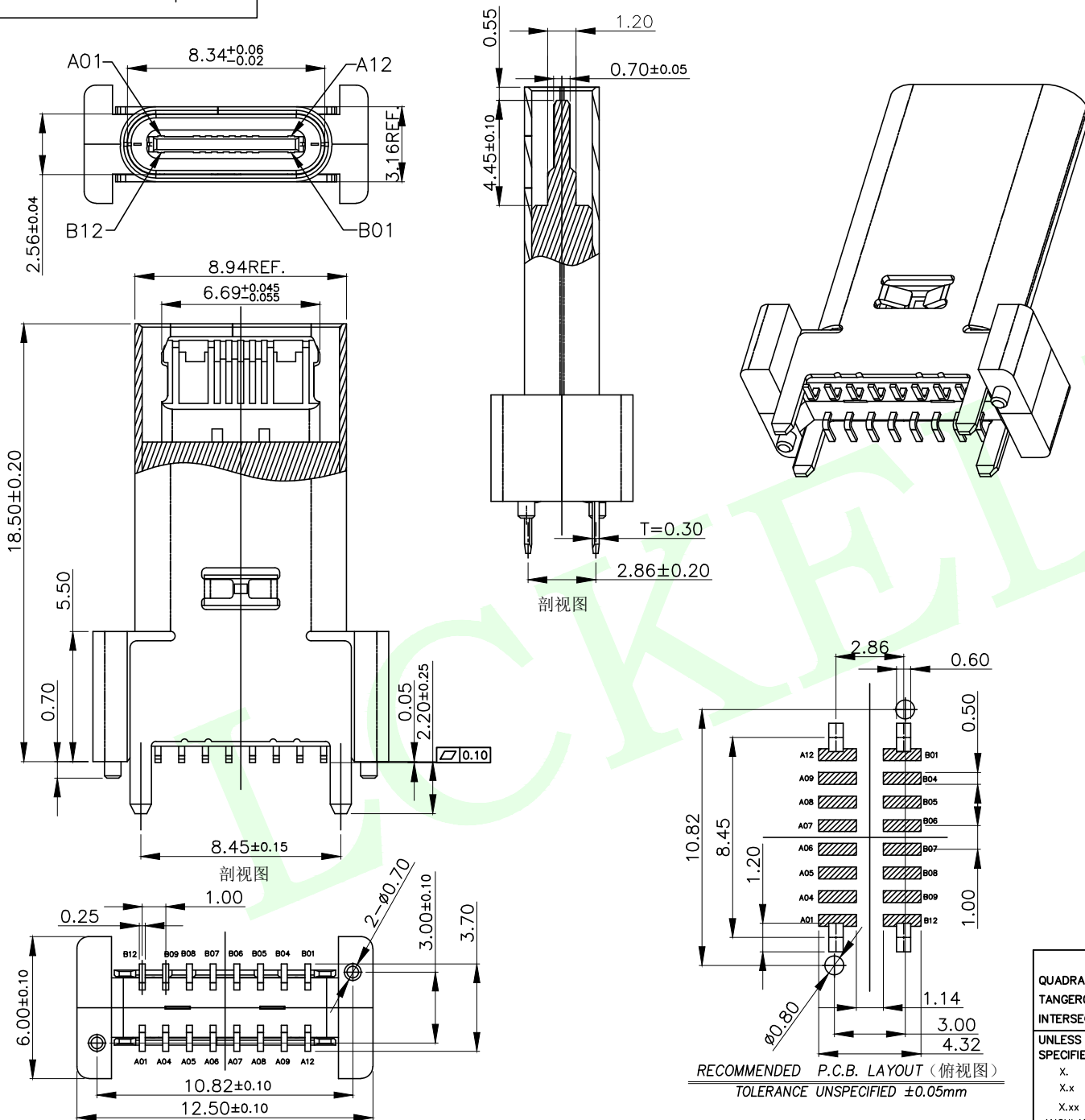
3.0工作温度: $-25^{\circ}\text{C} \sim +80^{\circ}\text{C}$

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

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:							
X. ±0.25	DESIGN		Andy	DATE	2014.12.24	TITLE: TYPE C 16PIN 母座立贴17.5mm	
X.x ±0.20	CHECKED			DATE			
X.xx ±0.15	APPROVED			DATE			
ANGULAR ±3°	PART NO: LCK-TCF829-L175YL-G1				REV: 04	SCALE: 1:1	UNIT: mm
	DRAWING NO:				SIZE: A4	SHEET: 1/1	

RoHS Compliant



备注:

1. 材质:

1.1胶芯: LCP+30%G. F UL94V-0

1.2端子: C7025 : 镍底50U" MIN

接触区域镀金 (AU 1u") 焊接区域镀金G/F

1.3外壳: SUS304, T=0.30mm: 表面镀镍30U" MIN

1.4中夹片: SUS301:

2. 主要特性:

2.1额定电流: 5A

2.2接触阻抗: $40\text{m}\Omega$ 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

2.5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)

2.6耐久: 10000次

2.7耐高温：SMT回流焊（峰值 $260^{\circ} \pm 5^{\circ}$ ），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。

2.8产品须做焊锡测试，粘锡面积达到95%以上；

2.9盐雾测试: 24H MIN

3.0 工作温度: $-25^{\circ}\text{C} \sim +80^{\circ}\text{C}$

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

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:							
X. ±0.25	DESIGN		Andy	DATE	2014.12.24	TITLE:	
X.x ±0.20	CHECKED			DATE		TYPE C 16PIN 母座立贴18.5mm	
X.xx ±0.15	APPROVED			DATE			
ANGULAR ±3°	PART NO: LCK-TCF829-L185YL-G1				REV: 04	SCALE: 1:1	UNIT: mm
	DRAWING NO:				SIZE: A4	SHEET: 1/1	