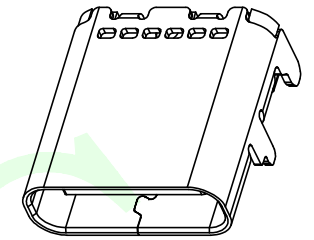
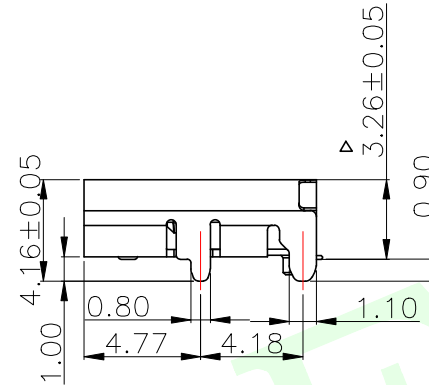
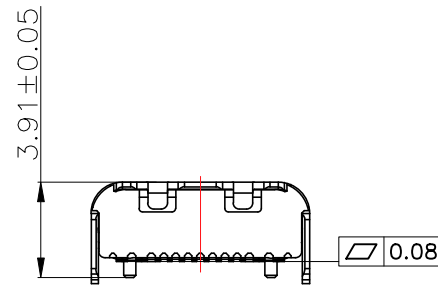
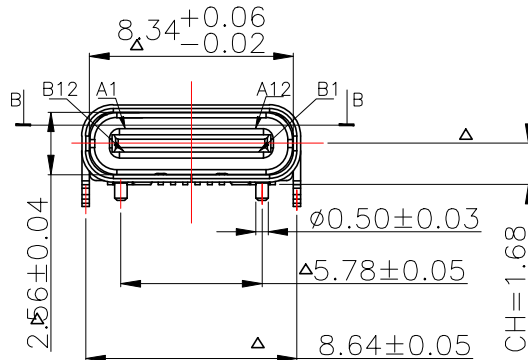


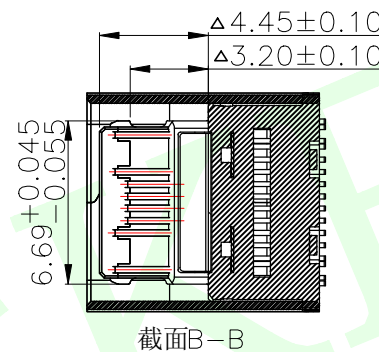
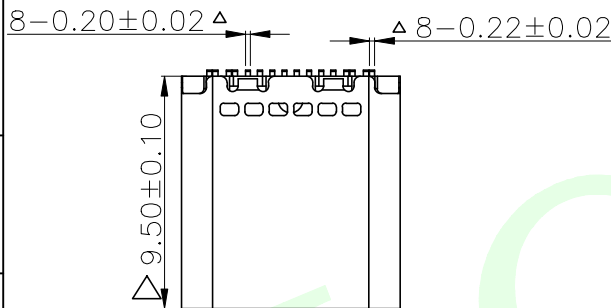
RoHS Compliant



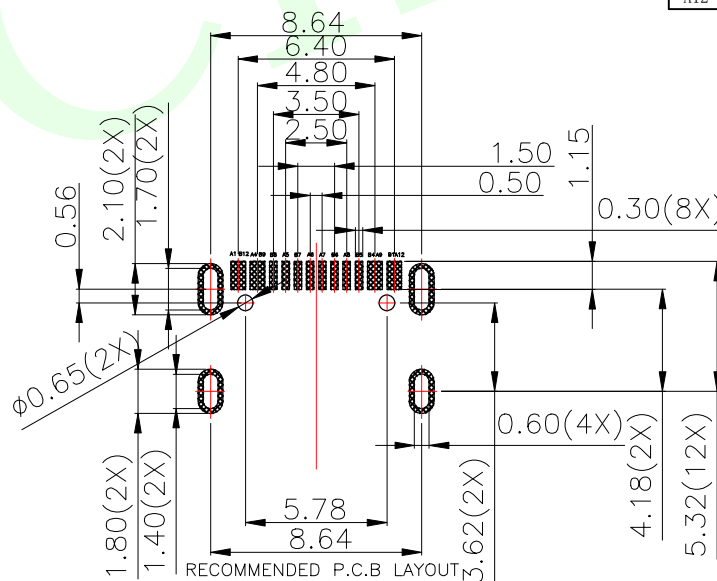
- NOTE:
1. MATERIAL:
 - 1.1 INSULATOR: HIGH TEMPERATURE PLASTIC UL 94V-0;
 - 1.2 CONTACT: COPPER ALLOY
 - 1.3 SHELL: STAINLESS STEEL
 2. ELECTRICAL CHARACTERISTICS:
 - 2.1 CONTACT RESISTANCE: 40mΩ Max FOR INITIAL. 30mΩ CHANGE AFTER TEST. MEASURE AT 20mV, 100mA.
 - 2.2 CONTACT CURRENT RATING: 5A FOR VBUS PIN; 1.25A FOR VCONN PIN.
 - 2.3 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC R.M.S.
 - 2.4 INSULATION RESISTANCE 100MΩ Min
 - 2.5 OPERATING TEMPERATURE: -40°C ~ 85°C
 3. MECHANICAL CHARACTERISTICS:
 - 3.1 MATING FORCE: 5~20 N.
 - 3.2 UNMATED FORCE: 8~20N AFTER TEST
 - 3.3 DURABILITY: 10,000 CYCLES
 4. PLATING
 - 4.1 TERMINAL CONTACT: (SEE TAB) GOLD PLATING ALL OVER 50u" Min NICKEL AND 80u" Min Tin ALL OVER 50u" Min NICKEL ON SOLDER AREA
 - 4.2 SHELL: 50u" Min. NICKEL ALL OVER,
 5. "△" Focus on size control

PIN ASSIGNMENT:

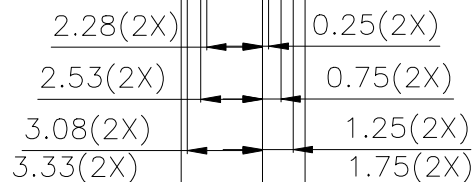
Pin No.	Signal Name	Pin No.	Signal Name
A1	CND	B12	CND
A2		B11	
A3		B10	
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	D+	B7	D-
A7	D-	B6	D+
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10		B3	
A11		B2	
A12	CND	B1	CND



截面B-B



RECOMMENDED P.C.B. LAYOUT



LCK-TCF 809 - LXXX Y L- G1

联晟欣 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

L950: 9.50

L100: 10.0

L117: 11.7

L124: 12.4

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

MEASURE POINT:

QUADRANT POINT

TANGENCY POINT

INTERSECTION POINT

UNLESS OTHERWISE

SPECIFIED, TOLERANCE:

X. ±0.25

X.x ±0.20

X.xx ±0.15

ANGULAR ±3°

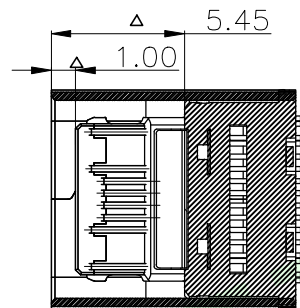
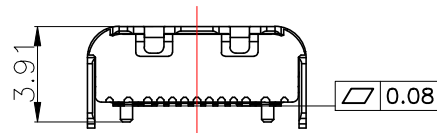
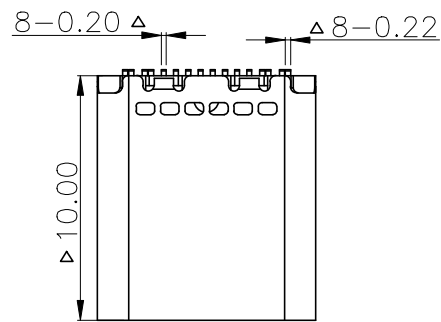


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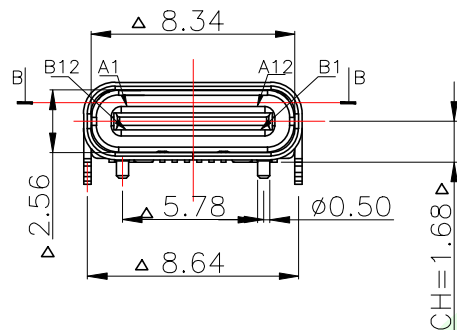
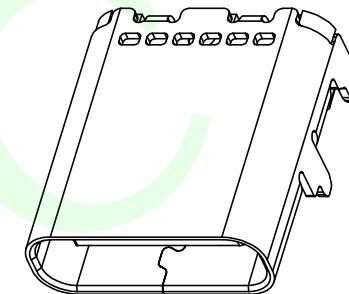
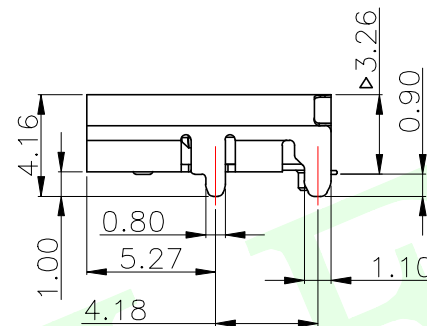
Lianshengxin Connector (Shenzhen) Co., Ltd

DESIGN	Andy	DATE	2014.12.24	TITLE:	
CHECKED		DATE		TYPE	C板上单排16PIN加长款9.5&12.4mm
APPROVED		DATE		无弹片	
PART NO:	LCK-TCF809-LXXXL-G1	REV:	04	SCALE:	1:1
DRAWING NO:	102022121	SIZE:	A4	SHEET:	1/1

RoHS Compliant



截面B-B

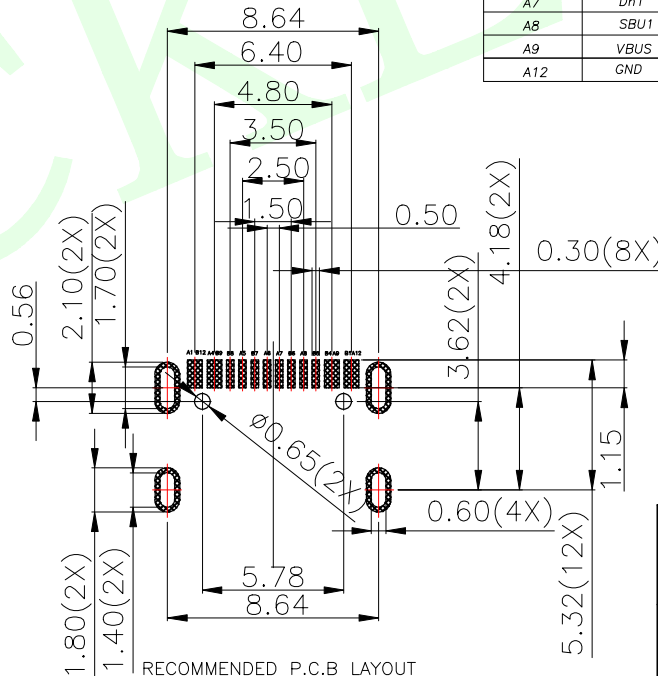
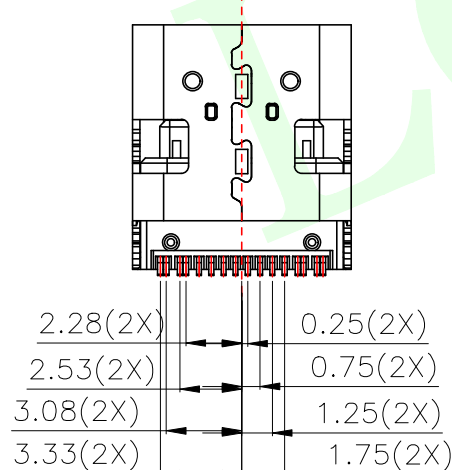


USB TYPE-C PIN ASSIGNMENTS

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

NOTE:

1. MATERIAL:
 - 1.1 INSULATOR: HIGH TEMPERATURE PLASTIC UL 94V-0;
 - 1.2 CONTACT: COPPER ALLOY
 - 1.3 SHELL: STAINLESS STEEL
2. ELECTRICAL CHARACTERISTICS:
 - 2.1 CONTACT RESISTANCE: 40mΩ Max FOR INITIAL. 30mΩ CHANGE AFTER TEST. MEASURE AT 20mV, 100mA.
 - 2.2 CONTACT CURRENT RATING: 5A FOR VBUS PIN; 1.25A FOR VCONN PIN.
 - 2.3 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC R.M.S.
 - 2.4 INSULATION RESISTANCE 100MΩ Min
 - 2.5 OPERATING TEMPERATURE: -40°C ~ 85°C
3. MECHANICAL CHARACTERISTICS:
 - 3.1 MATING FORCE: 5~20 N.
 - 3.2 UNMATED FORCE: 8~20N AFTER TEST
 - 3.3 DURABILITY: 10,000 CYCLES
4. PLATING
 - 4.1 TERMINAL CONTACT: (SEE TAB) GOLD PLATING ALL OVER 50u" Min NICKEL AND 80u" Min Tin ALL OVER 50u" Min NICKEL ON SOLDER AREA
 - 4.2 SHELL: 50u" Min. NICKEL ALL OVER,
5. "△" Focus on size control



RECOMMENDED P.C.B LAYOUT

MEASURE POINT:

QUADRANT POINT

TANGENCY POINT

INTERSECTION POINT

UNLESS OTHERWISE SPECIFIED, TOLERANCE:

X. ±0.25

X.x ±0.20

X.xx ±0.15

ANGULAR ±3°

QP

TP

IP



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板上单排16PIN加长款9.5&12.4mm
CHECKED		DATE		无弹片	
APPROVED		DATE		REV: 04	SCALE: 1:1
PART NO: LCK-TCF809-LXXYL-G1				UNIT: mm	
DRAWING NO: 102022121				SIZE: A4	SHEET: 1/1

RoHS Compliant

A

B

C

D

E

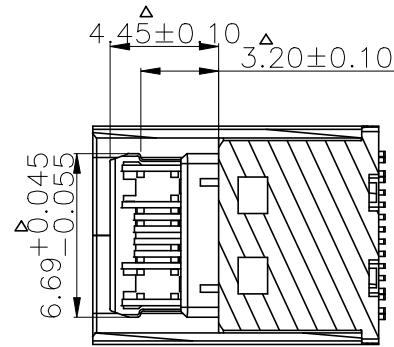
A

B

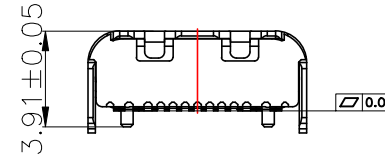
C

D

E



截面A-A



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

NOTE:

1.MATERIAL:

1.1 INSULATOR: HIGH TEMPERATURE PLASTIC UL 94V-0;

1.2 CONTACT: COPPER ALLOY

1.3 SHELL:STAINLESS STEEL

2.ELECTRICAL CHARACTERISTICS;

2.1 CONTACT RESISTANCE: 40mΩ Max FOR INITIAL. 30mΩ CHANGE AFTER TEST. MEASURE AT 20mV, 100mA.

2.2 CONTACT CURRENT RATING: 5A FOR VBUS PIN; 1.25A FOR VCONN PIN.

2.3 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC R.M.S.

2.4 INSULATION RESISTANCE 100MΩ Min

2.5 OPERATING TEMPERATURE: -40°C ~ 85°C

3 MECHANICAL CHARACTERISTICS:

3.1 MATING FORCE: 5~20 N.

3.2 UNMATED FORCE: 8~20N AFTER TEST

3.3 DURABILITY: 10,000 CYCLES

4.PLATING

4.1 TERMINAL CONTACT: (SEE TAB) GOLD PLATING ALL OVER 50u" Min NICKEL AND 80u"Min Tin ALL OVER 50u" Min NICKEL ON SOLDER AREA

4.2 SHELL: 50u" Min. NICKEL ALL OVER,

5. "Δ" Focus on size control

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

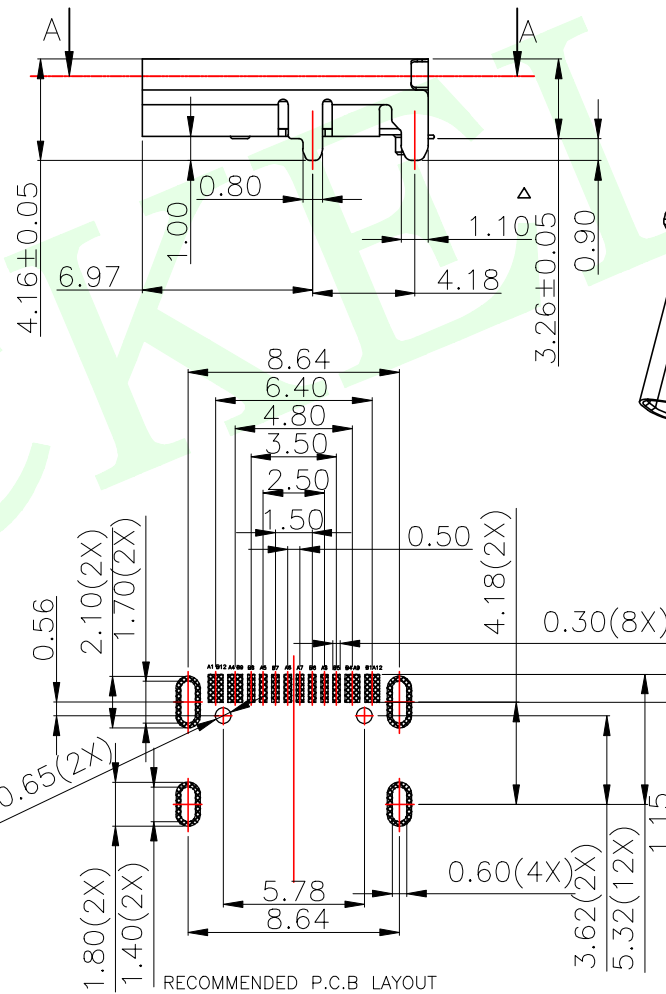
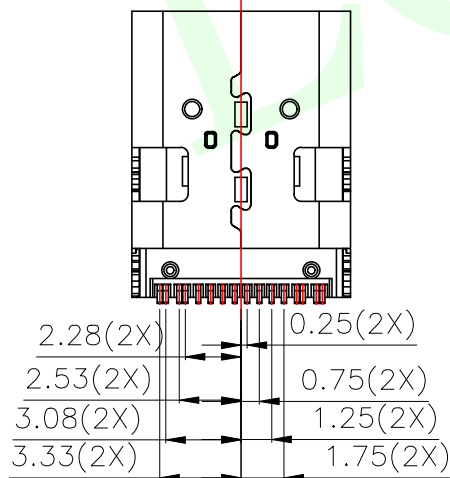
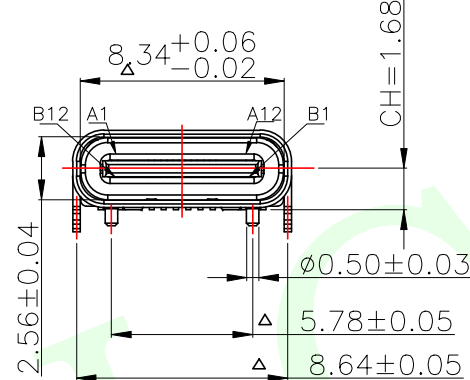
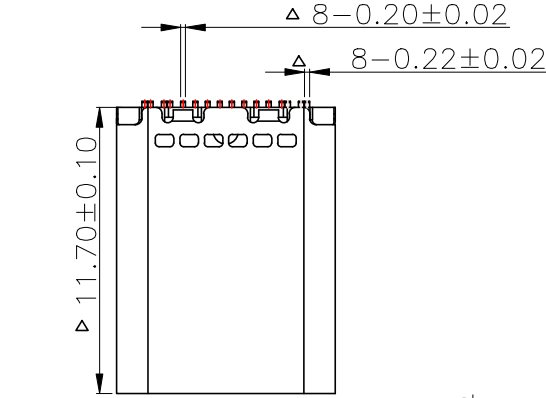
ANGULAR ±3°



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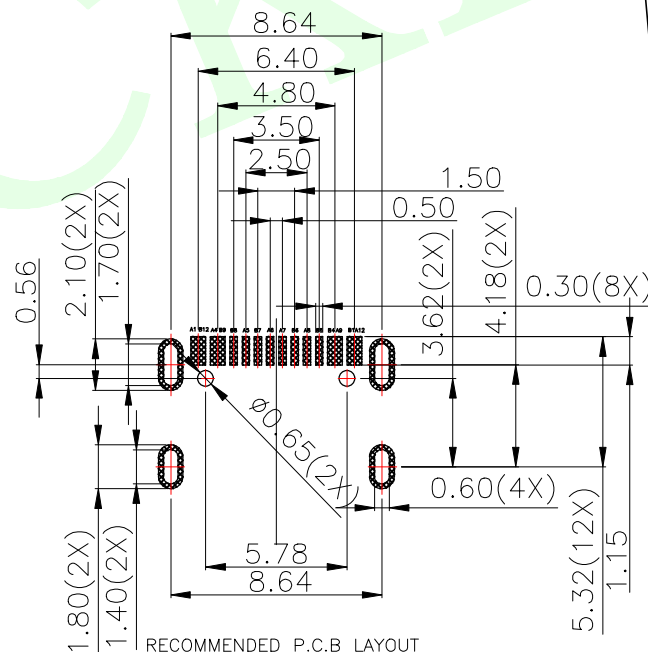
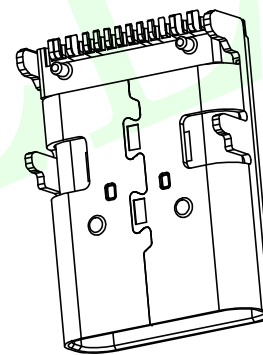
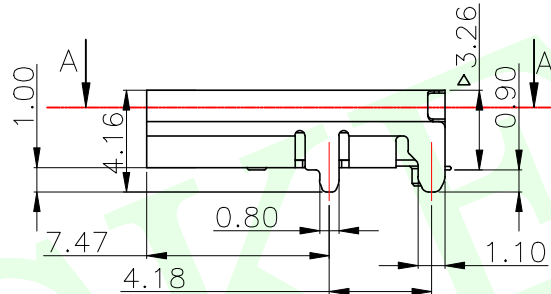
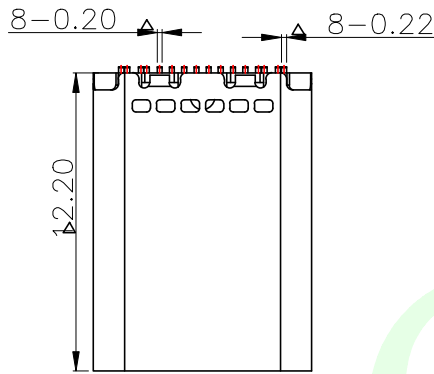
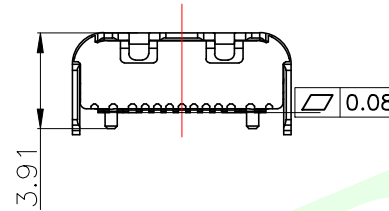
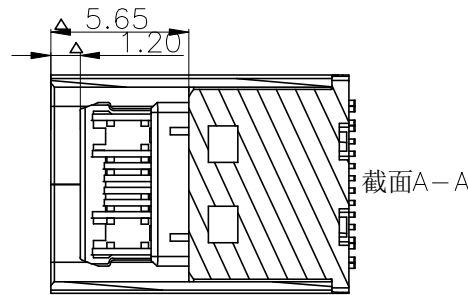
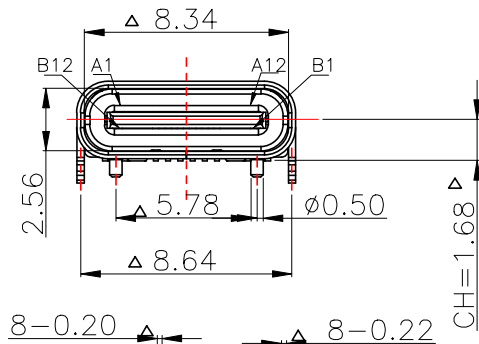
Lianshengxin Connector (Shenzhen) Co., Ltd

DESIGN	Andy	DATE	2014.12.24	TITLE:
CHECKED		DATE		TYPE C板上单排16PIN加长数9.5&12.4mm
APPROVED		DATE		无弹片
PART NO:	LCK-TCF809-LXXYL-G1	REV:	04	SCALE: 1:1
DRAWING NO:	102022121	SIZE:	A4	UNIT: mm
		SHEET:	1/1	



RECOMMENDED P.C.B LAYOUT

RoHS Compliant



RECOMMENDED P.C.B LAYOUT

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

NOTE:

1.MATERIAL:

1.1 INSULATOR: HIGH TEMPERATURE PLASTIC UL 94V-0;

1.2 CONTACT: COPPER ALLOY

1.3 SHELL:STAINLESS STEEL

2.ELECTRICAL CHARACTERISTICS:

2.1 CONTACT RESISTANCE: 40mΩ Max FOR INITIAL. 30mΩ CHANGE AFTER TEST. MEASURE AT 20mV, 100mA.

2.2 CONTACT CURRENT RATING: 5A FOR VBUS PIN; 1.25A FOR VCONN PIN.

2.3 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC R.M.S.

2.4 INSULATION RESISTANCE 100MΩ Min

2.5 OPERATING TEMPERATURE: -40°C ~ 85°C

3 MECHANICAL CHARACTERISTICS:

3.1 MATING FORCE: 5~20 N.

3.2 UNMATED FORCE: 8~20N AFTER TEST

3.3 DURABILITY: 10,000 CYCLES

4.PLATING

4.1 TERMINAL CONTACT: (SEE TAB) GOLD PLATING ALL OVER 50u" Min NICKEL AND 80u"Min Tin ALL OVER 50u" Min NICKEL ON SOLDER AREA

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5. "△" Focus on size control

MEASURE POINT:

QUADRANT POINT

TANGENCY POINT

INTERSECTION POINT

QP

TP

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板上单排16PIN加长款9.5&12.4mm无弹片
CHECKED		DATE			
APPROVED		DATE			
PART NO:	LCK-TCF809-LXXXL-G1	REV:	04	SCALE:	1:1
DRAWING NO:	102022121	SIZE:	A4	SHEET:	1/1