

RoHS Compliant

NOTE:

- 1.Contact Resistance:40mOHM Max.;
- 2.Dielectric Withstanding Voltage:100V AC For 1 Minute;
- 3.Insulation Resistance:100M OHM Min.;
- 4.Mating And Unmating Force:
Mating Force: 5~20N
Unmating Force: 8~20N;
6~20N AFTER TEST;
- 5.Durability:10000 Cycles;

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	SSTXp1	B11	SSRXp1
A3	SSTXn1	B10	SSRXn1
A4	Vbus	B9	Vbus
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	Vbus	B4	Vbus
A10	SSRXn2	B3	SSTXn2
A11	SSRXp2	B2	SSTXp2
A12	GND	B1	GND

WITHOUT COVER

RECOMMEND P.C.B LAYOUT(COMPONENT SIDE)

TOLERANCE FOR PCB LAYOUT IS ± 0.05

KEEP OUT AREA



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

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 $\pm 3^\circ$

DESIGN Andy DATE 2014.12.24 TITLE:
CHECKED DATE
APPROVED DATE
PART NO: LCK-TCF916-L120YL-G1 REV: 04 SCALE: 1:1 UNIT: mm
DRAWING NO: 102022235 SIZE: A4 SHEET: 1/1



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A10	SSRXn2	B3	SSTXn2
A11	SSRXp2	B2	SSTXp2
A12	GND	B1	GND

CAP 示意图

Item	Title	Material	Dispose	Q'TY
1	Shell	SUS304	Ni:30u" Min.	1PCS
2	GND Plate	SUS301		2PCS
3	Mid Plate	SUS301		1PCS
4	Contact	C7025	Mating Area: See P/N Solder Tails: Matt Tin	2PCS
5	InsertMolding	LCP E6808	UL 94V-0 Black	1PCS
6	COVER	LCP E6808	UL 94V-0 Black	1PCS

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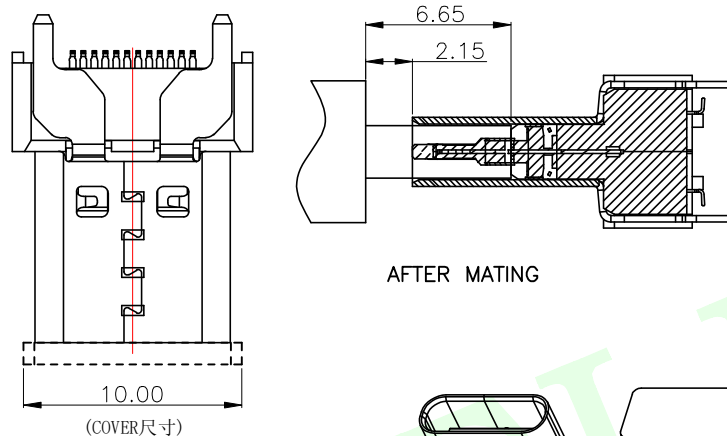
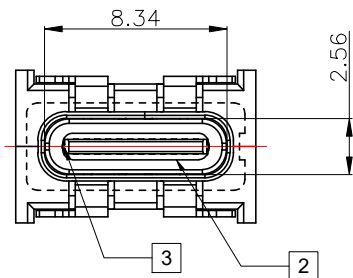
联晟欣连接器(深圳)有限公司
Lianshengxin Connector (Shenzhen) Co., Ltd

DESIGN: Andy DATE: 2014.12.24 TITLE: USB 3.1 TYPE C FEMALE VERTICAL
CHECKED: DATE: H=13.0mm SMT TYPE
APPROVED: DATE:
PART NO: LCK-TCF916-L130YL-G1 REV: 04 SCALE: 1:1 UNIT: mm
DRAWING NO: 102022235 SIZE: A4 SHEET: 1/1

RECOMMEND P.C.B LAYOUT (COMPONENT SIDE)

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KEEP OUT AREA

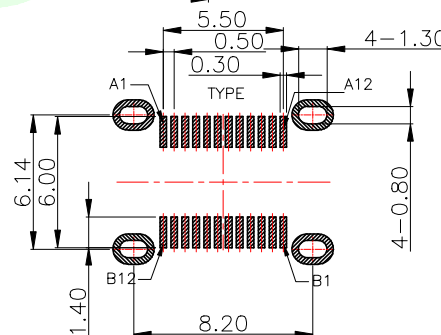
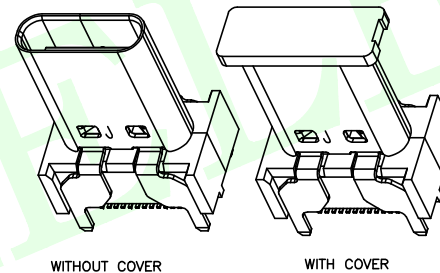
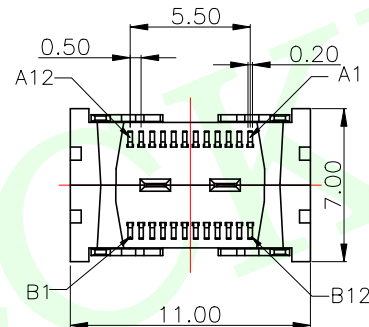
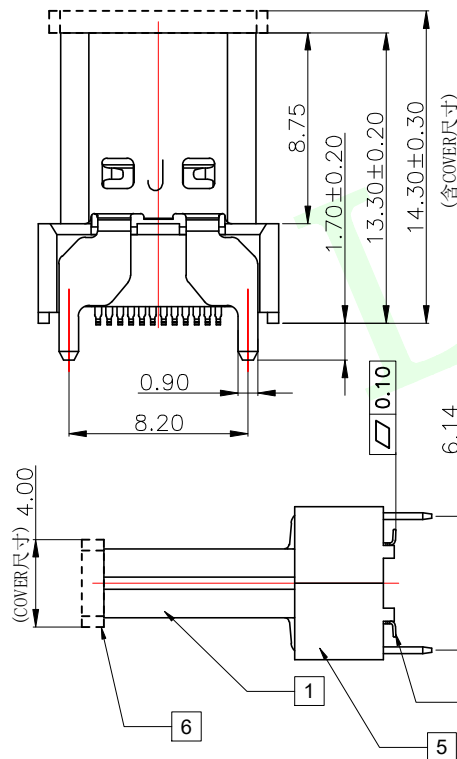
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A5	CC1	B8	SBU2
A6	D+	B7	D-
A7	D-	B6	D+
A8	SBU1	B5	CC2
A9	Vbus	B4	Vbus
A10	RX2-	B3	TX2-
A11	RX2+	B2	TX2+
A12	GND	B1	GND



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Item	Title	Material	Dispose	Q'TY
1	Shell	SUS304	Ni:30u" Min.	1PCS
2	GND Plate	SUS301		2PCS
3	Mid Plate	SUS301		1PCS
4	Contact	C7025	Mating Area: See P/N Solder Tails: Matt Tin	2PCS
5	InsertMolding	LCP E6808	UL 94V-0 Black	1PCS
6	COVER	LCP E6808	UL 94V-0 Black	1PCS

QUADRANT POINT
TANGENCY POINT
INTERSECTION POINT

UNLESS OTHERWISE
SPECIFIED,TOLERANCE:

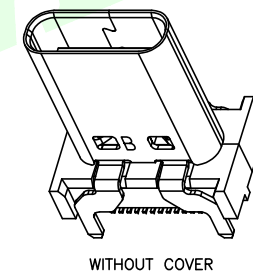
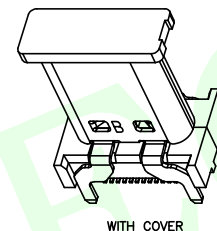
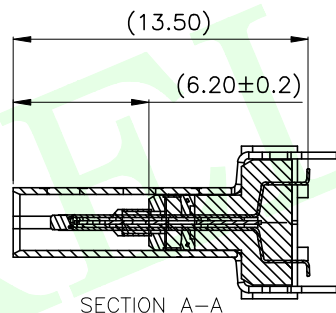
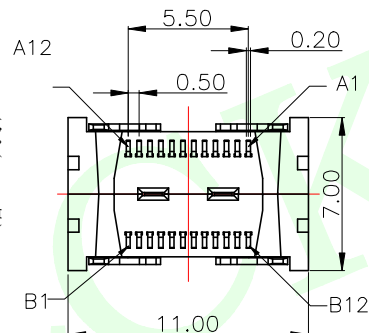
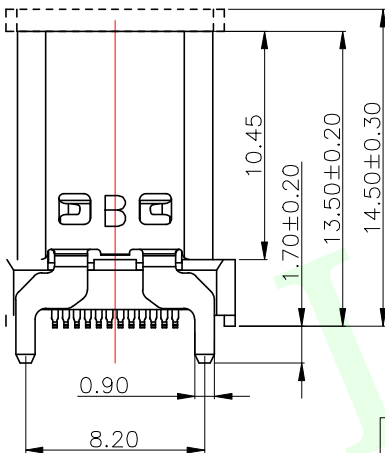
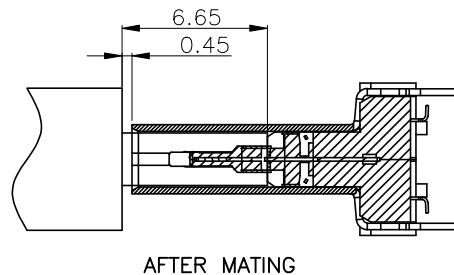
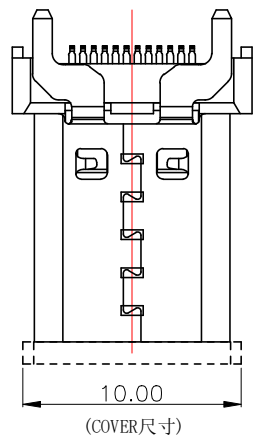
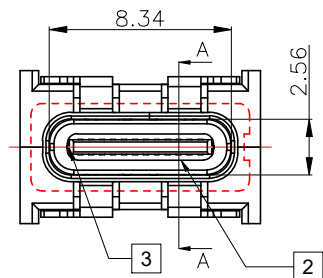
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ANGULAR	$\pm 3^\circ$



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Lianshengxin Connector (Shenzhen) Co., Ltd

DESIGN	Andy	DATE	2014.12.24	TITLE:	USB 3.1 TYPE C FEMALE VERTICAL
CHECKED		DATE			H=13.3mm SMT TYPE
APPROVED		DATE			
PART NO:	LCK-TCF916-L133YL-G1	REV:	04	SCALE:	1:1
DRAWING NO:	102022235	SIZE:	A4	SHEET:	1/1
		UNIT:	mm		

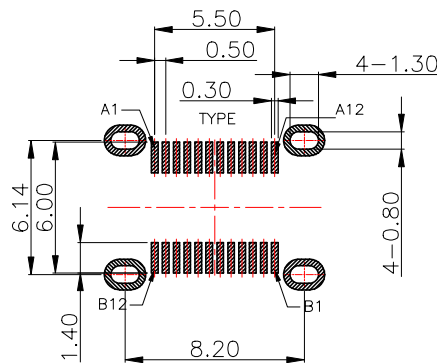
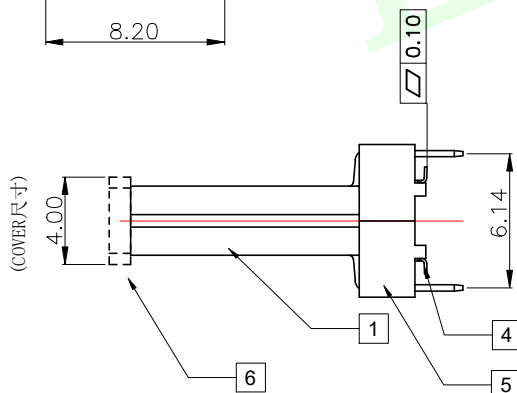
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A10	RX2-	B3	TX2-
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RECOMMEND P.C.B LAYOUT (COMPONENT SIDE)

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Item	Title	Material	Dispose	Q'TY
1	Shell	SUS304	Ni:30u" Min.	1PCS
2	GND Plate	SUS301		2PCS
3	Mid Plate	SUS301		1PCS
4	Contact	C7025	Mating Area: See P/N Solder Tails: Matt Tin	2PCS
5	InsertMolding	LCP E6808	UL 94V-0 Black	1PCS
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QUADRANT POINT (QP)
TANGENCY POINT (TP)
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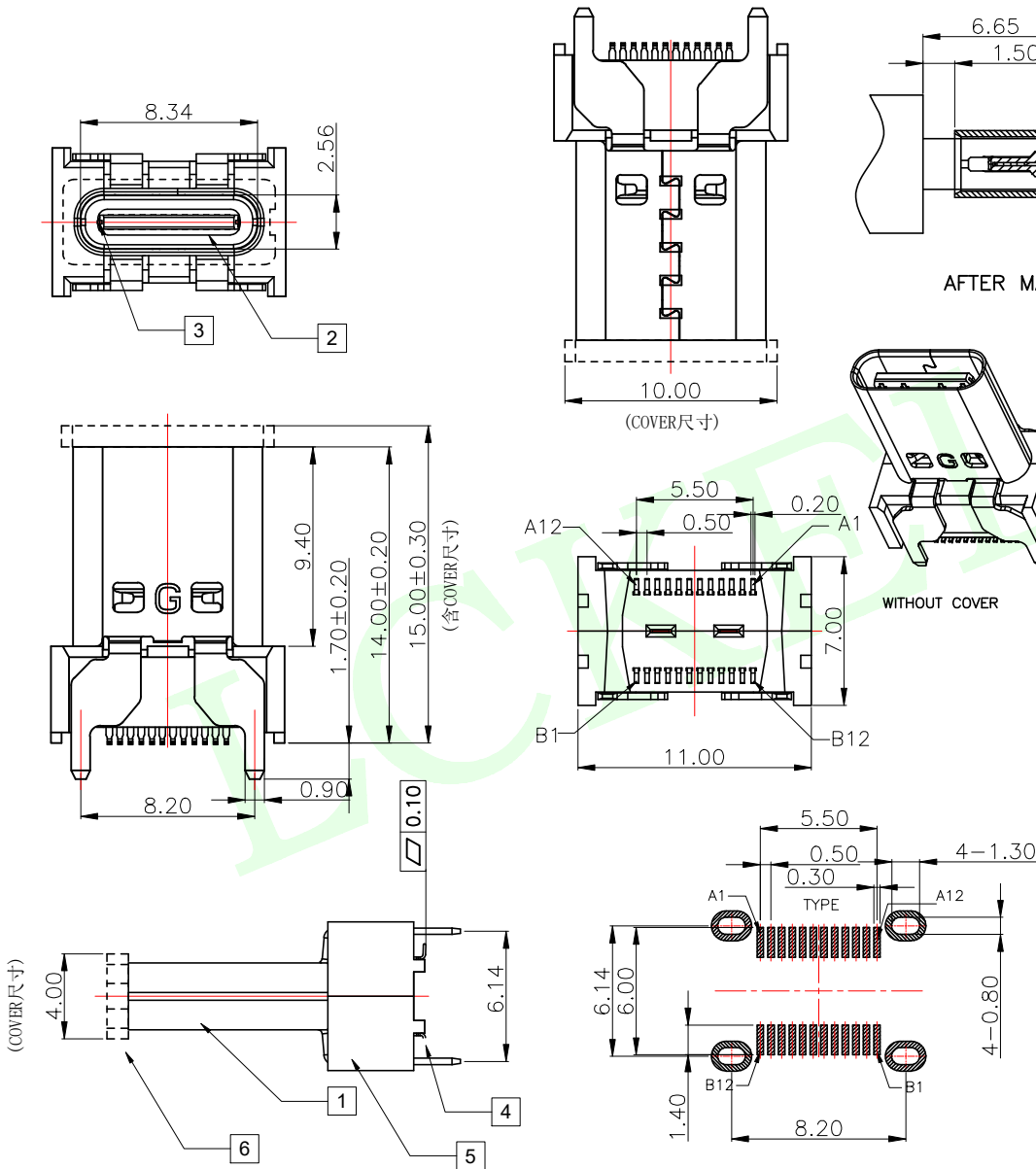
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DESIGN	Andy	DATE	2014.12.24	TITLE:	USB 3.1 TYPE C FEMALE VERTICAL
CHECKED		DATE			H=13.5mm SMT TYPE
APPROVED		DATE			
PART NO:	LCK-TCF916-L135YL-G1	REV:	04	SCALE:	1:1
DRAWING NO:	102022235	SIZE:	A4	SHEET:	1/1

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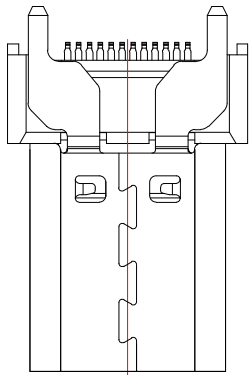
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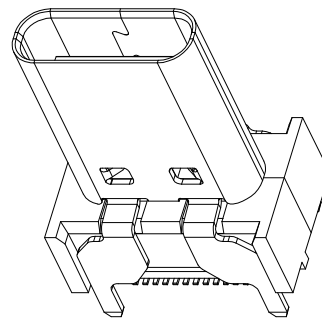
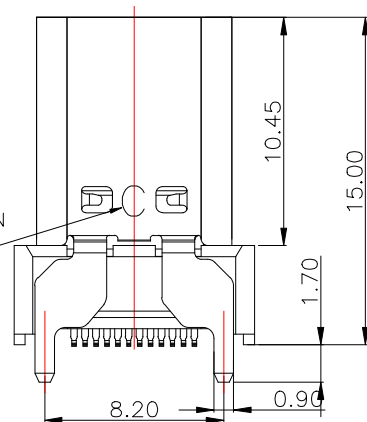
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DESIGN	Andy	DATE	2014.12.24	TITLE:	USB 3.1 TYPE C FEMALE VERTICAL
CHECKED		DATE			H=14.0mm SMT TYPE
APPROVED		DATE			
PART NO:	LCK-TCF916-L140YL-G1	REV:	04	SCALE:	1:1
DRAWING NO:	102022235	SIZE:	A4	SHEET:	1/1

RoHS Compliant



IDENTIFICATION
MARK

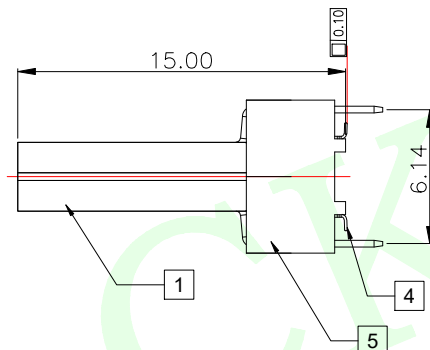
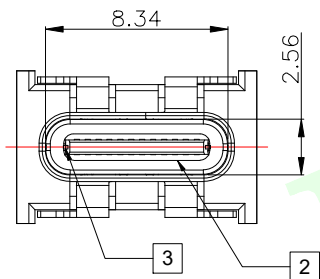


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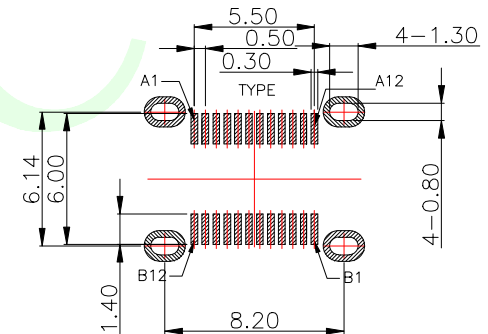
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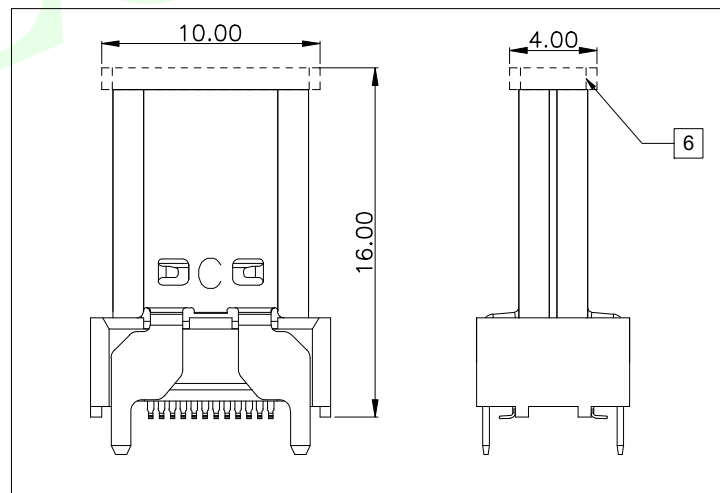
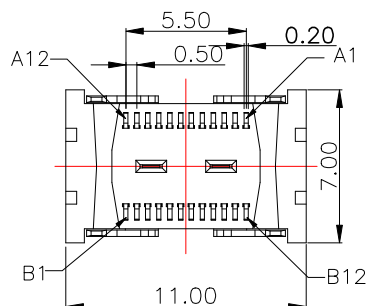
CAP VIEW



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