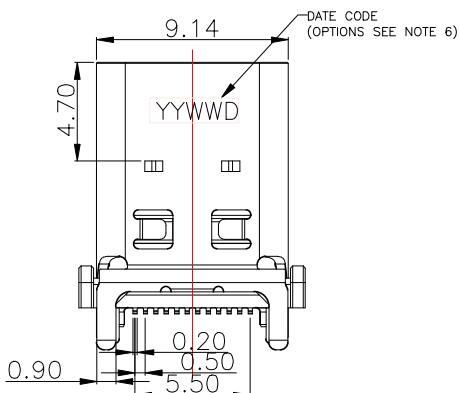
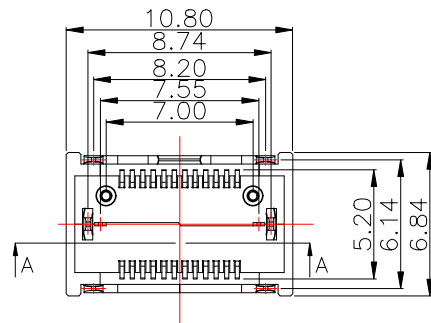
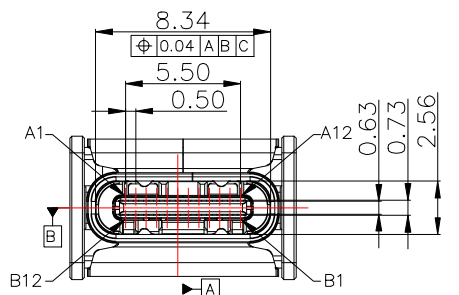


RoHS Compliant



NOTE:

1.PLATING SPECIFICATION:

1-1.CONTACTS:
Ni 50u" MIN. UNDER PLATED OVER ALL.
Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
(GOLD PLATING THICKNESS FOLLOW THE P/N)
80u" MIN TIN PLATED ON SOLDER AREA.

1-2.FRONT SHELL:
Ni 50u" MIN. UNDER PLATED OVER ALL.

1-3.MID PLATE:
Ni 50u" MIN. UNDER PLATED OVER ALL.

1-4.EMI PLATE:
CLEAR ONLY

2. MECHANICAL PERFORMANCE,
2-1. INSERTION FORCE: 0.5~2.0kgf.
2-2. REMOVAL FORCE: Initial 0.8~2.0kgf; After durability 0.6~2.0kgf.
2-3. DURABILITY: 10000 CYCLES.

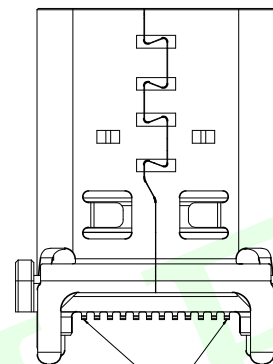
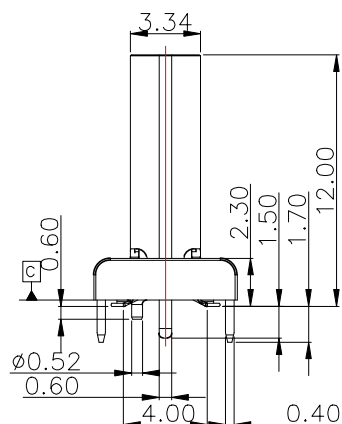
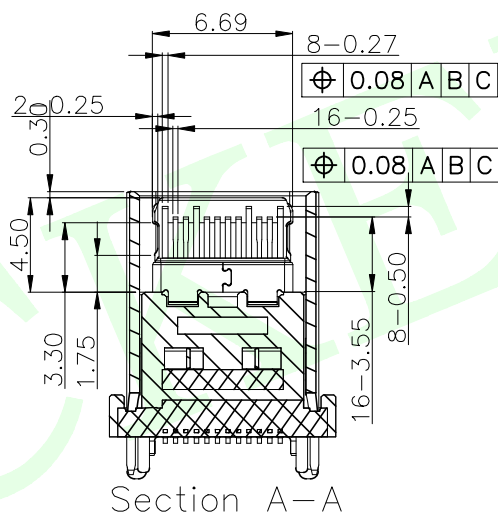
3.ELECTRICAL PERFORMANCE,
3-1. CURRENT RATING:1.25A for A4/A9/B4/B9 PIN,5.0A for Other PINS
VOLTAGE RATING:5.0V

3-2. LLCR:
VBUS & GND PINS AND OTHER PINS: 40mA/PIN MAX.
SHIELD: 50mA/MAX.
LLCR MAX. CHANGE OF ALL PINS: 10mA.

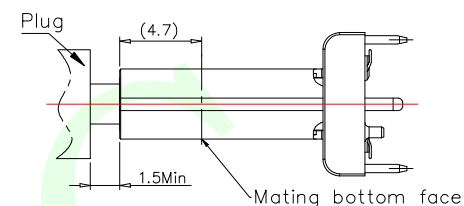
3-3.INSULATION RESISTANCE: 100MΩ MIN
3-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100VAC FOR 1 MINUTE.

4. ENVIRONMENTAL PERFORMANCE:
OPERATING TEMPERATURE: $-55^{\circ}\text{C}\sim+85^{\circ}\text{C}$.

5. IR REFLOW:
THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260°C.



Solder tail (A11)



LCK-TCF 901-LXX W L- G5

- LCK**: 连晟欣 LCK
- TCF**: 产品类别
TCF: TYPE C母头
TCM: TYPE C公头
- 901**: 产品流水料号识别码
- LXX**: 高度
L120: 12.0
- W**: 有柱
Y: 有柱
W: 无柱
- L-**: 无柱
T: 管装
- G5**: 电镀规格
G1: 1U
G3: 3U
(以此类推)
- 包装方式**: L: 圆盘
B: 吸塑盒

NO.	PART NAME	MATERIAL	FINISH	QTY
6	EMI-SHELL	STAINLESS STEEL	NO PLATING	1
5	MID-PLATE	STAINLESS STEEL	50u" Ni Min PLATING	1
4	SHELL	STAINLESS STEEL	50u" Ni Min PLATING	1
3	CONTACT	COPPER ALLOY	Au plating overall	24
2	1/Molding	THERMOPLASTIC PLASTIC	BLACK,UL 94V-0	2
1	3/Molding	THERMOPLASTIC PLASTIC	BLACK,UL 94V-0	1

MEASURE POINT:

QUADRANT POINT

TANGERCY POINT

INTERSECTION PC

UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED TOLERANCES

Y

$$X, X$$
$$X_{\cdot} \cdot Y$$

ANGULAR

--	--

QP

TP

IP

IP

5.

0.25

0.25
0.30

0.20
0.15

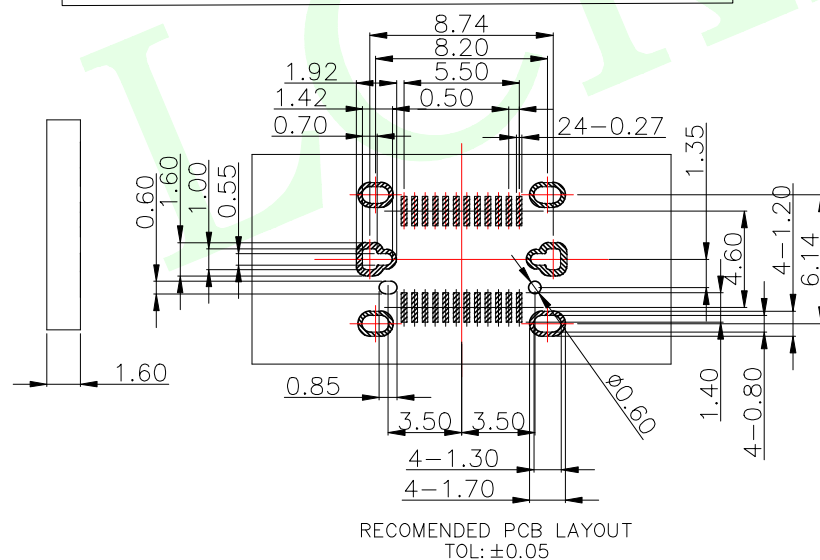
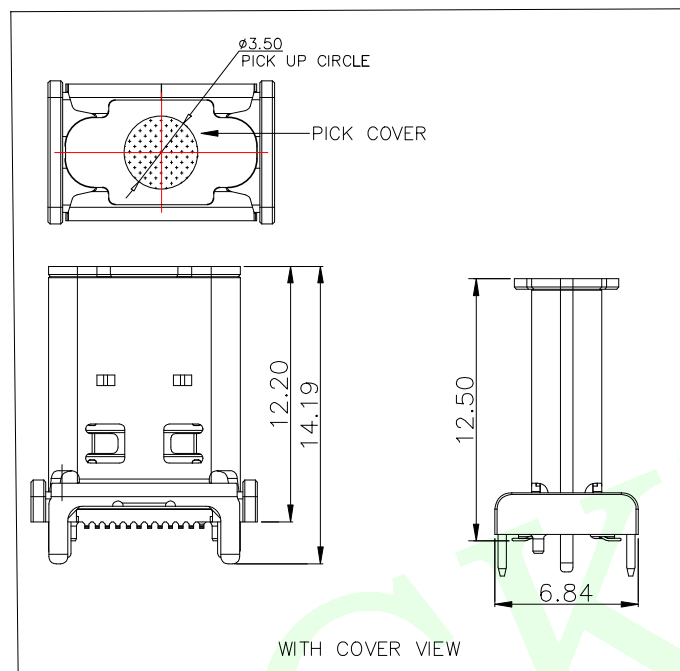
0.15
3°

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

DESIGN	Andy	DATE	2014.12.24	TITLE: USB TYPE C 24PIN REC H=12.0mm Vertical TYPE
CHECKED		DATE		
APPROVED		DATE		

PART NO: LCK-TCF901-L120YL-G5	REV: 04	SCALE: 1:1	UNIT: mm
DRAWING NO: 102022234	SIZE: A4	SHEET: 1/1	

RoHS Compliant



PIN DEFINE:

Pin	Signal Name	Description	Mating Sequence	Pin	Signal Name	Description	Mating Sequence
A1	GND	Ground return	First	B12	GND	Ground return	First
A2	SSTXp1	Positive half of first SuperSpeed TX differential pair	Second	B11	SSRXp1	Positive half of first SuperSpeed RX differential pair	Second
A3	SSTXn1	Negative half of first SuperSpeed TX differential pair	Second	B10	SSRXn1	Negative half of first SuperSpeed RX differential pair	Second
A4	Vbus	Bus Power	First	B9	Vbus	Bus Power	First
A5	CC1	Configuration Channel	Second	B8	SBU2	Sideband Use(SBU)	Second
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	Second	B7	Dn2	Negative half of the USB 2.0 differential pair-Position 2	Second
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	Second	B6	Dp2	Positive half of the USB 2.0 differential pair-Position 2	Second
A8	SBU1	Sideband Use(SBU)	Second	B5	CC2	Configuration Channel	Second
A9	Vbus	Bus Power	First	B4	Vbus	Bus Power	First
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair	Second	B3	SSTXn2	Negative half of second SuperSpeed TX differential pair	Second
A11	SSRXp2	Positive half of second SuperSpeed RX differential pair	Second	B2	SSTXp2	Positive half of second SuperSpeed TX differential pair	Second
A12	GND	Ground return	First	B1	GND	Ground return	First

MEASURE POINT: 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: X. ±0.25 X.x ±0.20 X.xx ±0.15 ANGULAR ±3°		DESIGN Andy DATE 2014.12.24	TITLE: USB TYPE C 24PIN REC H=12.0mm Vertical TYPE
PART NO: LCK-TCF901-L120YL-G5		REV: 04	SCALE: 1:1
DRAWING NO: 102022234		SIZE: A4	SHEET: 1/1