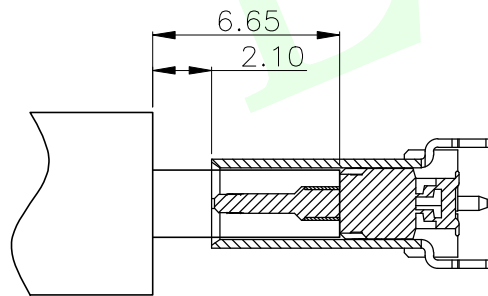
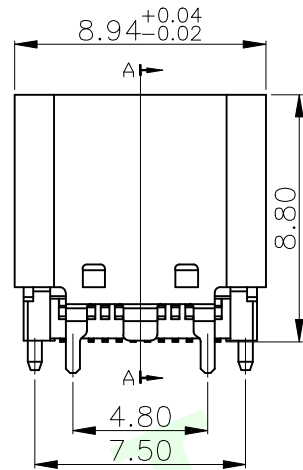
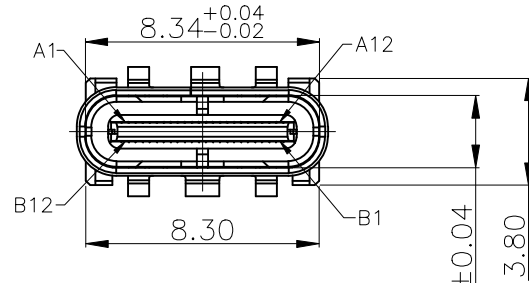
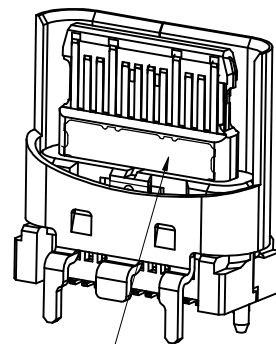
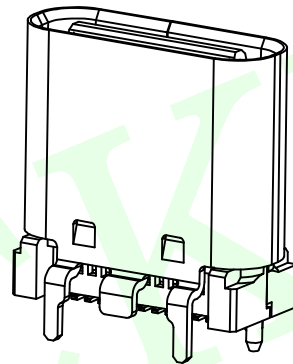
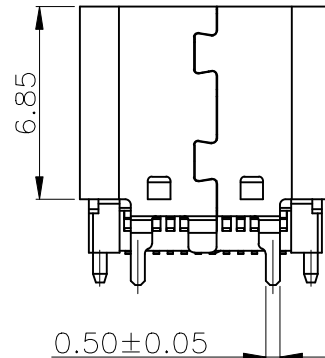


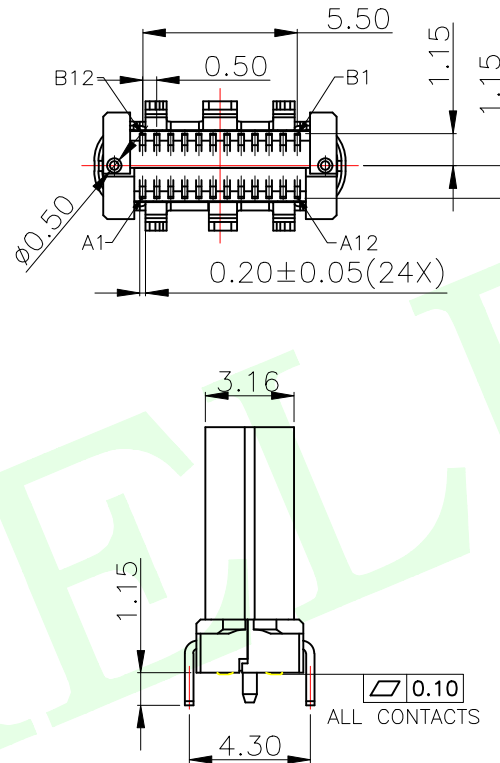
RoHS Compliant



AFTER MATING



EMI PLATE
SEE P/N



- NOTE:
1. MATERIAL SPECIFICATION:
 1. HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC, UL94 V-0
 2. TERMINAL: COPPER ALLOY
 3. MID PLATE: STAINLESS STEEL
 4. FRONT SHELL: STAINLESS STEEL
 5. EMI PLATE: STAINLESS STEEL THE P/N
 2. PLATING SPECIFICATION:
 - 2-1. TERMINAL:
Ni 50u" MIN. UNDER PLATED OVER ALL.
Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
(GOLD PLATING THICKNESS FOLLOW THE P/N)
PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N
 - 2-2. FRONT SHELL:
Ni 30u" MIN. UNDER PLATED OVER ALL.
 - 2-3. MID PLATE & EMI PLATE:
CLEAR ONLY
 3. MECHANICAL PERFORMANCE:
 - 3-1. INSERTION FORCE: 0.5~2.0kgf.
 - 3-2. REMOVAL FORCE: 0.8kgf~2.0kgf.
 - 3-3. DURABILITY: 10000 CYCLES.
 4. ELECTRICAL PERFORMANCE:
 - 4-1. VOLTAGE RATING: 5 V DC/AC (RMS. max)
CURRENT RATING: 5 AMPS. FOR TOTAL VBUS/GND PINS;
1.25AMPS FOR CC PIN, 0.25 AMPS. FOR ALL OTHER CONTACT.
 - 4-2. LLCR:
VBUS & GND PINS AND OTHER PINS: 40mA/PIN MAX.
LLCR MAX. CHANGE OF ALL PINS: 10mA.
 - 4-3. INSULATION RESISTANCE: 100MΩ MIN
 - 4-4. DIELECTRIC WITHSTAND VOLTAGE, AC 100V FOR 1 MINUTE.
 5. ENVIRONMENTAL PERFORMANCE:
OPERATING TEMPERATURE: -25°C~+85°C.
 6. IR REFLOW:
THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260°C.
 7. TID NUMBER: 7230

LCK-TCF 905 - LXXX Y L- G3

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
L88: 8.8
L920: 9.2
L104: 10.4

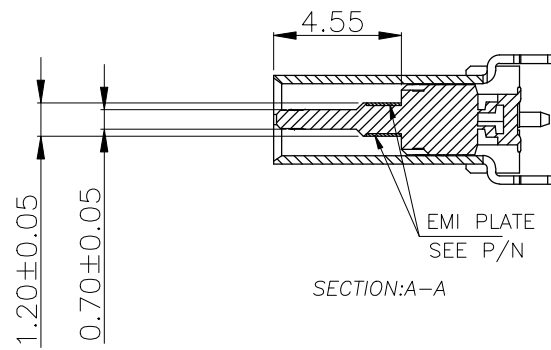
有柱无柱 T: 管装
Y: 有柱
W: 无柱

电镀规格
G1: 1U
G3: 3U
(以此类推)

包装方式
L: 圆盒
B: 吸塑盒

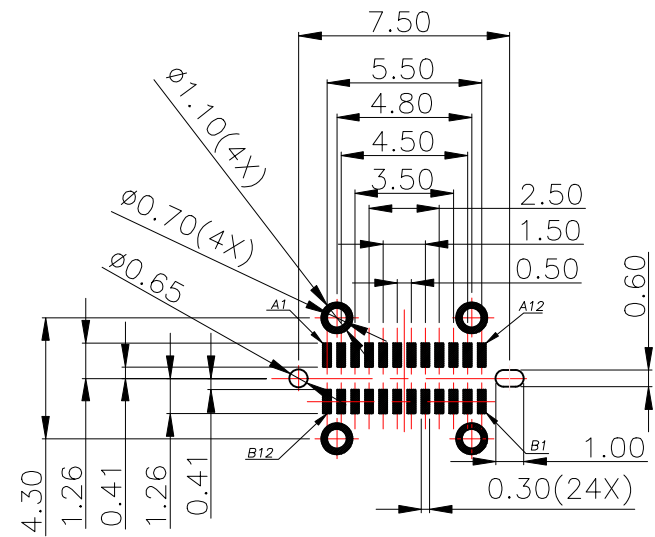
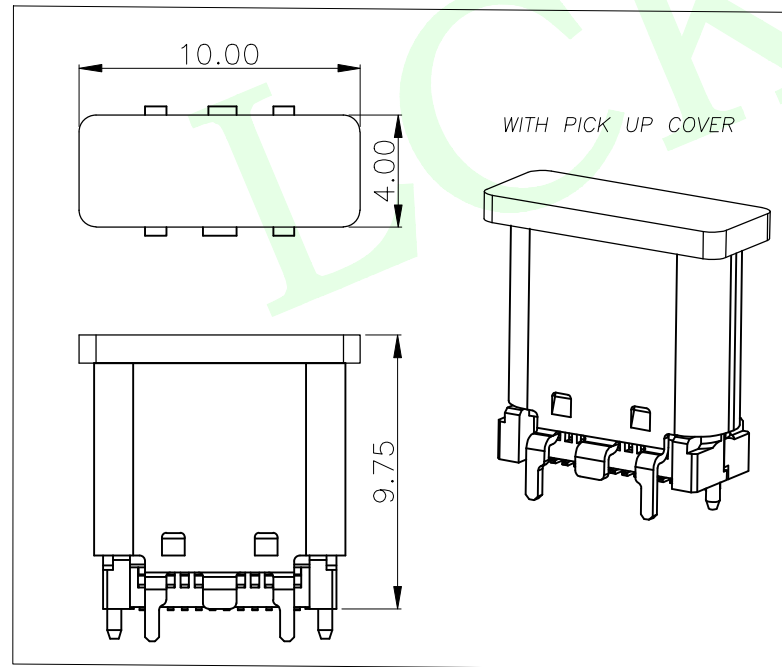
QUADRANT POINT	QP	联晟欣连接器(深圳)有限公司			
TANGENCY POINT	TP	Lianshengxin Connector (Shenzhen) Co., Ltd			
INTERSECTION POINT	IP				
UNLESS OTHERWISE SPECIFIED, TOLERANCE:		DESIGN	Andy	DATE	2014.12.24
X.	±0.25	CHECKED		DATE	
X.x	±0.20	APPROVED		DATE	
X.xx	±0.15	PART NO:	LCK-TCF905-LXXXYL-G3	REV:	04
ANGULAR	±3°	DRAWING NO:	102022238	SCALE:	1:1
				UNIT:	mm
				SIZE:	A4
				SHEET:	1/1

RoHS Compliant



USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	TXp1	B11	RXp1
A3	TXn1	B10	RXn1
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	RXn2	B3	TXn2
A11	RXp2	B2	TXp2
A12	GND	B1	GND



RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS 1.0±0.10MM;DEFAULT TOLERANCE:±0.05

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

UNLESS OTHERWISE
SPECIFIED,TOLERANCE:

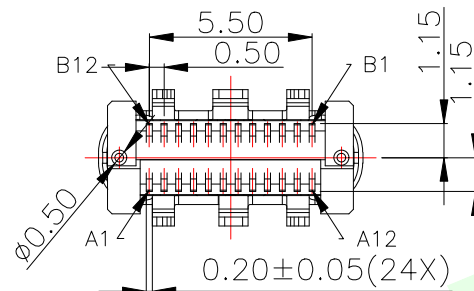
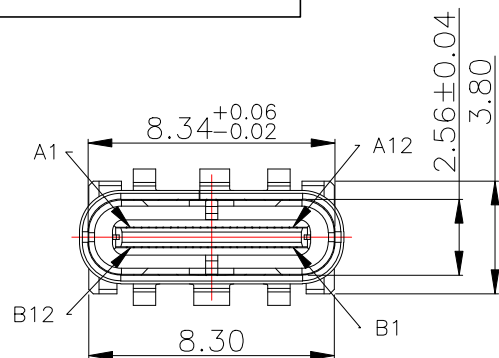
X. ±0.25
X.x ±0.20
X.xx ±0.15
ANGULAR ±3°



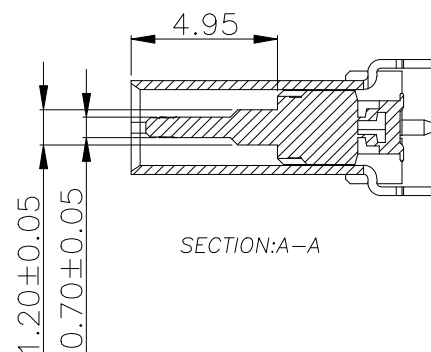
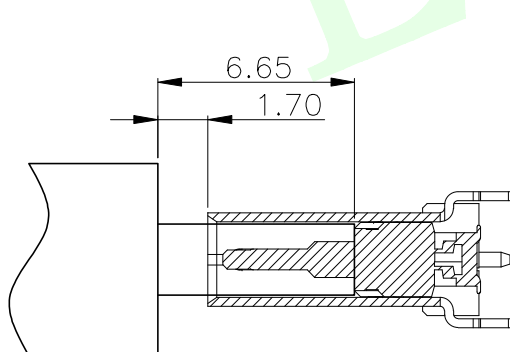
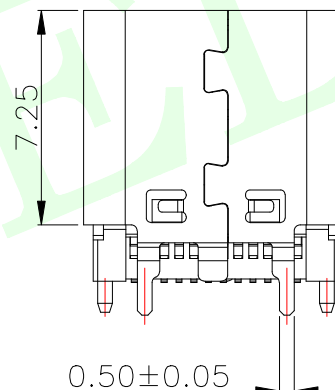
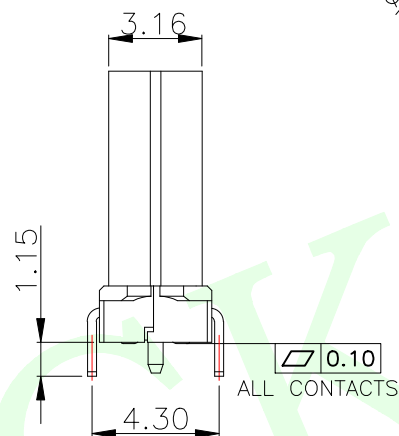
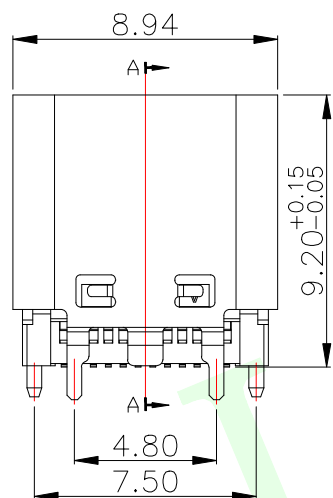
联晟欣连接器（深圳）有限公司
Lianshengxin Connector (Shenzhen) Co., Ltd

DESIGN	Andy	DATE	2014.12.24	TITLE:
CHECKED		DATE		TYPE C 24PIN 直立式8.8&10.4
APPROVED		DATE		
PART NO:	LCK-TCF905-LXXXYL-G3	REV:	04	SCALE: 1:1
DRAWING NO:	102022238	SIZE:	A4	SHEET: 1/1

RoHS Compliant



- NOTE:
1. MATERIAL SPECIFICATION:
 1. HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC, UL94 V-0
 2. TERMINAL: COPPER ALLOY (C1814)
 3. MID PLATE: STAINLESS STEEL (SUS301)
 4. FRONT SHELL: STAINLESS STEEL (SUS304)
 5. EMI PLATE: STAINLESS STEEL (SUS304)
 2. PLATING SPECIFICATION:
 - 2-1. TERMINAL:
Ni 50u" MIN. UNDER PLATED OVER ALL.
Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
(GOLD PLATING THICKNESS FOLLOW THE P/N)
PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N
 - 2-2. FRONT SHELL:
PLATING SPECIFICATIONS FOLLOW THE P/N
 - 2-3. MID PLATE & EMI PLATE:
CLEAR ONLY
 3. MECHANICAL PERFORMANCE,
 - 3-1. INSERTION FORCE: 0.5~2.0kgf.
 - 3-2. REMOVAL FORCE: 0.8kgf~2.0kgf.
 - 3-3. DURABILITY: 10000 CYCLES.
 4. ELECTRICAL PERFORMANCE,
 - 4-1. VOLTAGE RATING: 5 V DC/AC (RMS. max)
CURRENT RATING: 5 AMPS. FOR TOTAL VBUS/GND PINS;
1.25AMPS FOR CC PIN, 0.25 AMPS. FOR ALL OTHER CONTACT.
 - 4-2. LLCR:
VBUS & GND PINS AND OTHER PINS: 40mA/PIN MAX.
SHIELD: 50mA/MAX.
LLCR MAX. CHANGE OF ALL PINS: 10mA.
 - 4-3. INSULATION RESISTANCE: 100MΩ MIN
 - 4-4. DIELECTRIC WITHSTAND VOLTAGE, AC 100V FOR 1 MINUTE.
 5. ENVIRONMENTAL PERFORMANCE:
OPERATING TEMPERATURE: -25°C~+85°C.
 6. IR REFLOW:
THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260°C.

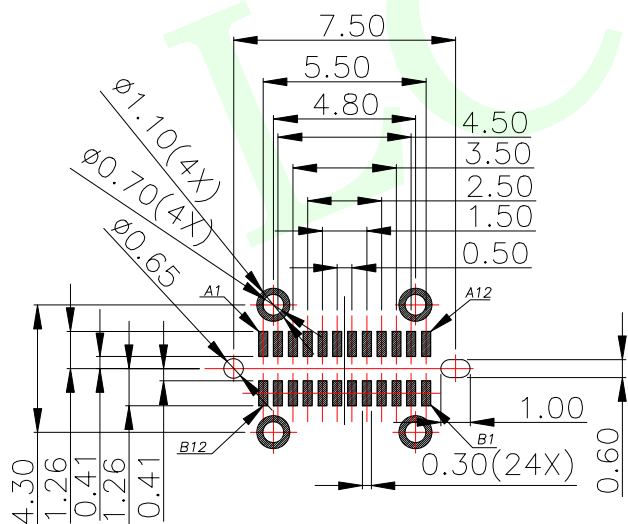


QUADRANT POINT	QP	 联晟欣连接器（深圳）有限公司 Lianshengxin Connector (Shenzhen) Co., Ltd				
TANGENCY POINT	TP					
INTERSECTION POINT	IP					
UNLESS OTHERWISE SPECIFIED, TOLERANCE:		DESIGN	Andy	DATE	2014.12.24	TITLE:
X.	±0.25	CHECKED		DATE		TYPE C 24PIN 直立式 8.8&10.4
X.x	±0.20	APPROVED		DATE		
X.xx	±0.15	PART NO:	LCK-TCF905-LXXYL-G3	REV:	04	SCALE: 1:1
ANGULAR	±3°	DRAWING NO:	102022238	SIZE:	A4	UNIT: mm
				SHEET:	1/1	

RoHS Compliant

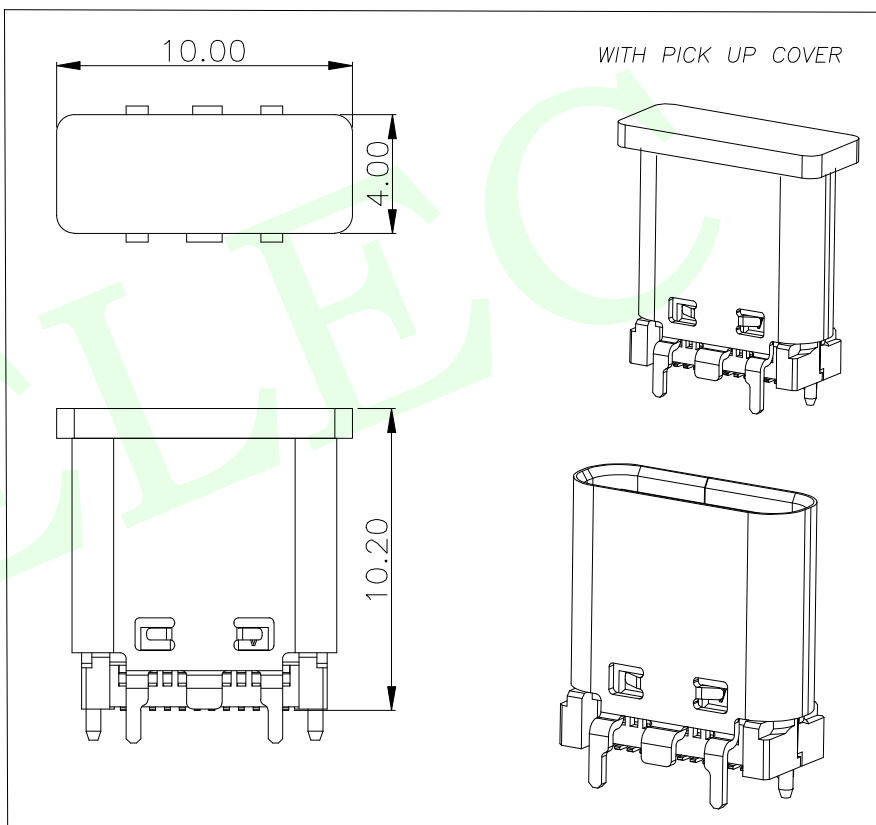
USB TYPE-C PIN ASSIGNMENTS

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



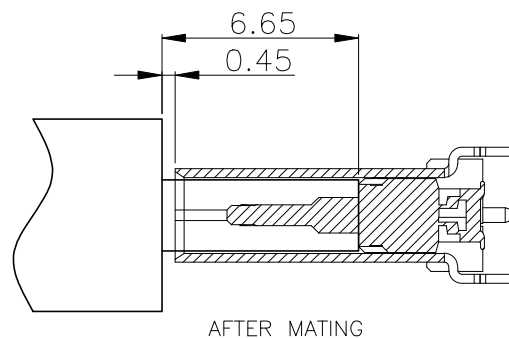
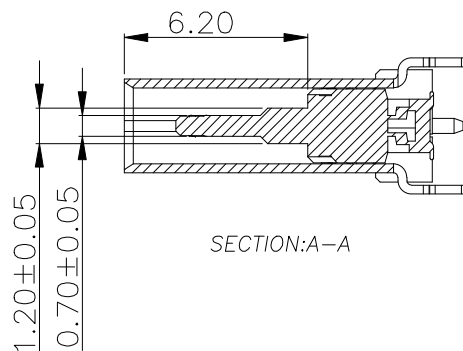
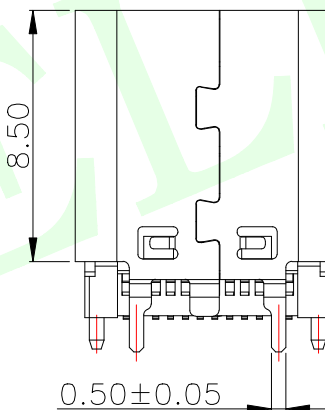
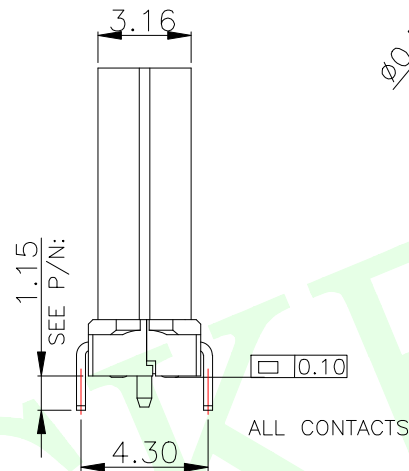
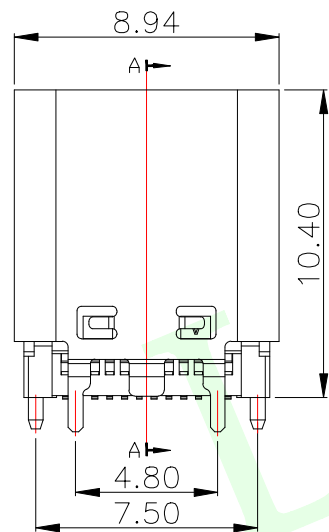
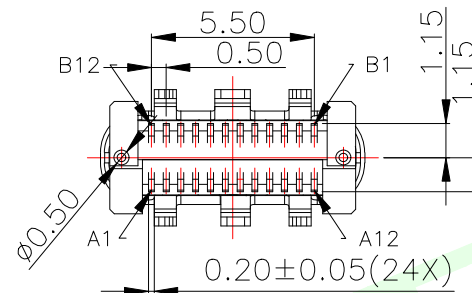
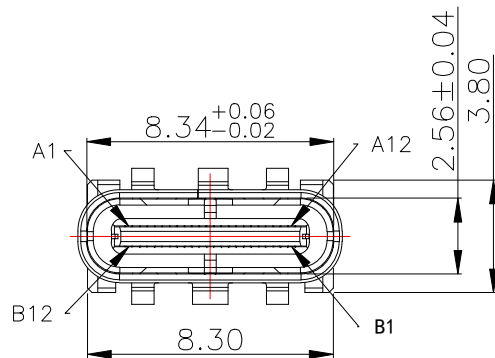
RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS $1.0 \pm 0.10 \text{MM}$; DEFAULT TOLERANCE: ± 0.05



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°		

RoHS Compliant



- NOTE:
- 1.MATERIAL SPECIFICATION:
 - 1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0
 - 2.TERMINAL: COPPER ALLOY(C1814)
 - 3.MID PLATE: STAINLESS STEEL(SUS301)
 - 4.FRONT SHELL: STAINLESS STEEL(SUS304)
 - 5.EMI PLATE: STAINLESS STEEL(SUS304)
 - 2.PLATING SPECIFICATION:
 - 2-1.TERMINAL:
Ni 50u" MIN. UNDER PLATED OVER ALL.
Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
(GOLD PLATING THICKNESS FOLLOW THE P/N)
PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N
 - 2-2.FRONT SHELL:
PLATING SPECIFICATIONS FOLLOW THE P/N
 - 2-3.MID PLATE&EMI PLATE:
CLEAR ONLY
 - 3.MECHANICAL PERFORMANCE,
 - 3-1.INSERTION FORCE: 0.5~2.0kgf.
 - 3-2.REMOVAL FORCE: 0.8kgf~2.0kgf.
 - 3-3.DURABILITY: 10000 CYCLES.
 - 4.ELECTRICAL PERFORMANCE,
 - 4-1. VOLTAGE RATING:5 V DC/AC (RMS. max)
CURRENT RATING:5 AMPS. FOR TOTAL VBUS/GND PINS;
1.25AMPS FOR CC PIN,0.25 AMPS. FOR ALL OTHER CONTACT.
 - 4-2. LLCR:
VBUS & GND PINS AND OTHER PINS: 40mA/PIN MAX.
SHIELD: 50mA/MAX.
LLCR MAX. CHANGE OF ALL PINS: 10mA.
 - 4-3.INSULATION RESISTANCE: 100MΩ MIN
 - 4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.
 5. ENVIRONMENTAL PERFORMANCE:
OPERATING TEMPERATURE: -25°C~+85°C.
 - 6.IR REFLOW:
THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260°C.

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

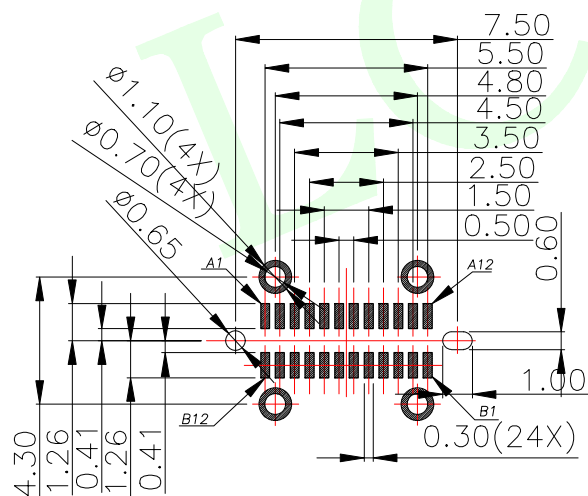
DESIGN	Andy	DATE	2014.12.24	TITLE:	TYPE C 24PIN 直立式8.8&10.4
CHECKED		DATE			
APPROVED		DATE			
PART NO:	LCK-TCF905-LXXXYL-G3	REV:	04	SCALE:	1:1
DRAWING NO:	102022238	SIZE:	A4	SHEET:	1/1

UNIT: mm

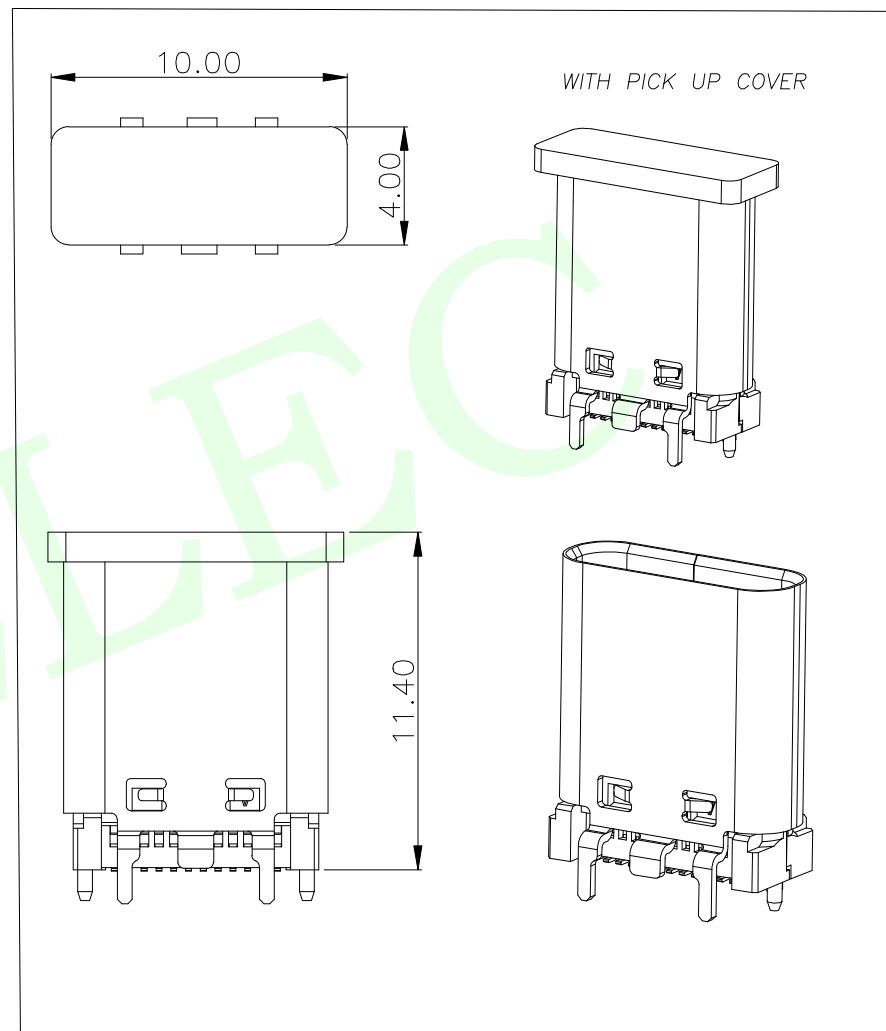
RoHS Compliant

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



RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 1.0±0.10MM;DEFAULT TOLERANCE:±0.05



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	TITLE:		
X.	±0.25	CHECKED		DATE		TYPE C 24PIN 直立式8.8&10.4		
X.x	±0.20	APPROVED		DATE				
X.xx	±0.15	PART NO: LCK-TCF905-LXXYL-G3				REV: 04	SCALE: 1:1	UNIT: mm
ANGULAR	±3°	DRAWING NO: 102022238				SIZE: A4	SHEET: 1/1	