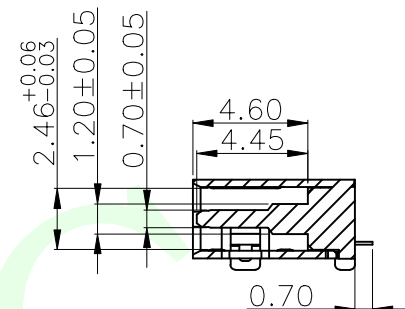
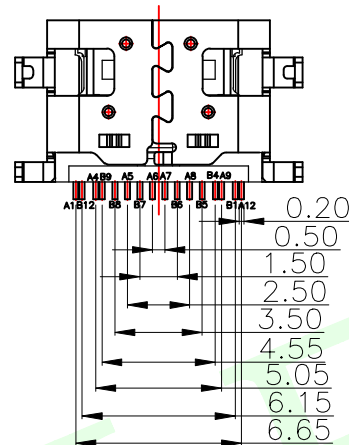
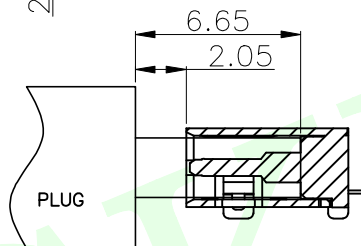
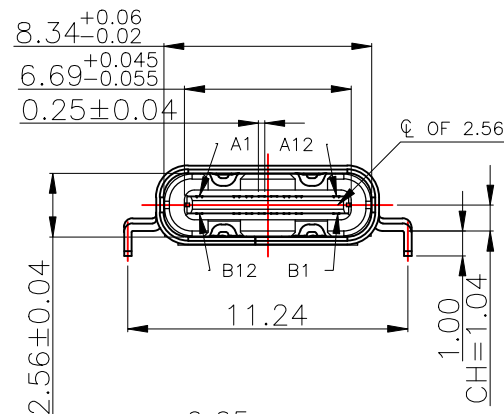
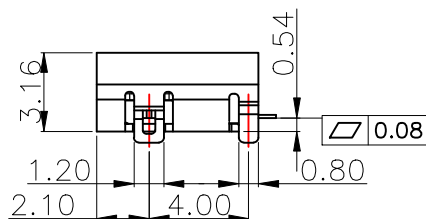
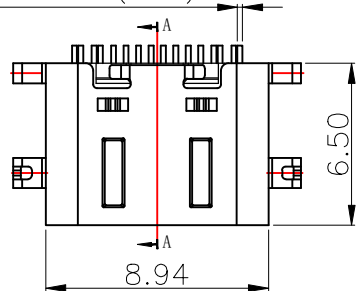


RoHS Compliant

0.20±0.05(16X)



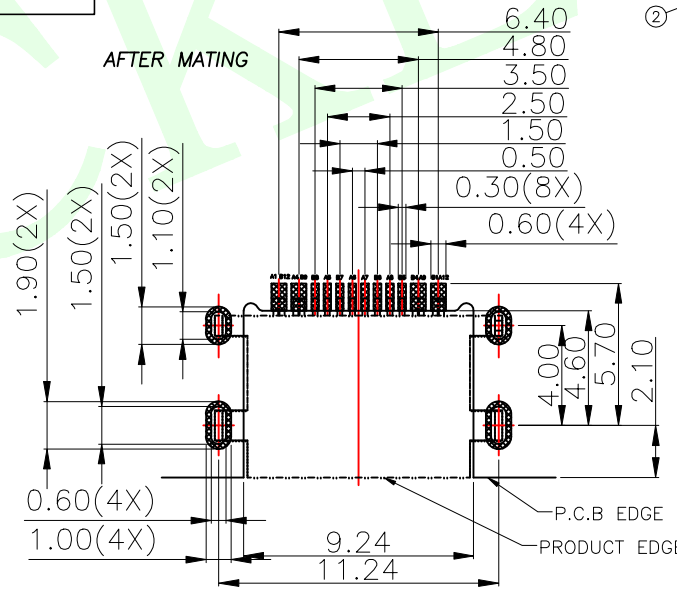
SECTION:A-A

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         |

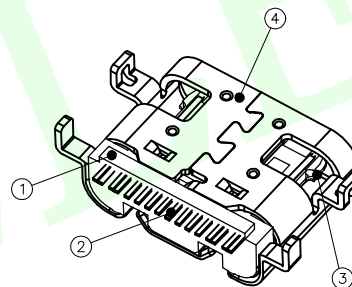
- NOTE:
- MATERIAL SPECIFICATION:
    - HOUSING:PA9T,UL94 V-0.
    - TERMINAL: COPPER ALLOY(C18150)
    - MID PLATE: STAINLESS STEEL(SUS301)
    - FRONT SHELL: STAINLESS STEEL(SUS304)
  - PLATING SPECIFICATION:
    - TERMINAL:  
Ni 50u" MIN. UNDER PLATED OVER ALL.  
Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.  
(GOLD PLATING THICKNESS FOLLOW THE P/N)  
PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N
    - FRONT SHELL:  
PLATING SPECIFICATIONS FOLLOW THE P/N
    - MID PLATE:  
CLEAR ONLY
  - MECHANICAL PERFORMANCE,
    - INSERTION FORCE: 0.5~2.0kgf.
    - REMOVAL FORCE: 0.8kgf~2.0kgf.
    - DURABILITY: 10000 CYCLES.
  - ELECTRICAL PERFORMANCE,
    - 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.
    - LLCR:  
VBUS & GND PINS AND OTHER PINS: 40mA/PIN MAX.  
LLCR MAX. CHANGE OF ALL PINS: 10mA.
    - INSULATION RESISTANCE: 100MΩ MIN
    - DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.
  - ENVIRONMENTAL PERFORMANCE:  
OPERATING TEMPERATURE: -25°C~+85°C.
  - IR REFLOW: THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

AFTER MATING



RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS 0.80MM;DEFAULT TOLERANCE:±0.05



LCK-TCF 801-CXXX W L- G3

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

沉板深度

C54:0.54

C08:0.8

C10:1.0

C13:1.3

C16:1.6

C186: 1.86

C210:2.10

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

QP

TP

IP

UNLESS OTHERWISE  
SPECIFIED,TOLERANCE:

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

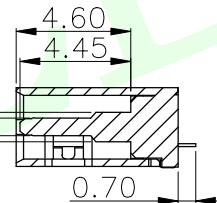
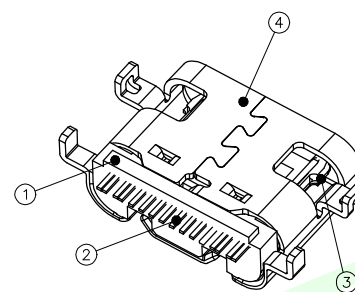
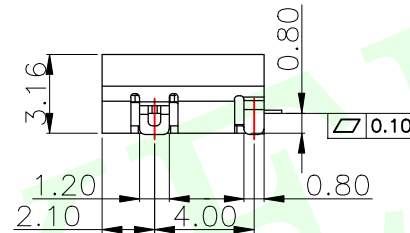
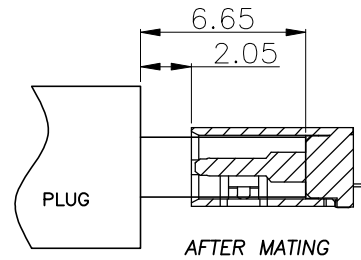
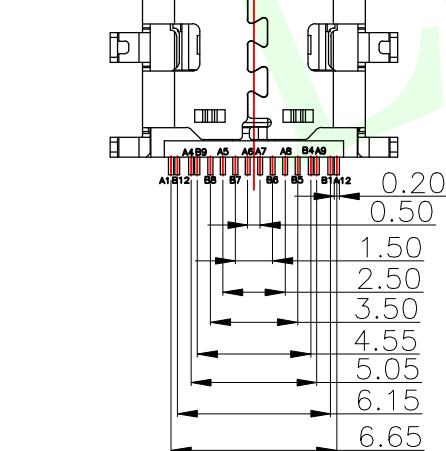
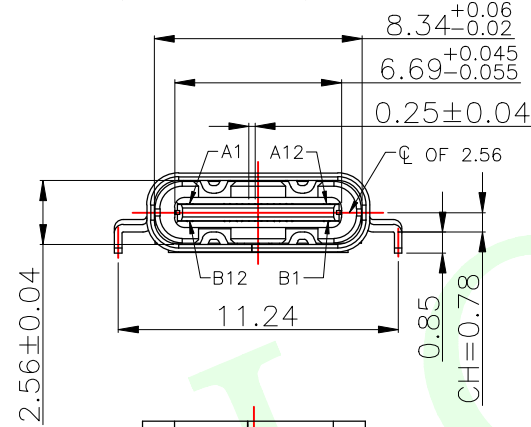
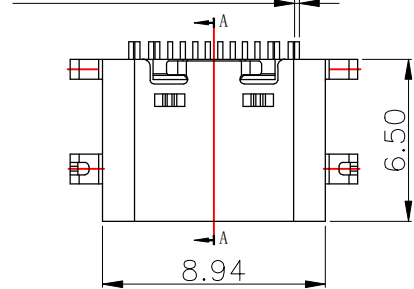


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Lianshengxin Connector (Shenzhen) Co., Ltd

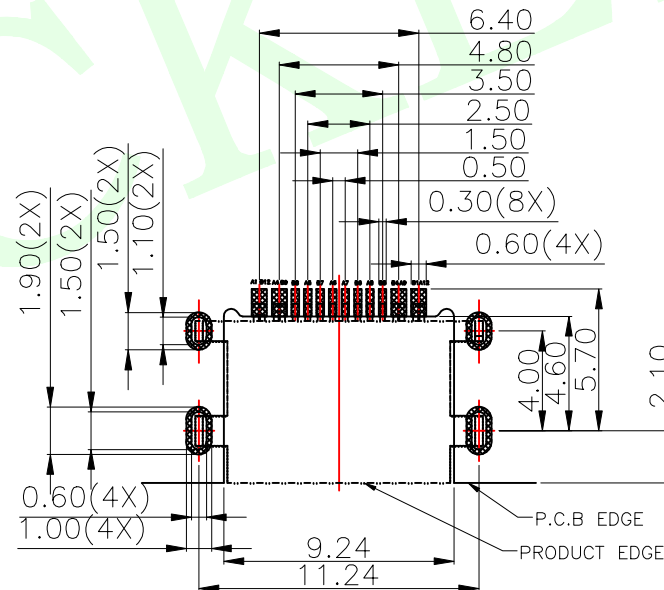
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|-------------|---------------------|-------|------------|--------|-------------------------------|
| DESIGN      | Andy                | DATE  | 2014.12.24 | TITLE: | TYPE C CF 16P单排L6.5沉板0.54/0.8 |
| CHECKED     |                     | DATE  |            |        | 1.0/1.3/1.6/1.86/2.1          |
| APPROVED    |                     | DATE  |            |        |                               |
| PART NO:    | LCK-TCF801-CXXWL-G3 | REV:  | 04         | SCALE: | 1:1                           |
| DRAWING NO: | 102022109           | SIZE: | A4         | SHEET: | 1/1                           |

RoHS Compliant

0.20±0.05(16X)



SECTION:A-A



RECOMMENDED PCB LAYOUT(TOP VIEW)  
THICKNESS 0.80MM;DEFAULT TOLERANCE:±0.05

NOTE:

- MATERIAL SPECIFICATION:
  - HOUSING:PA9T,UL94 V-0.
  - TERMINAL: COPPER ALLOY(C18150)
  - MID PLATE: STAINLESS STEEL(SUS301)
  - FRONT SHELL: STAINLESS STEEL(SUS304)
- PLATING SPECIFICATION:
  - 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
  - FRONT SHELL:  
PLATING SPECIFICATIONS FOLLOW THE P/N
  - MID PLATE:  
CLEAR ONLY
- MECHANICAL PERFORMANCE,
  - INSERTION FORCE: 0.5~2.0kgf.
  - REMOVAL FORCE: 0.8kgf~2.0kgf.
  - DURABILITY: 10000 CYCLES.
- ELECTRICAL PERFORMANCE,
  - 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.
  - LLCR:  
VBUS & GND PINS AND OTHER PINS: 40ms/PIN MAX.  
LLCR MAX. CHANGE OF ALL PINS: 10mA.
  - INSULATION RESISTANCE: 100MΩ MIN
  - DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.
- ENVIRONMENTAL PERFORMANCE:  
OPERATING TEMPERATURE: -25°C~+85°C.
- IR REFLOW: THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°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         |

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



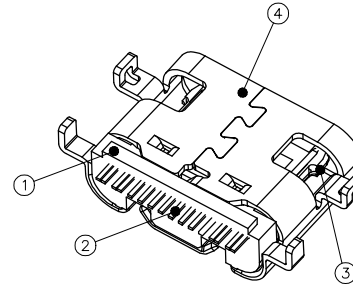
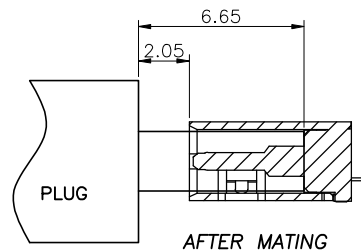
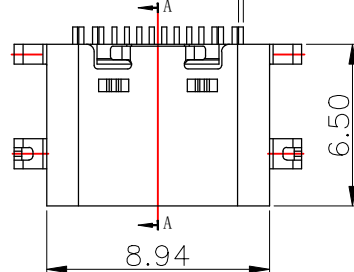
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Lianshengxin Connector (Shenzhen) Co., Ltd

|             |                     |       |            |                               |
|-------------|---------------------|-------|------------|-------------------------------|
| DESIGN      | Andy                | DATE  | 2014.12.24 | TITLE:                        |
| CHECKED     |                     | DATE  |            | TYPE C CF 16P单排L6.5沉板0.54/0.8 |
| APPROVED    |                     | DATE  |            | 1.0/1.3/1.6/1.86/2.1          |
| PART NO:    | LCK-TCF801-CXXWL-G3 | REV:  | 04         | SCALE: 1:1                    |
| DRAWING NO: | 102022109           | SIZE: | A4         | SHEET: 1/1                    |

RoHS Compliant

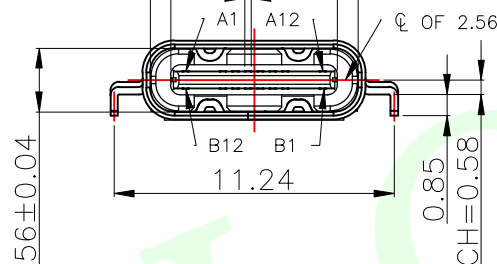
0.20±0.05(16X)



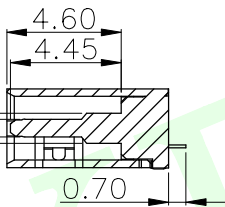
- NOTE:
- 1.MATERIAL SPECIFICATION:  
1.HOUSING:PA9T,UL94 V-0.  
2.TERMINAL: COPPER ALLOY(C18150)  
3.MID PLATE: STAINLESS STEEL(SUS301)  
4.FRONT SHELL: STAINLESS STEEL(SUS304)
  - 2.PLATING SPECIFICATION:  
2-1.TERMINAL:  
Ni 50u" MIN. UNDER PLATED OVER ALL.  
Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.  
(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:  
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: 40ms/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.

8.34<sup>+0.06</sup><sub>-0.02</sub>  
6.69<sup>+0.045</sup><sub>-0.055</sub>

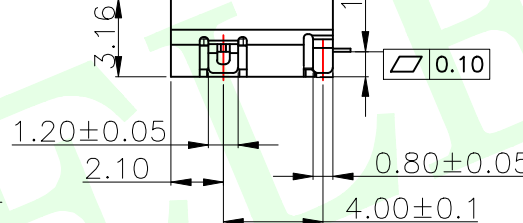
0.25±0.04



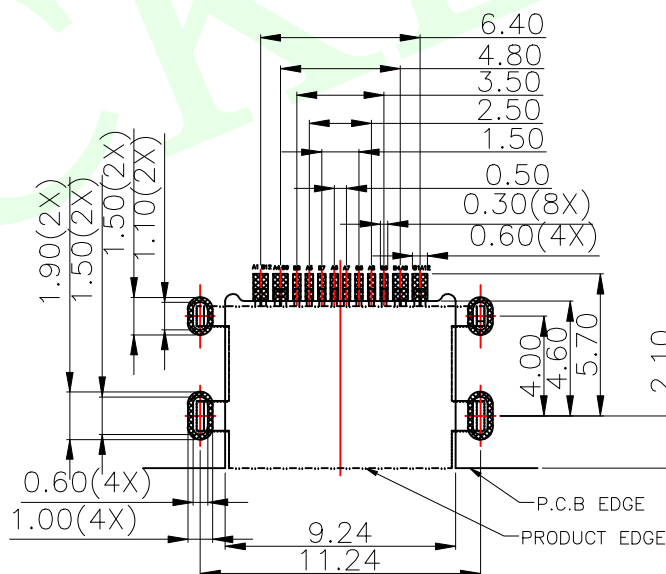
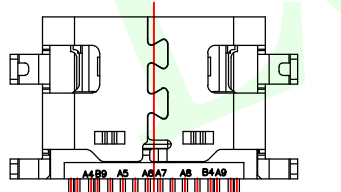
1.20±0.05  
0.70±0.05



SECTION:A-A



2.56±0.04



RECOMMENDED PCB LAYOUT(TOP VIEW)  
THICKNESS 0.80MM;DEFAULT TOLERANCE:±0.05

### 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         |

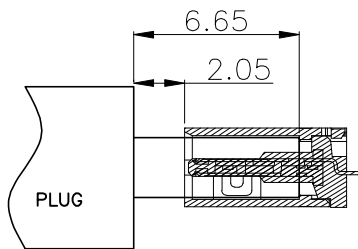
MEASURE POINT:  
QUADRANT POINT (QP)  
TANGENCY POINT (TP)  
INTERSECTION POINT (IP)  
UNLESS OTHERWISE SPECIFIED,TOLERANCE:  
X. ±0.25  
X.x ±0.20  
X.xx ±0.15  
ANGULAR ±3°

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

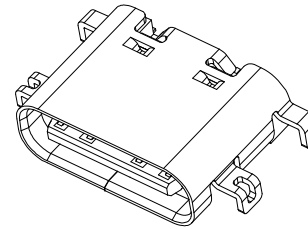
|             |                     |        |            |                               |
|-------------|---------------------|--------|------------|-------------------------------|
| DESIGN      | Andy                | DATE   | 2014.12.24 | TITLE:                        |
| CHECKED     |                     | DATE   |            | TYPE C CF 16P单排L6.5沉板0.54/0.8 |
| APPROVED    |                     | DATE   |            | 1.0/1.3/1.6/1.86/2.1          |
| PART NO:    | LCK-TCF801-CXXWL-G3 | REV:   | 04         | SCALE: 1:1                    |
| DRAWING NO: | 102022109           | SIZE:  | A4         | UNIT: mm                      |
|             |                     | SHEET: | 1/1        |                               |

RoHS Compliant

0.20±0.05(16X)

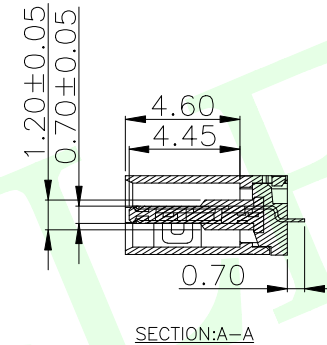
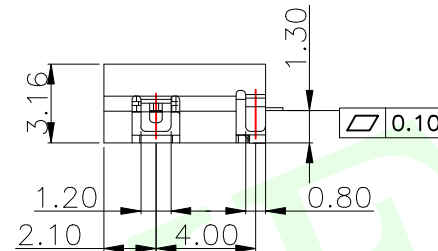


AFTER MATING

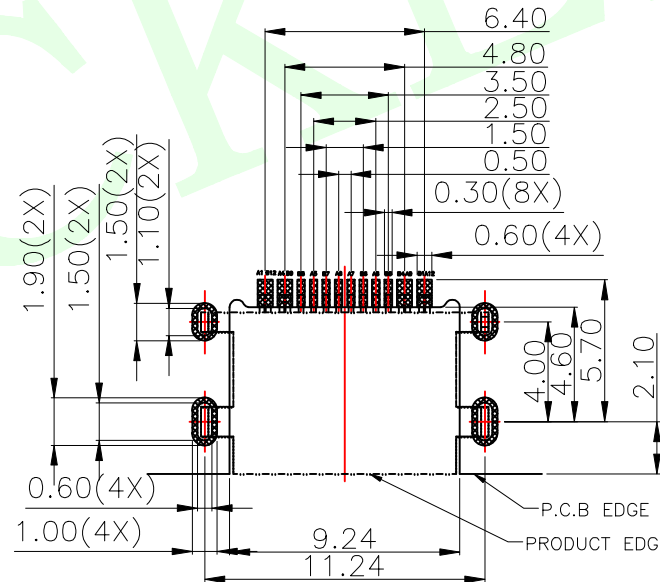
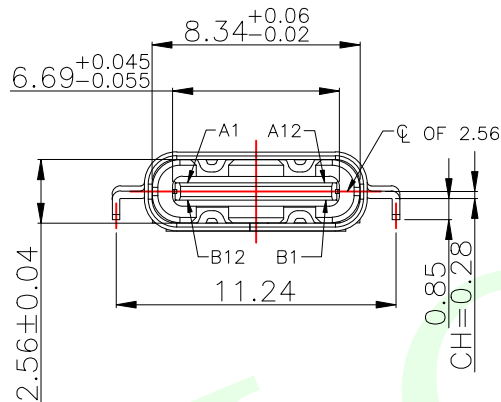


NOTE:

- 1.MATERIAL SPECIFICATION:
  - 1.HOUSING:PA9T,UL94 V-0.
  - 2.TERMINAL: COPPER ALLOY(C18150)
  - 3.MID PLATE: STAINLESS STEEL(SUS301)
  - 4.FRONT SHELL: 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:  
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: 40ms/PIN MAX.  
LLCR MAX. CHANGE OF ALL PINS: 10ms.
  - 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.



SECTION:A-A



RECOMMENDED PCB LAYOUT(TOP VIEW)  
THICKNESS 0.80MM;DEFAULT TOLERANCE:±0.05

#### 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         |

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 CF 16P单排L6.5沉板0.54/0.8  
1.0/1.3/1.6/1.86/2.1

CHECKED

DATE

DATE

REV: 04

SCALE: 1:1

UNIT: mm

APPROVED

DATE

DATE

REV: 04

SCALE: 1:1

UNIT: mm

PART NO: LCK-TCF801-CXXWL-G3

REV: 04

SCALE: 1:1

UNIT: mm

REV: 04

SCALE: 1:1

UNIT: mm

REV: 04

SCALE: 1:1

UNIT: mm

DRAWING NO: 102022109

REV: 04

SCALE: 1:1

UNIT: mm

REV: 04

SCALE: 1:1

UNIT: mm

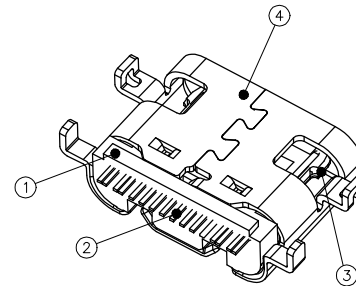
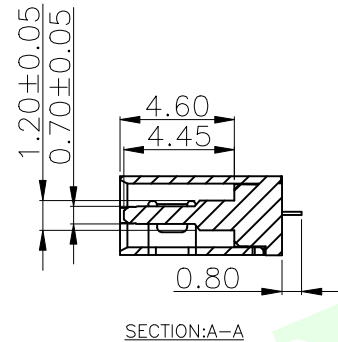
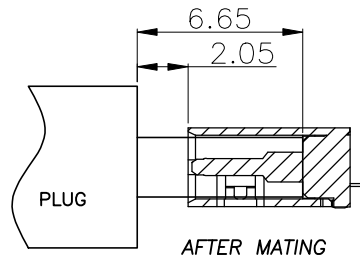
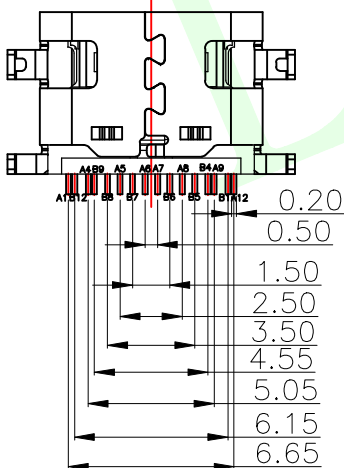
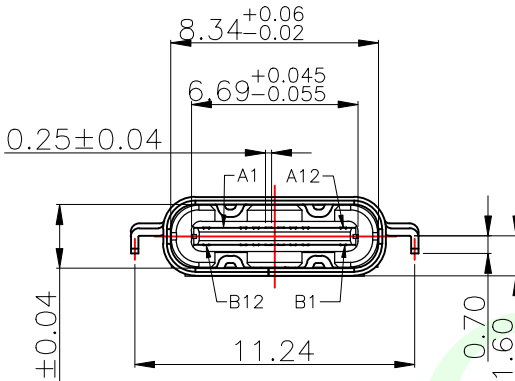
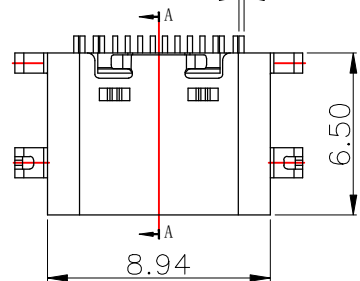
REV: 04

SCALE: 1:1

UNIT: mm

RoHS Compliant

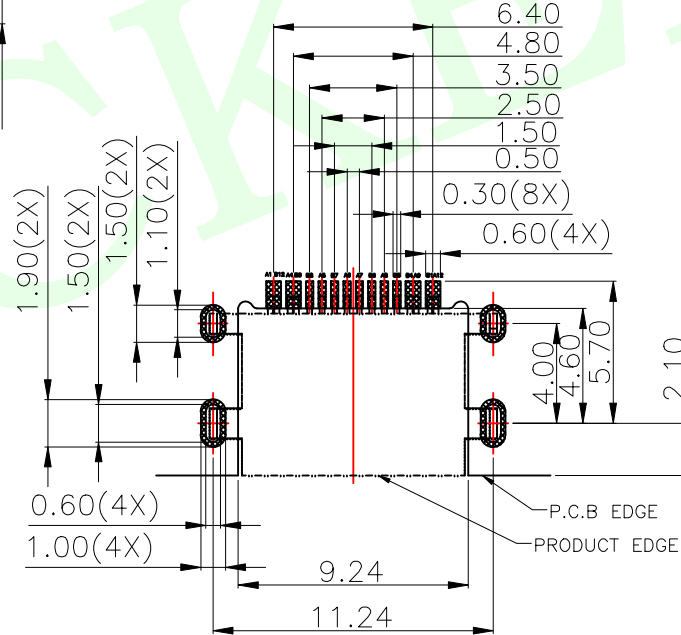
0.20±0.05(16X)



- NOTE:
- 1.MATERIAL SPECIFICATION:  
1.HOUSING:PA9T,UL94 V-0.  
2.TERMINAL: COPPER ALLOY(C18150)  
3.MID PLATE: STAINLESS STEEL(SUS301)  
4.FRONT SHELL: 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:  
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: 40ms/PIN MAX.  
LLCR MAX. CHANGE OF ALL PINS: 10ms.  
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.

#### 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 PCB LAYOUT(TOP VIEW)  
THICKNESS 0.80MM;DEFAULT TOLERANCE:±0.05

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°

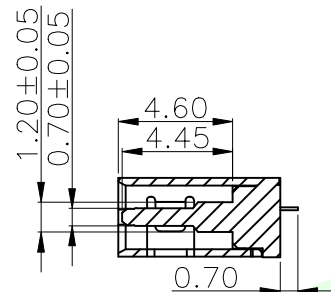
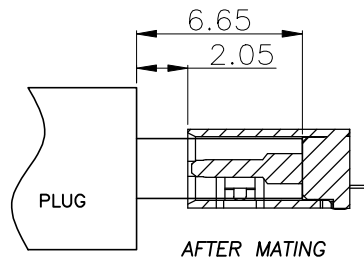
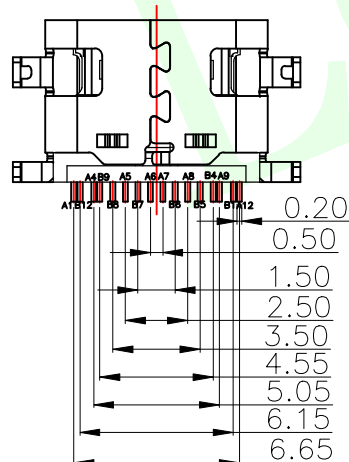
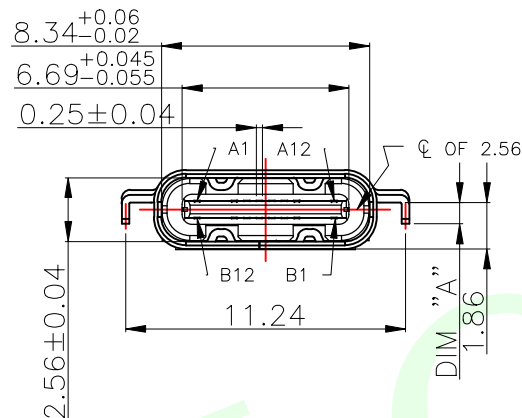
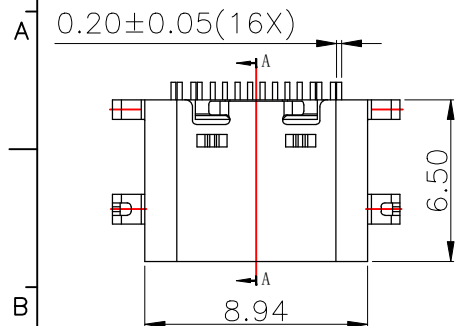


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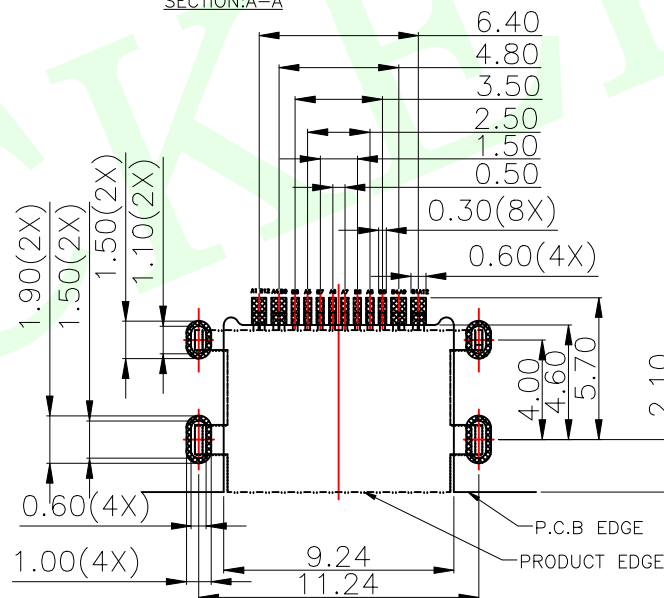
DESIGN Andy DATE 2014.12.24 TITLE:  
CHECKED DATE TYPE C CF 16P单排L6.5沉板0.54/0.8  
APPROVED DATE 1.0/1.3/1.6/1.86/2.1  
PART NO: LCK-TCF801-CXXWL-G3 REV: 04 SCALE: 1:1 UNIT: mm  
DRAWING NO: 102022109 SIZE: A4 SHEET: 1/1



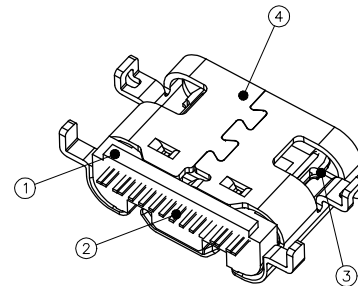
RoHS Compliant



SECTION:A-A



RECOMMENDED PCB LAYOUT(TOP VIEW)  
THICKNESS 0.80MM;DEFAULT TOLERANCE:±0.05



- NOTE:
- 1.MATERIAL SPECIFICATION:  
1.1.HOUSING:PA9T,UL94 V-0.  
1.2.TERMINAL: COPPER ALLOY(C18150)  
1.3.MID PLATE: STAINLESS STEEL(SUS301)  
1.4.FRONT SHELL: 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:  
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: 40ms/PIN MAX.  
LLCR MAX. CHANGE OF ALL PINS: 10ms.  
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.

#### 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         |

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

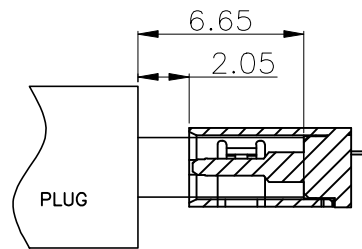
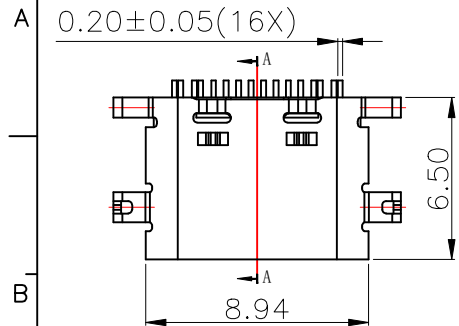
UNLESS OTHERWISE  
SPECIFIED,TOLERANCE:  
X. ±0.25  
X.x ±0.20  
X.xx ±0.15  
ANGULAR ±3°



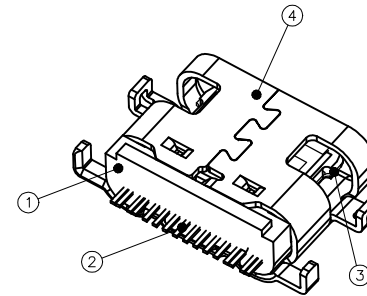
联晟欣连接器（深圳）有限公司  
Lianshengxin Connector (Shenzhen) Co., Ltd

DESIGN: Andy DATE: 2014.12.24 TITLE: TYPE C CF 16P 单排 L6.5 沉板 0.54/0.8  
CHECKED: DATE: 1.0/1.3/1.6/1.86/2.1  
APPROVED: DATE: 1.0/1.3/1.6/1.86/2.1  
PART NO: LCK-TCF801-CXXWL-G3 REV: 04 SCALE: 1:1 UNIT: mm  
DRAWING NO: 102022109 SIZE: A4 SHEET: 1/1

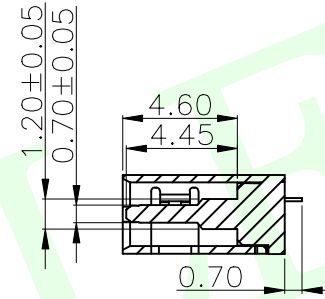
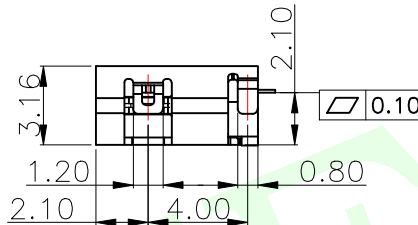
RoHS Compliant



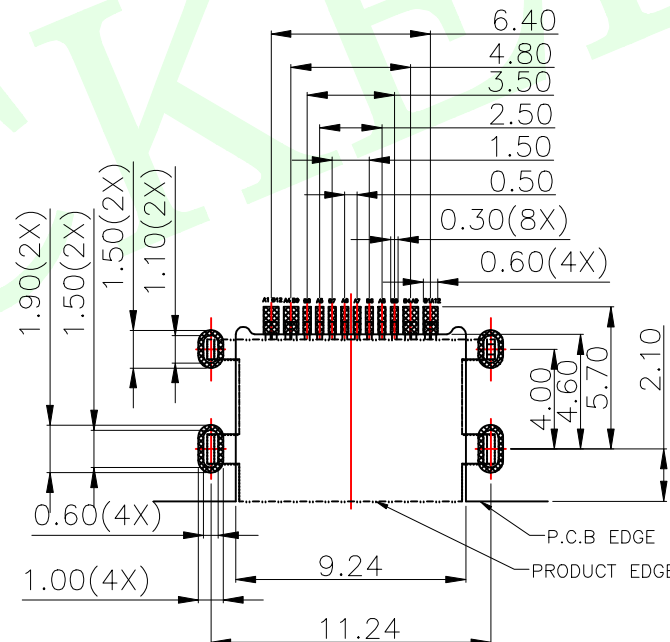
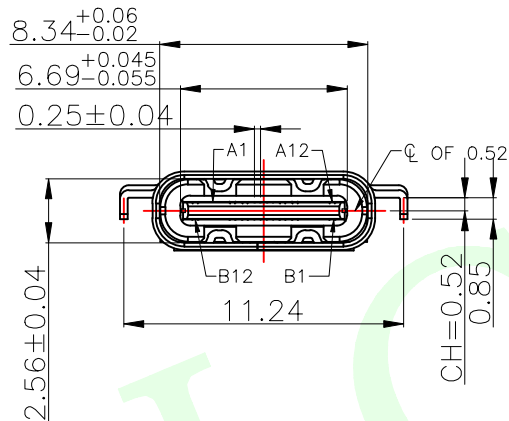
AFTER MATING



- NOTE:
- 1.MATERIAL SPECIFICATION:  
1.HOUSING:PA9T,UL94 V-0.  
2.TERMINAL: COPPER ALLOY(C18150)  
3.MID PLATE: STAINLESS STEEL(SUS301)  
4.FRONT SHELL: 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:  
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: 40ms/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.



SECTION:A-A



RECOMMENDED PCB LAYOUT(TOP VIEW)  
THICKNESS 0.80MM;DEFAULT TOLERANCE:±0.05

#### 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         |

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°



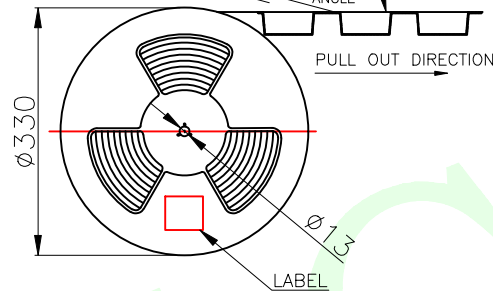
联晟欣连接器（深圳）有限公司  
Lianshengxin Connector (Shenzhen) Co., Ltd

|                              |      |      |            |                               |            |                                                                                       |
|------------------------------|------|------|------------|-------------------------------|------------|---------------------------------------------------------------------------------------|
| DESIGN                       | Andy | DATE | 2014.12.24 | TITLE:                        |            |                                                                                       |
| CHECKED                      |      | DATE |            | TYPE C CF 16P单排L6.5沉板0.54/0.8 |            |                                                                                       |
| APPROVED                     |      | DATE |            | 1.0/1.3/1.6/1.86/2.1          |            |                                                                                       |
| PART NO: LCK-TCF801-CXXWL-G3 |      |      |            | REV: 04                       | SCALE: 1:1 | UNIT: mm                                                                              |
| DRAWING NO: 102022109        |      |      |            | SIZE: A4                      | SHEET: 1/1 |  |

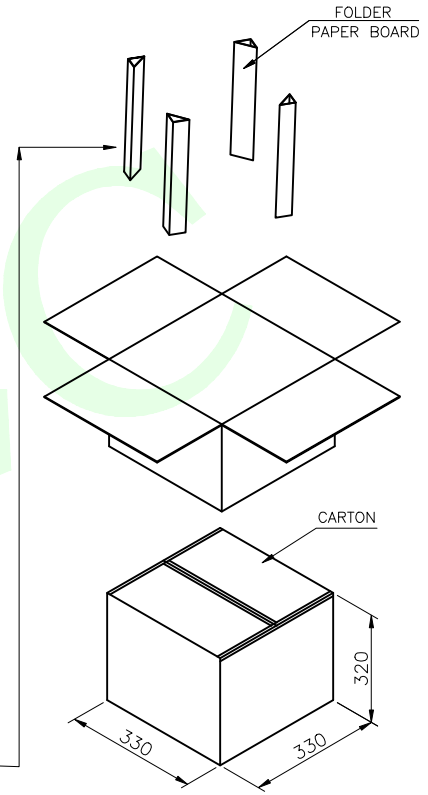
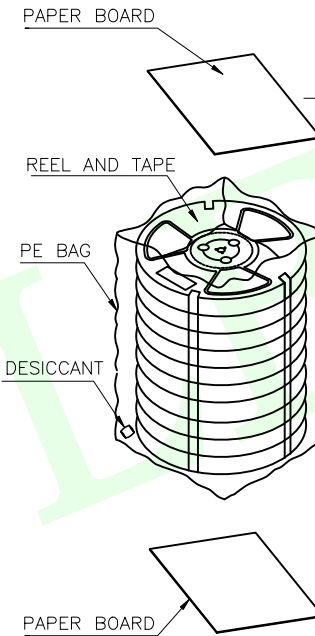
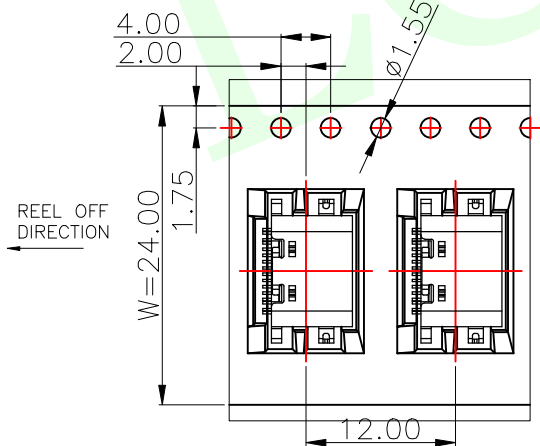
RoHS Compliant

REEL OFF SECTION 1400PCS PULL OUT DIRECTION  
(16 POCKETS) (16 POCKETS)

SEE DETAIL X  
PEELING DIRECTION  
PEELING ANGLE  
 $165^{\circ} \sim 180^{\circ}$



W+0.5



|                                                                                                            |  |                                                                                                                                                                |                    |                                                            |                                                                                       |
|------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                                                                                            |  | REEL                                                                                                                                                           |                    | CARTON                                                     |                                                                                       |
| CONNECTOR (PCS)                                                                                            |  | 1400                                                                                                                                                           |                    | 14000                                                      |                                                                                       |
| MEASURE POINT:<br>QUADRANT POINT (QP)<br>TANGENCY POINT (TP)<br>INTERSECTION POINT (IP)                    |  | <div> 联晟欣连接器（深圳）有限公司<br/>Lianshengxin Connector (Shenzhen) Co., Ltd</div> |                    |                                                            |                                                                                       |
| UNLESS OTHERWISE SPECIFIED, TOLERANCE:<br><div>X. ±0.25<br/>X.x ±0.20<br/>X.xx ±0.15<br/>ANGULAR ±3°</div> |  | DESIGN<br>Andy                                                                                                                                                 | DATE<br>2014.12.24 | TITLE:<br>TYPE C CF 16P单排L6.5沉板0.54/0.8-10/1.3/16/1.86/2.1 |                                                                                       |
|                                                                                                            |  | CHECKED                                                                                                                                                        | DATE               |                                                            |                                                                                       |
|                                                                                                            |  | APPROVED                                                                                                                                                       | DATE               |                                                            |                                                                                       |
|                                                                                                            |  | PART NO: LCK-TCF801-CXXWL-G3                                                                                                                                   |                    | REV: 04                                                    | SCALE: 1:1                                                                            |
|                                                                                                            |  | DRAWING NO: 102022109                                                                                                                                          |                    | SIZE: A4                                                   | SHEET: 1/1                                                                            |
|                                                                                                            |  |                                                                                                                                                                |                    | UNIT: mm                                                   |  |