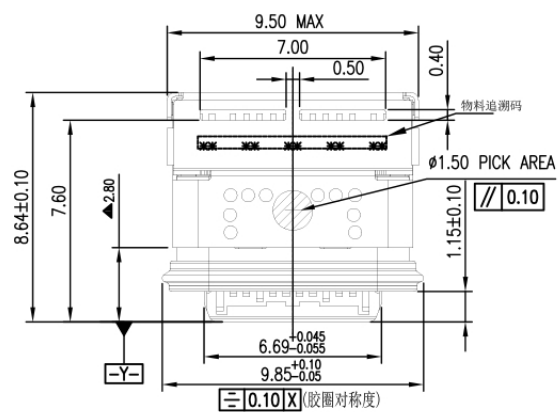
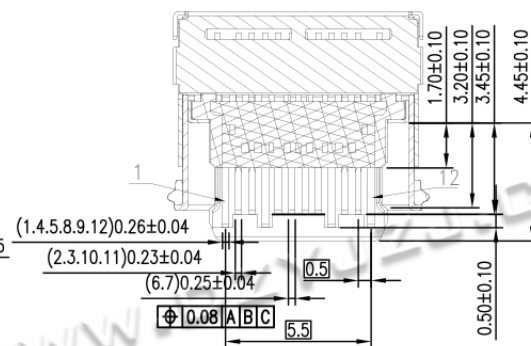
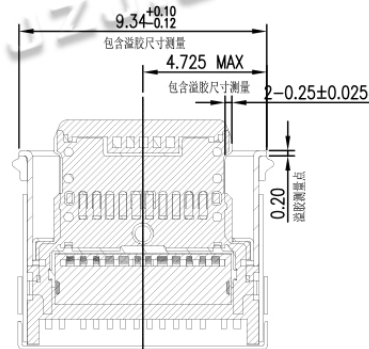
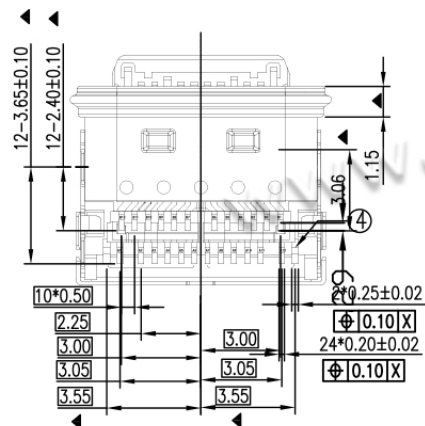
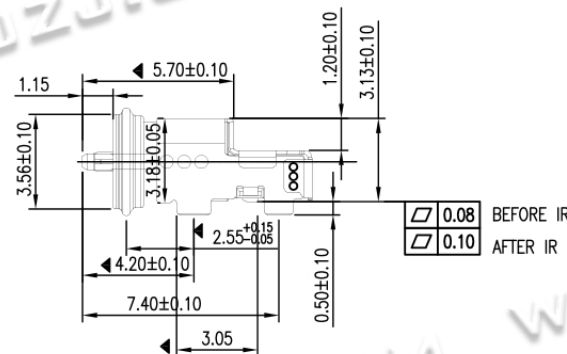
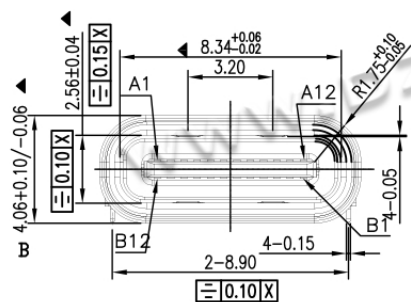


SECTION C-C(SC 1:1)



SECTION B-B(SC 1:1)



SECTION A-A(SC 1:1)

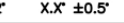


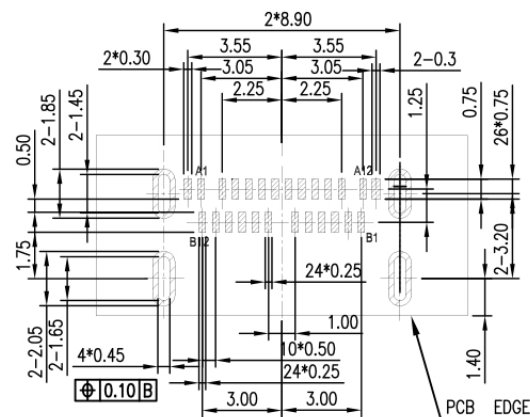
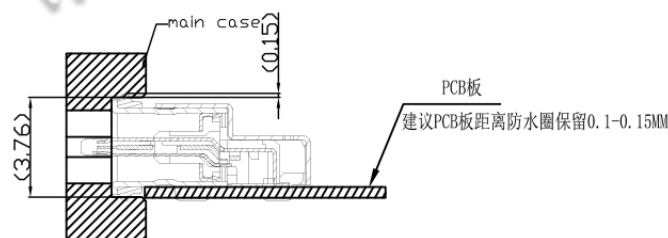
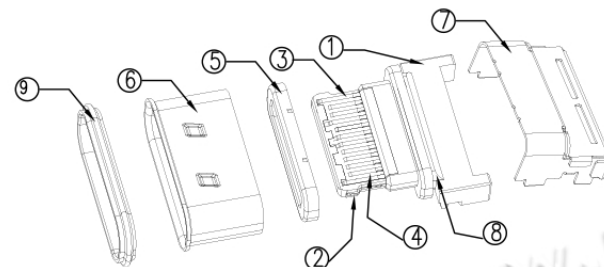
1. ELECTRICAL CHARACTERISTICS:
- 1.1 CONTACT RESISTANCE:  $400\ \Omega$  Max FOR INITIAL.  $10m\ \Omega$  CHANGE AFTER TEST. MEASURE AT  $20w$ ,  $100mA$ .
  - 1.2 CONTACT CURRENT RATING: 5A FOR COLLECTIVE POWER SUPPLY
  - 1.3 PIN (P1, A4, A9, A12, B1, B4, B9, B12): 1.25A FOR VCON; PIN. 0.25A FOR OTHER SIGNAL. PIN.
  - 1.4 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC R.M.S.
  - 1.4.1 INSULATION RESISTANCE  $1000\ \Omega$  Min.
  - 1.5 OPERATING TEMPERATURE:  $-40^{\circ}\text{C}$  -  $85^{\circ}\text{C}$
- 2 MECHANICAL CHARACTERISTICS:
- 2.1 MATING FORCE:  $8\text{--}20\text{N}$
  - 2.2 UNMATED FORCE:  $8\text{--}20\text{N}$  INITIAL TEST;  $6\text{--}20\text{N}$  DURABILITY AFTER TEST
  - 2.3 DURABILITY: 10,000 CYCLES

| PIN | Signal Name     | Description                                               | PIN | Signal Name     | Description                                               |
|-----|-----------------|-----------------------------------------------------------|-----|-----------------|-----------------------------------------------------------|
| A1  | GND             | Ground return                                             | B12 | GND             | Ground return                                             |
| A2  | SSTxP1          | Positive half of first SuperSpeed TX differential pair    | B11 | SSRXp1          | Positive half of first SuperSpeed RX differential pair    |
| A3  | SSTxN1          | Negative half of first SuperSpeed TX differential pair    | B10 | SSRXn1          | Negative half of first SuperSpeed RX differential pair    |
| A4  | V <sub>BS</sub> | Bus Power                                                 | B9  | V <sub>BS</sub> | Bus Power                                                 |
| A5  | CC1             | Configuration Channel                                     | B8  | SBU2            | Sideband Use (SBU)                                        |
| A6  | Dp1             | Positive half of the USB 2.0 differential pair-Position 1 | B7  | Dn2             | Negative half of the USB 2.0 differential pair-Position 1 |
| A7  | Dn1             | Negative half of the USB 2.0 differential pair-Position 1 | B6  | Dp2             | Positive half of the USB 2.0 differential pair-Position 2 |
| A8  | SBU1            | Sideband Use (SBU)                                        | B5  | CC2             | Configuration Channel                                     |
| A9  | V <sub>BS</sub> | Bus Power                                                 | B4  | V <sub>BS</sub> | Bus Power                                                 |
| A10 | SSRXn2          | Negative half of second SuperSpeed RX differential pair   | B3  | SSTxN2          | Negative half of second SuperSpeed TX differential pair   |
| A11 | SSRXp2          | Positive half of second SuperSpeed RX differential pair   | B2  | SSTxP2          | Positive half of second SuperSpeed TX differential pair   |
| A12 | GND             | Ground return                                             | B1  | GND             | Ground return                                             |

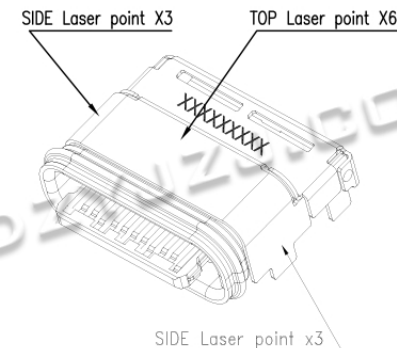
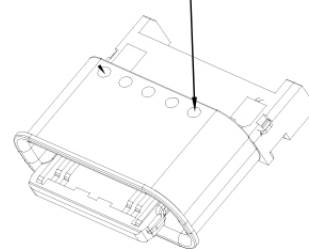


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|                                                                                                          |  |                    |  |                      |  |                                              |                   |
|----------------------------------------------------------------------------------------------------------|--|--------------------|--|----------------------|--|----------------------------------------------|-------------------|
| TOLERANCE:<br>X.X ±0.30<br>X.XX ±0.25<br>X.XXX ±0.15<br>X.* ±2*    X.X* ±0.5*                            |  | DRAWN BY :<br>陈一鸣  |  | DATE :<br>2014-02-23 |  | PART NAME:<br>USB TYPE C 防水IPX5母座24P 板上双贴SMT |                   |
| <br>UNIT: mm [inch] |  | CHECKED BY:<br>马跃  |  | DATE :<br>2014-02-23 |  | PART NO.                                     | HYC407-USBC24-864 |
|                                                                                                          |  | APPROVED BY:<br>邱敏 |  | DATE :<br>2014-02-23 |  | MOLD NO.                                     |                   |
| SCALE:1:1                                                                                                |  | SIZE: A4           |  | DRAW NO:             |  | HYC-2212190940                               |                   |
|                                                                                                          |  |                    |  | SHEET NO.            |  | 1 OF 1                                       |                   |

RECOMMENDED PCB LAYOUT  
(Tolerance=±0.05)SECTION A-A  
PANEL CUT-OUT REFERENCE

Front&amp;Back Laser point 2X5



说明:

1. Colplanarity: 0.08最大红外线前。 , 0.10mm MAX
2. 舌PIN的位置:IR前 : 0.08mm MAX; IR 后0.12mm MAX;
3. P/N:
4. 包装方式 : 载带包装
5. 接触区和焊接区无毛刺, 除特说明, 冲压毛刺为0.05mm MAX.
6. 未标注尺寸公差为依自由公差为准.
7. 成品端子平面度必须100%检测.
8. 成品可靠性测试要求参照规格书.
9. 产品满足 ROHS 2.0

|    |        |      |                                        |    |
|----|--------|------|----------------------------------------|----|
| 9  | 密封圈    | 1PCS | 硅胶, 依照客户需求                             |    |
| 8  | 胶水     | 1PCS | 环氧胶 黑色                                 |    |
| 7  | 外壳     | 1PCS | SUS304, T=0.15. 镀镍50u" MIN.            |    |
| 6  | 内拉伸壳   | 1PCS | SUS304, T=0.20.                        |    |
| 5  | EMI拉伸壳 | 1PCS | SUS304, T=0.12. 镀镍50u" MIN.            |    |
| 4  | 上排端子   | 1SET | C18400, T=0.12. 底层镀镍 50-100u", 功能接触区单面 |    |
| 3  | 下排端子   | 1SET | 刷镀 Au 3u", 焊接区双面镀金 G/F.                |    |
| 2  | 中板     | 1PCS | SUS301-1/4 H. 镀镍50u" MIN.              |    |
| 1  | 塑胶     | 1PCS | PA46 (HFX315) BLACK                    |    |
| 项目 | 组成部件   | 用量   | 材质/处理                                  | 备注 |



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TOLERANCE:

X.X ±0.30  
X.XX ±0.25  
X.XXX ±0.15

X.\* ±2" X.X\* ±0.5"



UNIT: mm [inch]

SCALE:1:1

DRAWN BY :

陈一鸣

DATE :

2014-02-23

CHECKED BY :

马跃

DATE :

2014-02-23

APPROVED BY :

邱敏

DATE :

2014-02-23

PART NAME:

USB TYPE C 防水IPX5母座24P 板上双贴SMT

PART NO.

HYC407-USBC24-864

MOLD NO.

DRAW NO:

HYC-2212190940

SHEET NO.

1 OF 1