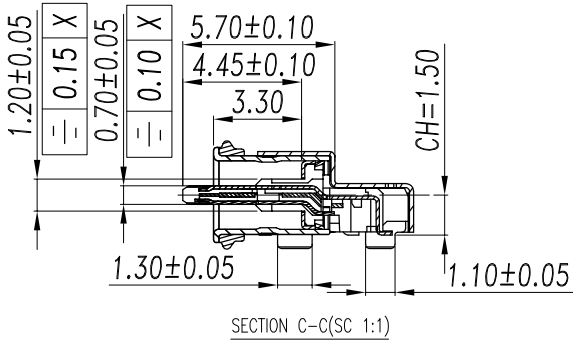
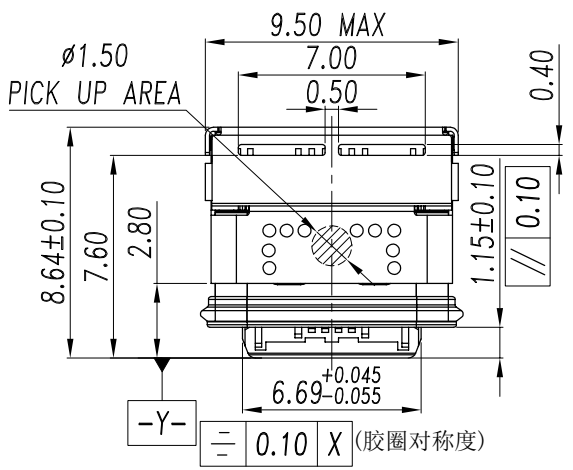
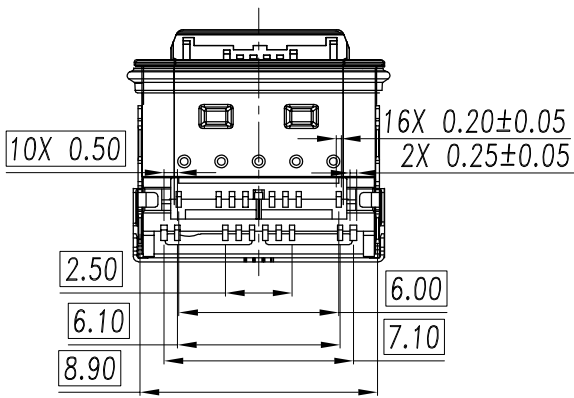
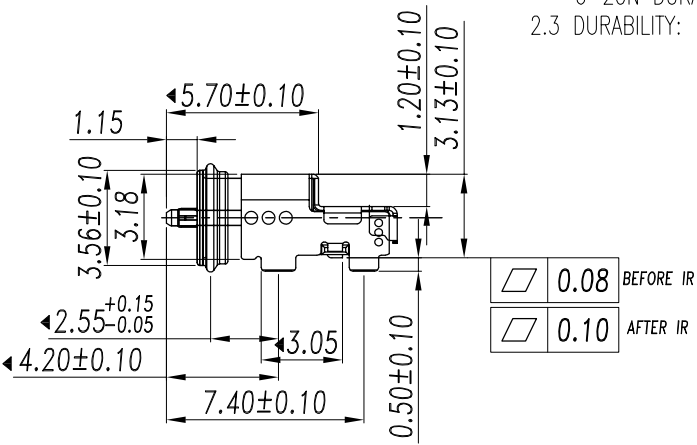
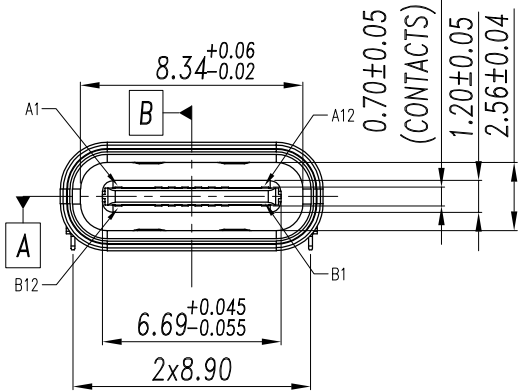


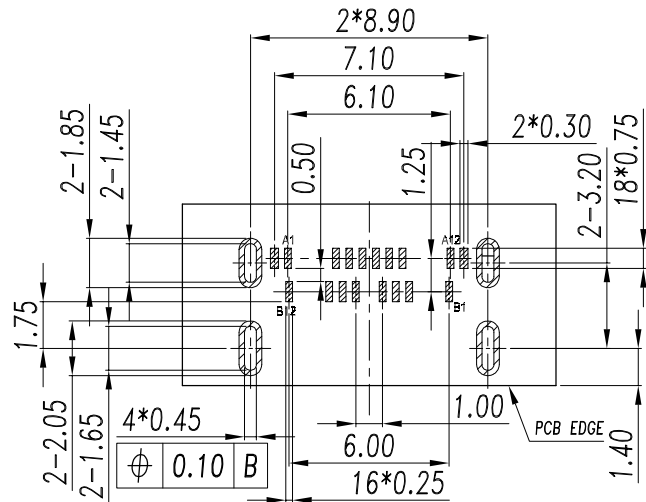


- 1.ELECTRICAL CHARACTERISTICS;
- 1.1 CONTACT RESISTANCE: 40mΩ Max FOR INITIAL. 10mΩ CHANGE AFTER TEST. MEASURE AT 20mV, 100mA.
  - 1.2 CONTACT CURRENT RATING: 5A FOR COLLECTIVELY POWER SUPPLY PIN(PINA1,A4,A9,A12,B1,B4,B9,B12); 1.25A FOR VCONN PIN; 0.25A FOR OTHER SIGNAL PIN.
  - 1.3 DIELECTRIC WITHSTANDING VOLTAGE: 300V AC R.M.S.
  - 1.4 INSULATION RESISTANCE 100MΩ Min
  - 1.5 OPERATING TEMPERATURE: -40°C ~ 85°C
- 2 MECHANICAL CHARACTERISTICS:
- 2.1 MATING FORCE: 5~20 N.
  - 2.2 UNMATED FORCE: 8~20N INITIAL TEST; 6~20N DURABILITY AFTER TEST
  - 2.3 DURABILITY: 10,000 CYCLES

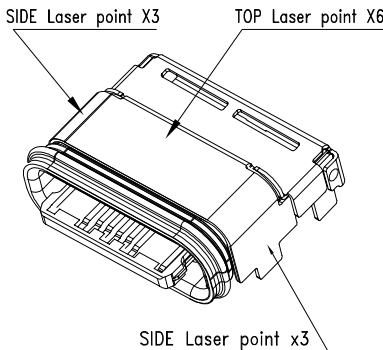


| Pin No    | Signal Name | Mating Sequence | Pin No    | Signal Name | Mating Sequence |
|-----------|-------------|-----------------|-----------|-------------|-----------------|
| A1        | GND         | First           | B12       | GND         | First           |
| A4        | Vbus        | First           | B9        | Vbus        | First           |
| A5        | CC1         | Second          | B8        | SBU2        | Second          |
| A6        | D+          | Second          | B7        | D-          | Second          |
| A7        | D-          | Second          | B6        | D+          | Second          |
| A8        | SBU1        | Second          | B5        | CC2         | Second          |
| A9        | Vbus        | First           | B4        | Vbus        | First           |
| A12       | GND         | First           | B1        | GND         | First           |
|           |             |                 |           |             |                 |
|           |             |                 |           |             |                 |
| SHELL GND |             |                 | SHELL GND |             |                 |

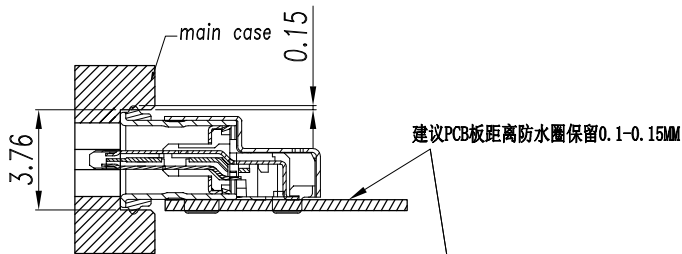
|                                                                                                                                                                                                                                                             |  |  |  |  |  |                    |  |          |  |             |  |                                                                                                                                                                             |  |                                                                                                                                           |  |    |  |       |  |        |  |      |  |   |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--------------------|--|----------|--|-------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------|--|----|--|-------|--|--------|--|------|--|---|--|
| <div><div><div>2.50</div><div>6.10</div><div>8.90</div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div>6.00</div><div>7.10</div></div></div> |  |  |  |  |  | GENERAL TOLERANCES |  | UNIT     |  | mm          |  |   |  |  杰康富精密电子有限公司<br>J K F precision Electronics Co., LTD |  |    |  |       |  |        |  |      |  |   |  |
|                                                                                                                                                                                                                                                             |  |  |  |  |  | DISTANCE           |  | X.       |  | SEE NOTES   |  |                                                                                                                                                                             |  |                                                                                                                                           |  |    |  |       |  |        |  |      |  |   |  |
|                                                                                                                                                                                                                                                             |  |  |  |  |  |                    |  | .X       |  | SEE NOTES   |  |                                                                                                                                                                             |  |                                                                                                                                           |  |    |  |       |  |        |  |      |  |   |  |
|                                                                                                                                                                                                                                                             |  |  |  |  |  |                    |  | .XX      |  |             |  |                                                                                                                                                                             |  |                                                                                                                                           |  |    |  |       |  |        |  |      |  |   |  |
|                                                                                                                                                                                                                                                             |  |  |  |  |  |                    |  | .XXX     |  |             |  |                                                                                                                                                                             |  |                                                                                                                                           |  |    |  |       |  |        |  |      |  |   |  |
|                                                                                                                                                                                                                                                             |  |  |  |  |  |                    |  |          |  |             |  |                                                                                                                                                                             |  |                                                                                                                                           |  |    |  |       |  |        |  |      |  |   |  |
|                                                                                                                                                                                                                                                             |  |  |  |  |  | ANGLE              |  | X.       |  | TITLE:      |  | TYPE C/F 16PIN 板上双贴 SMT 防水IPX8                                                                                                                                              |  |                                                                                                                                           |  |    |  |       |  |        |  |      |  |   |  |
|                                                                                                                                                                                                                                                             |  |  |  |  |  |                    |  | .X       |  | PART NO.    |  | JK-US4016AGB00205R                                                                                                                                                          |  |                                                                                                                                           |  |    |  |       |  |        |  |      |  |   |  |
|                                                                                                                                                                                                                                                             |  |  |  |  |  |                    |  | .XX      |  |             |  |                                                                                                                                                                             |  |                                                                                                                                           |  |    |  |       |  |        |  |      |  |   |  |
|                                                                                                                                                                                                                                                             |  |  |  |  |  |                    |  |          |  |             |  |                                                                                                                                                                             |  |                                                                                                                                           |  |    |  |       |  |        |  |      |  |   |  |
|                                                                                                                                                                                                                                                             |  |  |  |  |  |                    |  |          |  |             |  |                                                                                                                                                                             |  |                                                                                                                                           |  |    |  |       |  |        |  |      |  |   |  |
|                                                                                                                                                                                                                                                             |  |  |  |  |  | X.                 |  | FAND     |  | DRAWING NO. |  |                                                                                                                                                                             |  |                                                                                                                                           |  |    |  |       |  |        |  |      |  |   |  |
|                                                                                                                                                                                                                                                             |  |  |  |  |  | .X                 |  | Wang Yan |  | SCALE       |  | 1:1                                                                                                                                                                         |  | SIZE                                                                                                                                      |  | A4 |  | SHEET |  | 1 OF 3 |  | REV. |  | A |  |
|                                                                                                                                                                                                                                                             |  |  |  |  |  | .XX                |  |          |  |             |  |                                                                                                                                                                             |  |                                                                                                                                           |  |    |  |       |  |        |  |      |  |   |  |



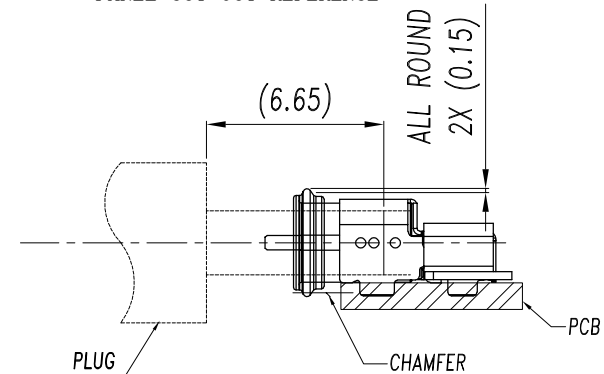
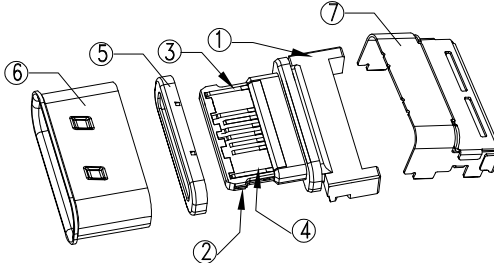
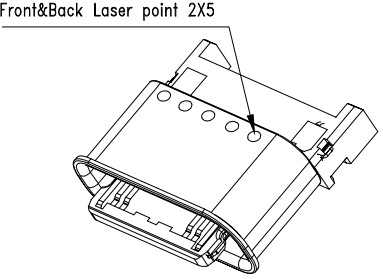
RECOMMENDED PCB LAYOUT  
(Tolerance=±0.05)



- 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



SECTION A-A  
PANEL CUT-OUT REFERENCE



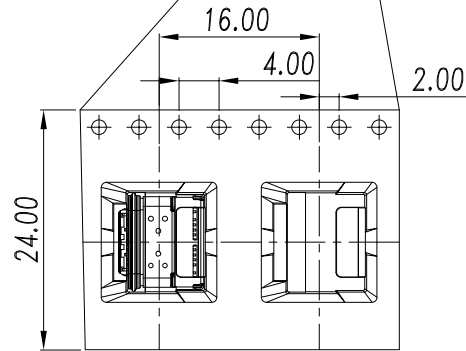
|    |        |      |                                        |    |
|----|--------|------|----------------------------------------|----|
| 7  | 外壳     | 1PCS | SUS304 , T=0.15. 镀镍50u" MIN.           |    |
| 6  | 内拉伸壳   | 1PCS | SUS304, T=0.20.                        |    |
| 5  | EMI拉伸壳 | 1PCS | SUS304 , 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 15u", 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 BLACK                             |    |
| 项目 | 组成部件   | 用量   | 材质/处理                                  | 备注 |

| GENERAL TOLERANCES |      | UNIT  | mm |          |           |
|--------------------|------|-------|----|----------|-----------|
| DISTANCE           | X.   | ±0.25 |    | MATERIAL | SEE NOTES |
|                    | .X   | ±0.20 |    | FINISHED | SEE NOTES |
|                    | .XX  | ±0.15 |    | APPROCD  | KATE DENG |
|                    | .XXX | ±0.10 |    | CHECKED  | KATE DENG |
| ANGLE              | X.   | ±3.0° |    | DESIGN   | FAND      |
|                    | .X   | ±2.0° |    | DRAWN    | Wang Yan  |
|                    | .XX  | ±1.0° |    |          |           |

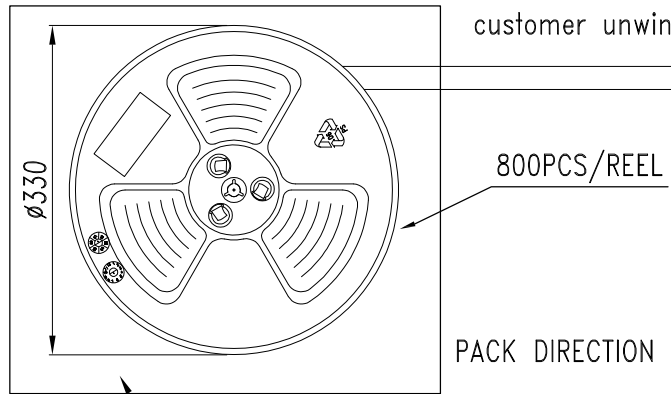
|                                      |                                |
|--------------------------------------|--------------------------------|
| 杰康富精密电子有限公司                          |                                |
| J K F precision Electronics Co., LTD |                                |
| TITLE:                               | TYPE C/F 16PIN 板上双贴 SMT 防水IPX8 |
| PART NO.                             | JK-US4016AGB00205R             |
| DRAWING NO.                          |                                |
| SCALE                                | 1:1                            |
| SIZE                                 | A4                             |
| SHEET                                | 2 OF 3                         |
| REV.                                 | A                              |

| REV. | ECN NO. | DESCRIPTION | DRAW/DATE | CHECKED | APPROVED |
|------|---------|-------------|-----------|---------|----------|
|      |         |             |           |         |          |

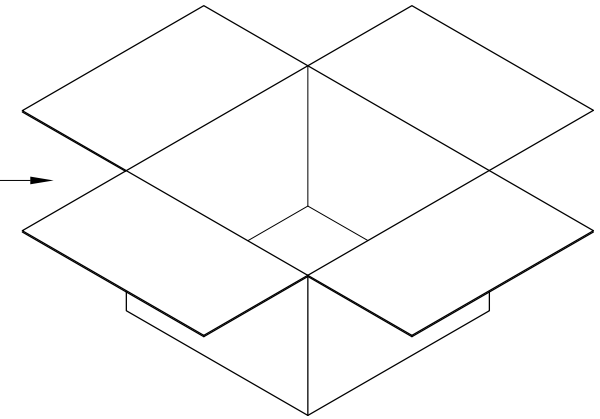
20 PCS Empty      800 PCS PRODUCTS      20 PCS Empty



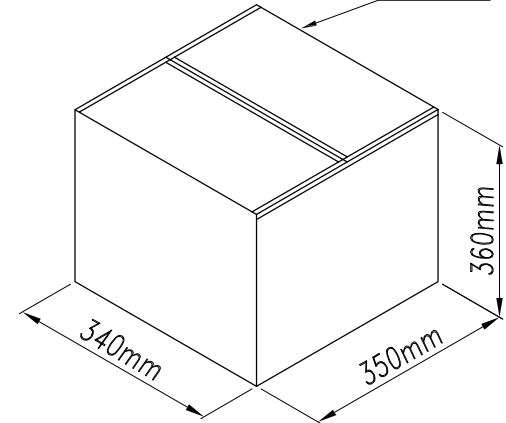
customer unwinding direction



普通防水袋包装



8800PCS



外包装箱规格

|                 | REEL | CARTON |
|-----------------|------|--------|
| CONNECTOR (PCS) | 800  | 8800   |

| GENERAL TOLERANCES |      | UNIT  | mm |   |           |  杰康富精密电子有限公司<br>J K F precision Electronics Co., LTD |                                |          |      |                    |       |        |      |   |  |
|--------------------|------|-------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------|------|--------------------|-------|--------|------|---|--|
| DISTANCE           | X.   | ±0.25 |    | SEE NOTES                                                                                                                                                                   |           | TITLE:                                                                                                                                    | TYPE C/F 16PIN 板上双贴 SMT 防水IPX8 |          |      |                    |       |        |      |   |  |
|                    | .X   | ±0.20 |    | FINISHED                                                                                                                                                                    |           |                                                                                                                                           |                                |          |      |                    |       |        |      |   |  |
|                    | .XX  | ±0.15 |    | APPROCED                                                                                                                                                                    | KATE DENG |                                                                                                                                           |                                |          |      |                    |       |        |      |   |  |
|                    | .XXX | ±0.10 |    | CHECKED                                                                                                                                                                     | KATE DENG |                                                                                                                                           |                                | PART NO. |      | JK-US4016AGB00205R |       |        |      |   |  |
| ANGLE              | X.   | ±3.0° |    | DESIGN                                                                                                                                                                      | FAND      |                                                                                                                                           | DRAWING NO.                    |          |      |                    |       |        |      |   |  |
|                    | .X   | ±2.0° |    | DRAWN                                                                                                                                                                       | Wang Yan  |                                                                                                                                           | SCALE                          | 1:1      | SIZE | A4                 | SHEET | 3 OF 3 | REV. | A |  |
|                    | .XX  | ±1.0° |    |                                                                                                                                                                             |           |                                                                                                                                           |                                |          |      |                    |       |        |      |   |  |

| REV. | ECN NO. | DESCRIPTION | DRAW/DATE | CHECKED | APPROVED |
|------|---------|-------------|-----------|---------|----------|
|------|---------|-------------|-----------|---------|----------|