

## Notes:

1.ELECTICAL characteristics:

1-1.Dielectric withstance:500V AC/1minute.

1-2.Current rating:

Vbus and GND contact:≥1.25A/pin,Paralleled for a total of 5A Min

Other contacts:≥0.25A/pin

1-3.Initial LLCR 40mΩ max,after test ±10mΩ max:

40mΩ MAX.FOR VBUS,GND AND OTHE CONTACTS, 50mΩ MAX.FINAL AFTER TEST.

1-4.Insulation Resistance:1000MΩ Min

2: Mechanical characteristics

2-1 Insert force:5~20N MAX.

Withdraw force:8~20N,after test:6~20N

2-2 Durability:10000 cycles min

2-3 Laser point:Height&lt;0.05mm,Pulling force&gt;50N

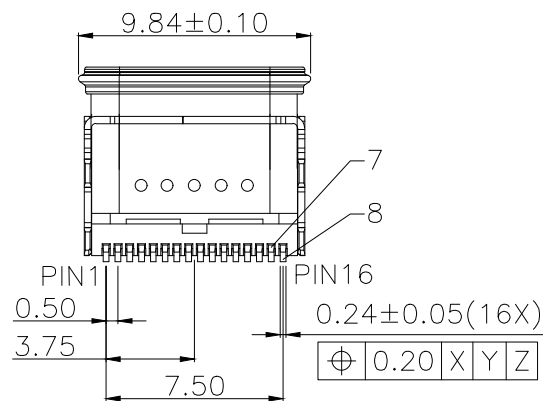
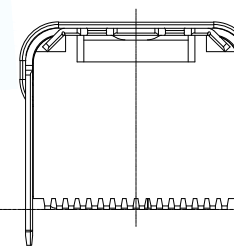
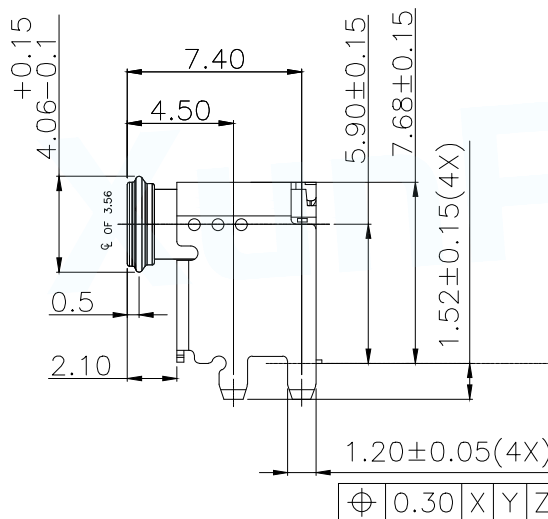
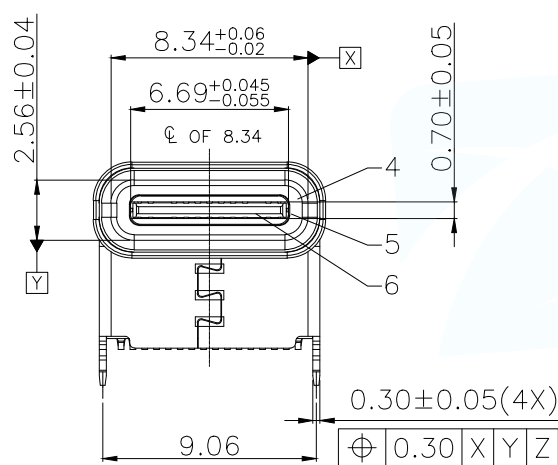
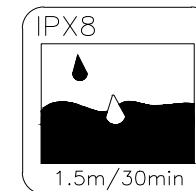
3: Envirmention characteristics

3-1 Opreating temperature:-40~+85℃

3-2 Salty spray:48hours(EIA-364-26B-B)

4. Burr:0.05MM MAX.

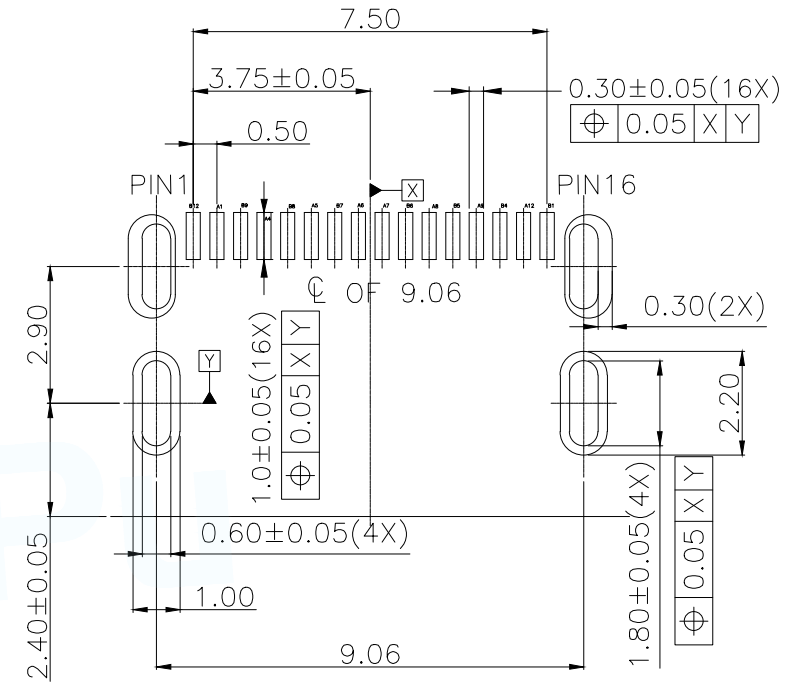
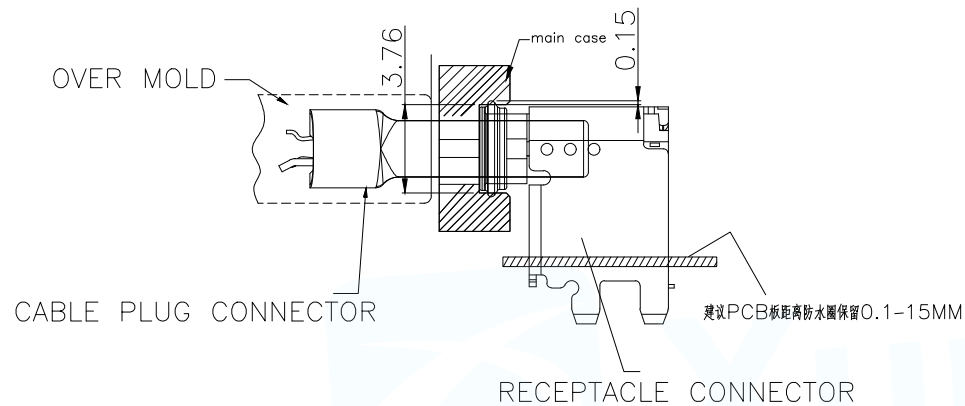
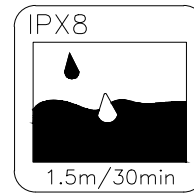
5. Tape and reel packing satisfy EIA-364-481 standard



|    |    |      |               |      |
|----|----|------|---------------|------|
| ⑧  | 1  | 下端子  | 铜合金C7025 TM03 | 镀金3U |
| ⑦  | 1  | 上端子  | 铜合金C7025 TM03 | 镀金3U |
| ⑥  | 1  | I/M  | LCP E130I     | /    |
| ⑤  | 1  | 中隔板  | 不锈钢SUS301     | 水洗   |
| ④  | 1  | EMI  | 不锈钢SUS304     | 水洗   |
| ③  | 1  | 内铁壳  | 不锈钢SUS304     | 水洗   |
| ②  | 1  | 密封圈  | 液态硅胶成型黑色      | /    |
| ①  | 1  | 外铁壳  | 不锈钢304        | 镀镍   |
| 序号 | 数量 | 零件名称 | 材料            | 镀层   |



|                                       |         |                                                                                                                                           |                                         |
|---------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| MANUFACTURE DWG                       |         |  东莞市讯普电子科技有限公司<br>DongGuan XunPu Electronics Co.,Ltd |                                         |
| UNLESS OTHERWISE SPECIFIED TOLERANCES |         |                                                      | TITLE: CH5.90 TYPE-C<br>母座16P板上一体防水LIM款 |
| DECIMALS:                             | ANGLES: |                                                                                                                                           | PAR TYPE-C-604-WSRX8H590                |
| .X:±0.30                              | X':±10° |                                                                                                                                           | DWN                                     |
| .XX:±0.20                             | .X':±8° |                                                                                                                                           | CHKD                                    |
| .XXX:±0.10                            |         | CUSTOMER COPY                                                                                                                             |                                         |
|                                       |         | SCALE1:1                                                                                                                                  | UNIT:MM                                 |
|                                       |         | SIZE:A4                                                                                                                                   | SHEET:1F1                               |
|                                       |         |                                                                                                                                           | REV:A                                   |

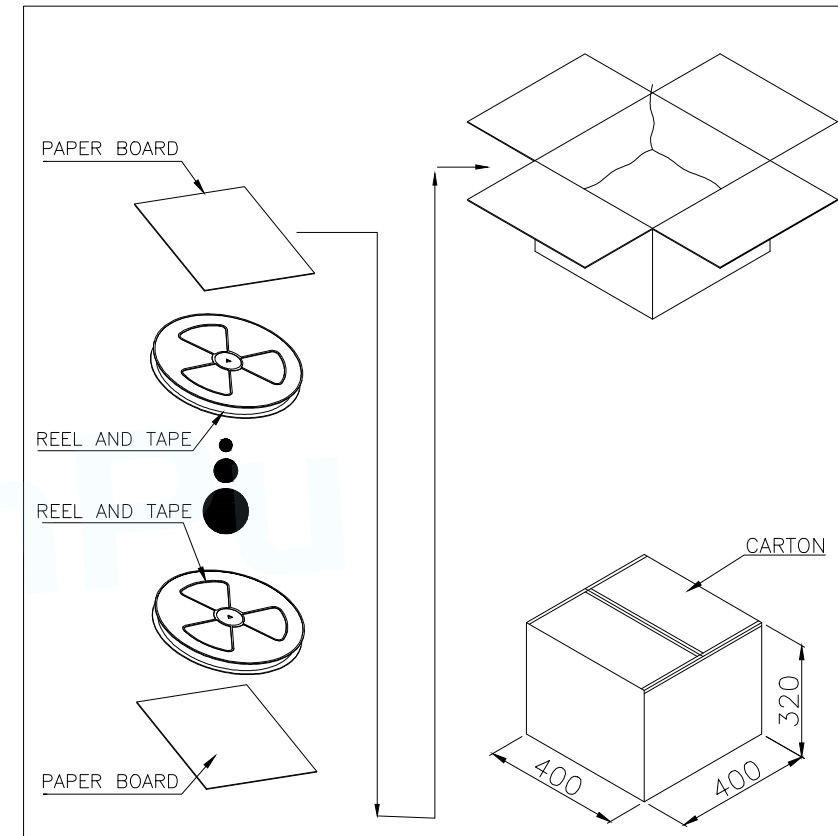
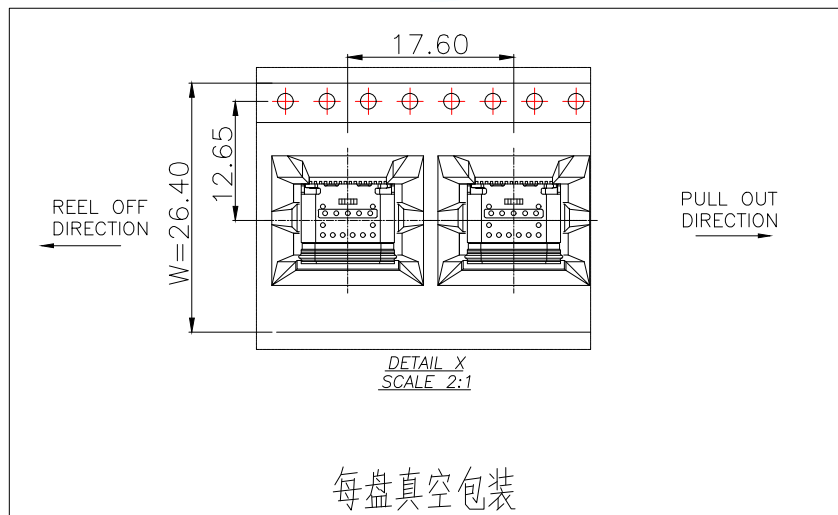
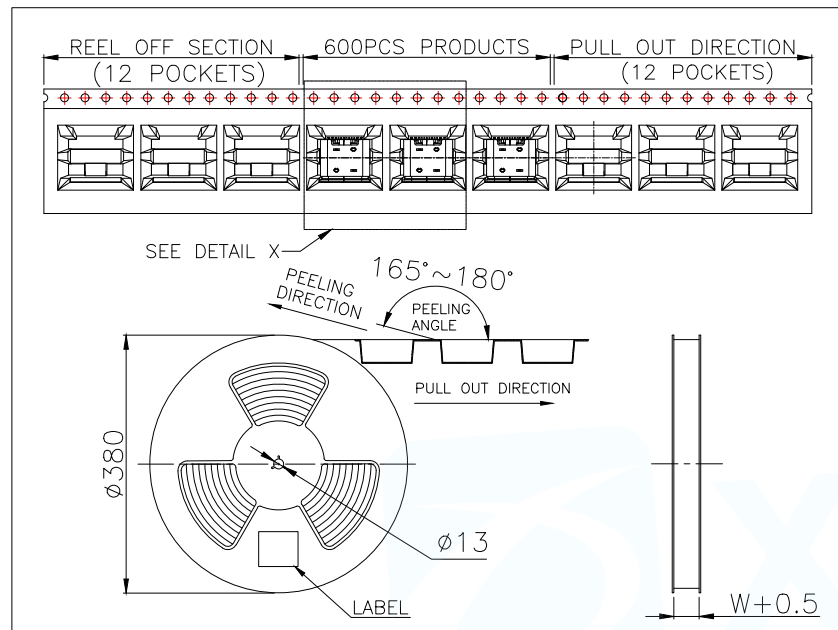


RECOMMENDED PCB LAYOUT(TOP VIEW)

PCB THICKNESS 1.72±0.05MM

| Pin | Signal | Description | Mating Sequence | Description                                               | Signal | Pin |
|-----|--------|-------------|-----------------|-----------------------------------------------------------|--------|-----|
| 2   | A1     | GND         | First           | Ground return                                             | GND    | B12 |
| /   | A2     | TX1+        | Second          | /                                                         | RX1+   | B11 |
| /   | A3     | TX1-        | Second          | /                                                         | RX1-   | B10 |
| 4   | A4     | VBUS        | First           | Bus Power                                                 | VBUS   | B9  |
| 6   | A5     | CC1         | Second          | Sideband Use(SBU)                                         | SBU2   | B8  |
| 8   | A6     | D+          | Second          | Negative half of the USB 2.0 differential pair-Position 2 | D-     | B7  |
| 9   | A7     | D-          | Second          | Positive half of the USB 2.0 differential pair-Position 2 | D+     | B6  |
| 11  | A8     | SBU1        | Second          | Configuration Channel                                     | CC2    | B5  |
| 13  | A9     | VBUS        | First           | Bus Power                                                 | VBUS   | B4  |
| /   | A10    | RX2-        | Second          | /                                                         | TX2-   | B3  |
| /   | A11    | RX2+        | Second          | /                                                         | TX2+   | B2  |
| 15  | A12    | GND         | First           | Ground return                                             | GND    | B1  |

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|---------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| UNLESS OTHERWISE SPECIFIED TOLERANCES |         |                                                      | TITLE: CH5.90 TYPE-C<br>母座16P板上一体防水LIM款 |
|                                       |         |                                                                                                                                           | PAR TYPE-C-604-WSRX8H590                |
| DECIMALS:                             | ANGLES: |                                                                                                                                           | DWN                                     |
| .X:±0.30                              | X':±10° |                                                                                                                                           | CHKD                                    |
| .XX:±0.20                             | .X':±8° |                                                                                                                                           | APVD                                    |
| .XXX:±0.10                            |         |                                                                                                                                           | SCALE1:1                                |
| CUSTOMER COPY                         |         | SIZE:A4                                                                                                                                   | UNIT:MM                                 |
|                                       |         | SHEET:1F1                                                                                                                                 | REV:A                                   |



|                 | REEL | CARTON |
|-----------------|------|--------|
| CONNECTOR (PCS) | 600  | 6000   |

|                                       |          |                                                                                                                                           |                      |
|---------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| MANUFACTURE DWG                       |          |  东莞市讯普电子科技有限公司<br>DongGuan XunPu Electronics Co.,Ltd |                      |
| UNLESS OTHERWISE SPECIFIED TOLERANCES |          | TITLE: USB C F 16PIN<br>SMT CH=5.9 横向包装规范                                                                                                 |                      |
| DECIMALS:                             | ANGLES:  | PAR                                                                                                                                       | TYPE-C-604-WSRX8H590 |
| .X:±0.30                              | X.°:±10° | DWN                                                                                                                                       |                      |
| .XX:±0.20                             | .X.°:±8° | CHKD                                                                                                                                      |                      |
| .XXX:±0.10                            |          | APVD                                                                                                                                      |                      |
| CUSTOMER COPY                         |          | SCALE 1:1                                                                                                                                 | UNIT:MM              |
|                                       |          | SIZE:A4                                                                                                                                   | SHEET:1F1            |
|                                       |          |                                                                                                                                           | REV:A                |