

RoHS Compliant

REVISIONS

| REV. | DESCRIPTION | DATE | DESIGN |
|------|-------------|------|--------|
|      |             |      |        |

NOTES:

1. MATERIAL: SEE TABLE
2. FINISH: SEE TABLE
3. ELECTRICAL CHARACTERISTICS:
  - 3.1 CONTACT RESISTANCE: 40mΩ Max FOR INITIAL, 10mΩ CHANGE AFTER TEST. MEASURE AT 20mV, 100mA.
  - 3.2 CONTACT CURRENT RATING: 5A FOR VBUS PIN; 1.25A FOR VCONN PIN.
  - 3.3 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC R.M.S.
  - 3.4 INSULATION RESISTANCE 100MΩ Min
  - 3.5 OPERATING TEMPERATURE: -30°C ~ 85°C
4. MECHANICAL CHARACTERISTICS:
  - 4.1 MATING FORCE: 5~20 N.
  - 4.2 UNMATED FORCE: 6~20N AFTER TEST
  - 4.3 DURABILITY: 10,000 CYCLES

RECOMMENDED PCB LAYOUT(TOP VIEW)  
THICKNESS 1.50MM; DEFAULT TOLERANCE: ±0.025

| A1  | A2   | A3   | A4   | A5   | A6 | A7 | A8   | A9   | A10  | A11  | A12 |
|-----|------|------|------|------|----|----|------|------|------|------|-----|
| GND | TX1+ | TX1- | Vbus | CC1  | D+ | D- | SBU1 | Vbus | RX2- | RX2+ | GND |
| GND | RX1+ | RX1- | Vbus | SBU2 | D- | D+ | CC1  | Vbus | TX2- | TX2+ | GND |
| B12 | B11  | B10  | B9   | B8   | B7 | B6 | B5   | B4   | B3   | B2   | B1  |

PART NO. INFORMATION

U06-C F X X 5 R - 103

|                                                               |                                                                         |
|---------------------------------------------------------------|-------------------------------------------------------------------------|
| PORT TYPE:<br>C: TYPE C                                       | PACKAGE<br>R: TAPE REEL                                                 |
| GENDER:<br>F: FEMALE<br>M: MALE                               | HOUSING COLOR<br>2: WHITE<br>5: BLACK<br>9: NATURE                      |
| CONTACT PLATED:<br>1: GOLD 10"<br>2: GOLD 30"<br>6: GOLD 300" | HOUSING MATERIAL<br>A: LCP B: PBT<br>C: PA9T D: PA6T<br>E: PA46 F: PA66 |

|           |     |                          |                          |                          |      |
|-----------|-----|--------------------------|--------------------------|--------------------------|------|
| SEE TABLE | 8   | MIDDLE CLIP              | Clean                    | SUS301R-H T=0.15mm       | 1PCS |
|           | 7   | SHELL                    | Ni: 50u"min              | SUS304 1/2H T=0.30mm     | 1PCS |
|           | 6   | INNER SHELL              | Ni: 50u"min              | SUS304 1/2H T=0.30mm     | 1PCS |
|           | 5   | 12pin Contact(Top row)   | Ni: 30u"Min, Au: 1~30u"  | C7025 T=0.12mm           | 1SET |
|           | 4   | 12pin Contact(Lower row) | Ni: 30u"Min, Au: 1~30u"  | C7025 T=0.12mm           | 1SET |
|           | 3   | 12pin Insertmold-(1)     | HIGH TEMPERATURE PLASTIC | HIGH TEMPERATURE PLASTIC | 1PCS |
|           | 2   | 12pin Insertmold-(2)     | HIGH TEMPERATURE PLASTIC | HIGH TEMPERATURE PLASTIC | 1PCS |
|           | 1   | Insertmold housing       | HIGH TEMPERATURE PLASTIC | HIGH TEMPERATURE PLASTIC | 1PCS |
| PART NO.  | NO. | DESCRIPTION              | FINISH/COLOR             | MATERIAL                 | QTY  |

Bestcreate Technology Limited

TOLERANCES UNLESS OTHERWISE SPECIFIED:

|     |        |       |      |
|-----|--------|-------|------|
| X.  | ± 0.38 | X.*   | ± 3* |
| .X  | ± 0.25 | .X.*  | ± 2* |
| .XX | ± 0.13 | .XX.* | ± 1* |

Website: www.bsc-elec.com

Email: bestcreate@bsc-elec.com

DESIGN:  
I.L

DATE:

CHECKED:

DATE:

APPROVED:  
C.W

DATE:

TITLE:

SIDE ENTRY USB TYPE-C FEMALE CONNECTOR 24P

MATERIAL:

PART NO:

U06-CFXX5R-103

SIZE:  
A4

FINISH:

DWG NO:

U06-CFXX5R-103

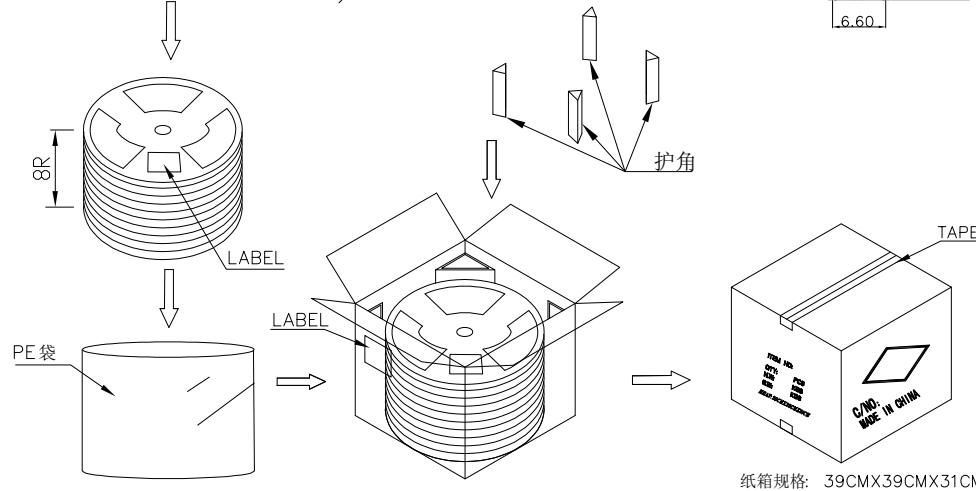
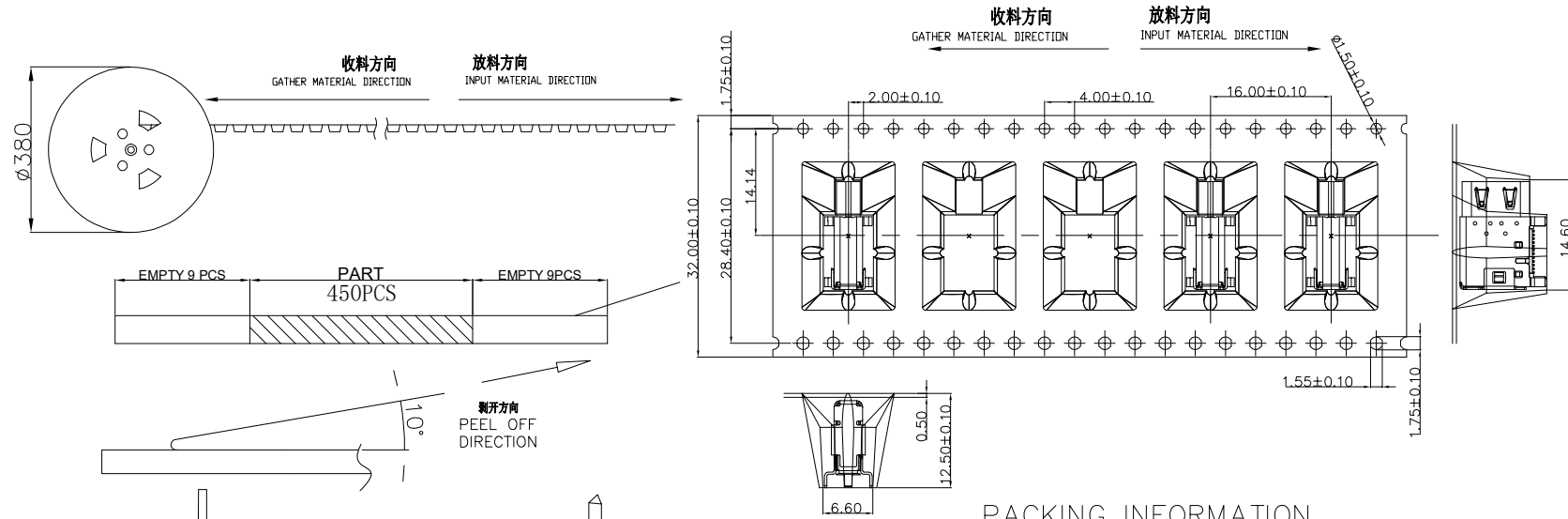
1 OF 2

|           |            |              |                    |
|-----------|------------|--------------|--------------------|
| REV:<br>A | UNIT<br>mm | SCALE<br>1=1 | QUALITY<br>SYMBOLS |
|-----------|------------|--------------|--------------------|

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PACKING INFORMATION

|                        |                      |
|------------------------|----------------------|
| PART NAME              |                      |
| QUANTITY OF PER REEL   | 450PCS/REEL          |
| QUANTITY OF PER CARTON | 8*450=3600PCS/CARTON |

1. 上带 剥离力为: 0.1~1.3N(10.2gf~130gf)  
PEELING OFF FORCE OF TOP TAPE: 0.1~1.3N(10.2gf~130gf)  
出货'运输过程中一定注意:  
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT:  
卷带在运输过程中不能散开  
PEELING OFF SHOULD NOT BE ALLOWED DURING TRANSPORTATION

|       |        |       |
|-------|--------|-------|
| 1.42g | 5.68kg | 7.0kg |
| 产品单重  | 净重     | 毛重    |

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|     |   |      |      |   |    |
|-----|---|------|------|---|----|
| X.  | ± | 0.38 | X.*  | ± | 3° |
| .X  | ± | 0.25 | .X*  | ± | 2° |
| .XX | ± | 0.13 | .XX* | ± | 1° |

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TITLE:

SIDE ENTRY USB TYPE-C FEMALE CONNECTOR 24P

MATERIAL:

PART NO:

U06-CFXX5R-103

SIZE:

A4

FINISH:

DWG NO:

U06-CFXX5R-103

2 OF 2

REV:  
A

UNIT  
mm

SCALE  
1=1

QUALITY  
SYMBOLS

