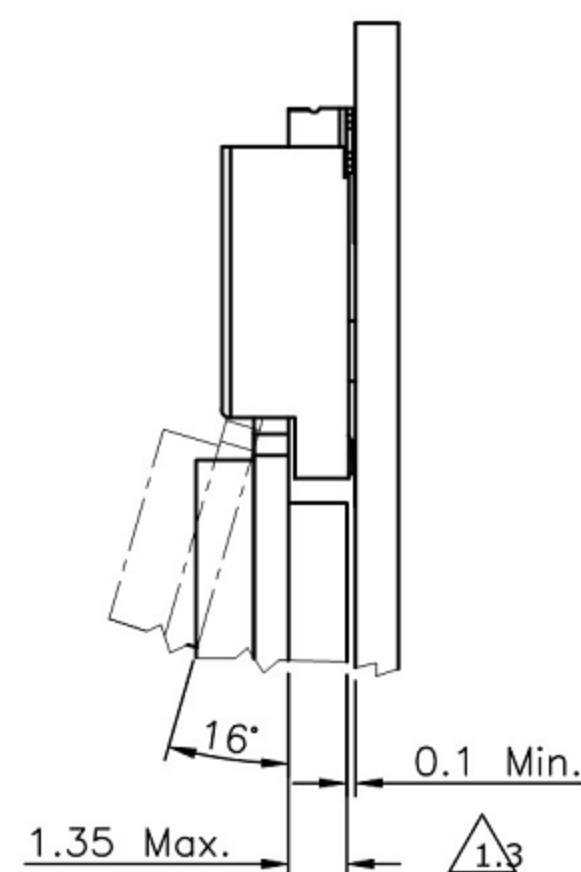
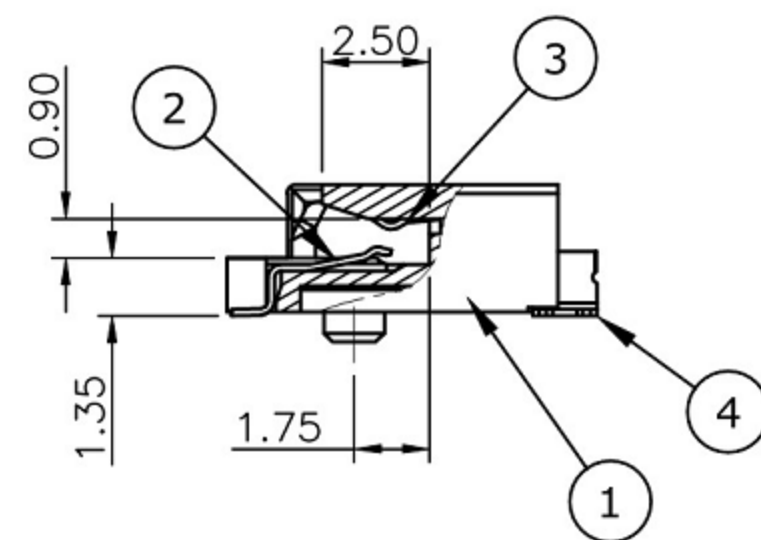
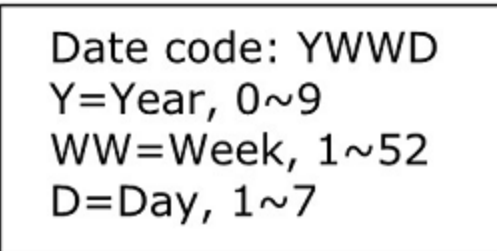


# ROHS



Recommended Layout (Top View)  
General Tolerance:  $\pm 0.05\text{mm}$

| REV. | DESCRIPTION                                        | DRAWN | DATE       |
|------|----------------------------------------------------|-------|------------|
| 1.1  | Add flatness tolerance                             | FROS  | 2019/08/07 |
| 1.2  | Corrected temperature to 85°C                      | FROS  | 2019/08/15 |
| 1.3  | Aadded M.2 module thickness & related space height | FROS  | 2019/08/29 |

**SPECIFICATION:**

## 1. ELECTRICAL

- 1.1 Current Rating: 0.5A per pin
- 1.2 Voltage Rating: 50VAC
- 1.3 Contact Resistance: 50mΩ
- 1.4 Insulation Resistance: 500MΩ
- 1.5 Dielectric Withstanding Voltage: 300VAC

## 2. MECHANICAL

- 2.1 Durability: 60 Cycle
- 2.2 Mating Force: 20N max.
- 2.3 Un-mating Force: 25N max.

### 1.2 3. ENVIRONMENTAL

- 3.1 Operating temperature range: -40°C~+85°C  
3.2 Storage temperature range: -40°C~+85°C

#### 4. SOLDER ABILITY

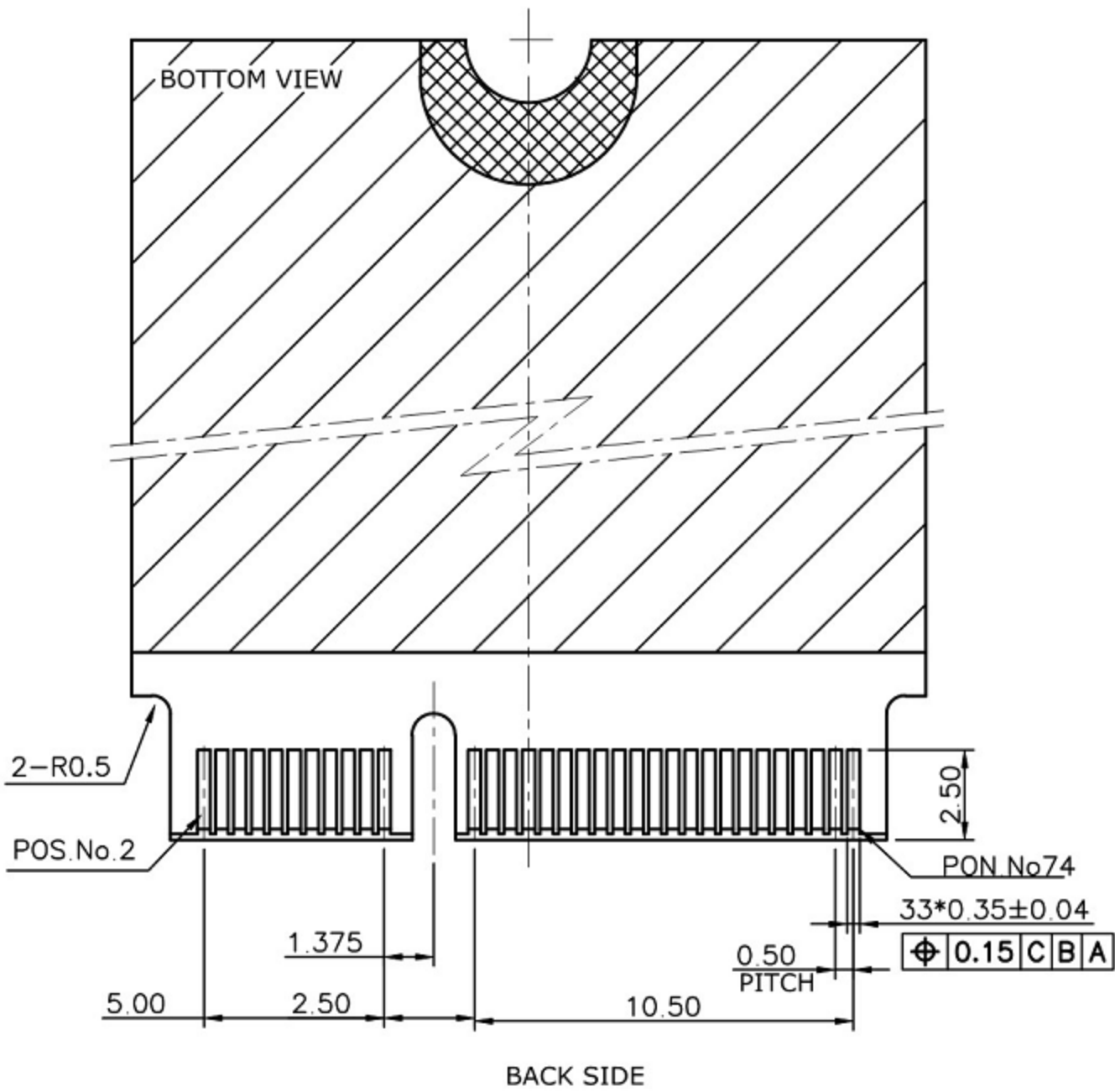
- 4.1 Recommended IR Reflow(Wave Soldering)  
Temperature: 260°C

|     |               |                                                                                                               |
|-----|---------------|---------------------------------------------------------------------------------------------------------------|
| 4   | HOLD DOWN     | BRASS, C2680R-H, 100u" Matte Tin plated, under-plated Nickel 50u"                                             |
| 3   | LOWER CONTACT | PHOSPHOR BRONZE, C5210R-EH<br>Contact area: Gold flash, Solder area: Gold flash, all under-plated Nickel 50u" |
| 2   | UPPER CONTACT |                                                                                                               |
| 1   | INSULATOR     | LCP, UL94V-0, BLACK                                                                                           |
| NO. | PART NAME     | DESCRIPTION                                                                                                   |

|     |         |                 |      |                 |                                                                                                                                               |       |           |                          |                         |            |           |
|-----|---------|-----------------|------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|--------------------------|-------------------------|------------|-----------|
| 8   |         |                 |      |                 | TOLERANCE<br>UNLESS SPECIFIED                                                                                                                 |       |           |                          |                         |            |           |
| 7   |         |                 |      |                 |                                                                                                                                               |       |           |                          |                         |            |           |
| 6   |         |                 |      |                 | WITHIN 1.5mm : ±0.1mm                                                                                                                         | A     | 2012-9-25 | 初 版                      |                         | ZENQ. CHEN |           |
| 5   |         |                 |      |                 | OVER 1.5mm : ±0.2mm                                                                                                                           | ISSUE | DATE      | DESCRIPTIONS OF REVISION |                         | APPD.      |           |
| 4   | CONTACT | SUS             | 1    | Ag CLAD         | TITLE : PCB卡插座                                                                                                                                |       |           | UNIT : mm                | DRWG NO.: XB-123A-30E00 |            |           |
| 3   | CASE    | PPA/BRASS SRTIP | 1    | BLACK/Ag PLATED | MODEL: PCB Card Socket                                                                                                                        |       |           | SCALE: 5:1               | DWN.                    | JUN. YANG  | 2012-9-25 |
| 2   | COVER   | STEEL STRIP     | 1    | Ni PLATED       |                                                                                                                                               |       |           |                          |                         |            |           |
| 1   | KNOB    | PPA             | 1    | BLACK           |  东莞市溪榜电子有限公司<br>DONG GUAN XI BANG ELECTRONI CS CO., LTD. |       |           | CHK'D                    | DONG. PANG              | 2012-9-25  |           |
| NO. | PARTS   | MATERIALS       | Q'TY | FINISH          |                                                                                                                                               |       |           | APPD.                    | ZENQ. CHEN              | 2012-9-25  |           |



# ROHS



| REV. | DESCRIPTION     | DRAWN | DATE       |
|------|-----------------|-------|------------|
| 1    | INITIAL RELEASE | FROS  | 2019/01/09 |
| 1.1  | Corrected       | FROS  | 2019/09/11 |

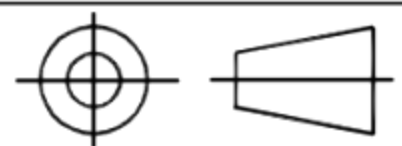
| Module Length (mm) |
|--------------------|
| 42                 |
| 60                 |
| 80                 |
| 110                |

KEY ID "E"

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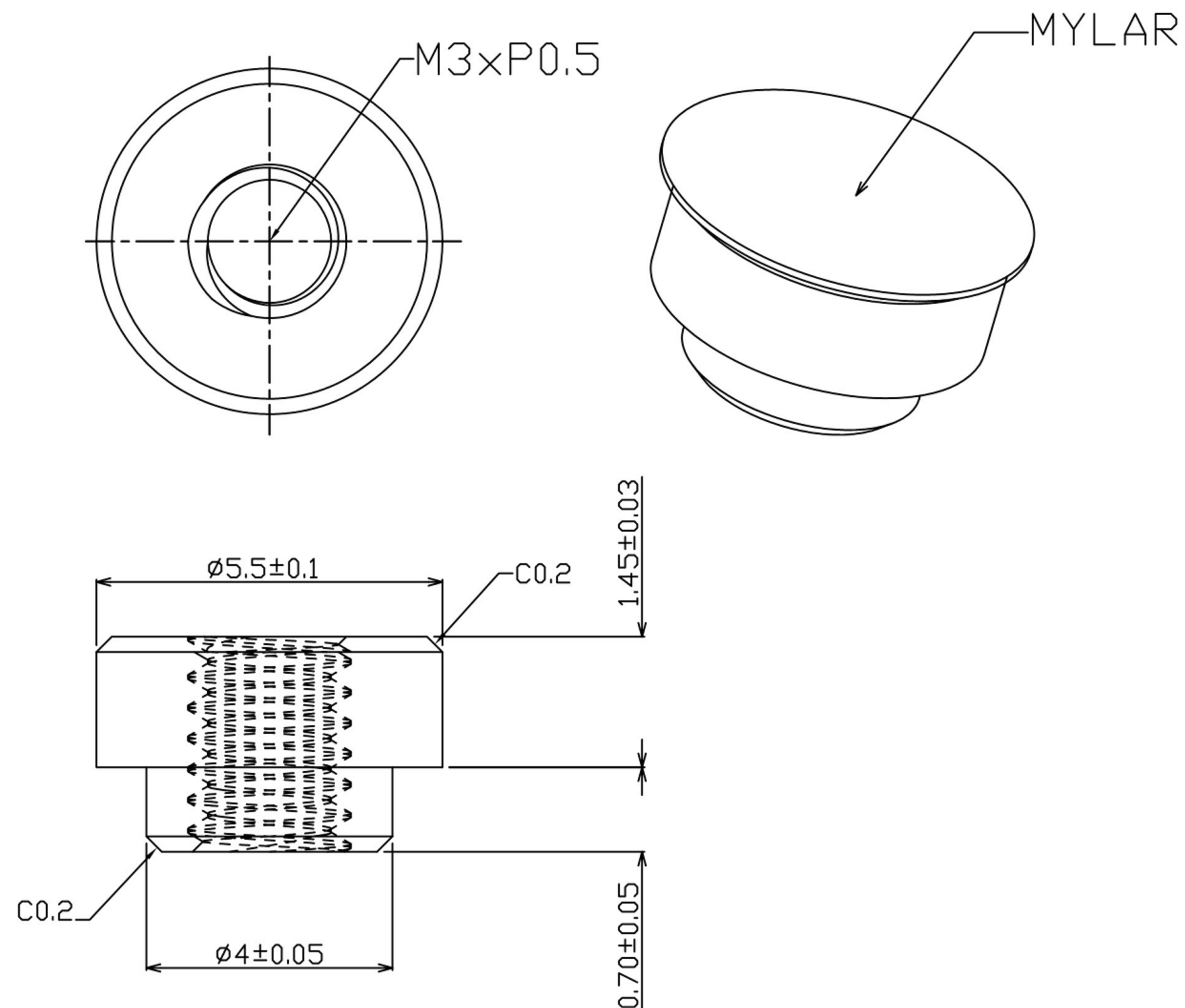
RECOMMENDED MODULE LAYOUT

|     |         |                 |      |                 |                                                                                                                                               |       |           |                          |                         |            |           |
|-----|---------|-----------------|------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|--------------------------|-------------------------|------------|-----------|
| 8   |         |                 |      |                 | TOLERANCE<br>UNLESS SPECIFIED                                                                                                                 |       |           |                          |                         |            |           |
| 7   |         |                 |      |                 |                                                                                                                                               |       |           |                          |                         |            |           |
| 6   |         |                 |      |                 | WITHIN 1.5mm : ±0.1mm                                                                                                                         | A     | 2012-9-25 | 初 版                      |                         | ZENQ. CHEN |           |
| 5   |         |                 |      |                 | OVER 1.5mm : ±0.2mm                                                                                                                           | ISSUE | DATE      | DESCRIPTIONS OF REVISION |                         | APPD.      |           |
| 4   | CONTACT | SUS             | 1    | Ag CLAD         | TITLE : PCB卡插座                                                                                                                                |       |           | UNIT : mm                | DRWG NO.: XB-123A-30E00 |            |           |
| 3   | CASE    | PPA/BRASS SRTIP | 1    | BLACK/Ag PLATED | MODEL: PCB Card Socket                                                                                                                        |       |           | SCALE: 5:1               | DWN.                    | JUN. YANG  | 2012-9-25 |
| 2   | COVER   | STEEL STRIP     | 1    | Ni PLATED       |  东莞市溪榜电子有限公司<br>DONG GUAN XI BANG ELECTRONI CS CO., LTD. |       |           | CHK'D                    | DONG. PANG              | 2012-9-25  |           |
| 1   | KNOB    | PPA             | 1    | BLACK           |                                                                                                                                               |       |           | APPD.                    | ZENQ. CHEN              | 2012-9-25  |           |
| NO. | PARTS   | MATERIALS       | Q'TY | FINISH          |                                                                                                                                               |       |           |                          |                         |            |           |



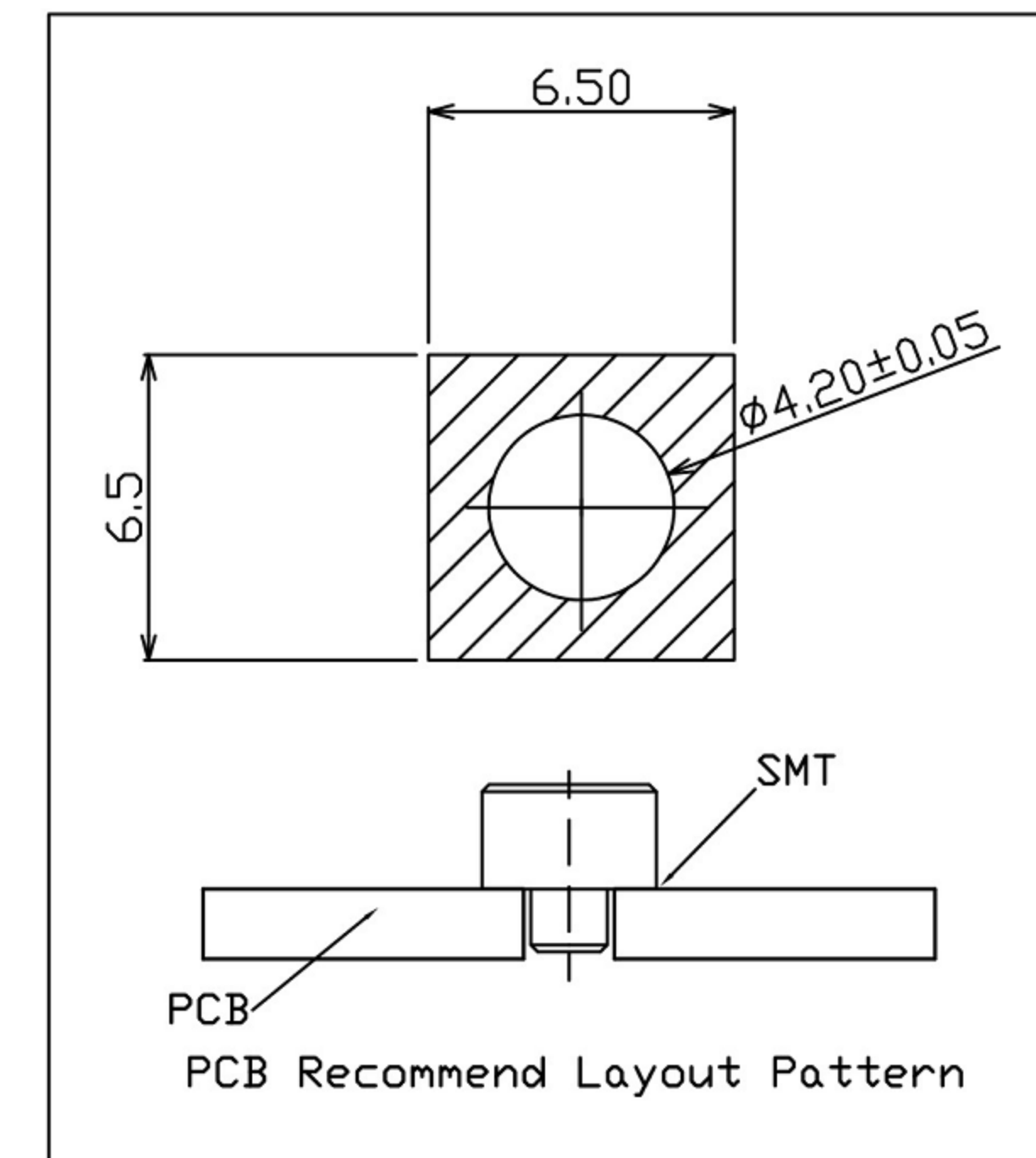
CAD FILE:

ROHS

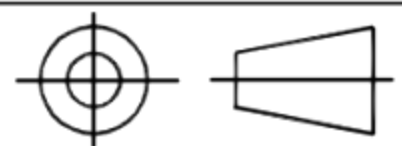


NOTE:

- 1.MATERIAL: Copper Alloy
- 2.Plating: Sn.

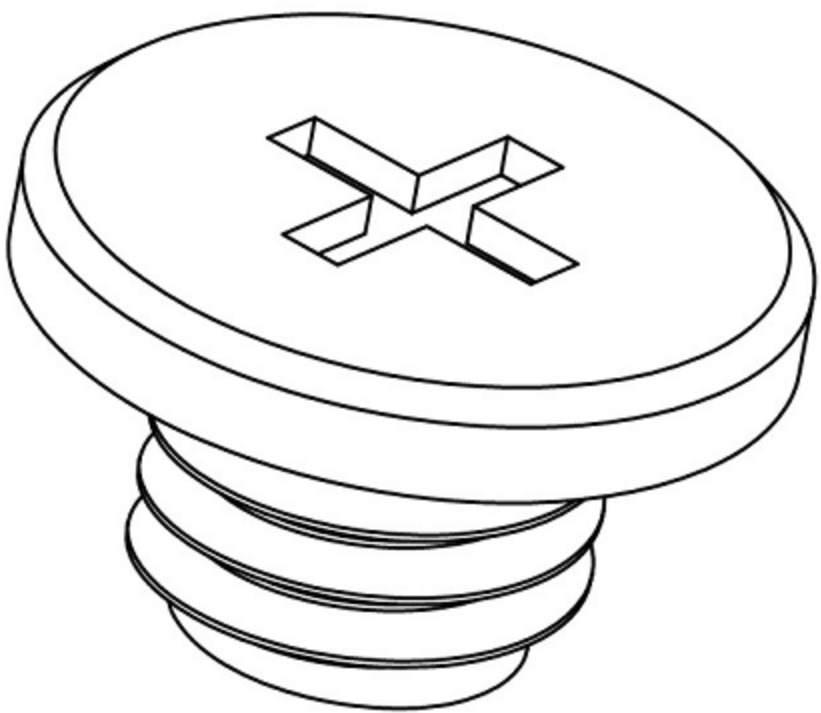
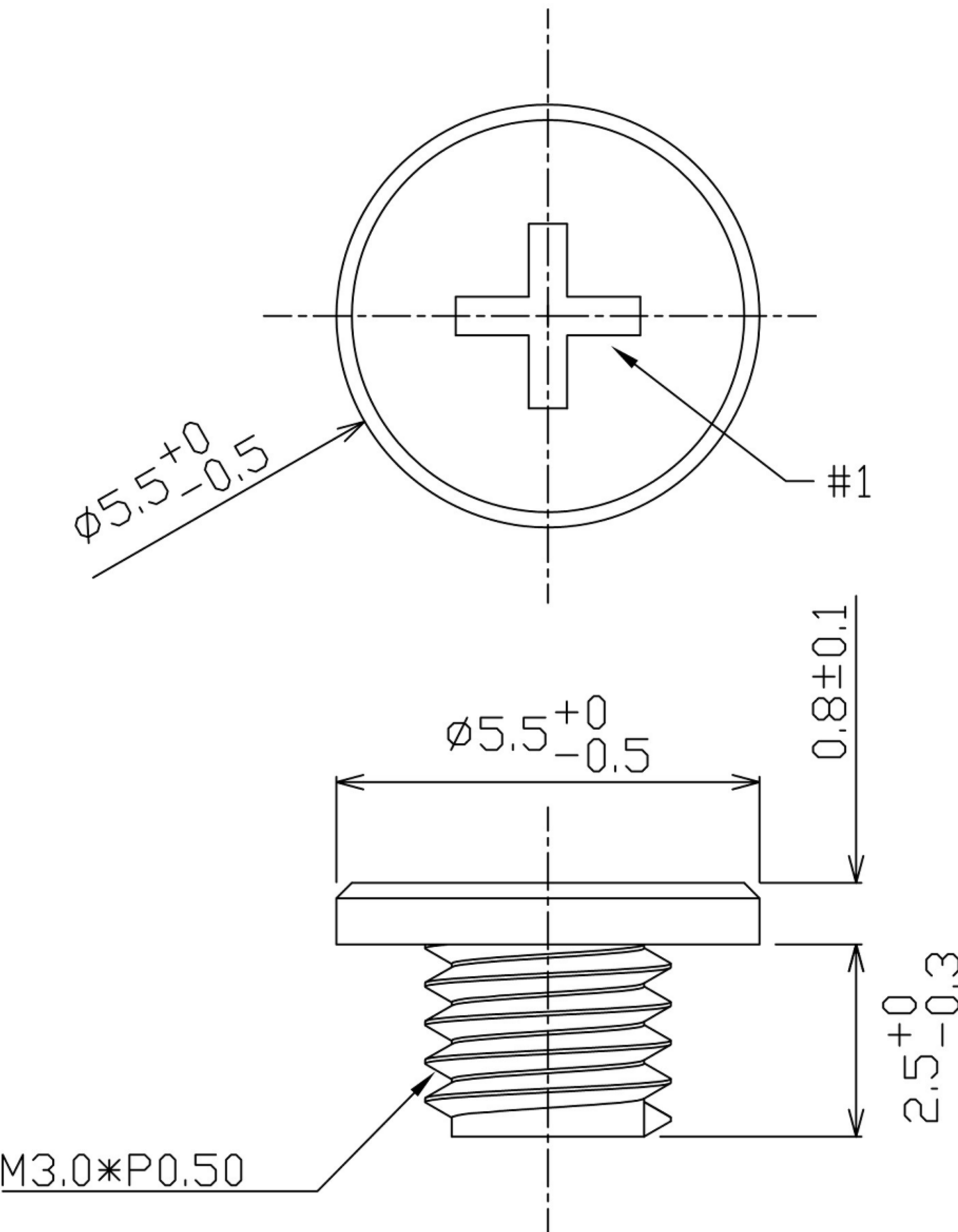


|     |         |                 |      |                 |                                                                                                                                               |       |           |                          |                          |
|-----|---------|-----------------|------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|--------------------------|--------------------------|
| 8   |         |                 |      |                 | TOLERANCE<br>UNLESS SPECIFIED                                                                                                                 |       |           |                          |                          |
| 7   |         |                 |      |                 |                                                                                                                                               |       |           |                          |                          |
| 6   |         |                 |      |                 | WITHIN 1.5mm : ±0.1mm<br>OVER 1.5mm : ±0.2mm                                                                                                  | A     | 2012-9-25 | 初 版                      | ZENQ. CHEN               |
| 5   |         |                 |      |                 |                                                                                                                                               | ISSUE | DATE      | DESCRIPTIONS OF REVISION | APPD.                    |
| 4   | CONTACT | SUS             | 1    | Ag CLAD         | TITLE : PCB卡插座                                                                                                                                |       |           | UNIT : mm                | DRWG NO.: XB-123A-30E00  |
| 3   | CASE    | PPA/BRASS SRTIP | 1    | BLACK/Ag PLATED | MODEL: PCB Card Socket                                                                                                                        |       |           | SCALE: 5:1               | DWN. JUN. YANG 2012-9-25 |
| 2   | COVER   | STEEL STRIP     | 1    | Ni PLATED       |  东莞市溪榜电子有限公司<br>DONG GUAN XI BANG ELECTRONI CS CO., LTD. |       |           | CHK'D                    | DONG. PANG 2012-9-25     |
| 1   | KNOB    | PPA             | 1    | BLACK           |                                                                                                                                               |       |           | APPD.                    | ZENQ. CHEN 2012-9-25     |
| NO. | PARTS   | MATERIALS       | Q'TY | FINISH          |                                                                                                                                               |       |           |                          |                          |



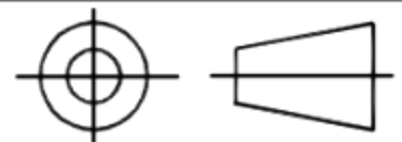
CAD FILE:

ROHS



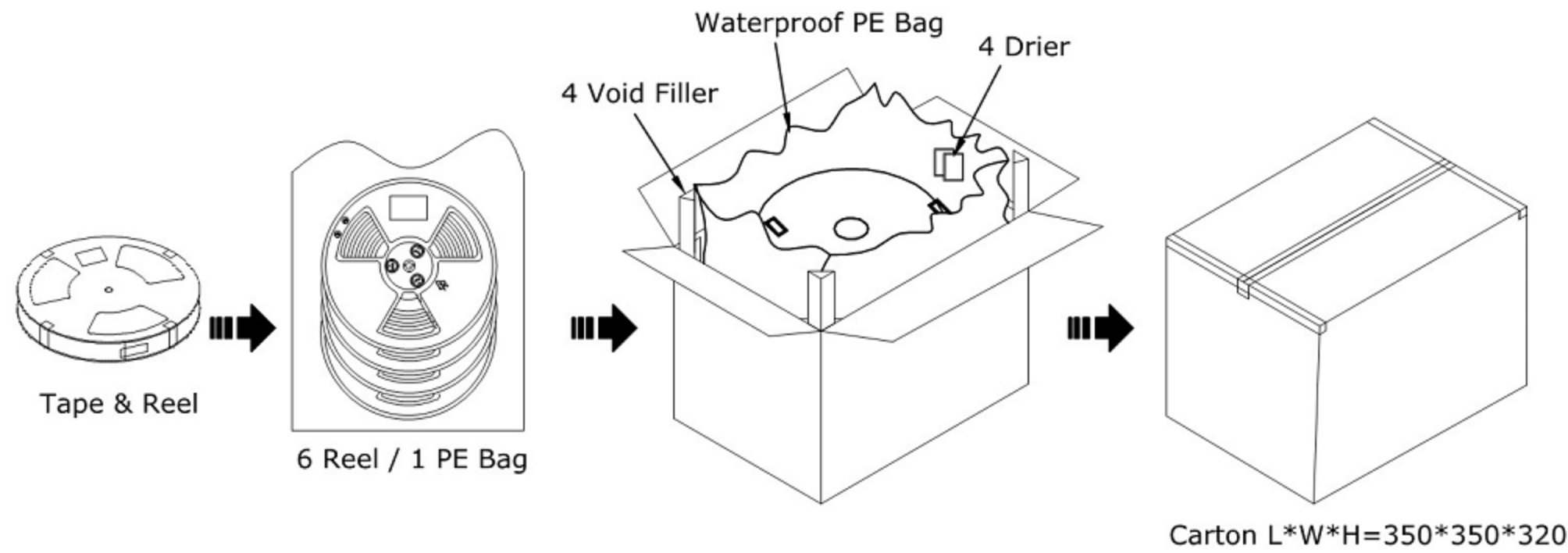
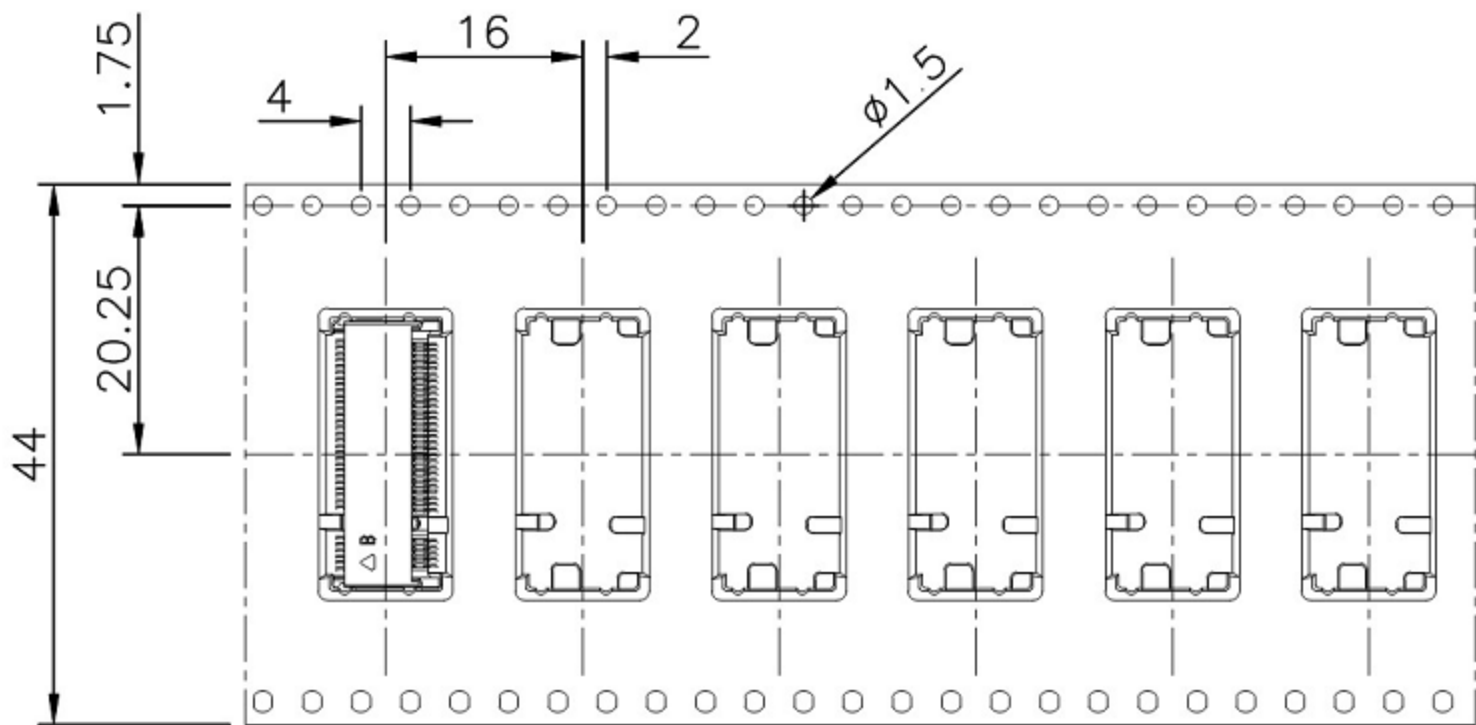
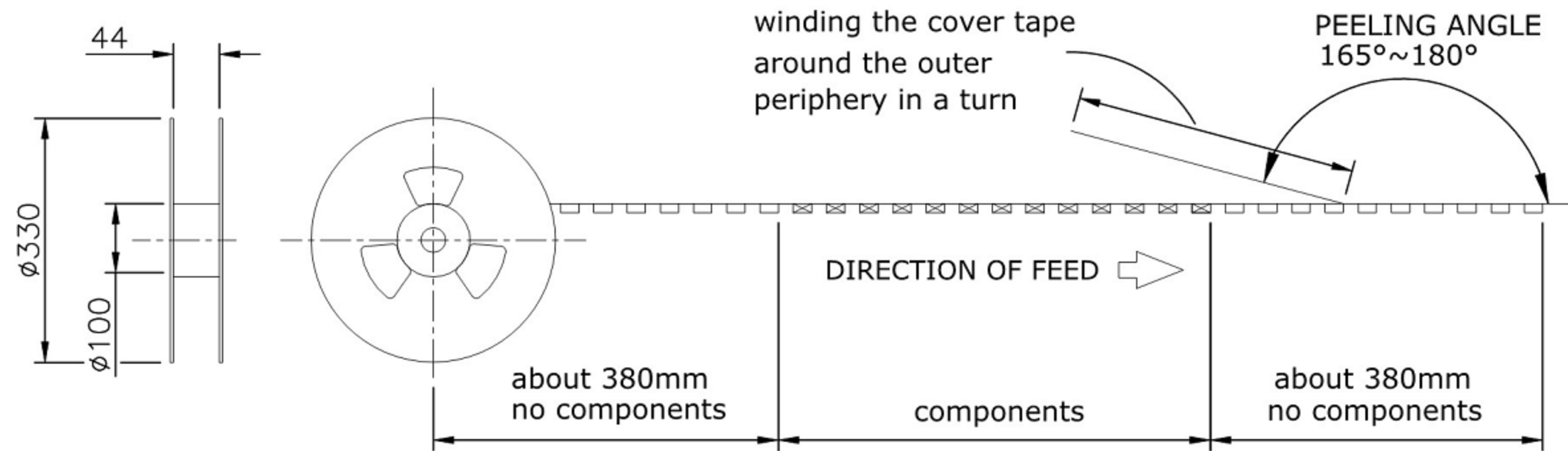
Note:  
1.Material: Low-carbon steel  
2.Plating: Nickel

|     |         |                 |      |                 |                                                                                                                                               |       |           |                          |                         |            |
|-----|---------|-----------------|------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|--------------------------|-------------------------|------------|
| 8   |         |                 |      |                 | TOLERANCE<br>UNLESS SPECIFIED                                                                                                                 |       |           |                          |                         |            |
| 7   |         |                 |      |                 |                                                                                                                                               |       |           |                          |                         |            |
| 6   |         |                 |      |                 | WITHIN 1.5mm : $\pm 0.1\text{mm}$<br>OVER 1.5mm : $\pm 0.2\text{mm}$                                                                          | A     | 2012-9-25 | 初 版                      |                         | ZENQ. CHEN |
| 5   |         |                 |      |                 |                                                                                                                                               | ISSUE | DATE      | DESCRIPTIONS OF REVISION |                         | APPD.      |
| 4   | CONTACT | SUS             | 1    | Ag CLAD         | TITLE : PCB卡插座                                                                                                                                |       |           | UNIT : mm                | DRWG NO.: XB-123A-30E00 |            |
| 3   | CASE    | PPA/BRASS SRTIP | 1    | BLACK/Ag PLATED | MODEL: PCB Card Socket                                                                                                                        |       |           | SCALE: 5:1               | DWN.                    | JUN. YANG  |
| 2   | COVER   | STEEL STRIP     | 1    | Ni PLATED       |  东莞市溪榜电子有限公司<br>DONG GUAN XI BANG ELECTRONI CS CO., LTD. |       |           | CHK'D                    | DONG. PANG              | 2012-9-25  |
| 1   | KNOB    | PPA             | 1    | BLACK           |                                                                                                                                               |       |           | APPD.                    | ZENQ. CHEN              | 2012-9-25  |
| NO. | PARTS   | MATERIALS       | Q'TY | FINISH          |                                                                                                                                               |       |           |                          |                         |            |



CAD FILE:

ROHS



| REV. | DESCRIPTION     | DRAWN | DATE       |
|------|-----------------|-------|------------|
| 1    | INITIAL RELEASE | TIM   | 2018/01/19 |

PACKAGING SPECIFICATION:

- MATERIAL
  - Embossed Carrier Tape: PS Black
  - Top Cover Tape: PET  
20-80g(Peel Speed 300mm/Minute)
  - Taping Reel: Plastic

2. Packaging:

| P/N        | Height | Reel | Carton |
|------------|--------|------|--------|
| 123A-21X00 | 2.15   | 1200 | 7200   |
| 123A-30X00 | 3.05   | 900  | 5400   |
| 123A-40X00 | 4.05   | 700  | 4200   |
| 123A-58X00 | 5.80   | 600  | 3600   |

|     |         |                 |      |                 |                                                                                                                                               |       |           |                          |                          |
|-----|---------|-----------------|------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|--------------------------|--------------------------|
| 8   |         |                 |      |                 | TOLERANCE                                                                                                                                     |       |           |                          |                          |
| 7   |         |                 |      |                 | UNLESS SPECIFIED                                                                                                                              |       |           |                          |                          |
| 6   |         |                 |      |                 | WITHIN 1.5mm : ±0.1mm                                                                                                                         | A     | 2012-9-25 | 初 版                      | ZENQ. CHEN               |
| 5   |         |                 |      |                 | OVER 1.5mm : ±0.2mm                                                                                                                           | ISSUE | DATE      | DESCRIPTIONS OF REVISION | APPD.                    |
| 4   | CONTACT | SUS             | 1    | Ag CLAD         | TITLE : PCB卡插座                                                                                                                                |       |           | UNIT : mm                | DRWG NO.: XB-123A-30E00  |
| 3   | CASE    | PPA/BRASS SRTIP | 1    | BLACK/Ag PLATED | MODEL: PCB Card Socket                                                                                                                        |       |           | SCALE: 5:1               | DWN. JUN. YANG 2012-9-25 |
| 2   | COVER   | STEEL STRIP     | 1    | Ni PLATED       |  东莞市溪榜电子有限公司<br>DONG GUAN XI BANG ELECTRONI CS CO., LTD. |       |           | CHK'D                    | DONG. PANG 2012-9-25     |
| 1   | KNOB    | PPA             | 1    | BLACK           |                                                                                                                                               |       |           | APPD.                    | ZENQ. CHEN 2012-9-25     |
| NO. | PARTS   | MATERIALS       | Q'TY | FINISH          |                                                                                                                                               |       |           |                          |                          |