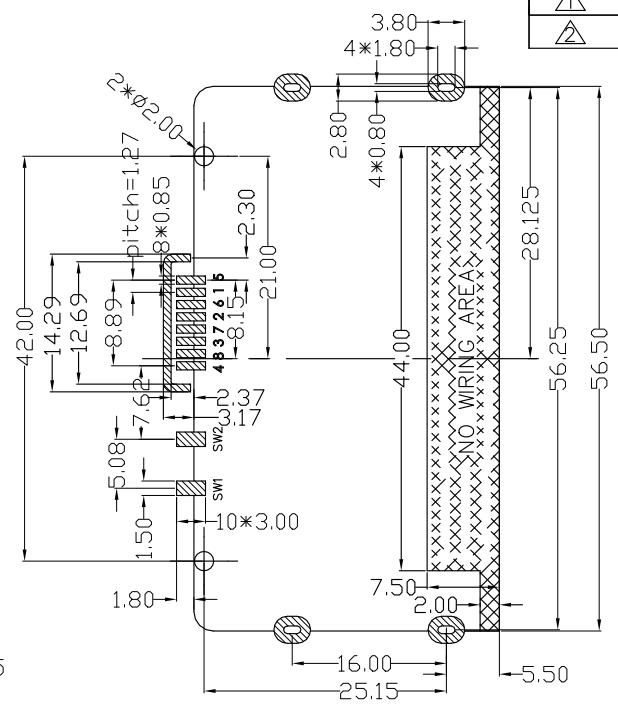
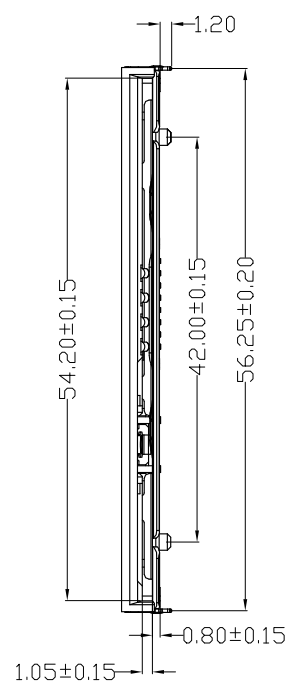
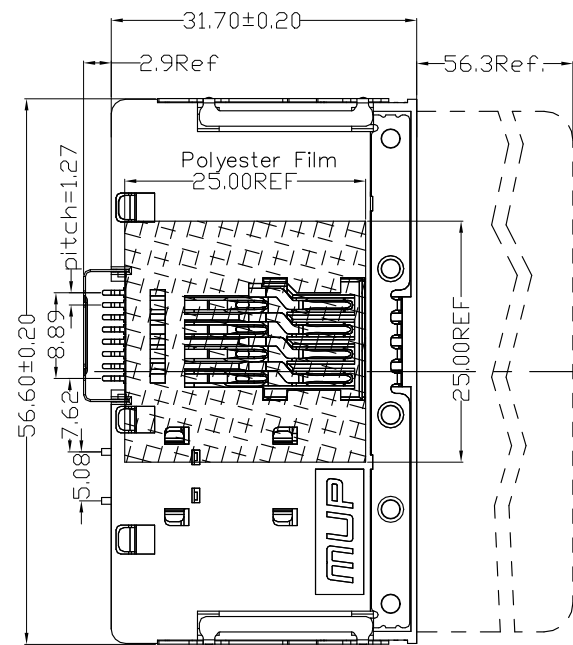


| REV. | DESCRIPTION OF REVISIONS | APPR. | CHEC. | DRAW. | DATE       |
|------|--------------------------|-------|-------|-------|------------|
| △    | NEW                      |       |       | Zoey  | 2022/12/02 |
| △    | Original Model C8610-2   |       |       | Jicks | 2023/10/19 |



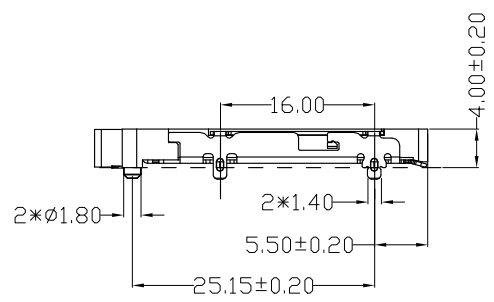
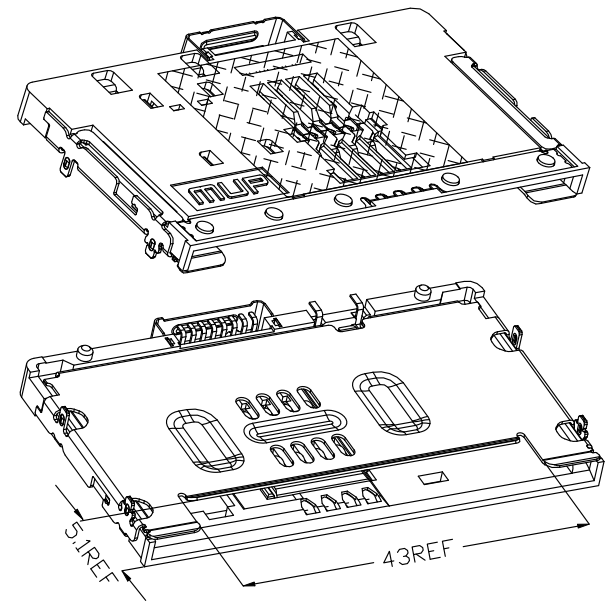
RECOMMENDED P.C.B LAYOUT

COMPONENT SIDE(TOLERANCE ±0.05)

Coplanarity of metal solder pins 0.15mm

Recommending of solder paste thickness > 0.15mm

▨ PAD AREA ▩ STAND OFF AREA



### TECHNICAL CHARACTERISTICS

#### 1.General Characteristics

Dimensions: 56.60LX31.70WX4.00H mm

Weight: Approx9.5±0.5g

Durability: 500,000 cycles min.

#### 2.Electrical Characteristics

Contact resistance:100mΩ max

Insulation resistance:1000MΩ min

#### 3.Solderability

IR reflow: 260℃.10sec.Max

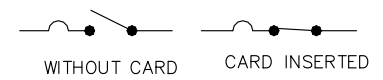
Manual soldering: 400℃,5sec.Max

#### 4.Environmental Characteristics

Operating temperature: -40℃~+85℃

Operating humidity: 10%~+95%RH

| ELECTRIC FUNCTION | DETECT SWITCH |
|-------------------|---------------|
| WITHOUT CARD      | OPEN          |
| CARD INSERTED     | CLOSED        |



SWITCH OPERATION DIAGRAM



| ITEM | PART NAME      | Q'TY | MATERIAL              | FINISH                     |
|------|----------------|------|-----------------------|----------------------------|
| 1    | BASE           | 1    | Hi-temp Thermoplastic | Black UL94V-0              |
| 2    | COVER          | 1    | SUS                   | Ni plated                  |
| 3    | DATA CONTACT   | 8    | Copper Alloy          | Contact area:15u"Au plated |
| 4    | SWITCH CONTACT | 1    |                       | Contact area:Silver plated |
| 5    | FLAKE          | 1    | SUS                   |                            |
| 6    | SLIDE          | 1    | Hi-temp Thermoplastic | Black UL94V-0              |
| 7    | ESD            | 1    | SUS                   | Ni plated                  |
| 8    | GUARD          | 1    | Copper-Nickel Alloy   |                            |

|                                                  |                                                                                       |                                  |                                                     |          |                  |                           |
|--------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------|----------|------------------|---------------------------|
| Unless otherwise specified, other tolerance are: |                                                                                       |                                  | <div>®</div> <div>MUP MUP INDUSTRIAL CO.,LTD.</div> |          |                  |                           |
| X ±0.35                                          | X* ±5°                                                                                | NAME: Smart Card Connector       |                                                     |          |                  |                           |
| X.X ±0.25                                        | X.X* ±4°                                                                              | MODEL NO: MUP-C8610-02           |                                                     |          |                  |                           |
| X.XX ±0.15                                       | X.XX* ±3°                                                                             | TYPE : Normally open (Sealed SW) |                                                     |          |                  |                           |
| X.XXX ±0.10                                      | X.XXX* ±2°                                                                            |                                  |                                                     |          |                  |                           |
| PROJ.                                            |  | UNIT                             | SCALE                                               | DRAWN    | Zoey 2022/12/02  | DWG NO. : DWG-C8610-02-01 |
| CUSTOMER DRAWING                                 |                                                                                       | mm                               | 1:1                                                 | CHECKED  | Keyey 2022/12/02 | SHEET 1/1                 |
|                                                  |                                                                                       |                                  |                                                     | APPROVAL | Simon 2022/12/02 | REVISION 2                |