

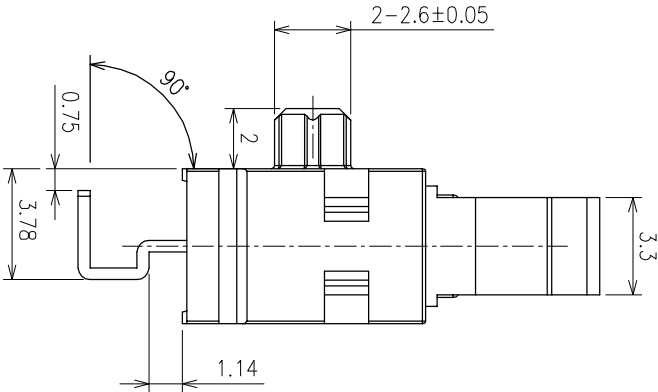
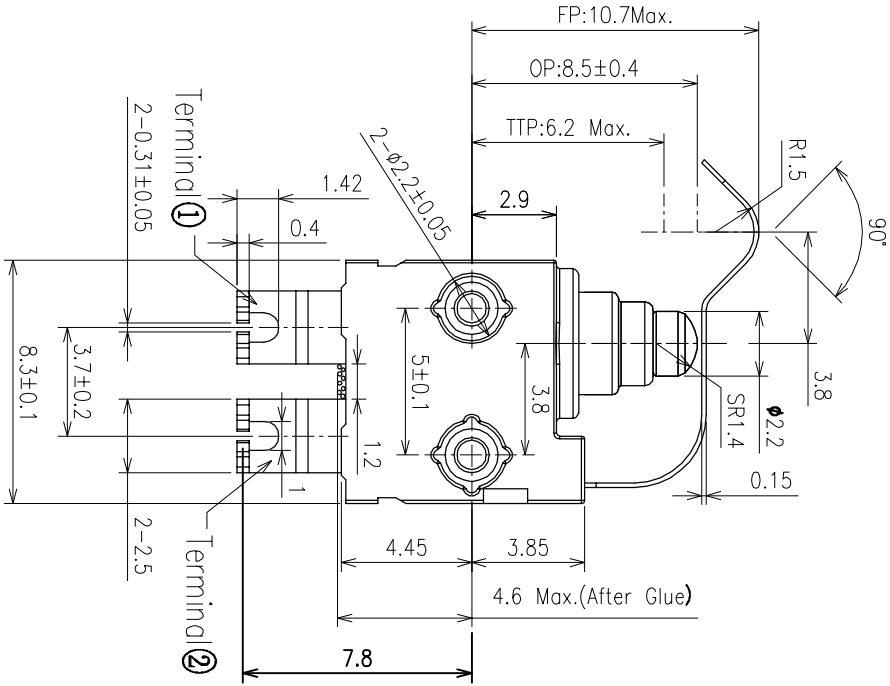
| Mechanical Characteristics(Initial): |             |
|--------------------------------------|-------------|
| Item                                 | Criteria    |
| Operating Force(OP)                  | 180gf Max.  |
| Free Position(FP)                    | 10.7mm Max. |
| Operation Position(OP)               | 8.5±0.4mm △ |

| Electrical Characteristics: |                       |                             |
|-----------------------------|-----------------------|-----------------------------|
| Ratings                     | Datos(resistive load) | Operating life with load    |
|                             | 5VDC 1mA              | 300,000 Cycles Min.         |
|                             | 12VDC 50mA            | 200,000 Cycles Min.         |
|                             | 16VDC 50mA            | 150,000 Cycles Min.         |
| Contact Resistance:         |                       | 500mΩ Max. (Initial)        |
| Insulation Resistance:      |                       | 100MΩ Min. 500VDC (Initial) |

|                              |                       |
|------------------------------|-----------------------|
| Other Spec. :                |                       |
| Protection Class:            | IP67(Except terminal) |
| Operating life without load  | 500,000 cycles        |
| Operating Temperature Range: | -40~+85℃              |

| Material List  |                             |
|----------------|-----------------------------|
| Seal Rubber    | Silicon Rubber(Green)       |
| Switch Housing | Thermoplastics PBT          |
| Switch Base    | Thermoplastics PBT          |
| Terminals      | Copper Alloy, Silver plated |
| Actuator       | Thermoplastics POM          |
| Slide Contact  | Copper Alloy                |
| Spring         | Stainless Steel             |

Note: Refer to specification MQS-9B1BT04-A2-SPC.001



| REV.         | DATE | MODIFICATION               |            | ECN NO.                      | PRIOR VERSION |
|--------------|------|----------------------------|------------|------------------------------|---------------|
| Project Ref: |      | MQS-9B Series Micro Switch |            |                              |               |
| Part No:     |      | MQS-9B1BT04-A2             |            |                              |               |
| Drawing No:  |      | Eng Ver                    | A0X1       | ~3                           | >3~10         |
| Drafted by:  |      | Date:                      | 2021-02-22 | ±0.20                        | >10~30        |
| Checked by:  |      | Date:                      | 2021-02-22 | ±0.30                        | >30~80        |
| Approved by: |      | Date:                      | 2021-02-22 | ±0.40                        | >80~180       |
|              |      |                            |            | ±0.60                        | >180          |
|              |      |                            |            | ±0.80                        | Angle         |
|              |      |                            |            | ±3°                          |               |
|              |      |                            |            | Size: A4                     | Scale: 4:1    |
|              |      |                            |            | THIRD ANGLE                  |               |
|              |      |                            |            | Switches & Control Solutions |               |

NOT FOR MASS PRODUCTION