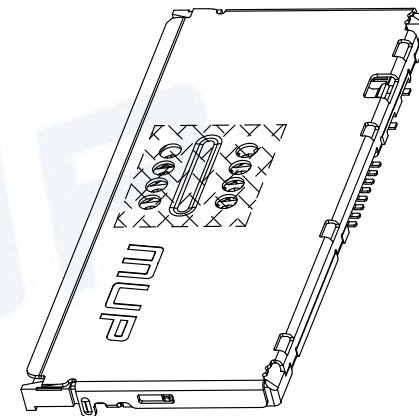
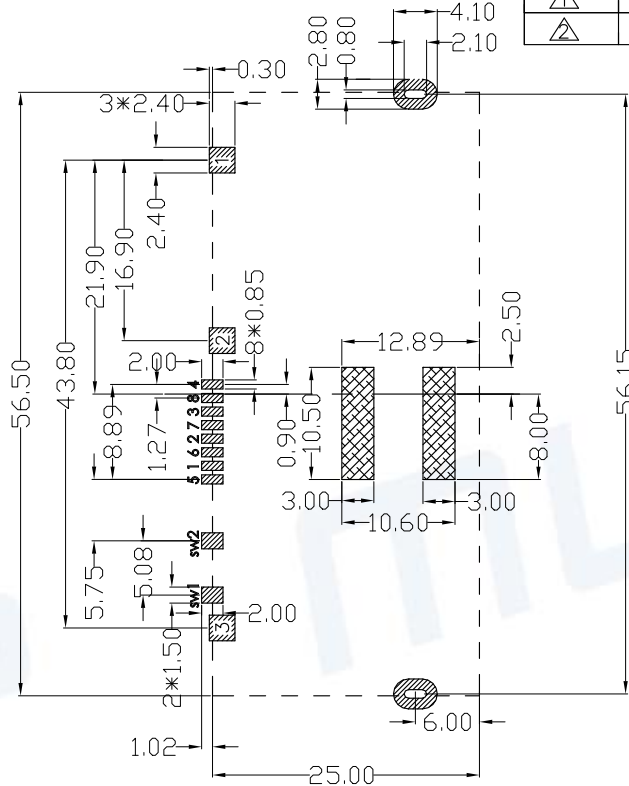
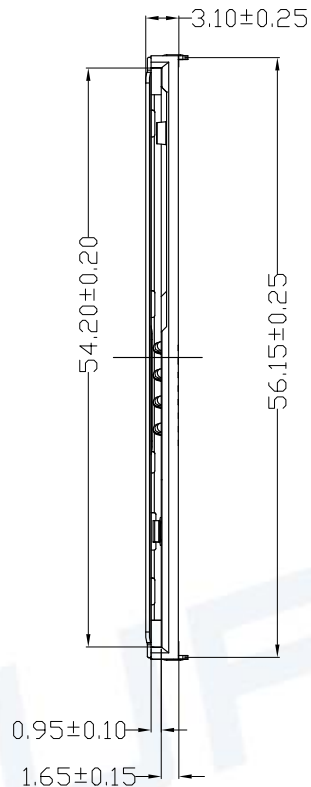
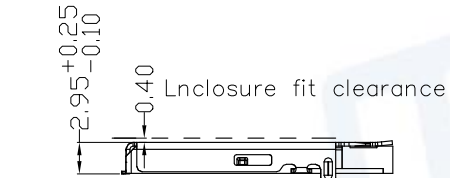
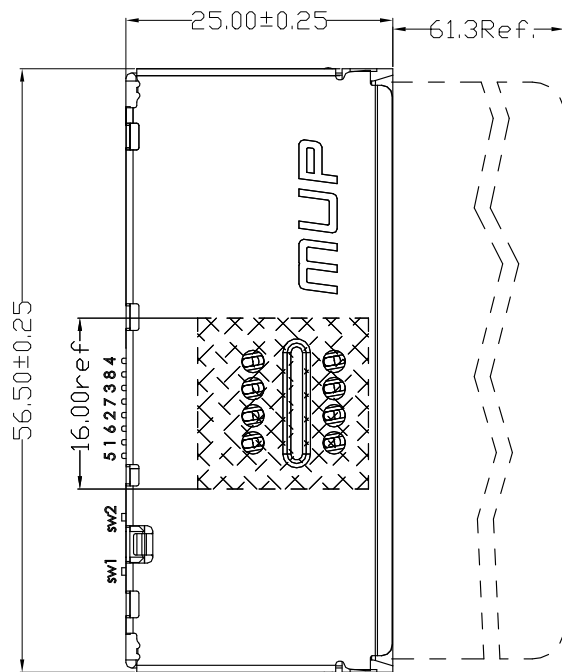




RECOMMENDED P.C.B LAYOUT

COMPONENT SIDE(TOLERANCE ±0.05)

(Earthing1.2.3)Single Solderability

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: 56.5LX25.0WX3.10H mm

Weight: Approx7.0±0.5g

Durability: 500,000 cycles min.

Card Insertion force:10N max

Card Withdrawal force: 0.5N min

Contact force: 0.2N~0.6N

2.Electrical Characteristics

Contact resistance: 50mΩ typical,100mΩ max

Insulation resistance: >1000MΩ/500V DC

3.Solderability

IR reflow: 260°C.10sec.Max

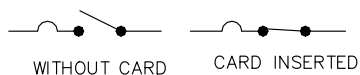
Manual soldering: 370°C,3sec.Max

4.Environmental Characteristics

Operating temperature: -40°C~+85°C

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	LCP	Black UL94V-0
2	COVER	1	SUS	Solder area:1μ"Au plated
3	DATA CONTACT	8	Copper Alloy	Contact area:15μ"Au plated
4	SWITCH CONTACT	1		Contact area:15μ"Ag plated
5	FLAKE	1	SUS	

Unless otherwise specified, other tolerance are:

X	±0.45	X*	±5°
X.X	±0.35	X.X*	±4°
X.XX	±0.25	X.XX*	±3°
X.XXX	±0.10	X.XXX*	±2°

PROJ.	UNIT	SCALE
	mm	1:1

CUSTOMER DRAWING

MUP MUP INDUSTRIAL CO.,LTD.

NAME: **Smart Card Connector**

MODEL NO: **MUP-C8631 -03**

TYPE : **Normally open (Sealed SW)**

DRAWN	Jick	2025/04/28
CHECKED	Keey	2025/04/28
APPROVAL	Simon	2025/04/28

DWG NO.:	DWG-C8631-03-01
SHEET	1/1
REVISION	1