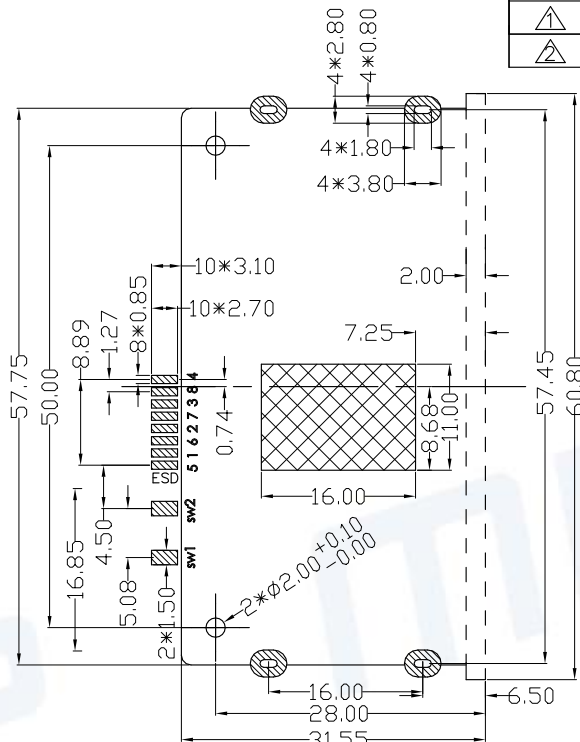
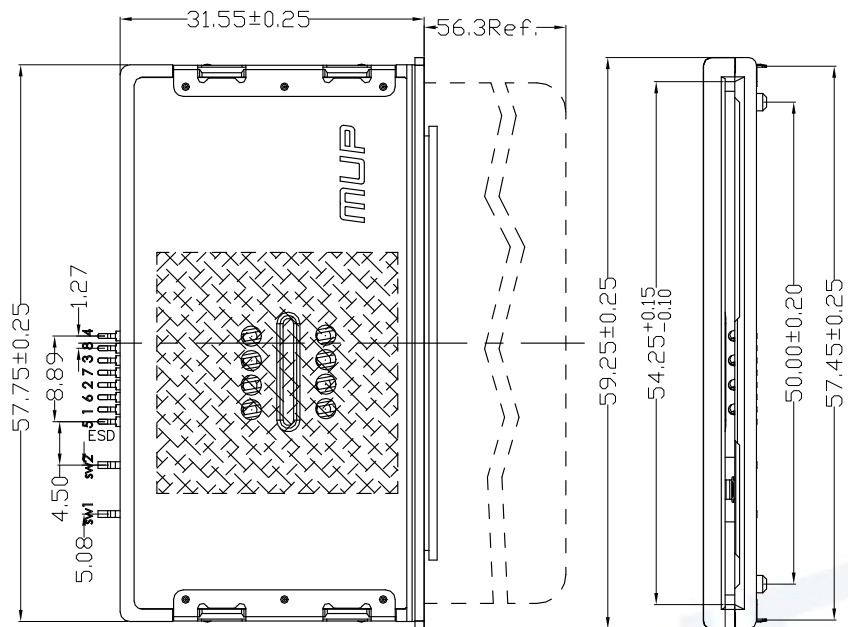




The waterproof level SMT is reduced after high temperature manual welding is recommended

REV.	DESCRIPTION OF REVISIONS	APPR.	CHEC.	DRAW.	DATE
1	NEW			Zoey	2025/03/12
2					



RECOMMENDED P.C.B LAYOUT

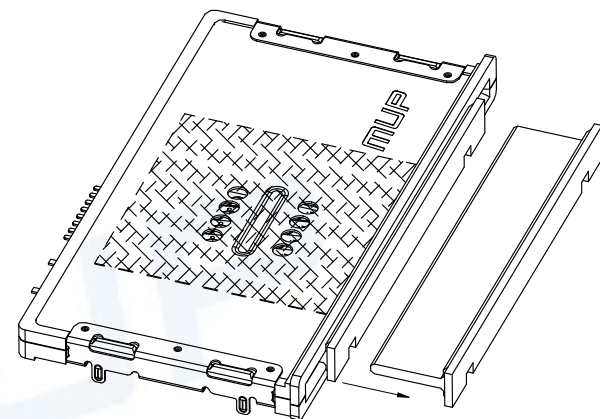
COMPONENT SIDE(TOLERANCE ±0.05)

Coplanarity of metal solder pins 0.15mm

Recommending of solder paste thickness > 0.15mm

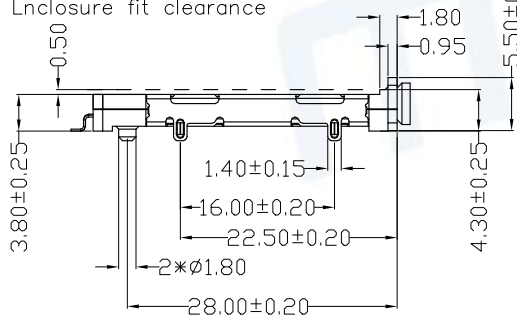
▨ PAD AREA

⋯ STAND OFF AREA



After Reflow soldering, please let retainer keep staying connector in room temperature(25°C±2°C), 2 hours at least before pull it out

Inclosure fit clearance



TECHNICAL CHARACTERISTICS

1.General Characteristics

Dimensions: 59.25LX31.55WX3.80H mm

Weight: Approx 9.8±0.5g

Durability: 500,000 cycles min.

Insertion force : 1 N min.

Withdrawal force: 10 N Max.

2.Electrical Characteristics

Contact resistance: 100mΩ max

Insulation resistance: 1000MΩ min

3.Solderability

IR reflow: 260°C.10sec.Max

Manual soldering: 400°C, 5sec.Max

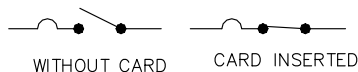
4.Environmental Characteristics

Operating temperature: -40°C~+85°C

Operating humidity: 10%~+95%RH

ITEM	PART NAME	Q'TY	MATERIAL	FINISH
1	BASE	1	LCP	Black UL94V-0
2	COVER 1	1	LCP	Black UL94V-0
3	RETAINER	1	LCP	Black UL94V-0
4	COVER 2	1	SUS	
5	DATA CONTACT	8	C5191	Contact area: 15μ" Au plated
6	FLAKE	1	SUS	
7	LATCH	2	SUS	Solder tail: 80μ" Sn plated
8	SWITCH CONTACT	1		Contact area: Silver plated

ELECTRIC FUNCTION	DETECT SWITCH
WITHOUT CARD	OPEN
CARD INSERTED	CLOSED



SWITCH OPERATION DIAGRAM



PROCESS COMPLIANT

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
1	mm	1:1

CUSTOMER DRAWING

MUP MUP INDUSTRIAL CO.,LTD.

NAME: **Smart Card Connector**

MODEL NO: **MUP-C8629-01**

TYPE: **Normally open (IP54)**

DRAWN	Zoey	2025/03/12
CHECKED	Keey	2025/03/12
APPROVAL	Simon	2025/03/12

DWG NO.:	DWG-C8629-01-01
SHEET	1/1
REVISION	1