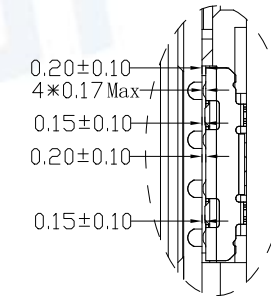
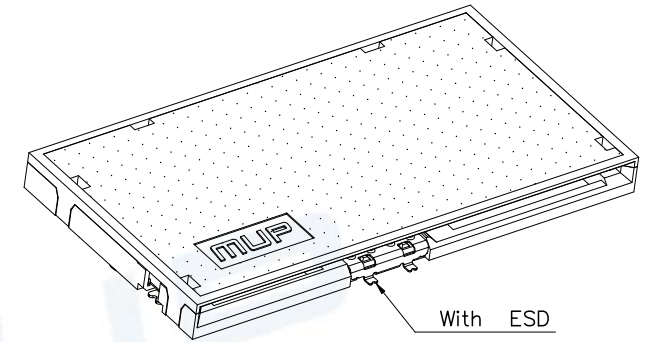
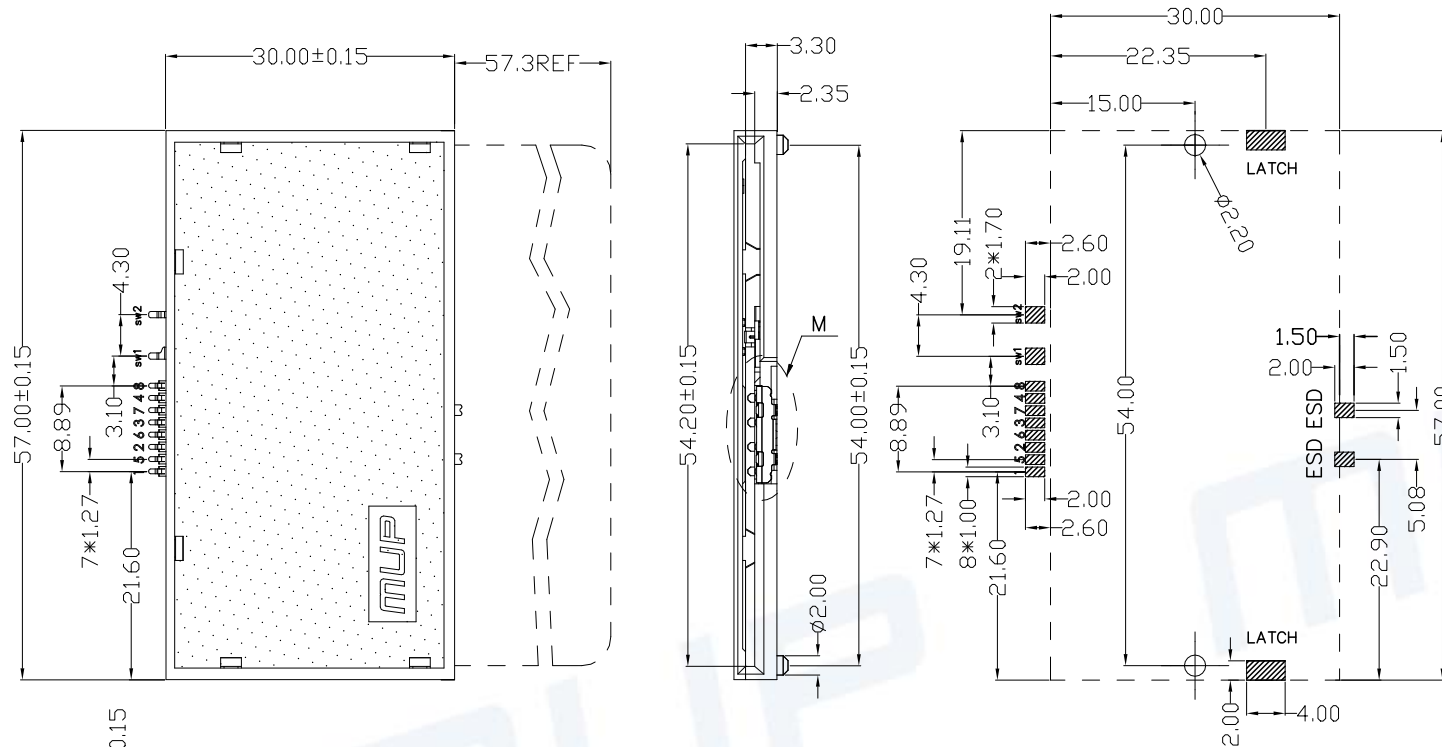


6	7	8
REV.	DESCRIPTION OF REVISIONS	APPR. CHEC. DRAW. DATE
△	NEW	Jick 2022/12/23
△	Original Model C8603-3	Keey 2023/10/19



DETAIL M
SCALE 2:1

RECOMMENDED P.C.B LAYOUT
COMPONENT SIDE(TOLERANCE ± 0.05)
Coplanarity of metal solder pins 0.15mm
Recommending of solder paste thickness $> 0.20\text{mm}$

▨ PAD AREA

ITEM	PART NAME	Q'TY	MATERIAL	FINISH
1	BASE	1	Hi-temp Thermoplastic	Black UL94V-0
2	COVER	1	Hi-temp Thermoplastic	Black UL94V-0
3	DATA CONTACT	8	Copper Alloy	Contact area:Gold plated
4	SWITCH CONTACT 1	1	Copper Alloy	Contact area:Gold plated
5	SWITCH CONTACT 2	1	Copper Alloy	Contact area:Gold plated
6	LATCH	2	Brass	Plated: Tin over all
7	ESD	1	SUS	Plated: Tin over all

TECHNICAL CHARACTERISTICS

1.General Characteristics

Dimensions: 57.0LX30.00WX4.50H mm

Weight: Approx 6.5 $\pm$ 0.5g

Durability: 500,000 cycles min.

2.Electrical Characteristics

Contact resistance: 100m Ω max

Insulation resistance: 1000M Ω min

3.Solderability

IR reflow: 260°C.5sec.Max

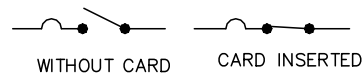
Manual soldering: 370°C, 3sec.Max

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



PROCESS COMPLIANT

Unless otherwise specified, other tolerance are:

X	± 0.35	X*	$\pm 5^{\circ}$
X.X	± 0.25	X.X*	$\pm 4^{\circ}$
X.XX	± 0.15	X.XX*	$\pm 3^{\circ}$
X.XXX	± 0.10	X.XXX*	$\pm 2^{\circ}$

PROJ.	UNIT	SCALE
mm	mm	1:1

CUSTOMER DRAWING

MUP MUP INDUSTRIAL CO.,LTD.

NAME: **Smart Card Connector**

MODEL NO: **MUP-C8603-03**

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

DRAWN	Jick	2022/12/23
CHECKED	Keey	2022/12/23
APPROVAL	Simon	2022/12/23

DWG NO.:	DWG-C8603-03-01
SHEET	1/1
REVISION	2