

# GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2017/02/15	Phebe Su
A1			Add DIM	2018/12/12	Phebe Su
A2			PIN 腳平整度	2020/10/08	Ginny Liao
A3			A3無變更規格, 因客戶需求進版A4, 與客戶系統版次相符	2023/3/14	Hanson
A4			降低靜電接觸凸包高度	2023/3/14	Hanson
A5			底座凸台變更	2023/5/25	Hanson

## Specification

× *Electrical Characteristics :*

Current Rating:0.5A.

Withstanding Voltage:AC500V r.m.s.

Insulation Resistance:1000Megohms Minimum at DC 500V.

Contact Resistance:100Miliohms Maximum.

× *Mechanical Characteristics:*

× *Mating Cycles: 10000 Insertions.*

*Environmental :*

× *Operating Temperature:-40°C to +85°C.*

*Material:*

1.Housing:HI-Temp plastic UL 94V-0 Rated.

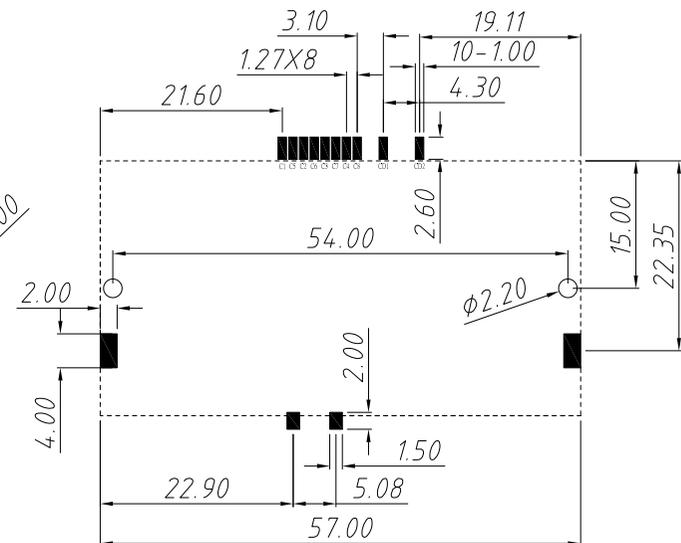
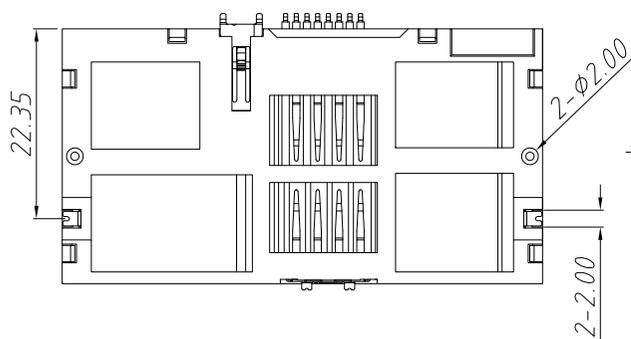
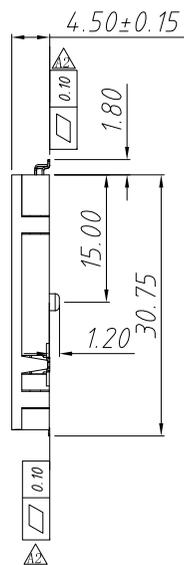
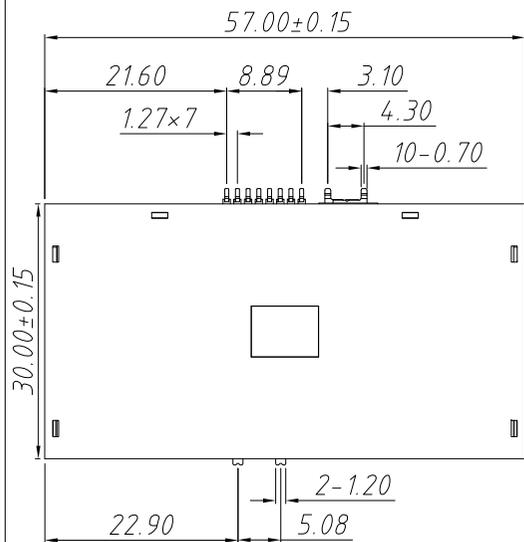
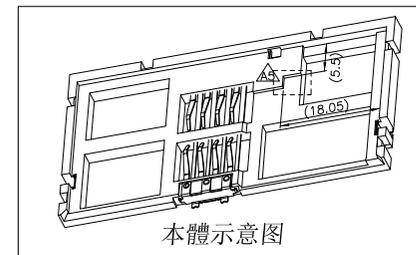
2.Contact:Copper alloy, gold plated 3U"

3.Ground plate:Brass, tin plated 120U"

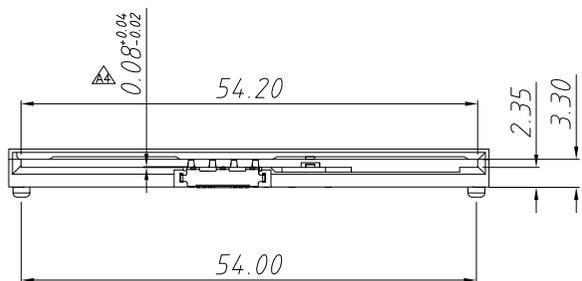
Can accord with management standards for

"environment-related substances to be controlled"

Meets RoHS and Halogen free.



RECOMMENDED PCB PATTERN LAYOUT  
(GENERAL TOLERANCE: ±0.05)



MATRIX PART NO:  
MSC - 02 - 03 - 08 - 45 - 10  
Matrix Smart  
01: Push  
02: Non-Push  
03:3U"  
Series Number  
Height  
Pin number  
06:6pin  
08:8pin

**Matrix Electronics Co.,Ltd**

TOLERANCE: X.X X.XX X.XXX ANGLE: ±1°	DESIGN BY : Hanson Huang	DATE : 2023/5/25	PART NAME: Smart card with ground lug	
UNIT: mm [inch]	CHECKED BY: Vicky Hsieh	DATE : 2023/5/25	PART NO.	MSC-02-03-08-45-10
SCALE:1:1	APPROVED BY1: Richard Hsieh	DATE : 2023/5/25	MOLD NO.	NA
SIZE:A4	APPROVED BY2: Richard Hsieh	DATE : 2023/5/25	DRAW NO.	
			SHEET NO.	1 OF 1