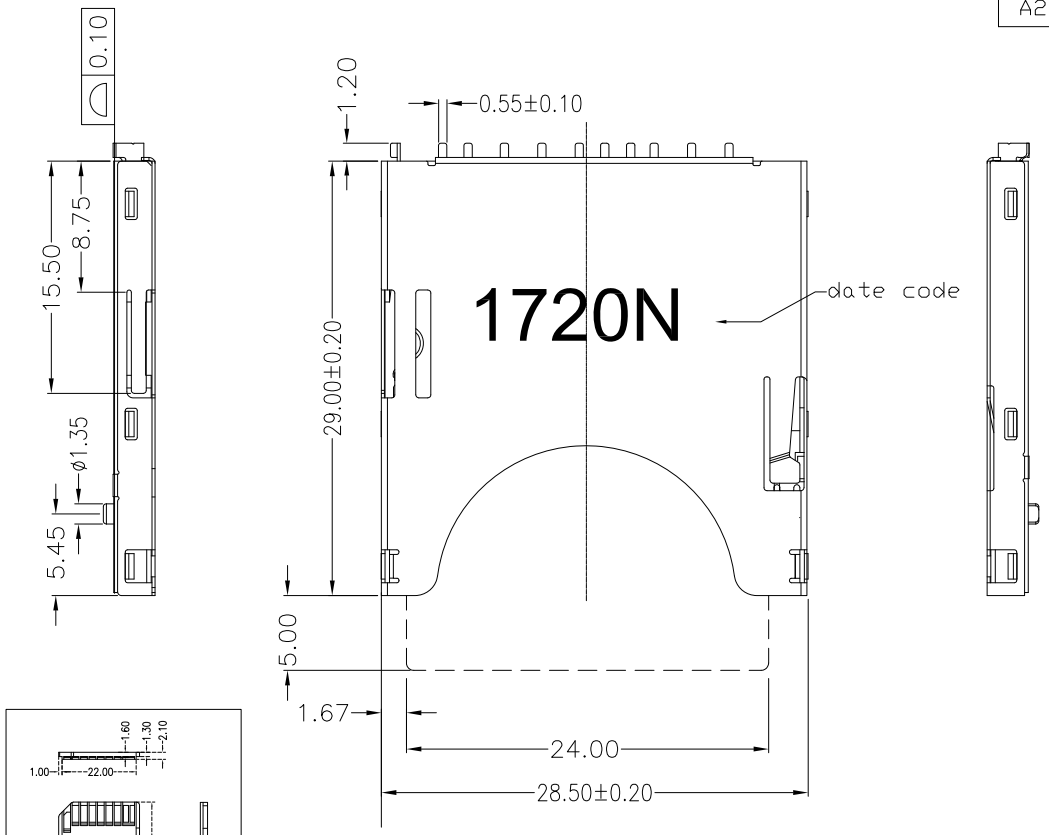
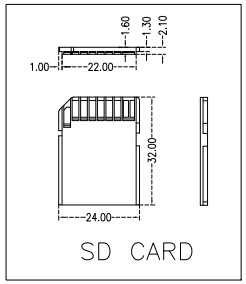
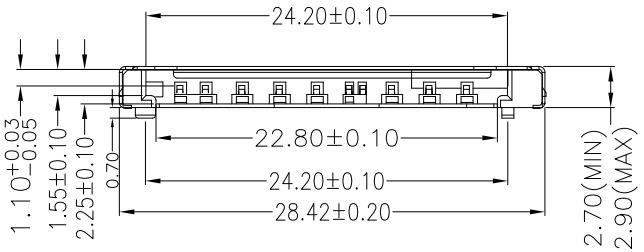
GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2017/03/01	Phebe Su
A1			According to the physical correction drawings	2017/05/23	Phebe Su
A2			Update D/C	2017/06/06	Phebe Su







注解:

1.素材要求:
- 1.1 膠芯:LCP 30%GF,防火等级：UL94V-0，顏色:黑色。
- 1.2 滑塊:PA46 30%GF,防火等级：UL94V-0，顏色:黑色。
- 1.3 外殼:C2680R-H T=0.20mm
- 1.4 10PIN端子:磷青銅C5191R-H，T=0.15mm。
- 1.6 WP端子:磷青銅C5191R-H，T=0.15mm。

2.電鍍要求:
- 2.1 外殼：焊腳區域鍍錫120U"。
- 2.2 端子：全部區域電鍍氨基磺酸鎳（可焊鎳）50U"
  焊腳區域鍍錫120U"，接觸區域鍍金1U"。

3.機械性能要求:
- 3.1 插入力最大 4.0kgf。
- 3.2 拔出力最小 0.5kgf。
- 3.3 耐久插拔 10000次循環。

4.電氣性能要求：
- 4.1 額定電流 1.0A.額定電壓 2.7V～3.6V。
- 4.2 耐壓交流電壓最小200伏特,最少1分鐘。
- 4.3 絕緣電阻在直流電壓500伏特時最小100M歐姆 。
- 4.4 接觸電阻最大100豪歐。

5.環境性能要求:
- 5.1 使用環境-40攝氏度～85攝氏度。
- 5.2 部件耐熱焊接溫度符合230攝氏度30～60秒，260攝氏度10秒要求。

6.部件符合2011/65/EU。

7.DATE CODE: XX XX N
- XX 年份
- XX 周期
- N NO PUSH

NO	VARIETY	QTY	METERIAL	REMARK

Matrix Electronics Co.,Ltd

TOLERANCE: X. ±0.5 X.X ±0.25 X.XX ±0.20 X.XXX ±0.15 ANGLE: ±3°	DESIGN BY : Phebe Su	DATE : 2017/06/06	PART NAME: SD NON-PUSH CARD	
	CHECKED BY: vicky hsieh	DATE : 2017/06/06	PART NO.	MSD-02-01-20-RS
	APPROVED BY1: Richard Hsieh	DATE : 2017/06/06	MOLD NO.	NA
UNIT: mm [inch]	APPROVED BY2: Richard Hsieh	DATE : 2017/06/06	DRAW NO.	
SCALE:1:1 SIZE:A4			SHEET NO.	1 OF 2

GP Component

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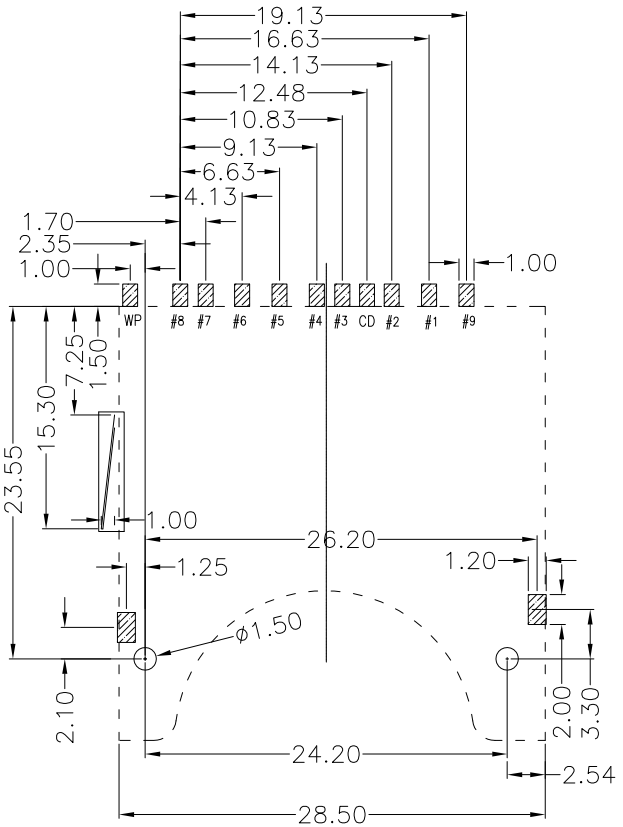

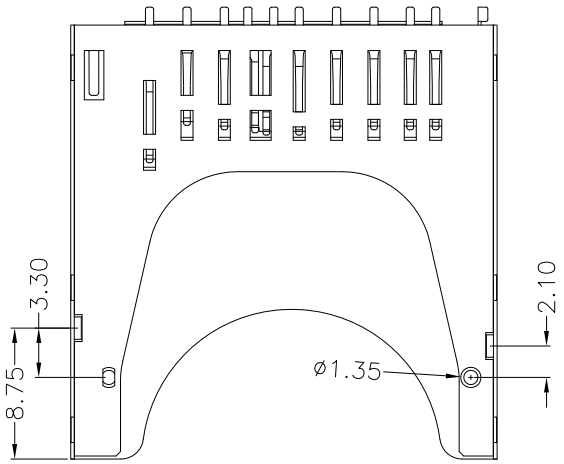

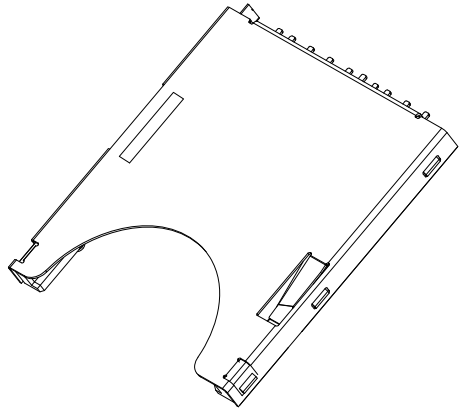

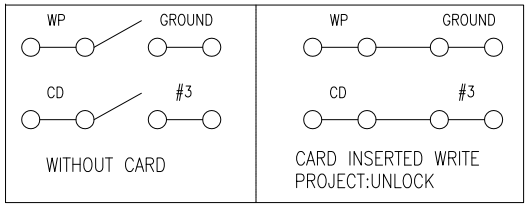

SD CARD PIN DESIGN

PIN NO.	NAME	TYPE	DESCRIPTION
#1	CD/DAT3	I/O/PP	CARD DETECT/DATA LINE(BIT3)
#2	CMD	PP	COMMAND/RESPONSE
#3	VSS1	S	SUPPLY VOLTAGE GROUND
#4	VDD	S	SUPPY VOLTAGE
#5	CLK	I	CLOCK
#6	VSS2	S	SUPPLY VOLTAGE GROUND
#7	DAT0	I/O/PP	DATA LINE(BIT 0)
#8	DAT1	I/O/PP	DATA LINE(BIT 1)
#9	DAT2	I/O/PP	DATA LINE(BIT 2)

MATRIX PART NO:

MSD-02-01-20-RS

- Matrix SD
- 01: Push / 02: Non-Push
- Plating 01:G/F 15:15u
- Series Number
- RS:ROHS HF:Halogen Free

NO VARIETY QTY METERIAL REMARK

Matrix Electronics Co.,Ltd

TOLERANCE: X. ±0.25 / X.X ±0.25 / X.XX ±0.20 / X.XXX ±0.15 / ANGLE: ±3°	DESIGN BY: Phebe Su	DATE: 2017/06/06	PART NAME: SD NON-PUSH CARD
	CHECKED BY: vicky hsieh	DATE: 2017/06/06	PART NO. MSD-02-01-20-RS
	APPROVED BY1: Richard Hsieh	DATE: 2017/06/06	MOLD NO. NA
UNIT: mm [inch]	APPROVED BY2: Richard Hsieh	DATE: 2017/06/06	DRAW NO.
SCALE:1:1 SIZE:A4			SHEET NO. 2 OF 2