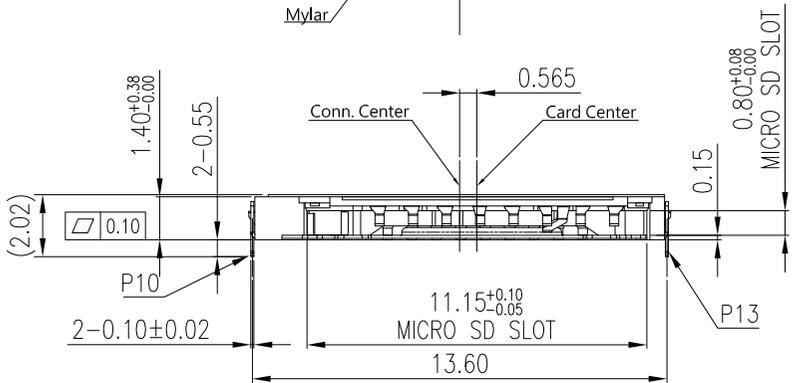
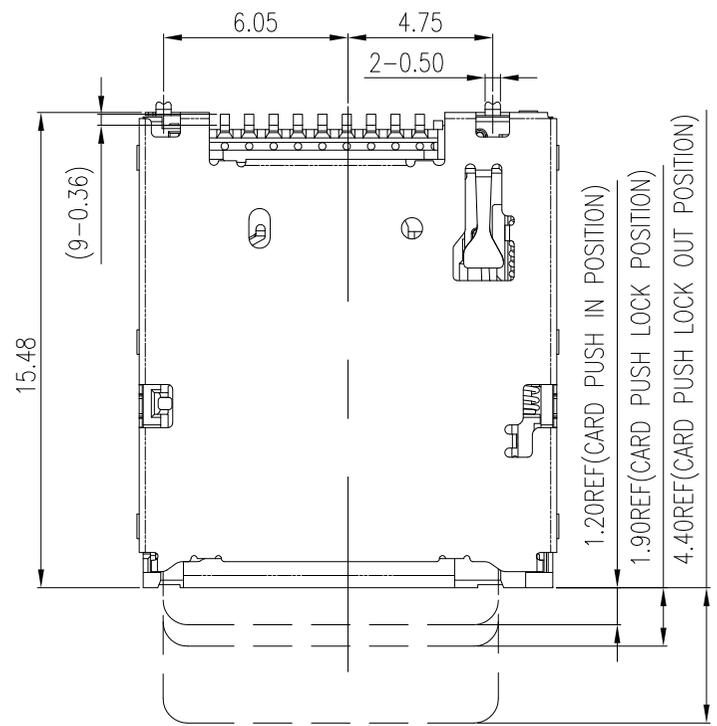
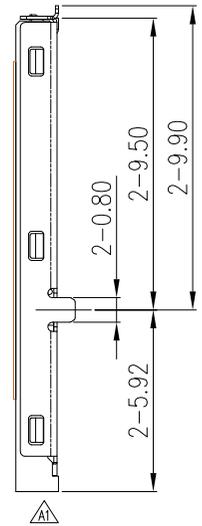
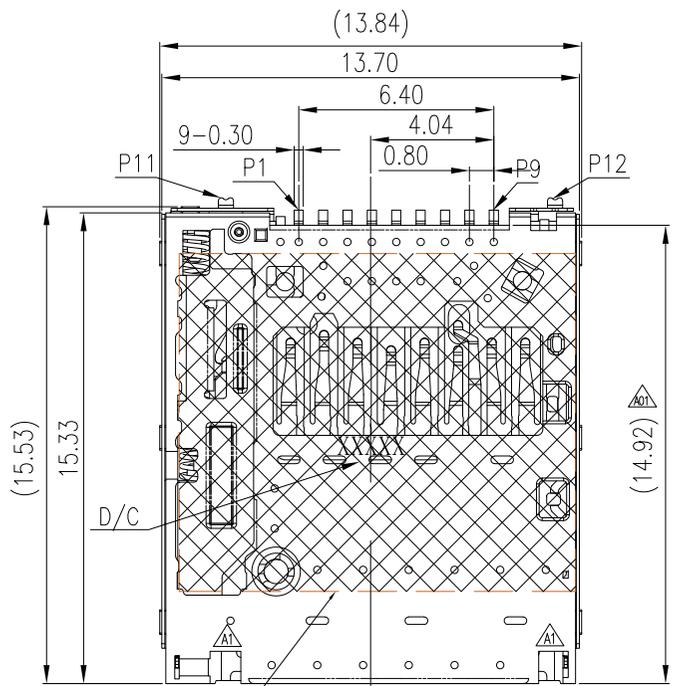


GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
AO			Initial	2020/01/04	Hanson
AO1			ADD (14.92) DIM.	2022/07/11	Hanson
A1			Change	2022/09/8	Hanson



MATRIX PART NO:

MMS-01-03-09-14-74
 Matrix MICRO SD
 01 : Push
 02: Non-Push
 Plating
 01:G/F
 03:3u
 Series Number
 Height
 Pin number
 09:9pin

Opening/Close of Switch

Card Detect Switch	
Card Uninsertion	Open
Card Half Insertion	Open
Card Insertion	Close
N/O	



Matrix Electronics Co., Ltd

TOLERANCE: X.X ±0.50 X.XX ±0.30 X.XXX ±0.20 X.XXX ±0.10 ANGLE: ±3°	DESIGN BY : Hanson Huang	DATE : 2022/09/8	PART NAME: MICRO SD3.0 PUSH TYPE, BOTTOM MOUNT 卡座
APPROVED BY1: Richard Hsieh	CHECKED BY: Vicky Hsieh	DATE : 2022/09/8	PART NO. MMS-01-03-09-14-74
APPROVED BY2: Richard Hsieh	DATE : 2022/09/8	MOLD NO. NA	
SCALE:1:1 SIZE:A4	DATE : 2022/09/8	DRAW NO.	SHEET NO. 1 OF 2

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
AO			Initial	2020/01/04	Hanson
AO1			ADD (14.92) DIM.	2022/07/11	Hanson
A1			Change	2022/09/8	Hanson

NOTES:

(1) MATERIAL:

1-1. PLASTIC: LCP, THERMOPLASTIC UL 94V-0 (S475)
 COLOR: BLACK.

1-2. CONTACT: COPPER ALLOY. (C5210)

1-3. SHELL: STAINLESS STEEL. (SUS304)

(2) PLATING:

2-1. CONTACT:

2-1-1. CONTACT AREA: Au 3u"
 PLATING OVER Ni 50u"

2-1-2. SOLDER TAIL AREA: PLATING Matted TIN 80u" Min.
 PLATING OVER Ni 50u"

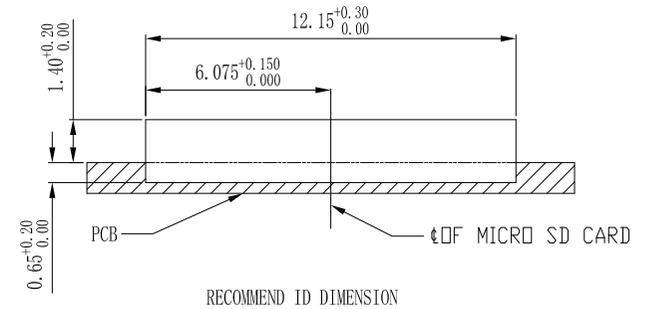
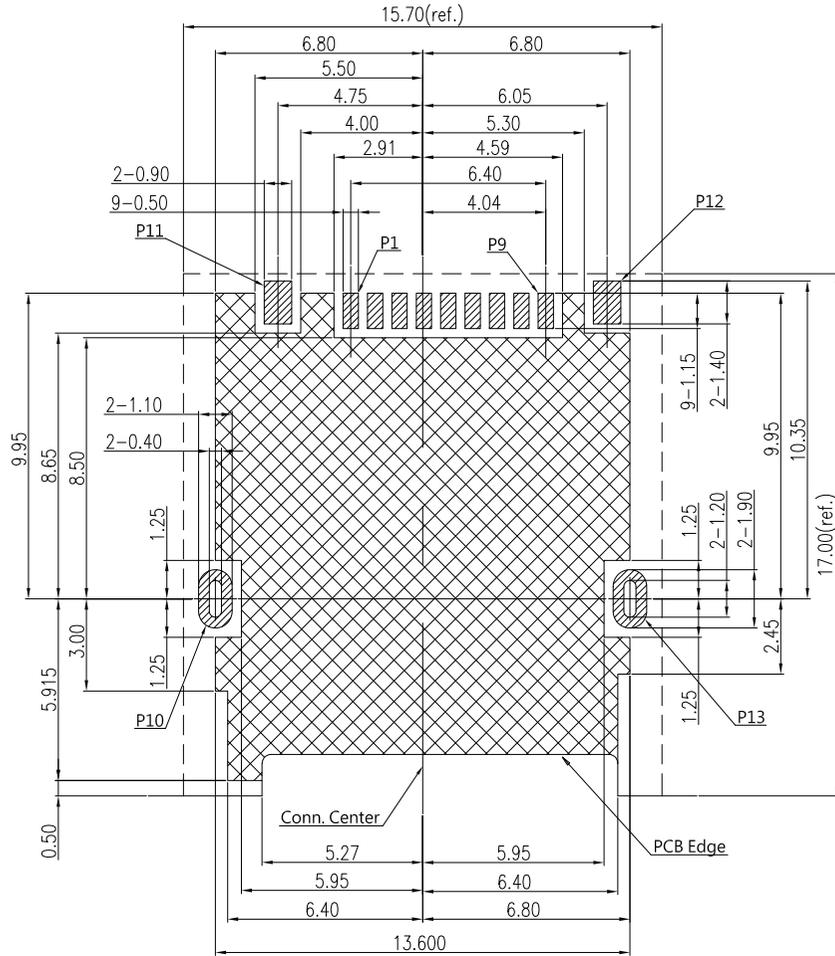
2-2. SHELL:

2-2-1. SOLDERABLE: OVER PLATING Ni 50" OVER ALL.

(3) CONTACT AND TAIL COPLANARITY TO BE 0.10mm MAX

(4) RECOMMENDING A METAL MASK MORE THAN 0.15MM THICK.
 PLEASE CONFIRM SOLDERABILITY, IF USE A METAL MASK
 LESS THAN 0.15MM THICK

STENCILS AREA RELATIVE TO PAD AREA:
 LENGTH: 1.5 : 1 WIDTH: 1 : 1



RECOMMENDED PCB LAYOUT
 TOLERANCE UNLESS OTHERWISE IS ±0.05

- PAD AREA
- VIA AND TRACE KEEP OUT AREA
- OTHER COMPONENT KEEP OUT AREA

PIN ASSIGNMENT

Pin No.	Pin Assignment
P1	MICRO SD DAT2
P2	MICRO SD CD/DAT3
P3	MICRO SD CMD
P4	MICRO SD VDD1
P5	MICRO SD CLK
P6	MICRO SD VSS
P7	MICRO SD DAT0/RCLK+
P8	MICRO SD DAT1/RCLK-
P9	MICRO SD CD
P10	GND
P11	GND
P12	GND
P13	GND



Matrix Electronics Co., Ltd

TOLERANCE: X.X ±0.50 X.XX ±0.30 X.XXX ±0.20 X.XXXX ±0.10 ANGLE: ±3°	DESIGN BY : Hanson Huang	DATE : 2022/09/8	PART NAME: MICRO SD3.0 PUSH TYPE, BOTTOM MOUNT 非座
	CHECKED BY: Vicky Hsieh	DATE : 2022/09/8	PART NO. MMS-01-03-09-14-74
	APPROVED BY1: Richard Hsieh	DATE : 2022/09/8	MOLD NO. NA
UNIT: mm [inch] SCALE: 1:1 SIZE: A4	APPROVED BY2: Richard Hsieh	DATE : 2022/09/8	DRAW NO. SHEET NO. 2 OF 2