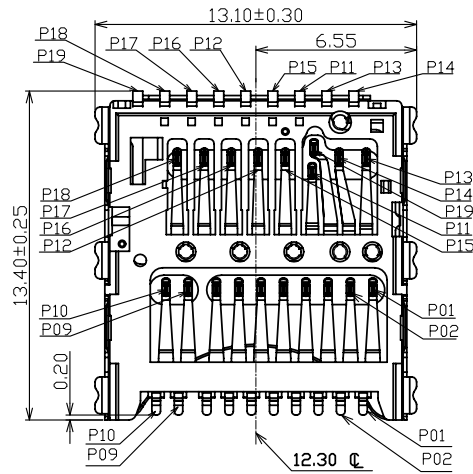
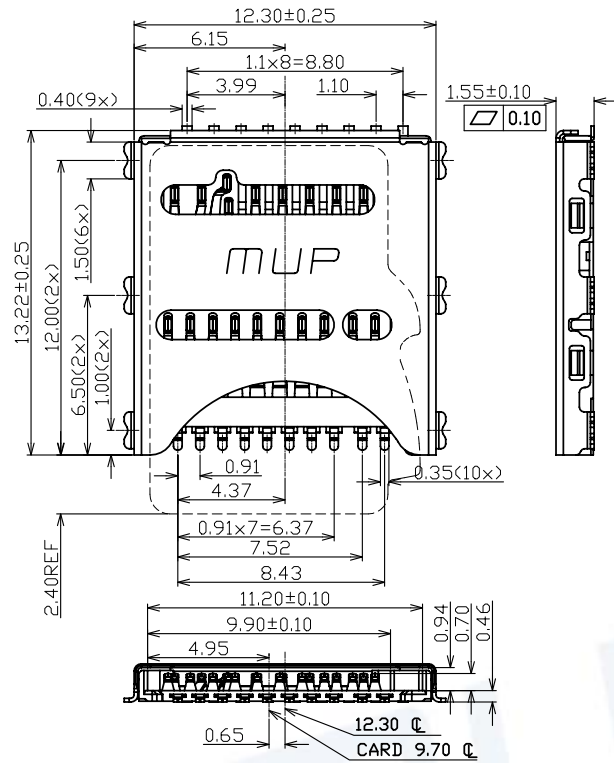
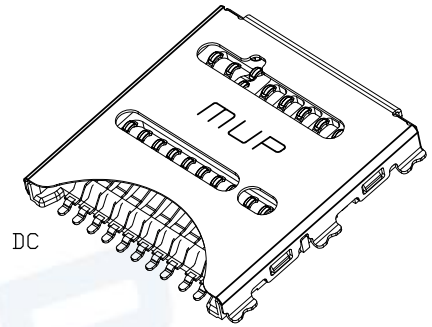


REV.	DESCRIPTION OF REVISIONS	APPR.	CHKD.	DRAW.	DATE
△	NEW			Henry	2018/08/23
△	Original Model M6101-1			Henry	2023/10/24



TECHNICAL CHARACTERISTICS

- General Characteristics
Dimensions: 13.22L X 12.30W X 1.55H mm
Weight: Approx. 0.5g
Durability: 1,500 cycles min.
- Electrical Characteristics
Contact resistance: 50mΩ typical, 100mΩ Max
Insulation resistance: >1000m/500V DC
- Solderability
Vapor phase: 215°C, 30sec. Max
IR reflow: 260°C, 5~10sec. Max
Manual soldering: 370°C, 3sec. Max
- Environmental Characteristics
Operating temperature: -25°C ~ +85°C
Storage Temperature: -40°C ~ +85°C
Operating humidity: 10% ~ +95%RH

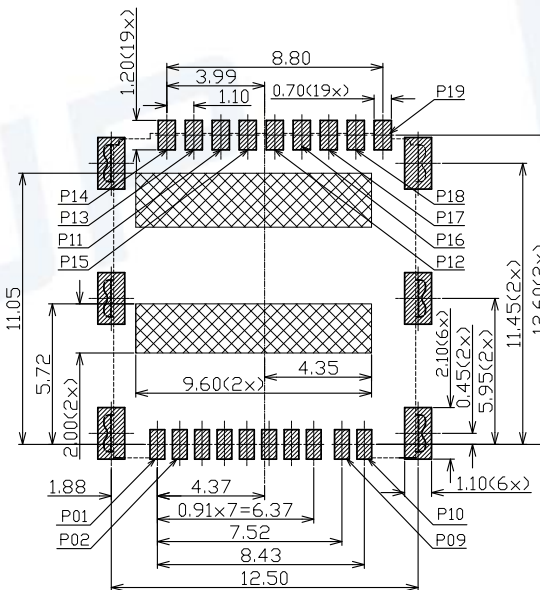
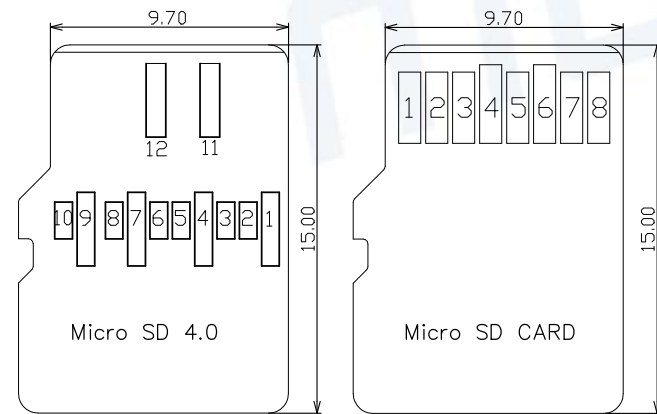


UFS CARD PIN FUNCTION DEFINITION:

UFS card	UFS socket	FUNCTION
P01	→ P01	VSS
P02	→ P02	DIN_C
P03	→ P03	DIN_T
P04	→ P04	VSS
P05	→ P05	DDOUT_C
P06	→ P06	DDOUT_T
P07	→ P07	VSS
P08	→ P08	REF_CLK
P09	→ P09	VCCQ2
P10	→ P10	C/D<GND>
P11	→ P11 P19	VSS
P12	→ P12	VCC

MICRO SD CARD PIN FUNCTION DEFINITION:

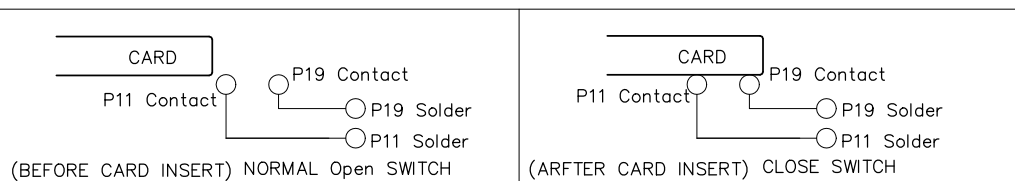
SD card	UFS socket	FUNCTION
P01	→ P18	DATA LINE<BIT 2>
P02	→ P17	CARD DETECT/ DATA LINE<BIT 3>
P03	→ P16	COMMAND RESPONSE
P04	→ P12	SUPPLY VOLTAGE
P05	→ P15	CLOCK
P06	→ P11 P19	SUPPLY VOLTAGE GROUND
P07	→ P14	DATA LINE<BIT 0>
P08	→ P13	DATA LINE<BIT 1>



RECOMMENDED P.C.B LAYOUT COMPONENT SIDE (TOLERANCE ±0.05)

- ▨ PAD AREA
- ▤ CONNECTOR OUTLINE
- ▣ NO PATTERN AND VIA HOLE IN THIS AREA

CIRCUIT DIAGRAM FOR DETECT SWITCHES



ITEM	PART NAME	Q'TY	MATERIAL	FINISH
1	HOUSING	1	Hi-temp Thermoplastic	Black UL94V-0
2	DATA CONTACT	18	Copper Alloy	Contact area: Gold plated
3	SWITCH	1	Copper Alloy	Contact area: Gold plated
4	SHELL	1	Stainless Steel	Solder area: Gold plated

Unless otherwise specified, other tolerance are:

MUP MUP INDUSTRIAL CO.,LTD.

NAME: **UFS Card Connector**
 MODEL NO: **MUP-M6101-01**
 TYPE: **H1.55mm with switch pin**

PROJ.	UNIT	SCALE	DRAWN	Henry Aug.23.2018	DWG NO.:	DWG-M6101-01-01	
APPROVAL	Simon Aug.23.2018	CHECKED	Henry Aug.23.2018	SHEET	1/1	REVISION	2

CUSTOMER DRAWING

