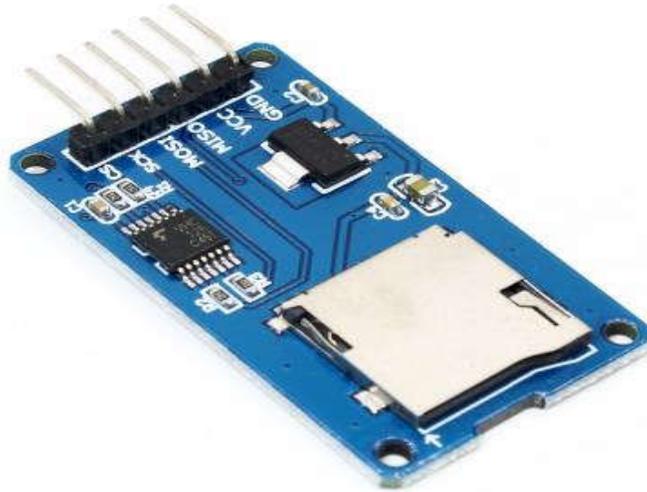


# MICRO SD CARD MODULE

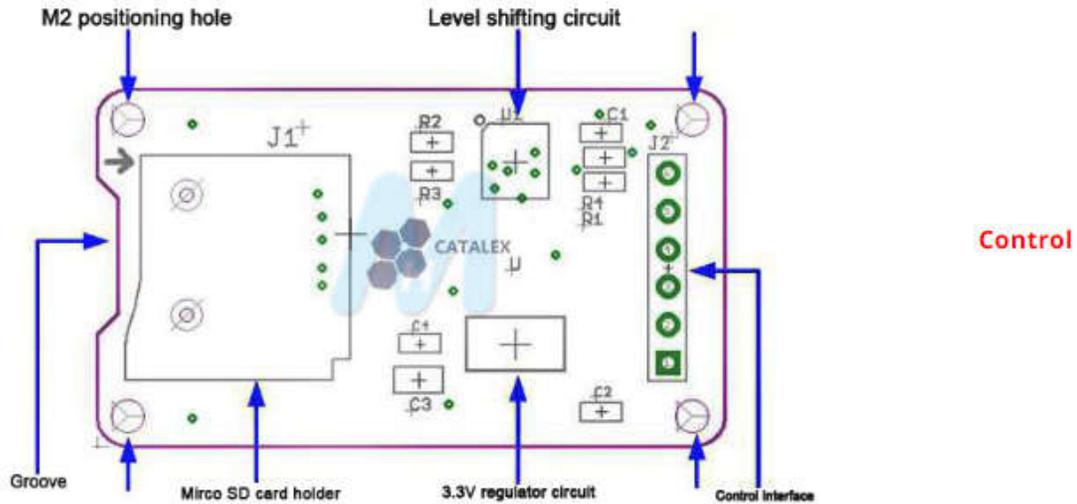


Micro SD card mini TF module for arduino, reader, SPI interfaces with level converter chip

## Module Features:

1. Support Micro SD card, Micro SDHC card (high speed card)
2. Built-in level change circuit, that is, the interface level can be 5V or 3.3V
3. The power supply is 4.5V ~ 5.5V, integrated regulator circuit of 3.3V
4. The Communication interface is a standard SPI interface
5. 4 M2 screw positioning holes for easy installation

project	Minimum value	Typical value	Maximum	unit
Power supply voltage VCC	4.5	5	5.5	V
Current	0.2	80	200	mA
Interface level	3.3或5			V
Support card type	Micro SD卡(<=2G), Mirco SDHC卡 (<=32G)			—
size	42X24X12			mm
weight	5			g



**interface:**

A total of 6 pins (GND, VCC, MISO, MOSI, SCK, CS), GND is ground, VCC is power, MISO, MOSI, SCK is SPI bus, CS is signal pin chip selection;

**3.3V Voltage Regulator Circuit:**

The 3.3V of LDO regulated output is the level converter chip and Micro SD card.

**Circuit level change:**

The signal to the direction of the Micro SD card is converted to 3.3V, and the MISO signal from the Micro SD card to the control interface is also converted to 3.3V. Usually the AVR microcontroller system can read the signal;

**Micro SD bridge:**

It is a self-elastic card holder for easy insertion and removal of cards.

**Positioning hole :**

4 M2 screw positioning holes with a hole diameter of 2.2mm, which makes the module easy to install and position, and realize the combination of modules;