UM-UNO DataSheet

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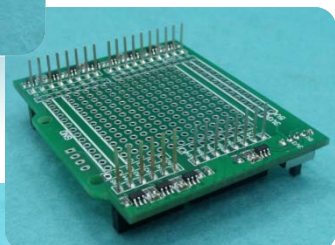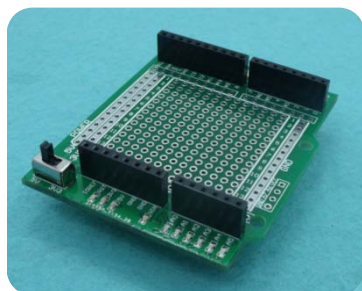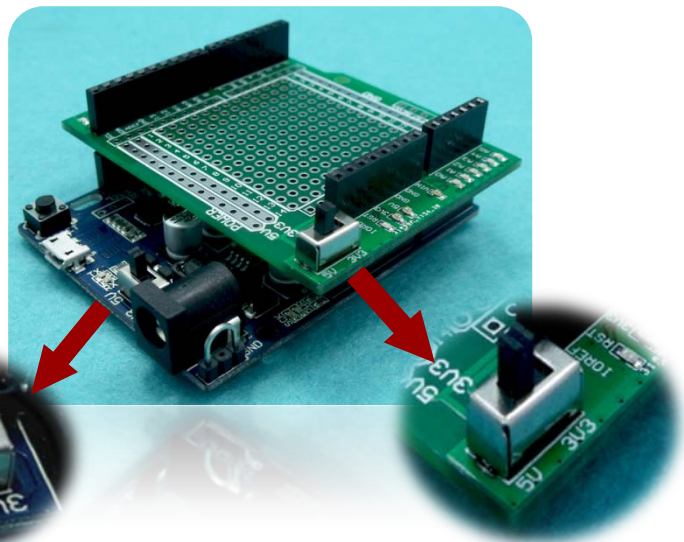Everything done inhouse

● **Introduce**

UM-UNO design for Arduino UNO. It's a **LED IO status indicator & Prototype DIY shield**.

The LED extend from IO port is a good innovation for user. By this way, user can be easily to instruct the status of every IO port and quickly determine the abnormal situation. All the LED are high impedance input, the leakage will be very small, so it will never not affect the normal work of the IO interface.

Notice: Most derivative Ardunio UNO will have a voltage switch in generally. In order to get the more accurate status, we need to maintain the same voltage of UM-UNO and Arduino-UNO. The other special features of UM-UNO is the addition of a prototype DIY area. It solves the wiring problem in the Arduino UNO experiment. User could easily design and complete the IO interface experiment.

● **Features**

➢ LED IO status indicator
➢ Prototype DIY
➢ 3.3V or 5V operating voltage selectable
➢ Simple and easy to use
➢ Directly connect to UNO
➢ Low cost

● **Example code**

```
int i = 0;
void setup() {
    for (i=1;i<=19;i++)
        pinMode(i, OUTPUT);
}
void loop(){
    for(i=0;i<=13;i++)
    { digitalWrite(i+1,HIGH);
      delay(30);
    }
    for(i=14;i<=19;i++)
    { digitalWrite(i+1,HIGH);
      delay(30);
    }
    for(i=19;i>=14;i--)
    { digitalWrite(i,LOW);
      delay(30);
    }
    for(i=13;i>=0;i--)
    { digitalWrite(i,LOW);
      delay(30);
    }
}
```

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