

UNIT-Digi-Clock

SKU:U146



Description

UNIT-Digi-Clock is a 2.1 inch 4-digit 7-segment display module. There are decimal points on each digit and an extra wire for colon-dots in the center, which can display Decimals and Clock. This module adopts TM1637 as the driver IC, and STM32F030 as I2C communication. I2C address can be modified per 4-bit dip switch. The red LED supports 8 brightness. And we have reserved 4 fixing holes there.

Features

- 4-digit red display
- I2C port, adjustable I2C address
- 8 brightness
- Low power consumption
- 4 fixing holes for multiple installations

Includes

- 1x UNIT-Digi-Clock
- 1x HY2.0-4P Cable (20cm)

Application

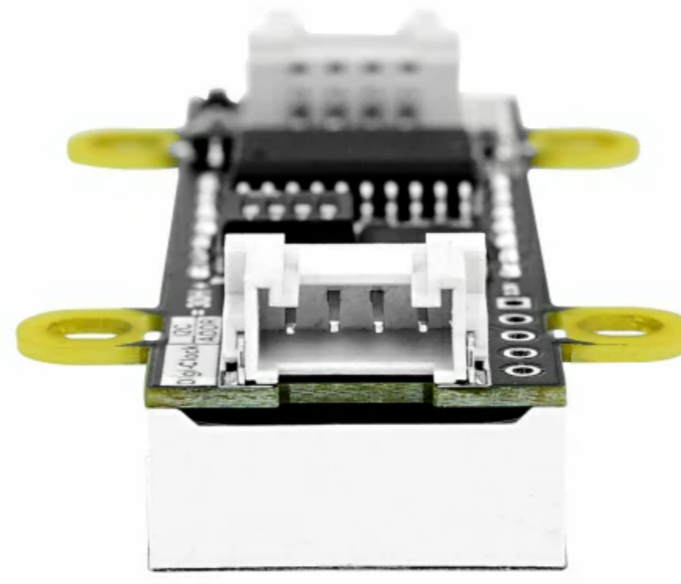
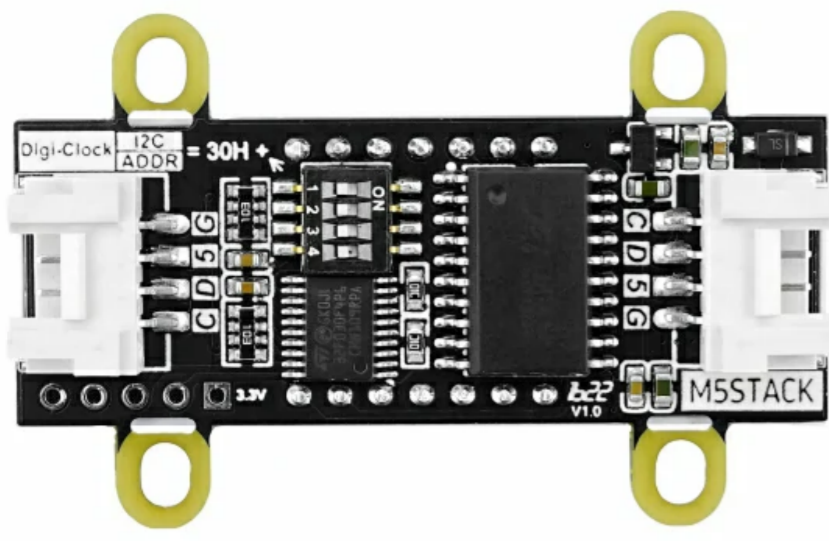
- Clock display
- Data display
- Stop watch

Specifications

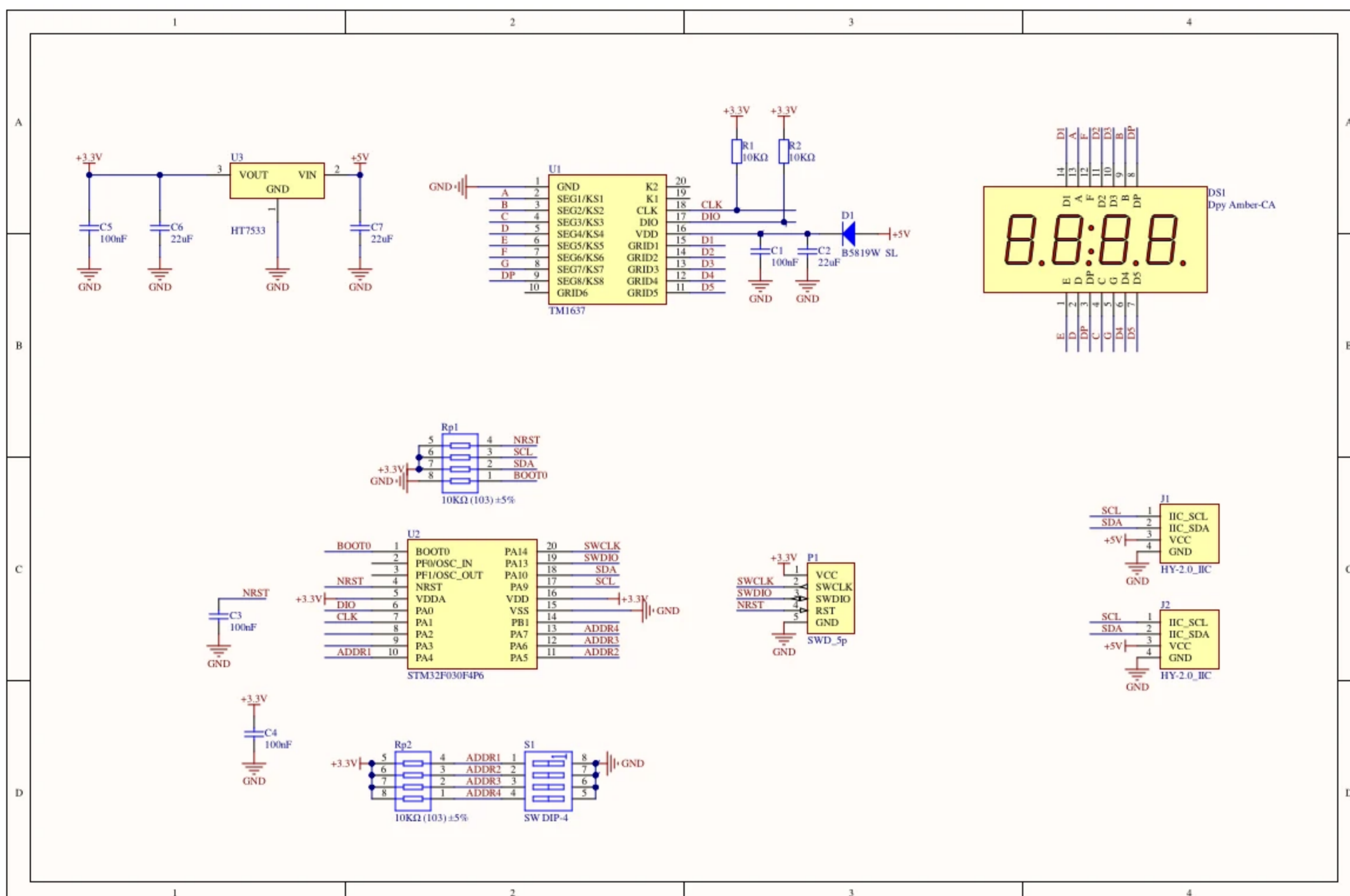
Spec	Parameters
MCU	STM32F030
Driver IC	TM1637
Communication	I2C, addr: 0x30
Power Supply	5V DC
Net Weight	12.5g
Gross Weight	17.8g
Product Dimension	50 * 31 * 14mm
Package Dimension	136 * 92 * 15mm

Power Consumption Testing

Environments	Current on DC5V
Standby Mode(All off)	2.5mA
SG1	6.6mA
SG2	10.3mA
SG3	17.5mA
SG4	38.7mA
SG5	42.0mA
SG6	45.7mA
SG7	49.2mA
SG8(All on)	52.5mA



Schematic



Related Link

- [Datasheet](#)
 - [TM1637](#)

Examples

Arduino

- [M5Unit-Digi_Clock Lib](#)

```

#include "M5Stack.h"
#include "M5UNIT_DIGI_CLOCK.h"

M5_DIGITAL_CLOCK Digiclock;

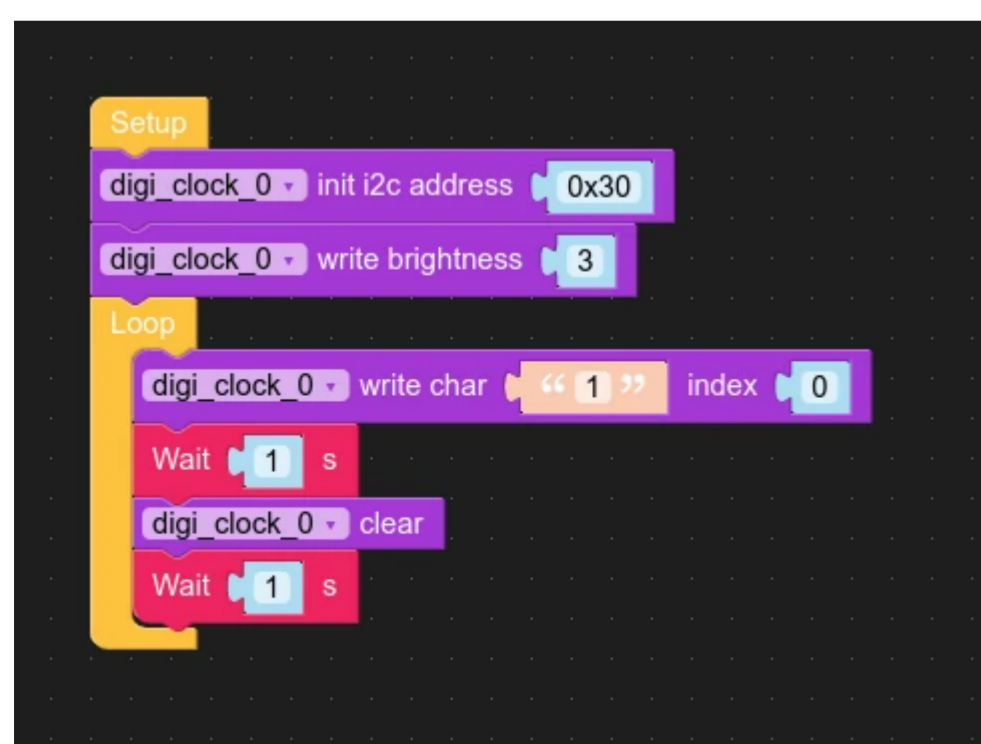
void setup() {
  M5.begin(1, 0, 1);
  M5.dis.fillpix(0xFFFFFFFF);
  delay(50);
  M5.dis.fillpix(0X000000);
  delay(500);

  /* Digital clock init */
  if (Digiclock.begin(&Wire, 26, 32)) {
    Serial.println("Digital clock init successful");
    M5.dis.fillpix(0x00FF00);
  } else {
    Serial.println("Digital clock init error");
    M5.dis.fillpix(0xFF0000);
    while (1);
  }
  char buff[] = "    ";
  Digiclock.setString(buff);
  delay(2000);
}

void loop() {
  char buff[] = "8.8.:8.8.";
  Digiclock.setString(buff);
  delay(500);
}

```

UIFlow



FAQ

