

AOTOM 20070-1A04 VFD Module for Arduino /AVR/PIC/STM/ARM/PI 5V ready

Specifications(For reference only):

Panel Name: AOTOM 20070-1A04

Panel Size: 70 mm*20mm;

Panel Color: Green;

Digit Height: 6.5 mm;

Supply: 5V DC;

Max Current: ~150 mA;

Module Size: 82mm(L)*30mm(W)*9mm(H)(*17mm(H)with the 2.54mm pins);

PCB Size: 82mm*30mm;

PCB Color: Green;

Weight: ~128g;

The module works with any 5V DC MCU, especially designed for ARDUINO!

Features:

- 1).5V Ready, easy to be used. Can connect to your ARDUINO UNO board with only 3 single wires;
- 2).High efficiency power circuit, no transformer, no heat, Low HV, very safe, High Brightness;
- 3).All SMT components, very thin PCB, easy to be driven;
- 4).All segments in the VFD panel can be lighted up, including the dots,colons;
- 5).Contains over-current protection, and reverse connection protection circuits;
- 6).Open source ARDUINO UNO source code, pure C code, provide high level vfd_printf() function, easy to be used, also provide a simple clock source code which you can adjust the Hour and Minute for ARDUINO UNO.
- 7).Simple 3-wire SPI interface, with EN pin, support adjusting the global brightness and shutdown the High Voltage and Filament Supply completely.

Interface: 3-wire SPI:

DIN

CLK

LATCH(STROB)

+5V

GND

EN - High voltage & filament supply enable(optional)

For video(s):

https://youtu.be/_o300iGa0s8

For more information:

<http://vfdclock.jimdo.com>

The source code is for ARDUINO UNO, running in ARDUINO V1.04.