

# Data Sheet

**ARD 2**

## Arduino Compatibles

Controllers, Shields, Modules & Sensors

### 4 Digit 7-Segment LED Display Module **ARD2-2074**

- Display any four 7-segment LED digits on this module
- Pure software implementation
- Applications such as timers & sensor input displays

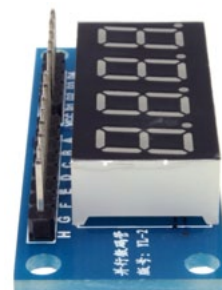
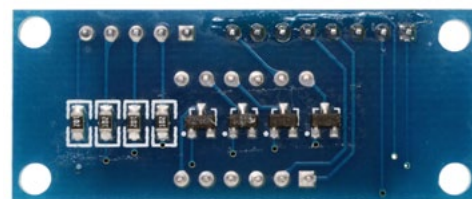
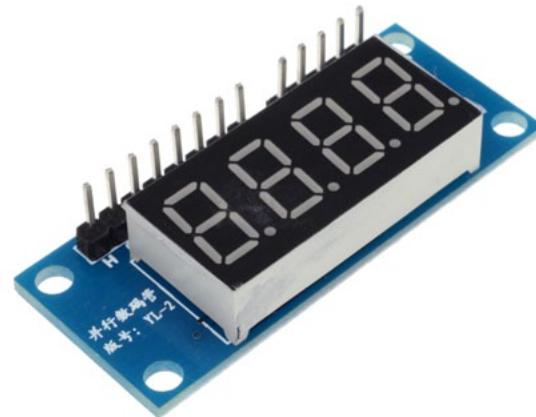
#### Description

This is a 4 digit 7-segment display that displays in red. Some possible applications include timers & sensor input displays.

Drivers A B C D E F G H must be connected to the IO port of the MCU via a 470Ohm resistor. Driver D1, D2 D3 D4 can be directly connected to the IO port of MCU. Note: the module can be connected to the IO port of MCU (need 12 IO ports) to control the 4-digit LED segment display. Each segment A–H needs a 470Ohm resistor in series to limit the current in the segment LEDs. There is no need for any other driver and buffer register.

#### Pinout

Module	Arduino	Function
VCC	5V	Power Supply
D1	D2	Digit 1 Enable
D2	D3	Digit 2 Enable
D3	D4	Digit 3 Enable
D4	D5	Digit 4 Enable
A	D6	Com. Segment A
B	D7	Com. Segment B
C	D8	Com. Segment C
D	D9	Com. Segment D
E	D10	Com. Segment E
F	D11	Com. Segment F
G	D12	Com. Segment G
H	D13	Com. Decimal Point (DP)



Page 1 of 2



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 **WILTRONICS**

Wiltronics Research Pty. Ltd. ABN 26 052 173 154  
5–7 Ring Road, Alfredton VIC 3350 | P.O. Box 4043, Alfredton VIC 3350  
[sales@wiltronics.com.au](mailto:sales@wiltronics.com.au) | Phone: (03) 5334 2513 | Fax: (03) 5334 1845

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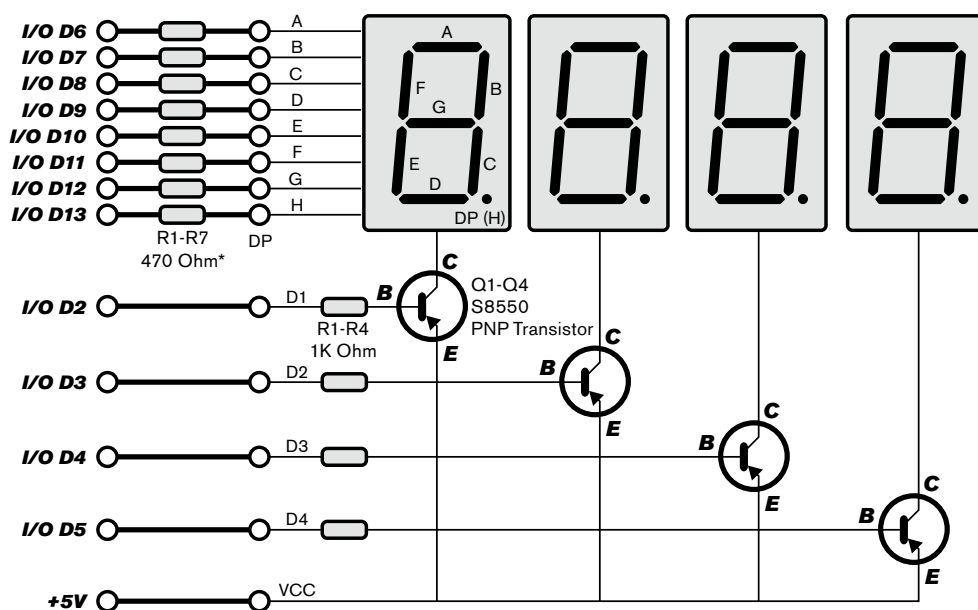
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### Specifications

<b>Operating Voltage</b>	3.3–5.0VDC
<b>Digital tube model</b>	0.36" (9mm) common anode digital tube
<b>Dimensions</b>	48mm x 22mm x 12mm
<b>Weight</b>	12g
<b>LED Display Colour</b>	Red
<b>Luminance levels</b>	Adjusted by value of series resistors on D5–D12

### Circuit Diagram



\* 8 X 470 R1-R7 Ohm resistors to be fitted in series with D6-D13 (A-H) line-ins.



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