

## Red 7-segment clock display - 1.2" digit height

PRODUCT ID: 1264

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[DESCRIPTION](#)[TECHNICAL DETAILS](#)

## DESCRIPTION

I like big seven-segment displays and I cannot lie! Design a clock, timer or counter into your next project using our pretty, candy-bar sized 4-digit seven-segment display. These bright crisp displays are good for adding numeric output. Besides the four 7-segments there is a top right dot (perhaps useful as a degrees symbol) and two sets of colon-dots (good for time-based projects).

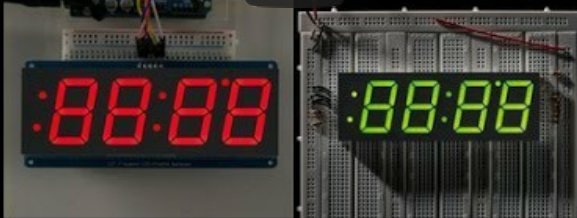
These are 38mcd bright per segment. Each segment is made of two LEDs in series for even coloring (check the datasheet for a diagram). You can drive these with less current to get the same brightness to save power, or crank them up to 20mA and have them at their brightest.

These displays are multiplexed, common-cathode. What that means is that you can use a [74HC595](#) or just 8 microcontroller pins if you can spare them to control the 8 anodes (7-seg + decimal) at about ~15mA each, and then connect [NPN transistors](#) or a [TPIC6B595](#) to the cathodes to sink the  $8 \times 20\text{mA} = \sim 120\text{mA}$  maximum per digit.

**We strongly recommend getting our backpack version, which comes with an LED driver on the back.** This version is just the raw display, and requires a lot more work to get running!

These come in a bright red color, [we also have many other sizes and colors!](#)

New Products 2/16/2013



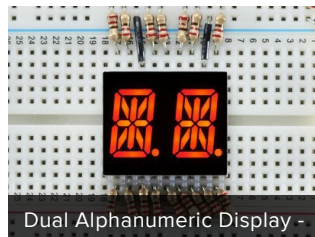
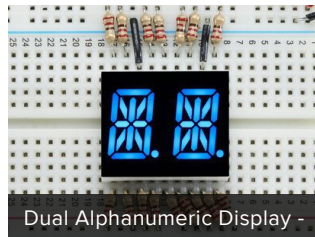
Red 7-segment clock display - 1.2" digit height ([1:50](#))

## TECHNICAL DETAILS

- This is a Common Cathode LED display
- Dimensions: 120mm x 41mm
- [Datasheet](#)
- Weight: 50.8g



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