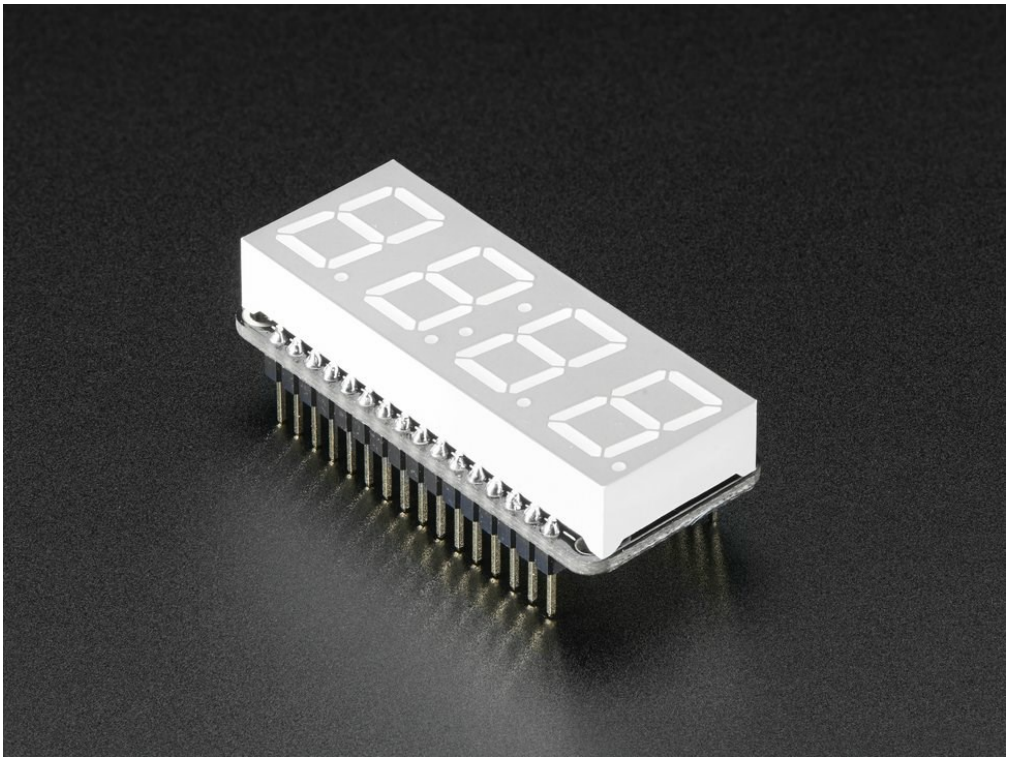

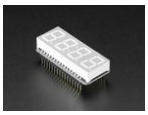

Adafruit 0.56" 4-Digit 7-Segment FeatherWing Display - Yellow

PRODUCT ID: 3110

There are multiple versions of this item. Please select one from the options below:

Yellow

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DESCRIPTION

TECHNICAL DETAILS

LEARN

DESCRIPTION

One segment? No way dude! 7-Segments for life!

This is the **Yellow Adafruit 0.56" 4-Digit 7-Segment Display w/ FeatherWing Combo Pack**! We also have these combo packs in Green, Red, White, and Blue!

7-Segment Matrices like these are 'multiplexed' - so to control all the seven-segment LEDs you need 14 pins. That's a lot of pins, and there are driver chips like the MAX7219 that can control a matrix for you but there's a lot of wiring to set up and they take up a ton of space. Here at Adafruit we feel your pain! After all, wouldn't it be awesome if you could control a matrix without tons of wiring? That's where these LED Matrix FeatherWings come in!

The 7-segment FeatherWing backpack makes it really easy to add a 4-digit numeric display with decimal points and even 'second colon dots' for making a clock.

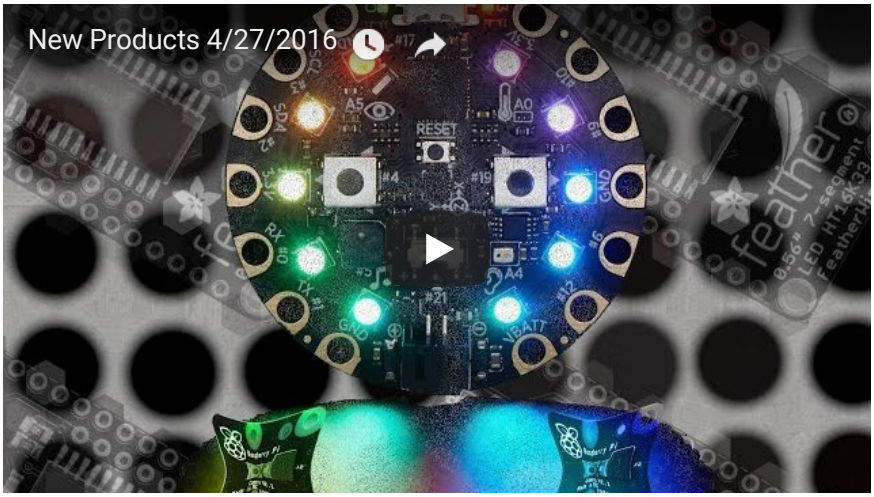
The LEDs themselves do not connect to the Feather. Instead, a matrix driver chip (HT16K33) does the multiplexing for you. The Feather simply sends i2c commands to the chip to tell it what LEDs to light up and it is handled for you. This takes a lot of the work and pin-requirements off the Feather. Since it uses only I2C for control, it works with any Feather and can share the I2C pins for other sensors or displays.

The product kit comes with:

- A fully tested and assembled Adafruit 4-Digit 7-Segment LED Matrix Display FeatherWing
- Ultra-bright 4-digit 0.56" tall yellow seven-segment display
- Two 16-pin headers

A bit of soldering is required to attach the matrix onto the FeatherWing but its very easy to do and only takes about 5 minutes. Check out our detailed tutorial for pinouts, assembly, Arduino

and CircuitPython usage, and more!



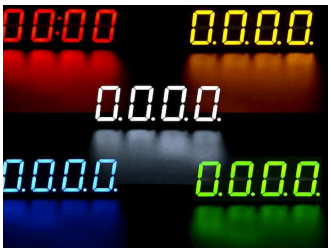
TECHNICAL DETAILS

This board/chip uses I2C 7-bit address between 0x70-0x77, selectable with jumpers

- FeatherWing Dimensions: 51mm x 23mm x 4.2mm / 2.0" x 0.9" x 0.165"
- Backpack Weight: 4.8g
- 7-Segment Display Dimensions: 50mm x 19mm x 14.5mm / 2.0" x 0.75" x 0.57"
- 7-Segment Display Weight: 9.1g
- EagleCAD PCB files, schematic, Arduino and CircuitPython LED Backpack library, and Fritzing available in the product tutorial

RoHS

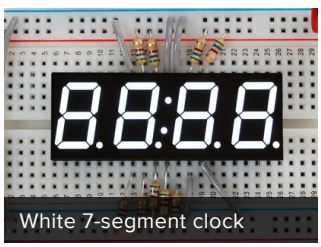
LEARN

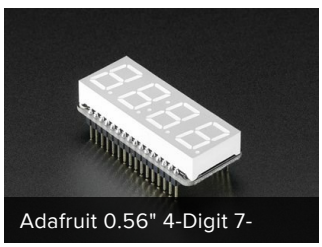


Adafruit 7-Segment LED FeatherWings
Give your Feather some big numbers

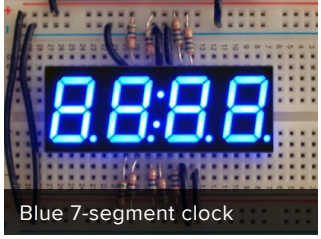
7 Segment Display Internet Clock
NTP-enabled clock in your favorite color

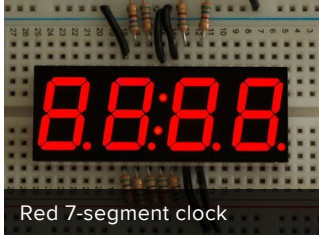
MAY WE ALSO SUGGEST...



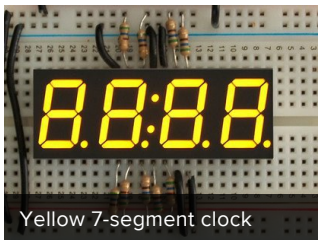


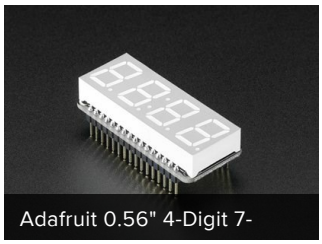

Adafruit 0.56" 4-Digit 7-

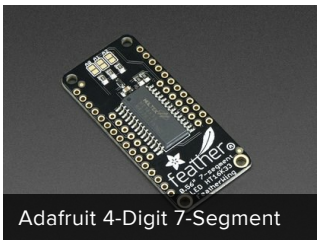

Blue 7-segment clock

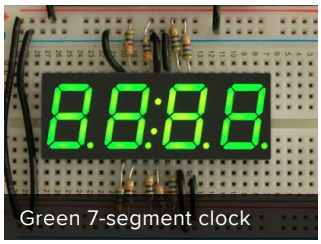

Red 7-segment clock


Adafruit 0.56" 4-Digit 7-


Yellow 7-segment clock


Adafruit 0.56" 4-Digit 7-


Adafruit 4-Digit 7-Segment


Green 7-segment clock


Adafruit 0.54" Quad

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