Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!
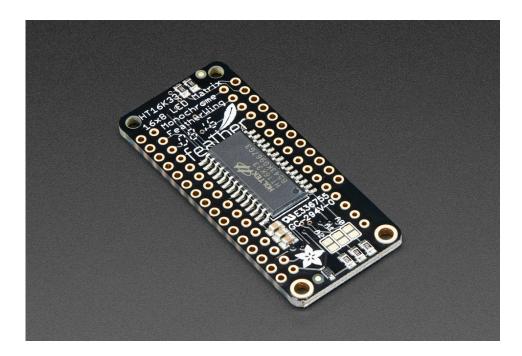
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Adafruit 8x16 LED Matrix FeatherWing w/o Matrices
PRODUCT ID: 3090

Description

You will chirp with delight when you see how easy it is to make your very own 8x16 LED matrix display for any Feather. At 0.8" square, the little 8x8 matrices have everything a big LED matrix has, but bite sized!

A Feather board without ambition is a Feather board without FeatherWings! This is the **Adafruit 8x16 LED Matrix FeatherWing!** This FeatherWing backpack makes it easy to combine and control two of our adorable mini 8x8 LED matrices with a FeatherWing driver board. Double them up for 128 total bright LEDs.

Works with any and all Feathers!

Normally, wiring up 8x16 matrices would require a breath-taking 24 GPIO pins, which is way too many pins. That's where this lovely 16x8 LED matrix backpack PCB comes in. It contains a HT16K33 I2C LED matrix driver that does all the multiplexing work for you, and is controlled over the two I2C pins. It's easy to use, has a portable library that runs on any of our Feathers to turn on/off each LED.

The 16x8 backpack is also great for making scrolling displays or small video displays. In our example, we set it up to display small bitmap emoticons but you can also display text that moves – kind of like a sign in front of a miniature car dealership.

This product kit comes with:

A fully tested and assembled Adafruit 8x16 LED Matrix FeatherWing

Two sixteen 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!

This version does not come with the 8x8 mini LED matrix displays, but we have lots available in the shop. We also have combo-packs available in White, Blue, Green, Red, Yellow, and Yellow-Green.

Technical Details

Product Dimensions: 51.0mm x 23.0mm x 5.0mm / 2.0" x 0.9" x 0.2"

Product Weight: 6.3g/0.2oz

Engineered in NYC Adafruit ®