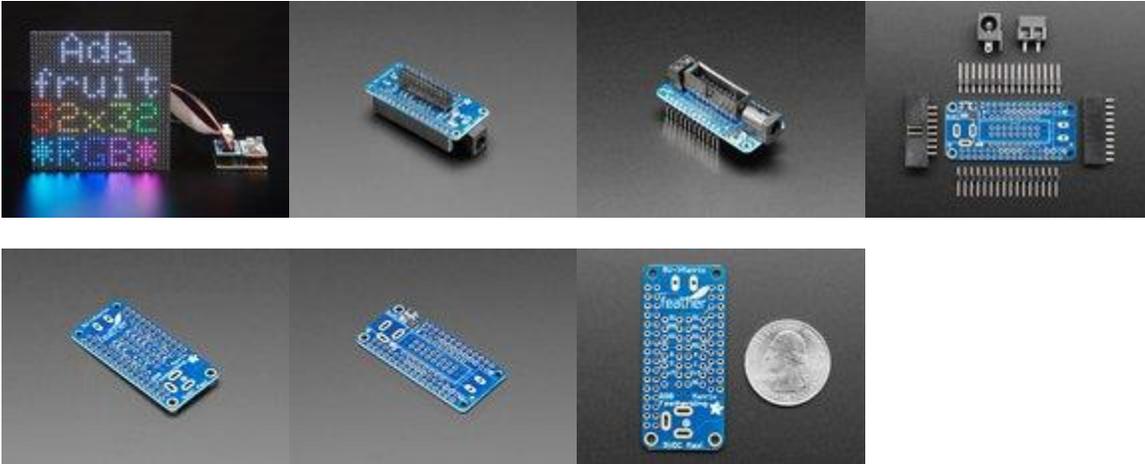




# Adafruit RGB Matrix Featherwing Kit – For M0 and M4 Feathers

PRODUCT ID: 3036



<https://www.adafruit.com/product/3036 - Slide1>

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## DESCRIPTION

Ahoy! It's time to create a dazzling light up project with our new RGB Matrix FeatherWing. Now you can quickly and easily create projects featuring your favorite 16 or 32-pixel tall matrix boards. Using our RGB Matrix library is easy and works wonderfully with any of our M0 or M4 based Feathers.

Please note: This wing is only tested/designed to work with the SAMD21 M0 and SAMD51 M4 Feathers. It's not for use with any other Feathers at this time. (That said, if you'd like to add support, [we'd be happy to take a pull request](#) on the library repo)

This wing can be assembled in one of two ways. You can either solder in a 2x8 IDC shrouded header on the top, then plug in the IDC cable that came with your matrix. This makes it easy to stack on top of your Feather. Or, you can solder in the 2x10 socket header on the *bottom* of the Wing, and then stack your Feather on top. That way you can *plug it directly into the back of the matrix* \*mind blown\*

This FeatherWing will work great with any of our [16x32](#), [32x32](#) or [64x32](#) RGB matrices, and is definitely the easiest way to glow and go.

Either way you decide to go, you can plug a 5V DC power pack into the 2.1mm DC jack. That 5V is polarity protected and then output on the other side to a 5.08mm terminal block. An onboard regulator will provide 3.3V power to your Feather so you don't need a separate USB or battery, this makes for a very compact build!

Each order comes with one FeatherWing PCB with surface mount parts attached, a 2x8 IDC header, a 2x10 female socket, 2.1mm DC jack, 5.08mm terminal block, and some male header. You may also want some [Feather stacking headers](#) or [female headers](#) depending on how you plan to attach/stack your Feather.

## . TECHNICAL DETAILS

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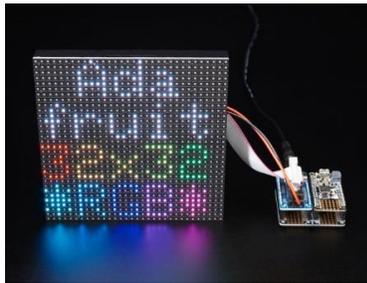
Product Dimensions: 51.0mm x 23.0mm x 4.0mm / 2.0" x 0.9" x 0.2"

Product Weight: 3.5g / 0.1oz

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## . LEARN

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[Primary Guide: Adafruit RGB Matrix FeatherWing](#)

Blast those pixels!

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