

# RGB Matrix Featherwing Kit for M0 & M4

## Product Overview

08-26-2021

For the most up-to-date information, visit [www.mouser.com](http://www.mouser.com) or the supplier's website.

## Description

Adafruit RGB Matrix Featherwing Kit for M0 & M4 Feathers can be used to create dazzling light up projects. The users can create projects quickly and easily with 16- or 32-pixel tall matrix boards. Adafruit's RGB Matrix library is easy and works with any M0 or M4 based Feathers. 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. The wing can be assembled with solder in a 2x8 IDC shrouded header on the top, then plug in the IDC cable that came with the matrix. This makes it easy to stack on top of the Feather. Or, solder in the 2x10 socket header on the bottom of the Wing, and then stack the Feather on top. Plug it directly into the back of the matrix.



This FeatherWing works with any 16x32, 32x32 or 64x32 RGB matrices. 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 the Feather with no need for a separate USB or battery. Each kit includes one FeatherWing PCB with surface mount parts attached, 2x8 IDC header, 2x10 female socket, 2.1mm DC jack, 5.08mm terminal block, and some male header. Feather stacking headers or female headers may be needed depending on how the Feather is attached/stacked.

## Features

- Product Dimensions: 51mm x 23mm x 4mm
- Product Weight: 3.5g / 0.1oz

## Mouser Part Number(s)

[485-3036](http://www.mouser.com/485-3036)

To learn more, visit <https://www.mouser.com/new/adafruit/adafruit-rgb-matrix-featherwing-kit/>