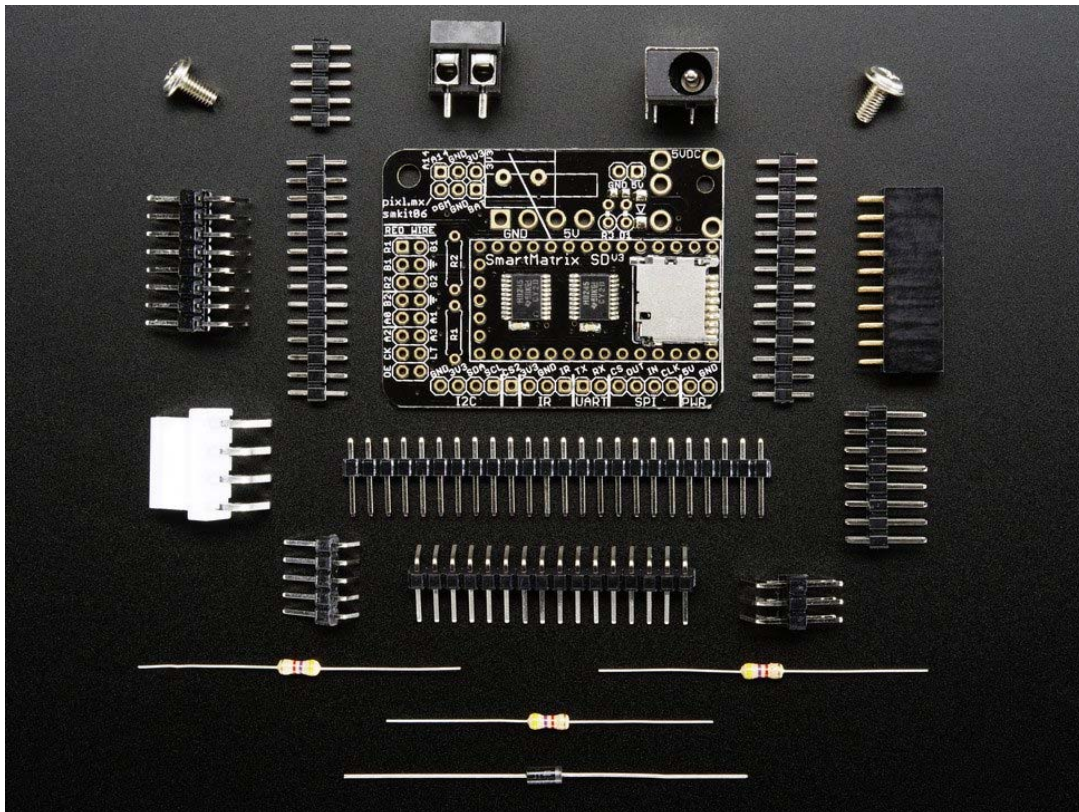# SmartMatrix SD Shield v3 - for Teensy 3.2

PRODUCT ID: 1902

Description

- . So you have a Teensy and a RGB LED Matrix Panel and you want an easy way to add graphics to your matrix without having to toss aside your Teensy or do too much soldering. Enter the **SmartMatrix SD Shield v3 - for Teensy 3.1**, **3.2 (not the Teensy LC)!**

Features:

- o HUB75 pinout, connects to panel directly or using panel's ribbon cable
- o External barrel jack for power supply input, and two options to output power to panel
- o MicroSD card reader (microSD card not included)
- o 5V level shifters for better compatibility with 5V panels
- o Expansion port, bringing free Teensy pins out for easy expansion

The example sketches included with the SmartMatrix Library will get you started quickly displaying graphics, patterns, or even animated GIFs from a microSD card on your panel.

The shield brings the 13 I/O signals needed to drive the panel out to a connector that matches the pinout on the panel, and brings the rest of the I/O signals out to convenient expansion headers. The board includes pre-soldered 5V level shifters and a microSD card slot.

It's a great board for easily expanding your Teensy's capabilities. Comes as a kit of components, but the small parts are soldered already, leaving fairly easy to solder through-hole components. You'll also need to program in your Teensy with the SmartMatrix code available on the project website.

Technical Details

- o Check out PixelMatix's ShieldMatrix kit assembly guide
- o Dimensions: 49mm x 37mm x 2mm / 1.9" x 1.5" x 0.08"
- o Height w/ Components: 15mm / 0.6"
- o Weight: 21.5g

Revision History:

- o As of Monday, June 1st, 2015 we are selling the upgraded SmartMatrix SD Shield version 3.