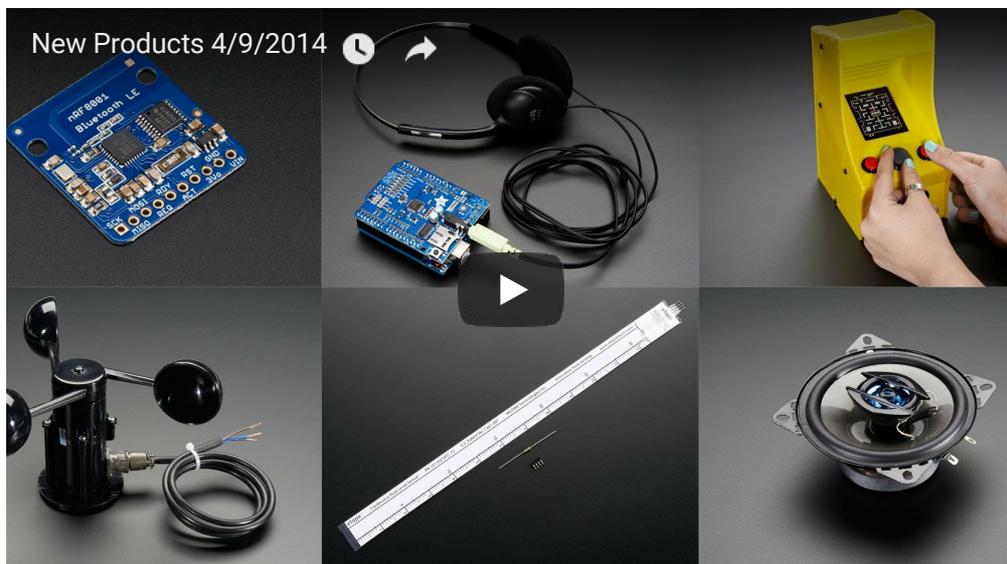The audio chip connects to Teensy v3 using 7 signals. The I2C pins SDA and SCL are used to control the chip and adjust parameters. Audio data uses I2S signals, TX (to headphones and/or line out) and RX (from line in or mic), and 3 clocks, LRCLK (44.1 kHz), BCLK (1.41 MHz) and MCLK (11.29 MHz). All 3 clocks are created by Teensy 3.1. The SGTL5000 chip operates in "slave mode", where all its clock pins are inputs.

As of February 23rd, 2015 we are shipping an updated version with a few minor changes.

This product does NOT include a Teensy, it's just the audio adapter!

New Products 4/9/2014
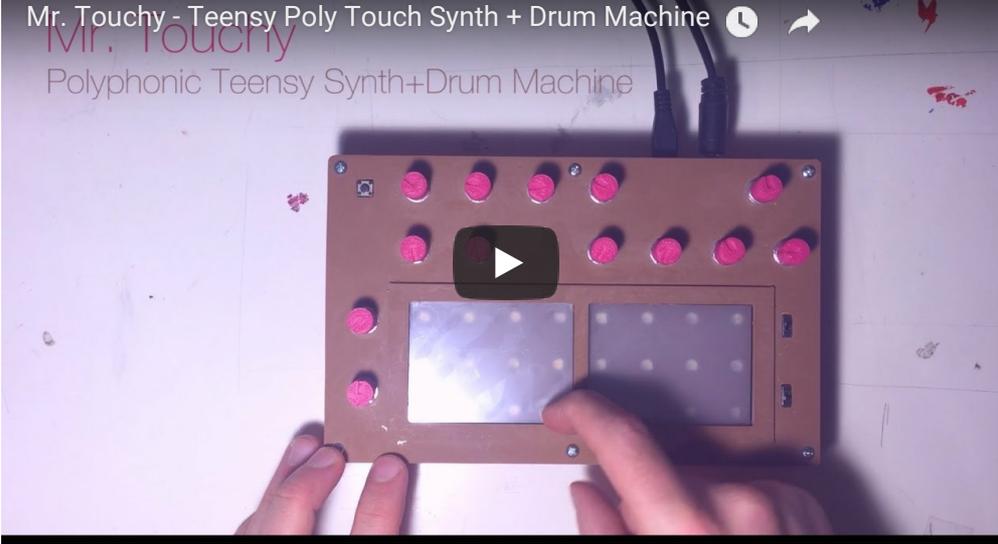
TECHNICAL DETAILS

Dimensions:

- 35mm x 37mm x 2mm / 1.4" x 1.5" x .08"
- Height with Jack: 6.7mm
- Weight: 4.9g

Revision History:

- As of February 23rd, 2015 we are shipping an updated version with a few minor changes:

  - 1. Pullup resistors are added for the SD card and optional SPI flash chip (the empty 8-pin location on the bottom side).
  - 2. The values of some capacitors are increased, to allow for better signals at sub-audible frequencies.
  - 3. A few locations are added to cut and join traces, to reconfigure the board to non-standard wiring.

- The new version is 100% compatible with the software and exactly the same form factor!

Audio Adapter Board for Teensy 3.0 - 3.6

Teensy Audio Tutorial & Workshop

MAY WE ALSO SUGGEST...

Adafruit Wave Shield for

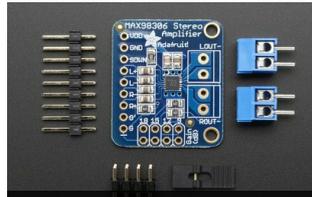Stereo 20W Class D Audio

OctoWS2811 Adapter for

Stereo 3.5mm Plug/Plug
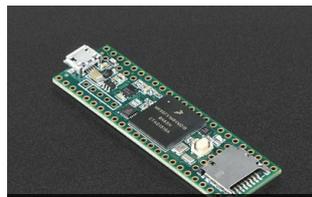

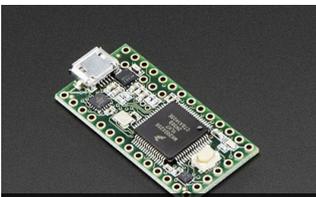Stereo 2.8W Class D Audio

Stereo 3.7W Class D Audio

Stereo 2.1W Class D Audio

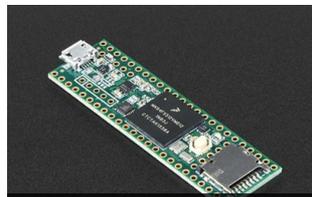SmartMatrix SmartLED

Teensy 3.6 without headers

Teensy 3.2 + header

Adafruit Audio FX Sound

Teensy 3.5 without headers

DISTRIBUTORS EXPAND TO SEE DISTRIBUTORS

CONTACT

"This good fun, explore, explore,

explore, that's what science is, exploration, finding out new things, so have a good time with it" - Charles Townes

ENGINEERED IN NYC Adafruit ®

4.9 ★★★★★
Google
Customer Reviews

explore, that's what science is, exploration, finding out new things, so have a good time with it" -