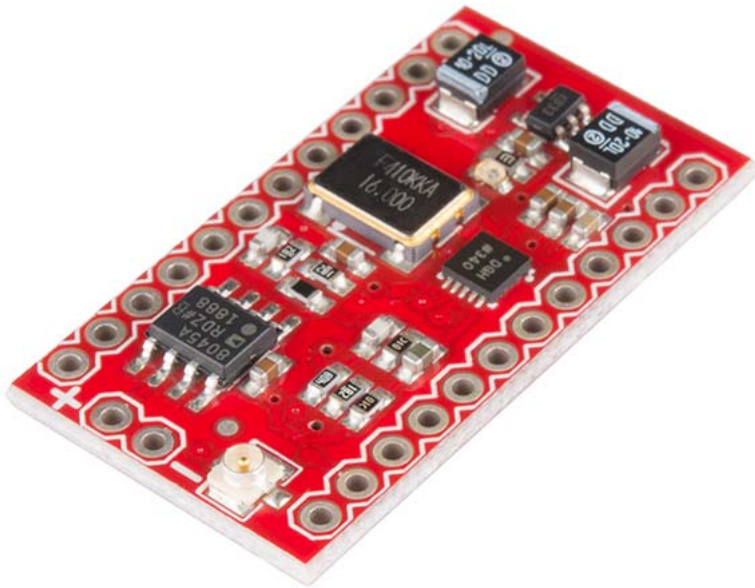




SparkFun MiniGen - Pro Mini Signal Generator Shield

BOB-11420 ROHS ✓ ⚡



\$29.95

<input type="text" value="1"/>	quantity
	32 in stock
\$29.95	1+ units
\$28.45	10+ units
\$26.96	25+ units
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Description: This is the SparkFun MiniGen Signal Generator, a small shield for the Arduino Pro Mini that is capable of generating sine, square, or triangle waves at up to 3MHz, and approximately 1Vp-p. Though the MiniGen is technically a shield it can, in fact, operate as a stand-alone board capable of the the same functionality as it would if it were placed on top of a Pro Mini.

The MiniGen offers two out put sources for you to utilize: a 2-pin 0.1" spaced header and a u.FL connector. The output is at a DC offset of $V_{cc}/2$, however neither the offset nor the amplitude can be varied. By default, the MiniGen ships configured with a 3.3V regulator enabled and should only be used with 3.3V signals (or 3.3V Pro Minis if you are using this as a shield) unless the jumper on the back is soldered over to bypass the regulator for 5V use.

Features:

- 10-bit DAC for good accuracy
- 2 frequency registers
- 2 phase registers
- SPI Interface Driven at 40MHz
- Operating Voltage: 3.3V (5V when jumper is soldered)

Documents:

- Schematic
- Eagle Files
- Hookup Guide
- Datasheet (AD8045)
- Datasheet (AD9837)
- GitHub (Example Code & Design Files)
- GitHub (Library)

Recommended Products

PAGE 1 OF 6



SPARKFUN RECOMMENDED
Arduino Pro Mini 328 - 5V/16MHz
 DEV-11113



SPARKFUN RECOMMENDED
Arduino Pro Mini 328 - 3.3V/8MHz
 DEV-11114

\$9.95
★★★★☆ 102



🔥 SPARKFUN RECOMMENDED
Break Away Headers - Straight
🔍 PRT-00116
\$1.50
★★★★☆ 20

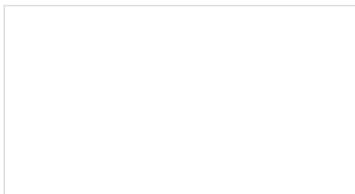
\$9.95
★★★★☆ 31



🔥 SPARKFUN RECOMMENDED
Female Headers
🔍 PRT-00115
\$1.50
★★★★☆ 6

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Related Tutorials



MiniGen Hookup Guide
MAY 22, 2014
Using the MiniGen, SparkFun's Arduino Pro Mini signal generator shield