

Precision LM4040 Voltage Reference Breakout - 2.048V and 4.096V

PRODUCT ID: 2200

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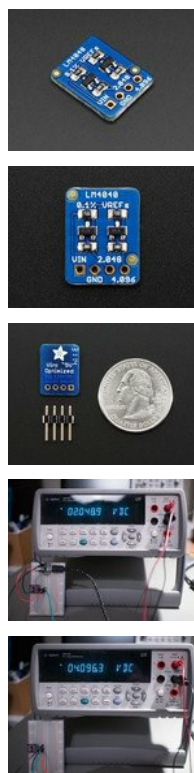
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[DESCRIPTION](#)

[TECHNICAL DETAILS](#)



DESCRIPTION

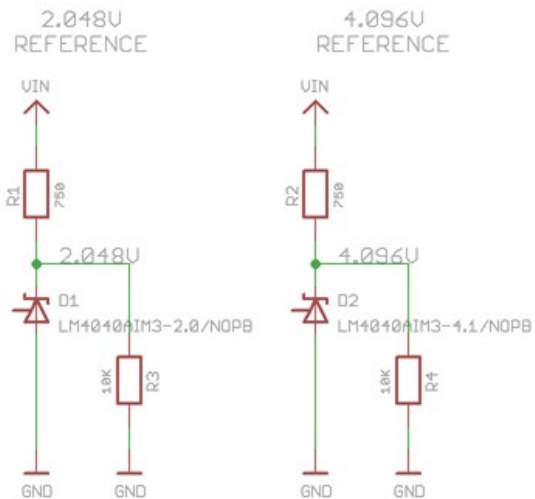
How good is your multimeter **really**? Or maybe your analog converter needs a good reference? Or lets say you want to test your microcontroller's conversion accuracy & precision. If only you had a dependable, high precision, rock-solid voltage reference. Now you know why we made this very cute and useful little breakout board. It has two very high precision shunt-

type voltage references with 750 ohm biasing resistors. One is 2.048V (great for 3.3V reference systems) and the other is 4.096 (great for 5V). Both are 0.1% accuracy!

Using is easy, just power with about 5V-12V, or 3V if you want only the 2V reference to work. Then measure the voltage on the output. Note that these are not *regulators* - you can't power anything off the output. They are for measurements only. For more details, check the [LM4040 Datasheet](#) for more information.

TECHNICAL DETAILS

- [LM4040 Datasheet](#)
- [EagleCAD PCB Files on GitHub](#)
- [Fritzing object in Adafruit Fritzing library](#)



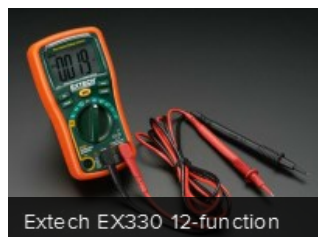
$$R = (V_{IN} - V_{SHUNT}) / (I_{LOAD} + I_Z)$$

Total load must be between 60uA and 15mA

- PCB Dimensions: 16mm x 12.5mm x 2.5mm / 0.6" x 0.5" x 0.1"
- Weight: 0.7g



MAY WE ALSO SUGGEST...





Adafruit MCP4728 Quad

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4.9 ★★★★★
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