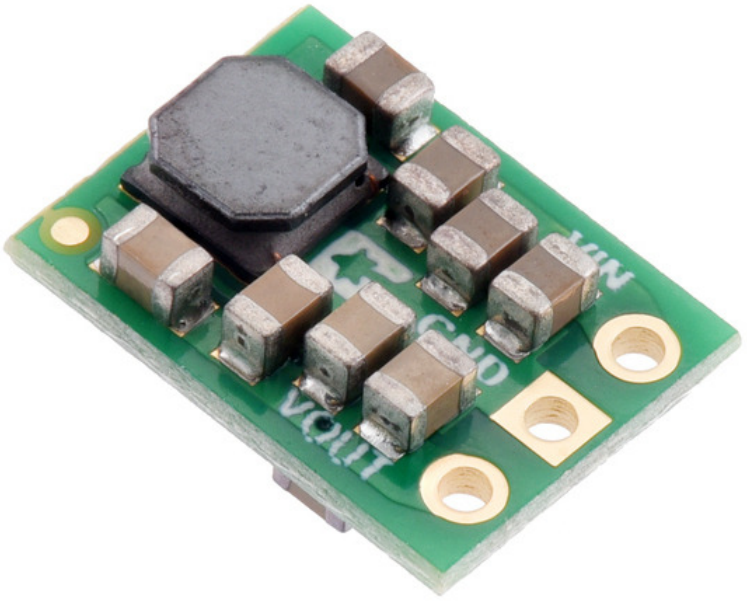
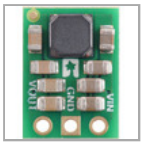
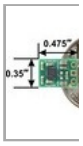
5V, 1A Step-Up/Step-Down Voltage Regulator S13V10F5





Pololu item #: 4083
Brand: Pololu
Status: Active and Preferred
RoHS 3

Free add-on shipping in USA
Free shipping in USA over $40

282 in stock
supply outlook

Price break	Unit price (US$)
1	6.95
5	6.39

Quantity: 1

backorders allowed

Add to cart

Add to wish list

This powerful synchronous switching step-up/step-down regulator efficiently produces 5 V from input voltages between 2.8 V and 22 V.

Its ability to convert both higher and lower input voltages makes it useful for applications where the power supply voltage can vary greatly, as with batteries that start above but discharge below 5 V. The board measures 0.35″ × 0.475″, has a typical efficiency of 85% to 95%, and can supply a typical continuous output current of around 1 A.

Alternatives available with variations in these parameter(s): continuous output current **Select variant…**

.

Description Specs (11) **Pictures (13)** **Resources (3)**

FAQs (0) **On the blog (1)**

Dimensions

Size:	0.35″ × 0.475″ × 0.17″[1]
Weight:	0.6 g[1]

General specifications

Minimum operating voltage:	2.8 V
Maximum operating voltage:	22 V
Continuous output current:	1 A[2]
Output voltage:	5 V
Reverse voltage protection?:	N

Maximum quiescent current:	20 mA[3]
Output type:	fixed 5V

Identifying markings

PCB dev codes:	reg26b
Other PCB markings:	0J4038

Notes:

1. Without included optional headers.
2. Typical continuous output current at 5 V in. Actual achievable continuous output current is a function of input voltage and is limited by thermal dissipation. See the output current graph under the description tab for more information.
3. With no load. Actual quiescent current depends on input voltage. See the quiescent current graph under the description tab for more information.