

BigEasyDriver v1.0

www.schmalzhaus.com/BigEasyDriver

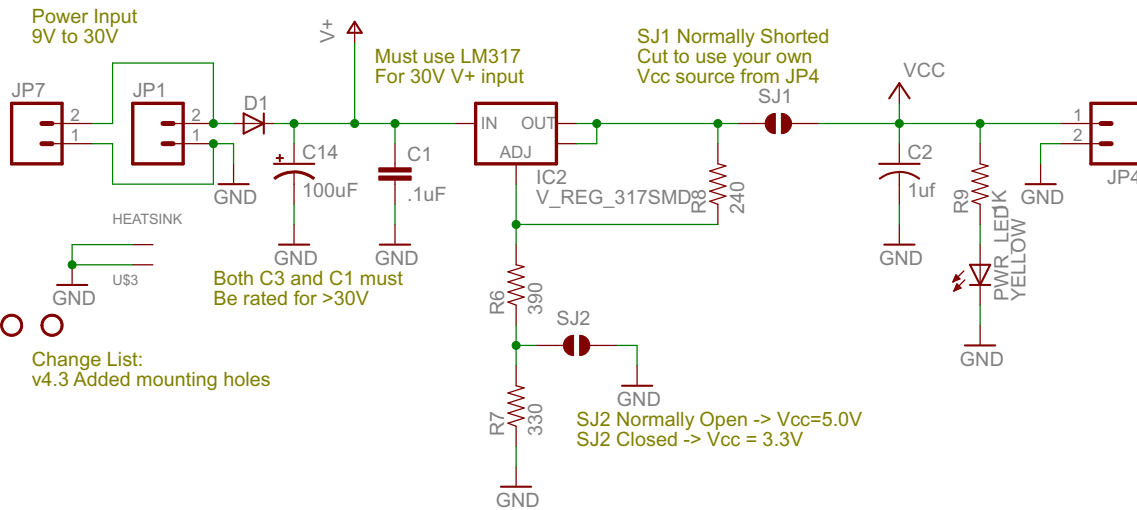
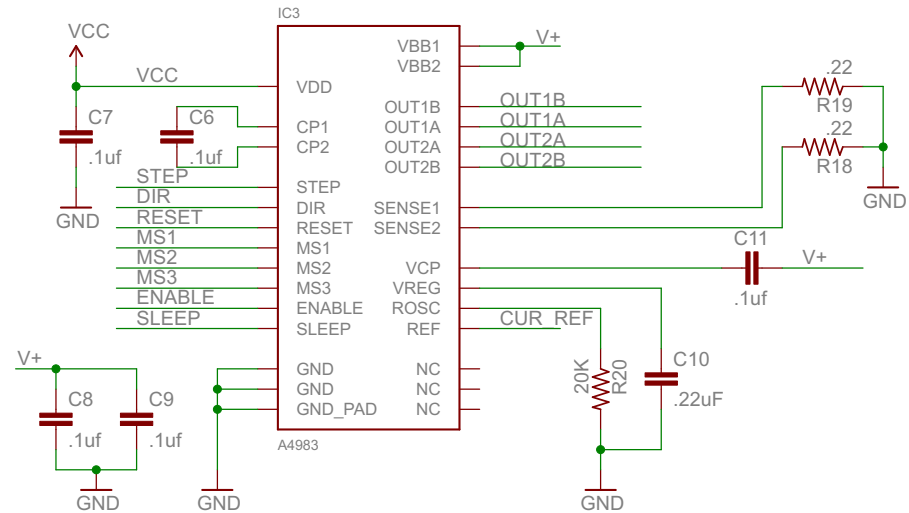
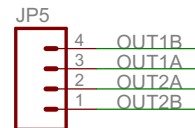
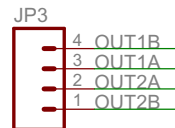
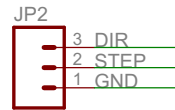
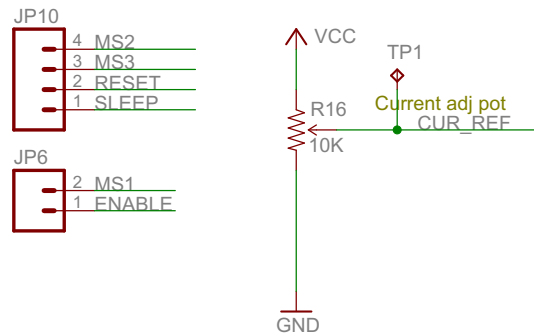
An easy to use bipolar stepper motor driver
 Use 4 wire, 6 wire or 8 wire stepper motors
 From about 150mA/phase to about 750mA/phase
 Defaults to 5V for Vcc (logic supply), settable to 3.3V
 Supply 8V to 30V DC power input on JP1
 Do not connect or disconnect motor while EasyDriver is powered

DEFAULT OPTIONS
 Short JP5, JP6, JP7 pins to GND or Vcc to override

SLEEP = Vcc (awake)
 MS1 = Vcc (1/8 microstep)
 MS2 = Vcc (1/8 microstep)
 ENABLE = GND (enabled)
 RESET = Vcc (not reset)
 PFD = Vcc (slow decay mode)

DIR is level sensitive
 A rising edge on STEP causes a step
 Both take 0V to Vcc

Coil 1 of motor across OUT1B and OUT1A
 Coil 2 of motor across OUT2B and OUT2A



Vcc output
 Max 70mA used by EasyDriver
 The rest you can use

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Change List:
 v4.3 Added mounting holes

Designed by Brian Schmalz	
Produce by Spark Fun Electronics	
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