

BigEasyKard by PONTECH

An easy to use bipolar stepper motor driver
 Use 4 wire, 6 wire or 8 wire stepper motors
 From 0mA/phase to over 2A/phase
 Defaults to 5V for Vcc (logic supply), settable to 3.3V
 Supply 8V to 35V DC power input on JP1 or JP7
 Do not connect or disconnect motor
 while BigEasyDriver is powered

You only need to connect M+, GND
 STEP, DIR and the motor outputs
 All other I/O is set to default
 to 1/16th microstep mode

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

Coil A of motor across
 COILA+ and COILA-
 Coil B of motor across
 COILB+ and COILB-

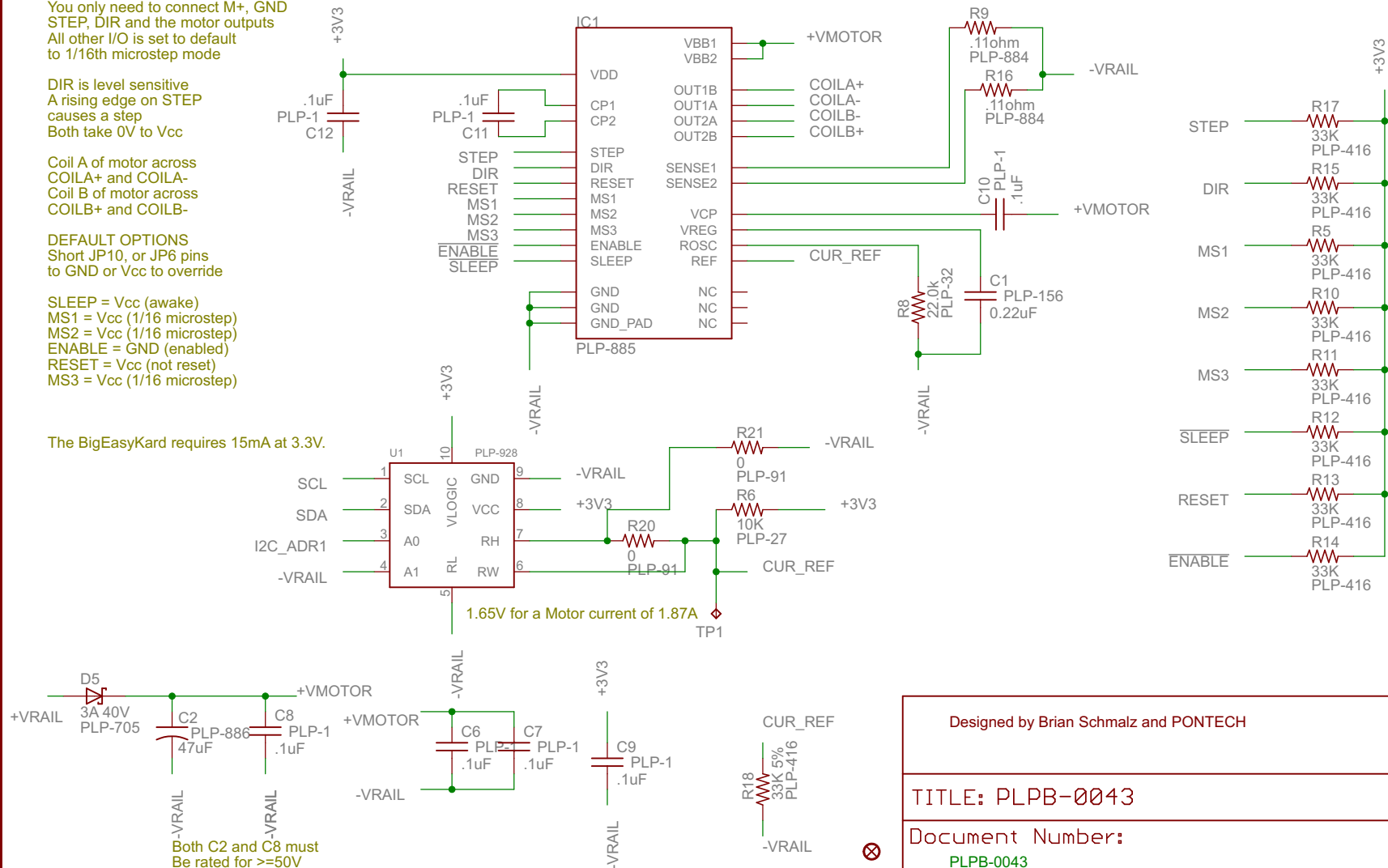
DEFAULT OPTIONS
 Short JP10, or JP6 pins
 to GND or Vcc to override

SLEEP = Vcc (awake)
 MS1 = Vcc (1/16 microstep)
 MS2 = Vcc (1/16 microstep)
 ENABLE = GND (enabled)
 RESET = Vcc (not reset)
 MS3 = Vcc (1/16 microstep)

The BigEasyKard requires 15mA at 3.3V.

BigEasyKard is based on the BigEasyDriver v1.2 by Brian Schmalz
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www.pontech.com/BigEasyKard
www.schmalzhaus.com/BigEasyDriver



Designed by Brian Schmalz and PONTECH

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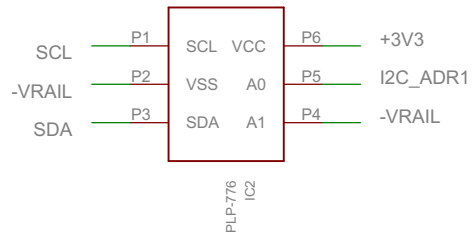
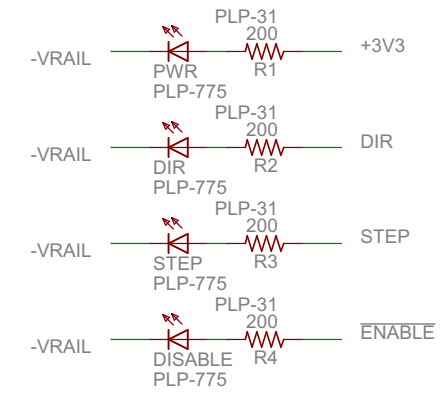
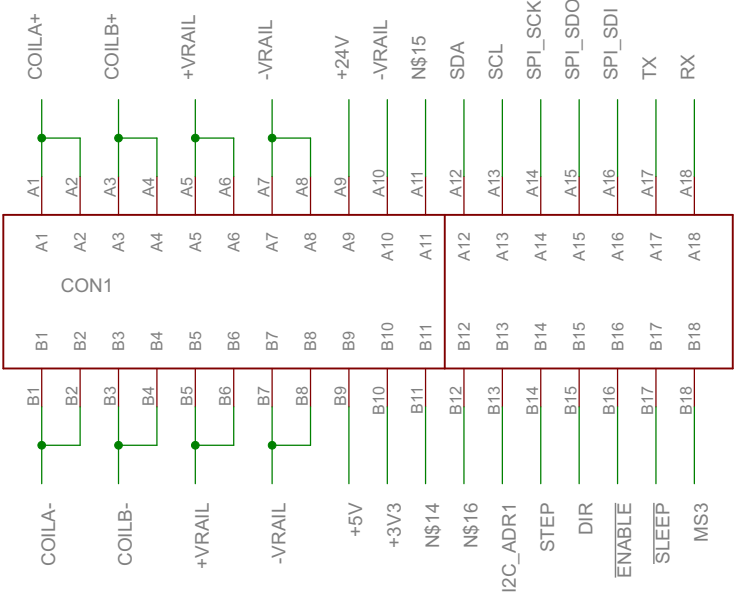
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Kard Connections, EEPROM and LED's



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