

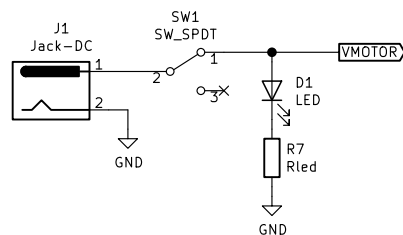
DECAY pin NC – mixed decay

Populate resistors as per
datasheet for required resolution

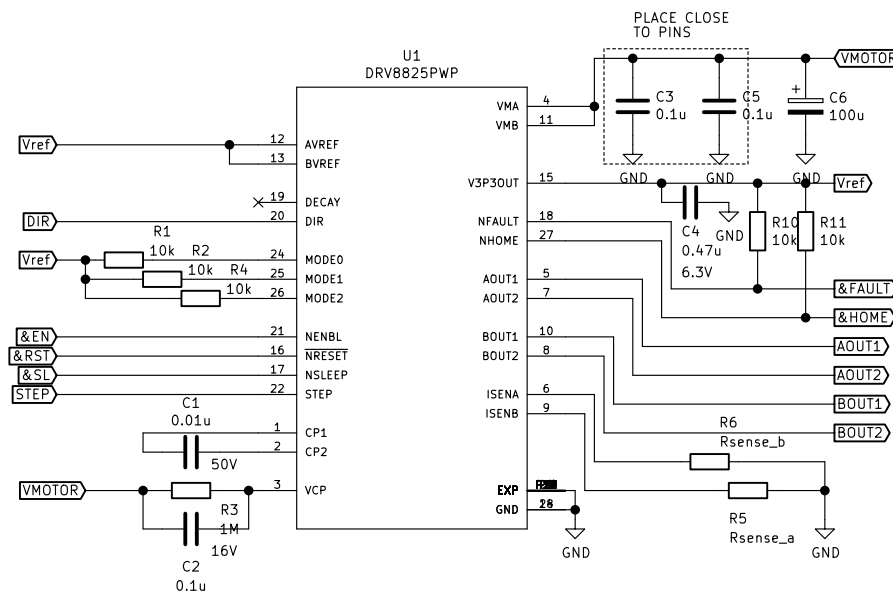
logic 1 – disable device

logic 1 – enable device

logic 1 – enable device



DC MAIN SUPPLY

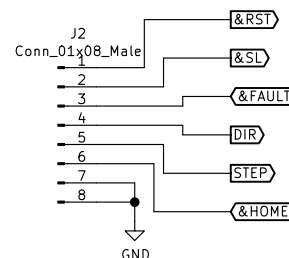


Flag outputs

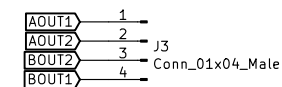
Stepper outputs

$I_{max} = V_{ref} / (5 * R_{sense})$

Chosen stepper $I_{max} = 1.33A$
80% derating $\rightarrow I_{max} = 1A$
 $R_{sense_a} = R_{sense_b} = 0.66 \text{ Ohm}$
Choose $R_{sense} = 620 \text{ mOhm}$



DRIVER CONTROL CONN



STEPPER CONNECTOR

Drawn by Boris Yanchev

Real Time Embedded Programming 5 2019/20

Sheet: /

File: Stepper Driver.sch

Title: MyTea – Stepper Motor Driver

Size: A4

Date:

KiCad E.D.A. kicad (5.0.2)–1

Rev: 1.3

Id: 1/1