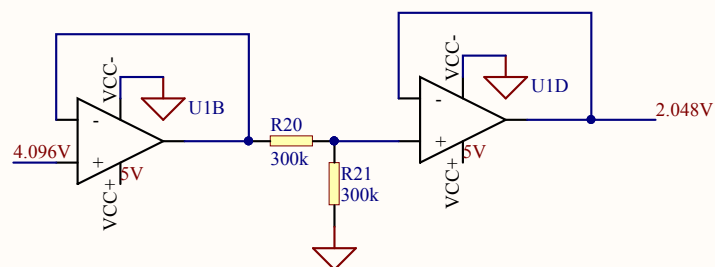
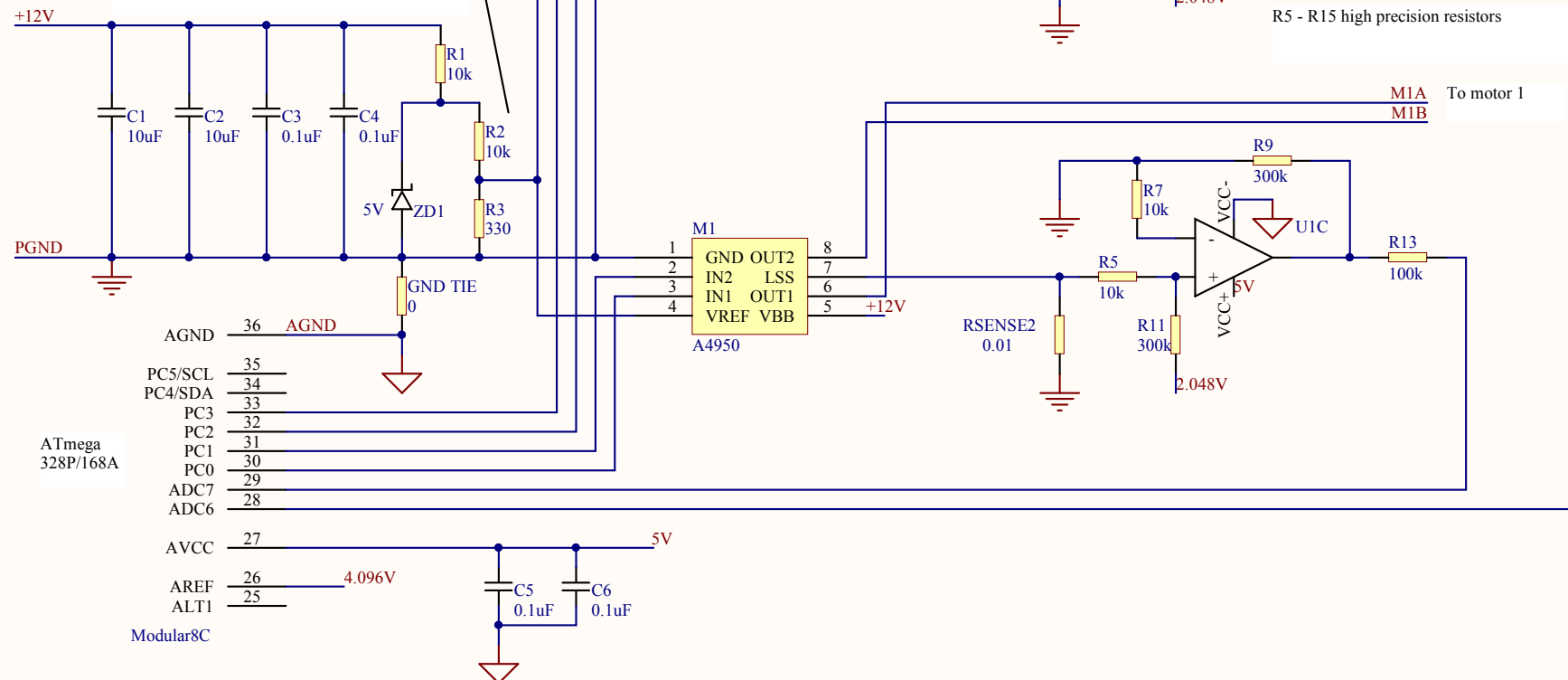


$$\begin{aligned} I_{trip} &= 3.5A \text{ rated} \\ &= V_{REF} / (10 \times R_{SENSE}) \\ &= V_{REF} / 0.05 \text{ ohm} \end{aligned}$$

$$V_{REF} = 3.5 \times 0.05 = 0.175V$$

$$\text{Voltage divider provides } 5V \times R_2 / (R_1 + R_2) = 0.160V$$

Bulk capacitance could be increased



Title Preliminary motor driver design		
Size A	Number	Revision A01
Date:	7/26/2015	Sheet of
File:	C:\Users\A4950 driver.SchDoc	Drawn By: max@theprogrammingclub.com