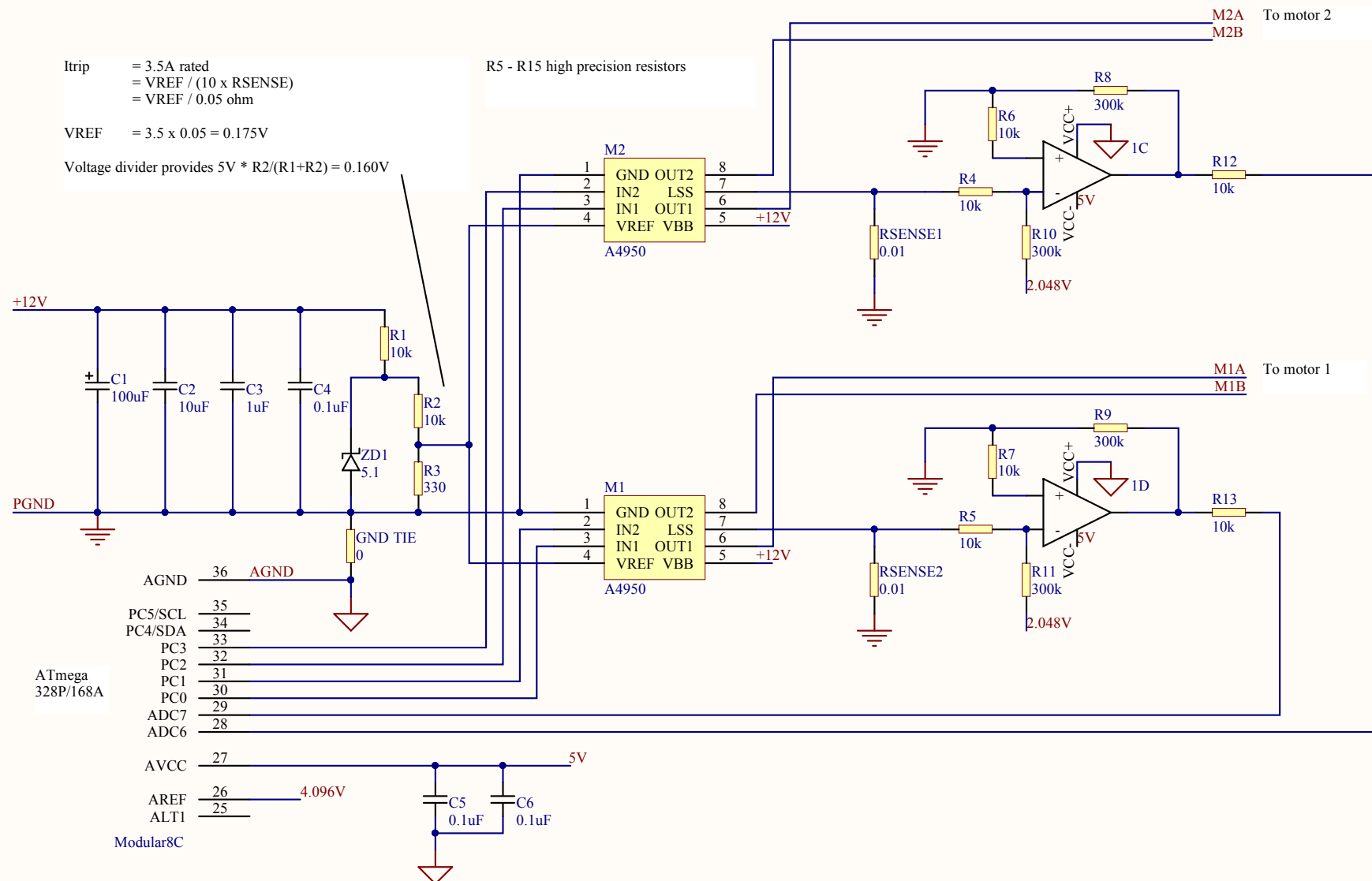


$I_{trip} = 3.5A \text{ rated}$
 $= V_{REF} / (10 \times R_{SENSE})$
 $= V_{REF} / 0.05 \text{ ohm}$

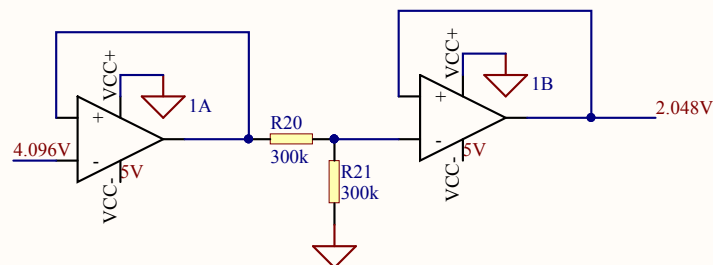
$V_{REF} = 3.5 \times 0.05 = 0.175V$

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

R5 - R15 high precision resistors



Modular8C



Title Preliminary motor driver design		
Size A	Number OPBOT-020	Revision 0.12
Date:	7/30/2015	Sheet of
File:	C:\Users\...\A4950_driver.SchDoc	Drawn By: max.prokopenko@gmail.com