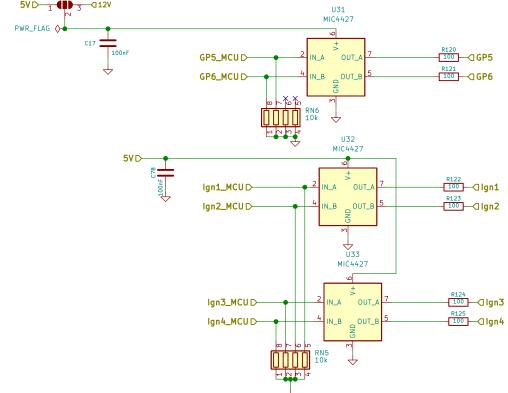


6 channel high / low side driver Note: Jumpering for 12V output results in output resistors not surviving a short to ground JP2 High side voltage 5V 12V 5VD 1 1 3 012V



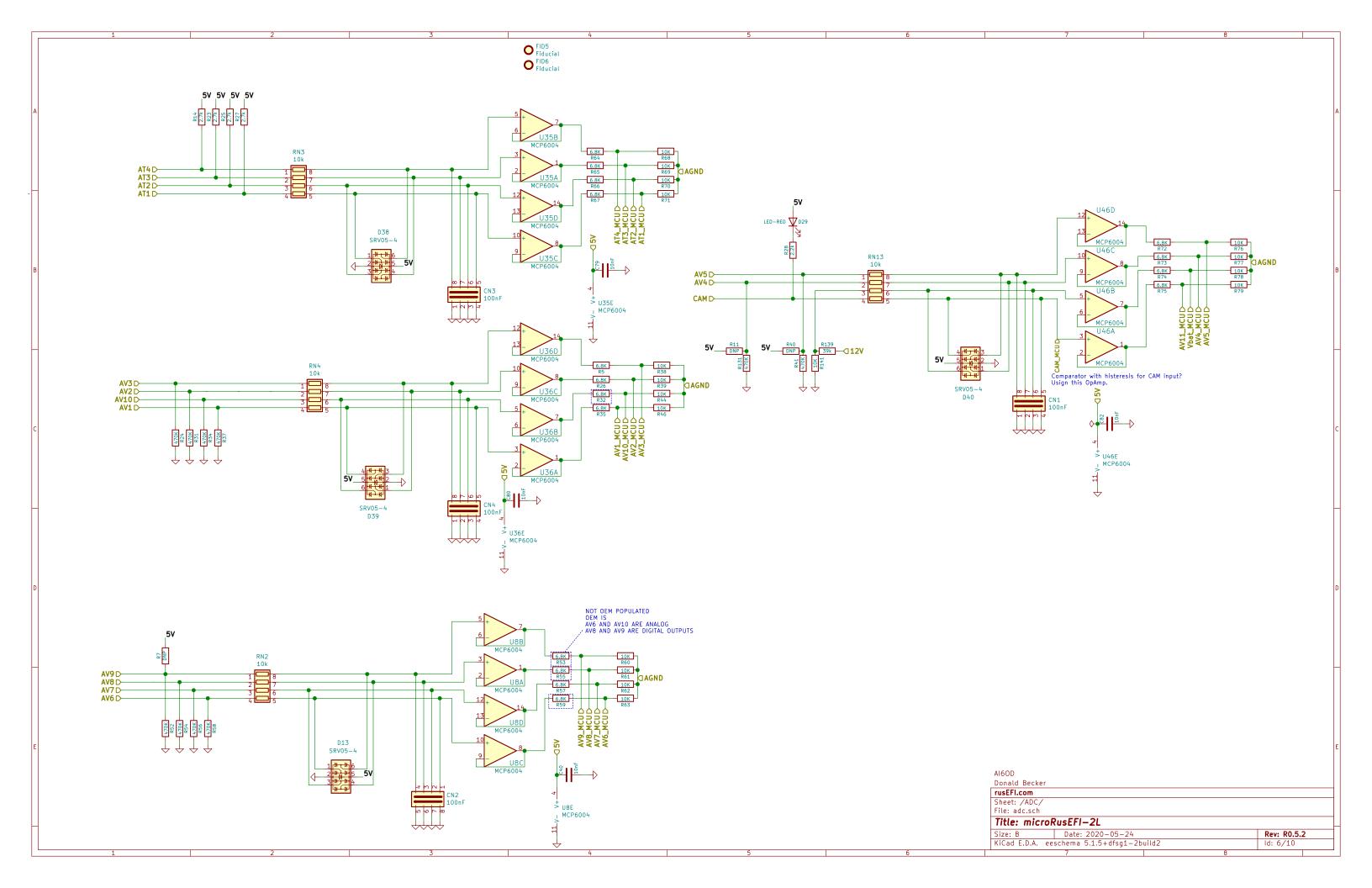
AI60D Donald Becker rusEFI.com

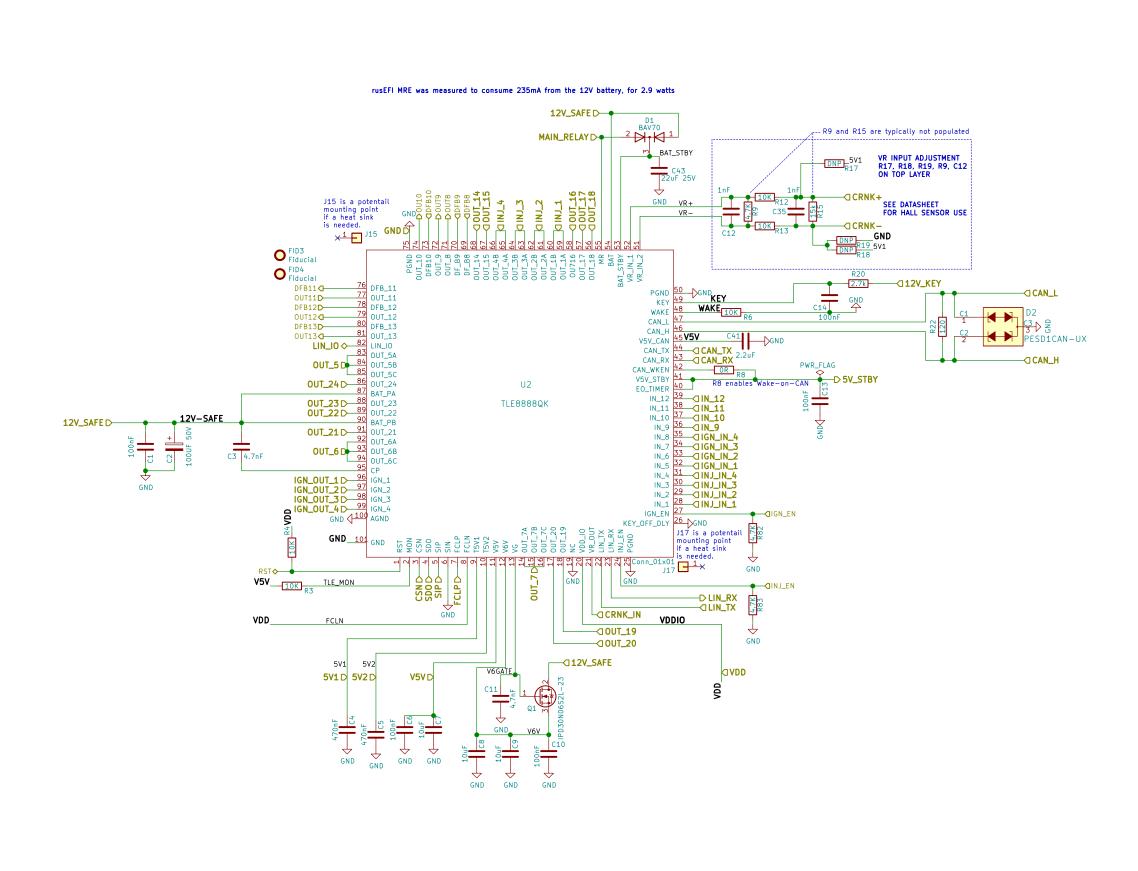
Sheet: /hi-lo/ File: hi-lo.sch

Title: microRusEFI-2L

 Size: B
 Date: 2020-05-24

 KiCad E.D.A. eeschema 5.1.5+dfsg1-2build2
 Rev: R0.5.2 Id: 5/10





AI60D

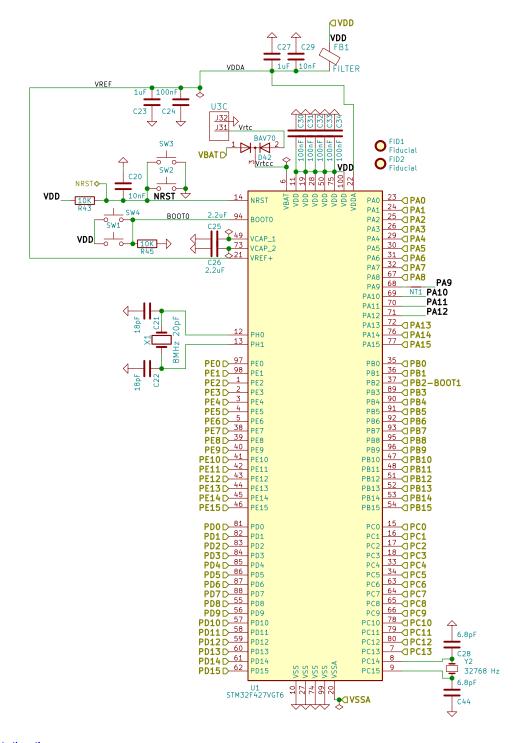
Donald Becker

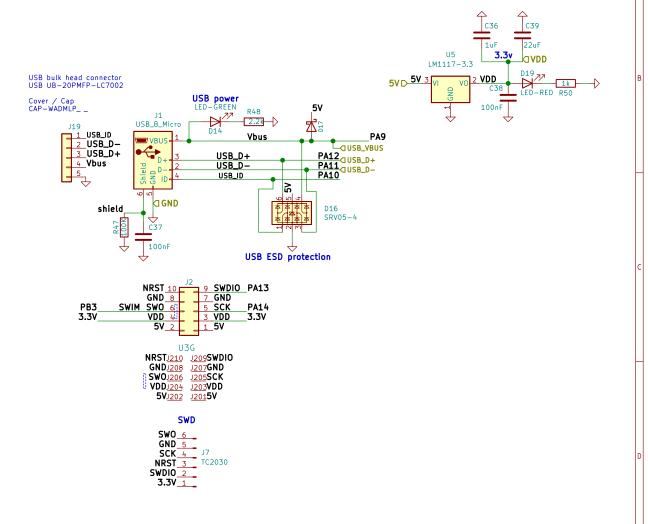
rusEFl.com

Sheet: /TLE8888-1QK/
File: TLE8888-1QK.sch

Title: microRusEFI-2L
Size: User Date: 2020-05-24
KiCad E.D.A. eeschema 5.1.5+dfsg1-2build2

Rev: R0.5.2 Id: 7/10





http://www.crystek.com/documents/appnotes/Pierce-GateIntroduction.pdf PCB per predictions with SaturnPCB has less then 3.5pF traces, STM32 pins assumed 5pF ESR = 80ohms max?? Rf = 2meg could be between 1meg and 10meg. Cload should be 8pf per XTAL datasheet Cload = ([Cin+C1][C2+Cout])/(Cin+C1+C2-Cout)+PCBstray Cload = ([Cin+C1][4.7+5])/(5+4.7+4.7+5.5) = 8.35pF C1=C2=C166=C167 = 4.7pF Rs = 1/(2piFC2) = 1/(2*pi*8MHz*4.7pF) = 4.2ohms.

AI60D Donald Becker

rusEFI.com Sheet: /MCU/

File: stm32.sch Title: microRusEFI-2L

Date: 2020-05-24 Size: B KiCad E.D.A. eeschema 5.1.5+dfsg1-2build2

Rev: R0.5.2 ld: 8/10

