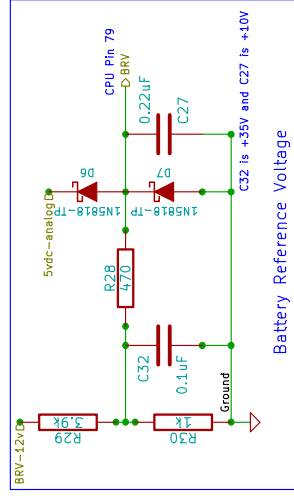
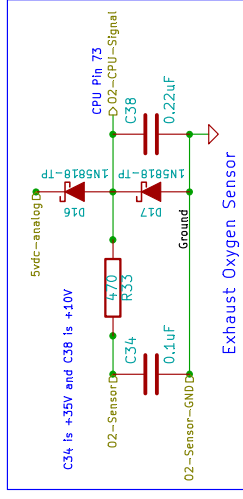
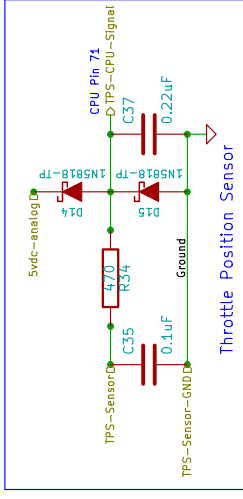
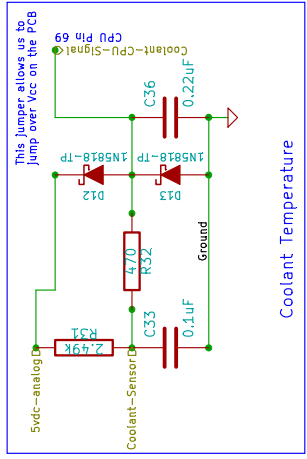
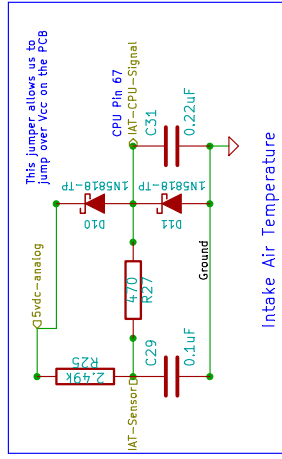
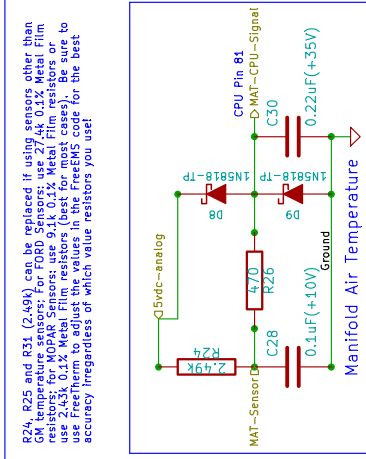
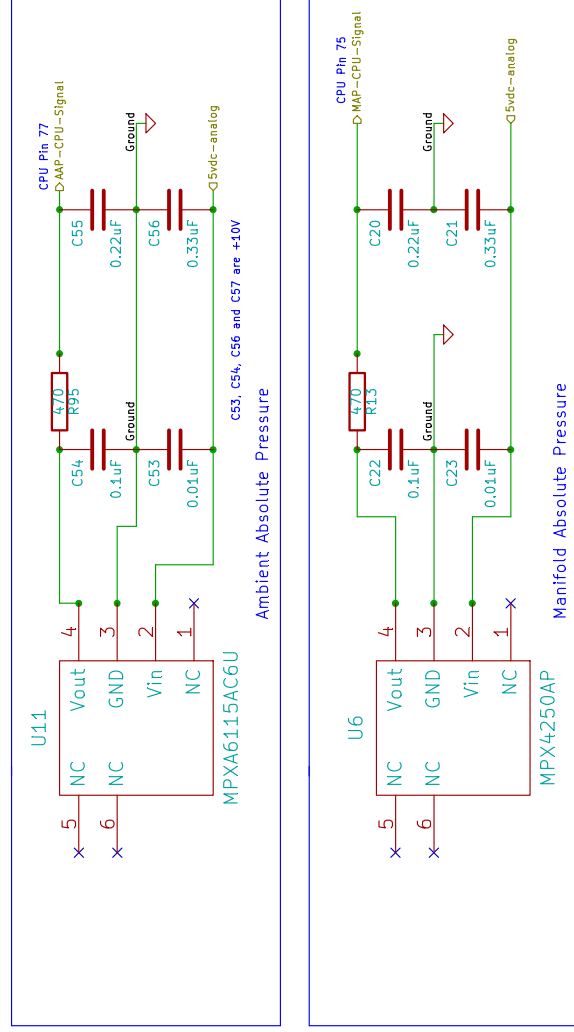
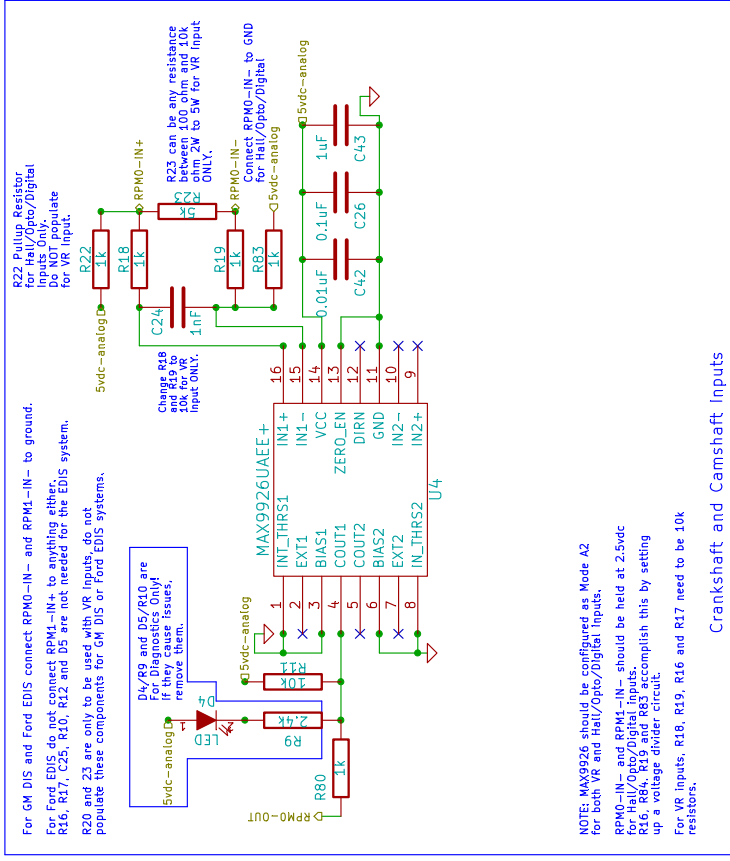






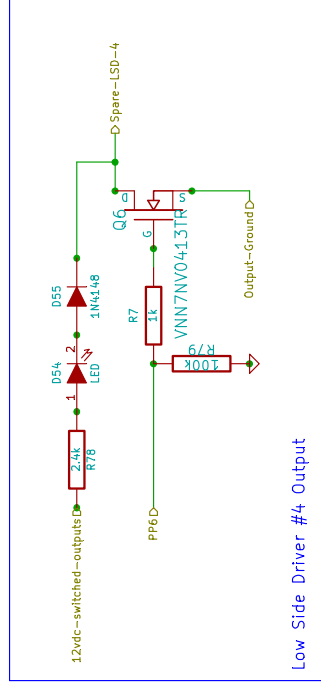
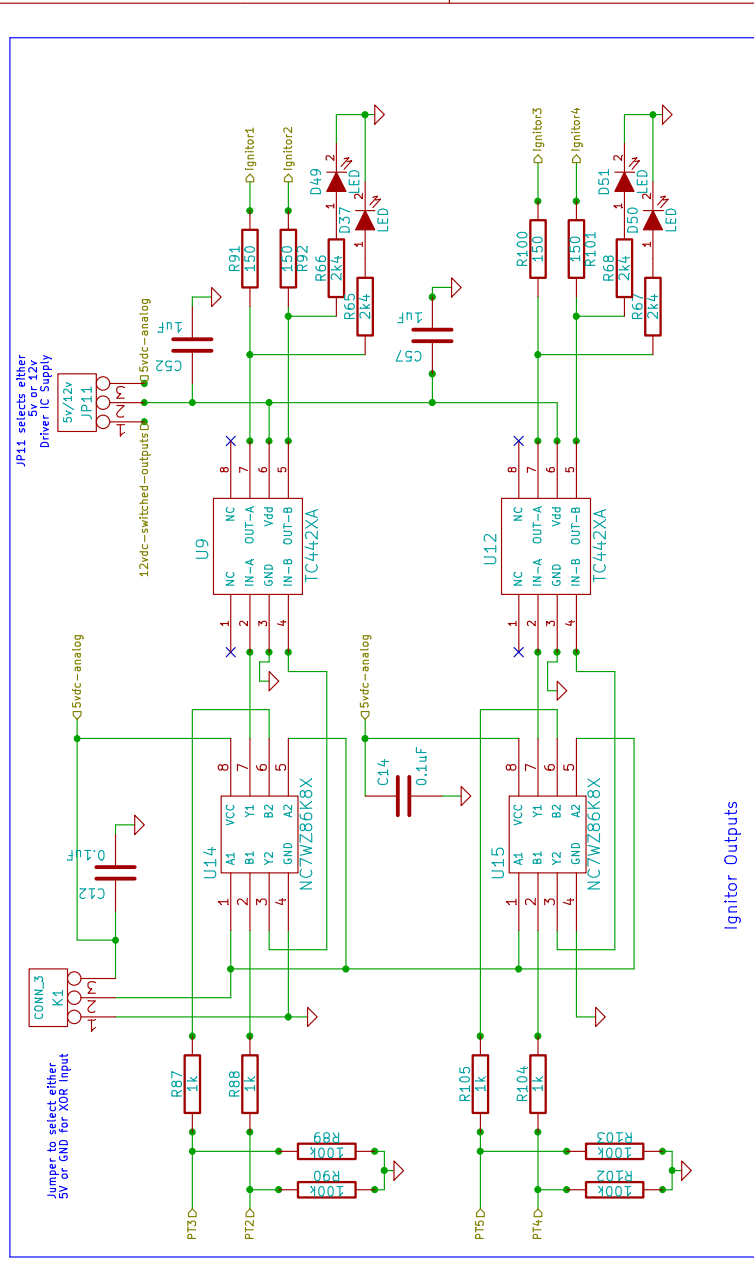
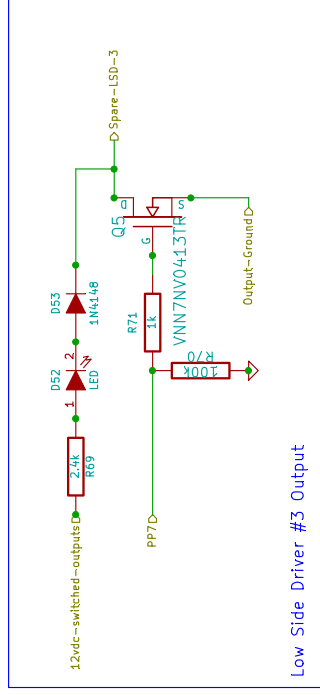
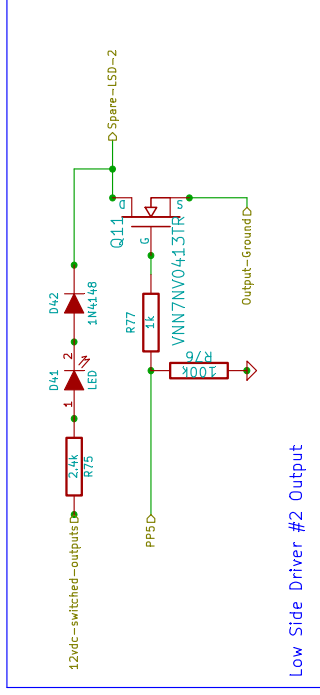
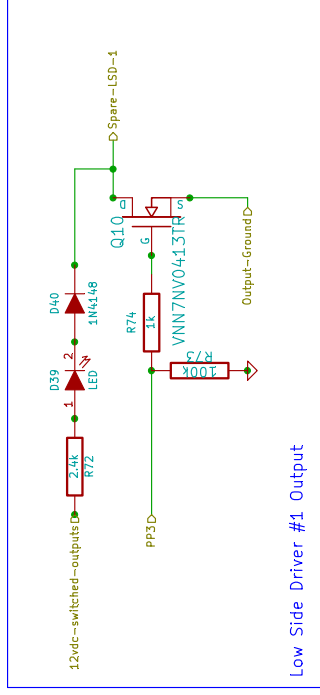
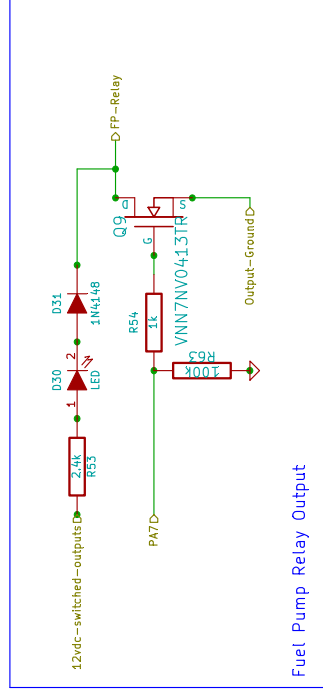
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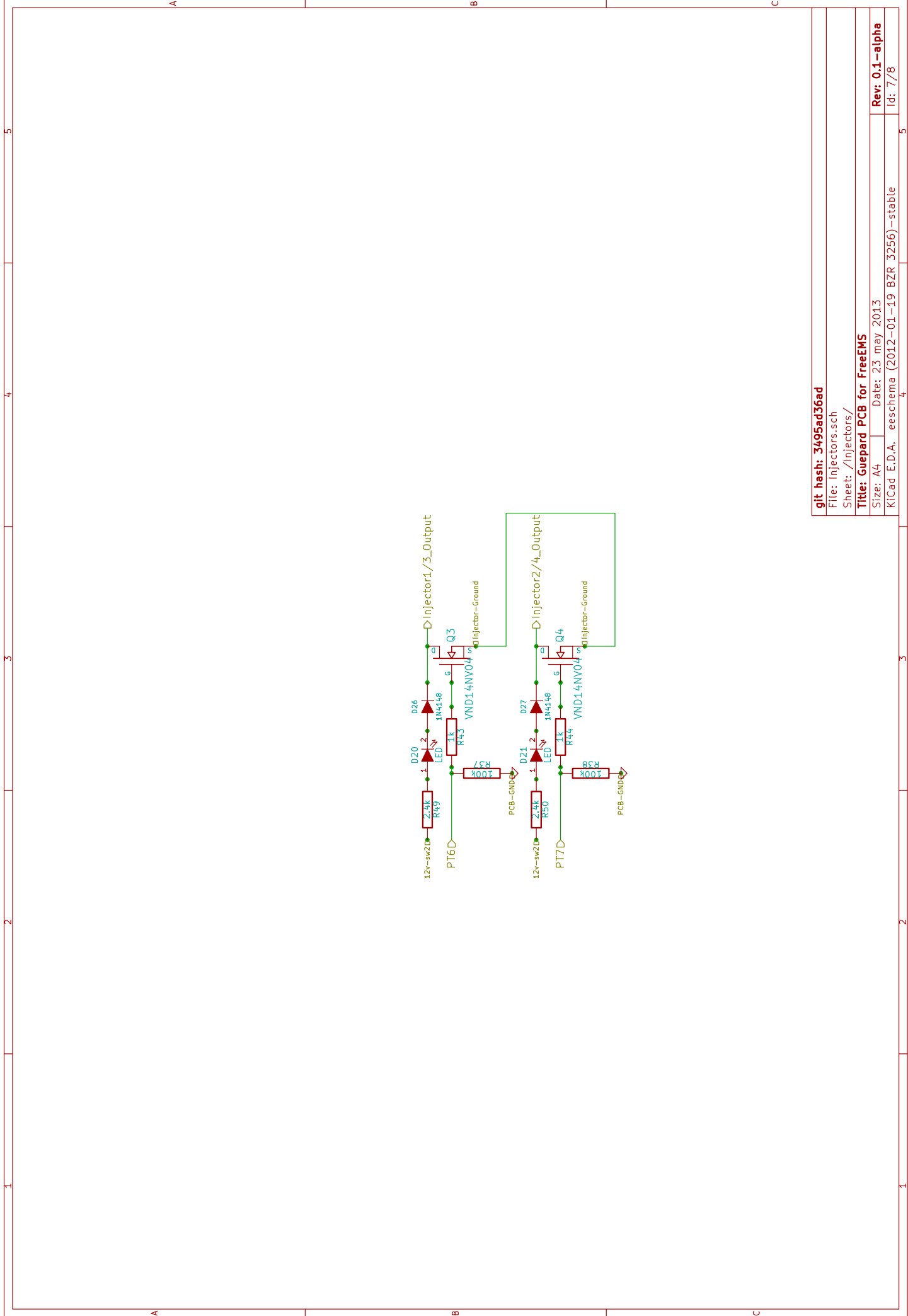


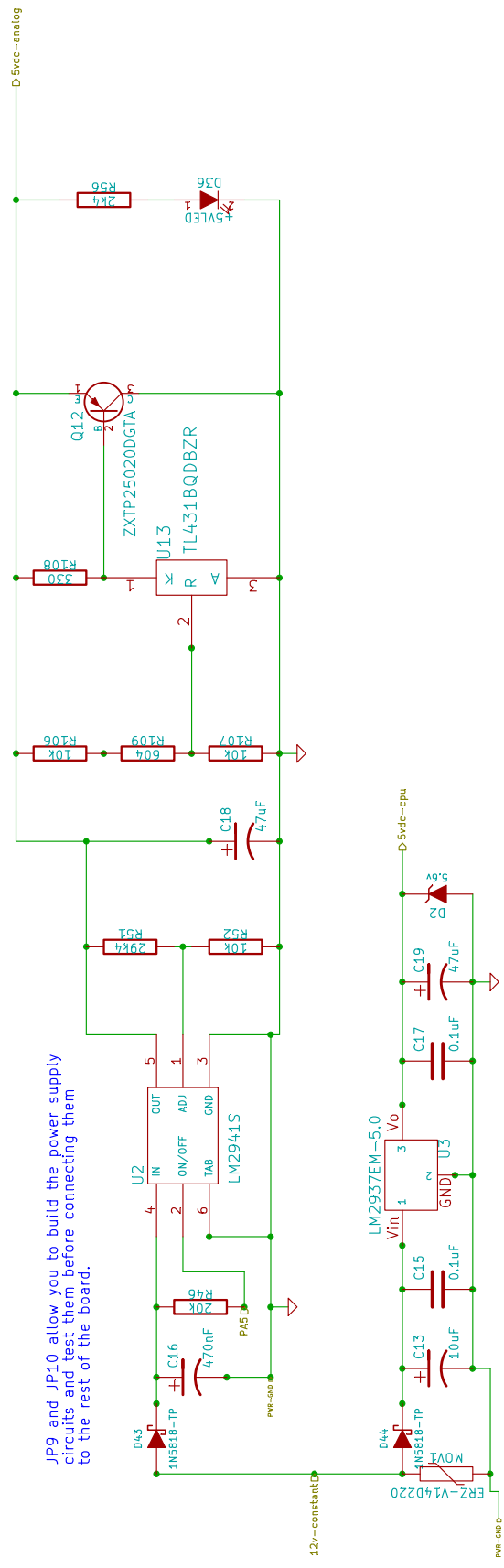
D47 and D48 are only populated if you are using an external MAP sensor. Do not populate these locations if you are using the on-board sensor.

Do not populate C23 and C21 if you are using an external MAP sensor.

Change R13 value from 1k to 47k if you are using an external MAP sensor.







C14, C15 and C17 are 50v X7R Ceramic capacitors.  
C12, C13 and C16 are 35v Tantalum capacitors.  
C18 and C19 are 10v Tantalum capacitors