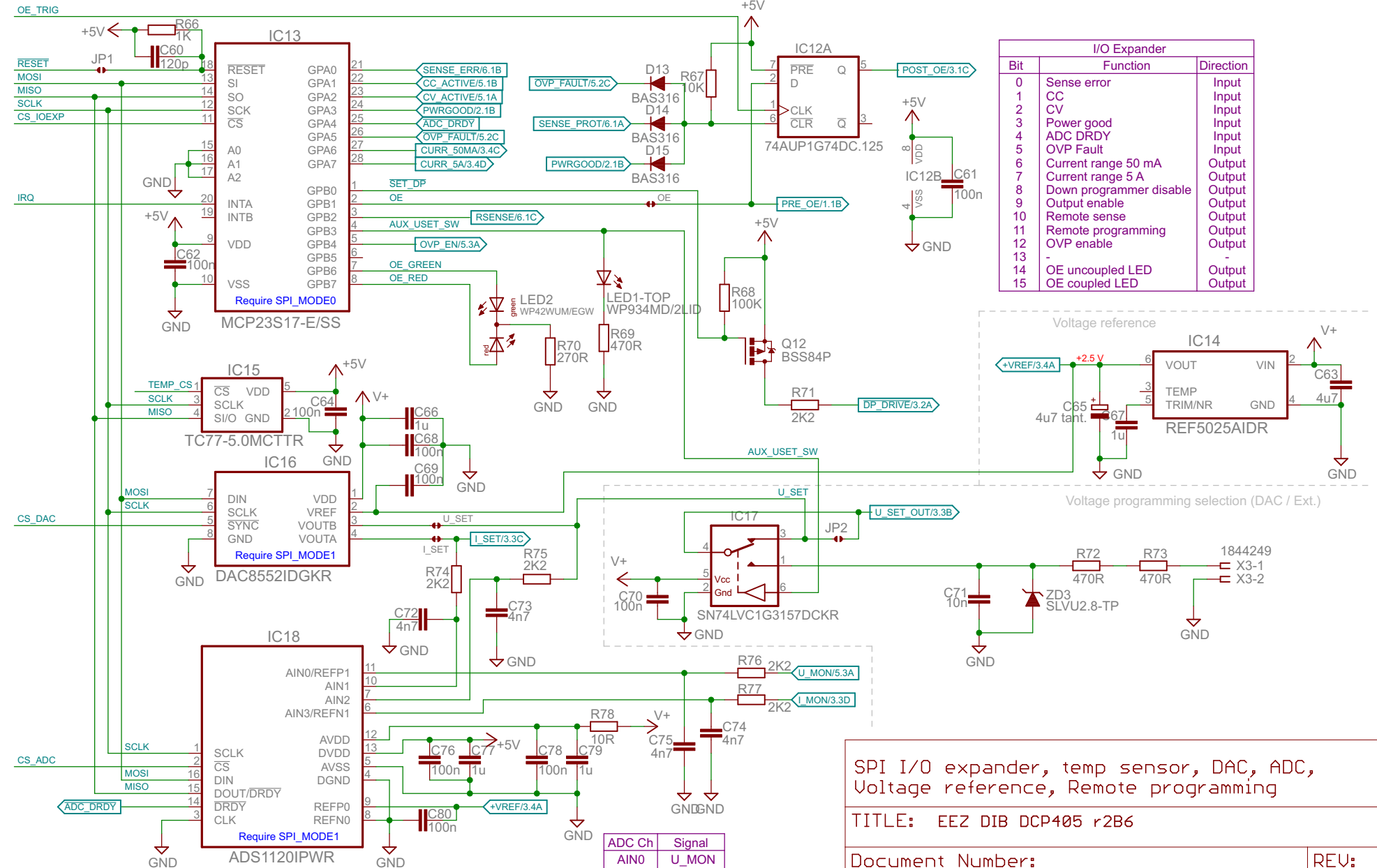
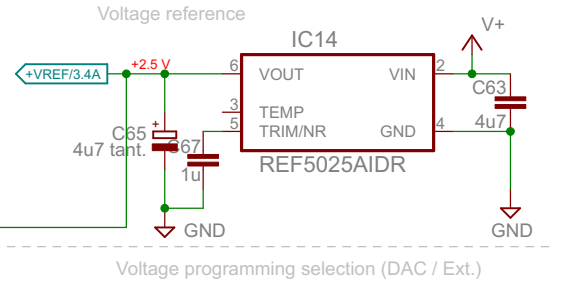


# Digital control (SPI)



Bit	Function	Direction
0	Sense error	Input
1	CC	Input
2	CV	Input
3	Power good	Input
4	ADC DRDY	Input
5	OVP Fault	Input
6	Current range 50 mA	Output
7	Current range 5 A	Output
8	Down programmer disable	Output
9	Output enable	Output
10	Remote sense	Output
11	Remote programming	Output
12	OVP enable	Output
13	-	-
14	OE uncoupled LED	Output
15	OE coupled LED	Output



SPI I/O expander, temp sensor, DAC, ADC, Voltage reference, Remote programming

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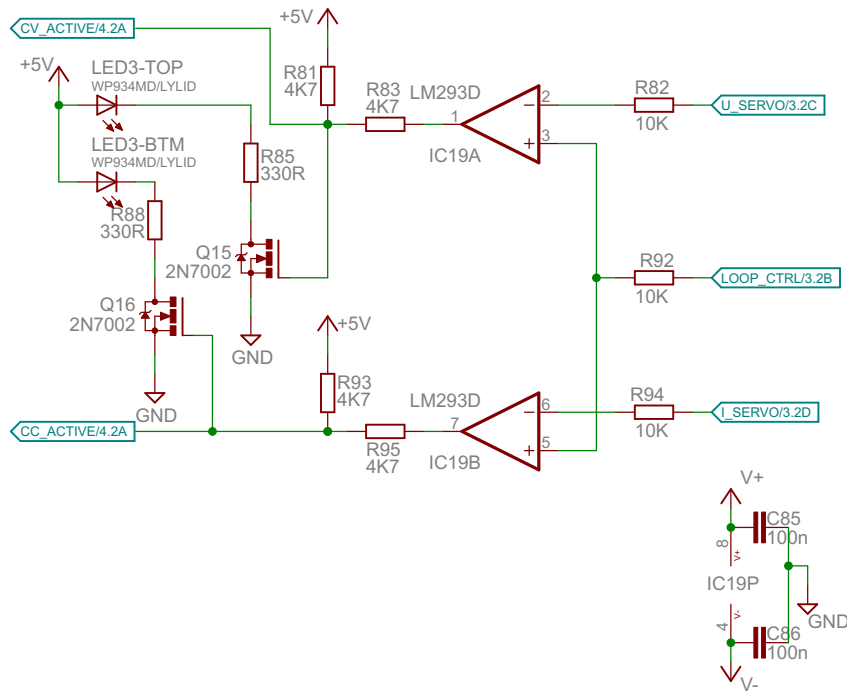
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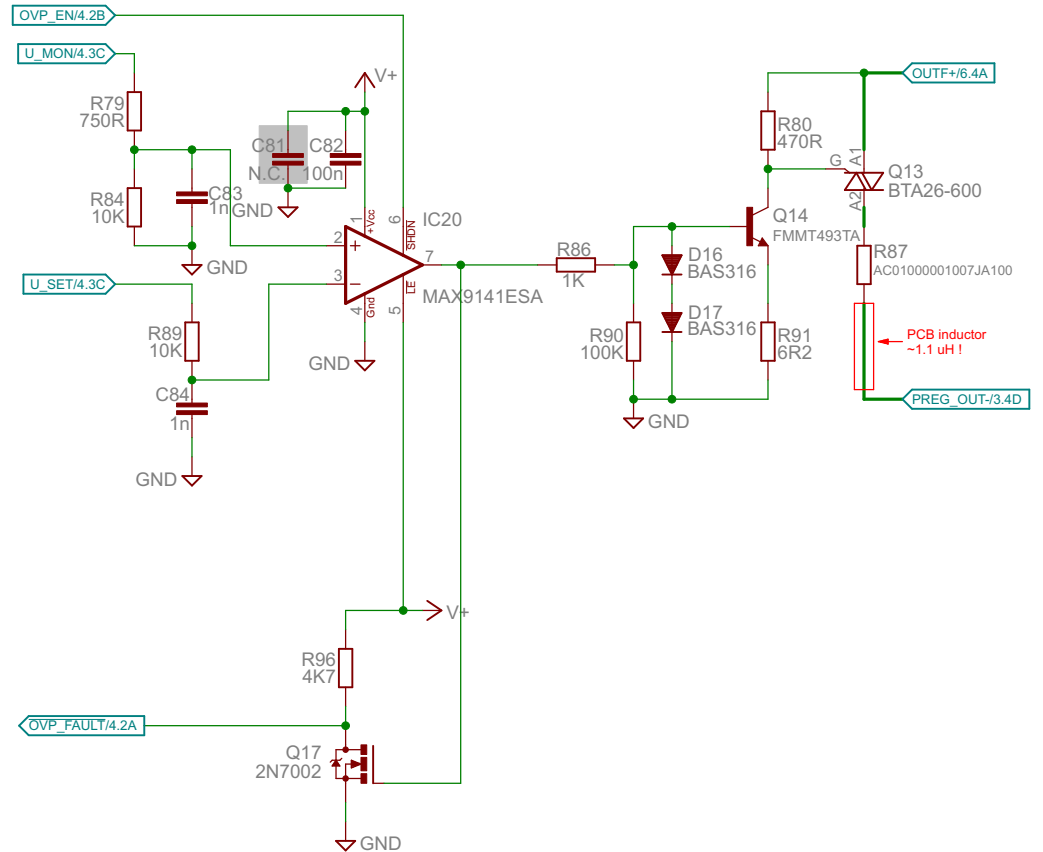
ADC fmod = 256 kHz (normal), 512 kHz (turbo)  
 Anti-aliasing RC filter cutoff = 15.4 kHz

ADC Ch	Signal
AIN0	U_MON
AIN1	I_SET
AIN2	U_SET
AIN3	I_MON

# Constant Voltage (CV) and Constant Current (CC) mode detection and indication



## Over-voltage protection (OVP)



CC/CV mode detection and indication, OVP

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