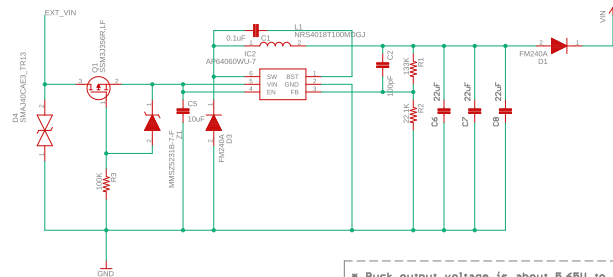
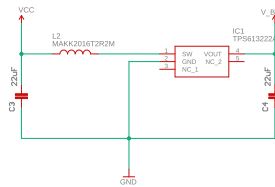


6V to 36V Buck



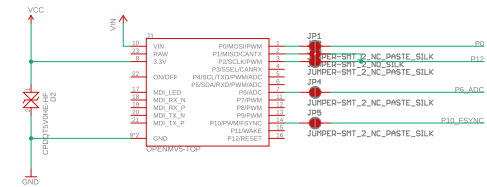
■ Buck output voltage is about 5.65V to be 5V after the diode forward voltage drop.

3.3V to 5V Boost

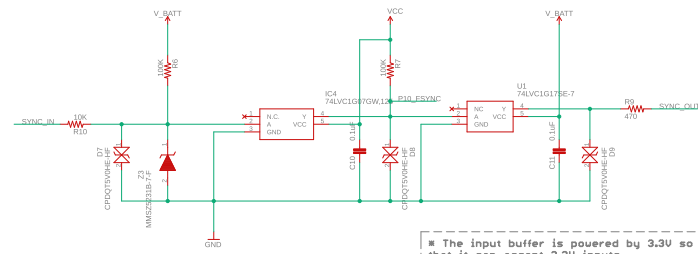


■ 3.3V is used to create the 5V rail so it can be turned off in low power mode.

Shield Headers



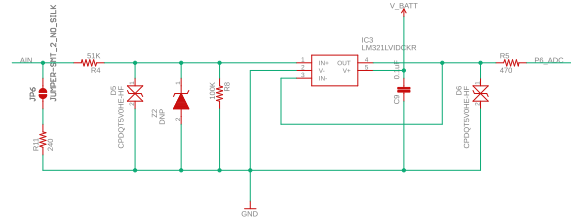
FSYNC Input and Output



■ The input buffer is open drain so that SYNCIN is OR'ed with multiple shields attached.

■ The input buffer is powered by 3.3V so that it can accept 3.3V inputs.

ADC Input

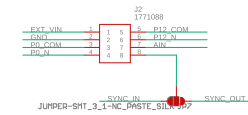


■ The front end scales a 0-5V signal down to 0-3.3V. Reverse/Over-Voltage is clamped.

■ The shunt resistor when connected allows the ADC circuit to read 4-20mA sensors.

■ The opamp is powered by 5V so that it can pass 0-3.3V signals (0-5V on input).

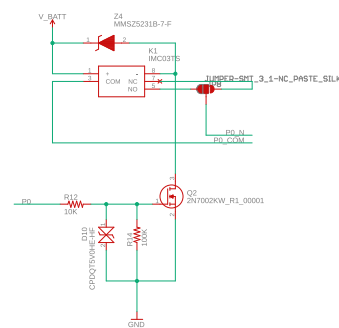
Terminal



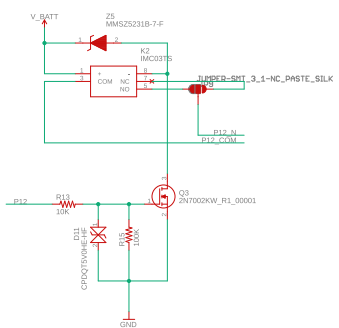
Mechanical

○ ○ ○ ○ ○ ○ ○ ○ ○ ○

Relay Control



■ Contact Ratings
15VDC, 4A, 60W
38VDC, 2A, 60W
118VDC, 0.54A, 60W
228VDC, 0.27A, 60W
125VAC, 0.5A, 62.5W
268VAC, 0.25A, 62.5W
E.g. the power switch must be ~60W or 62.5W.



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