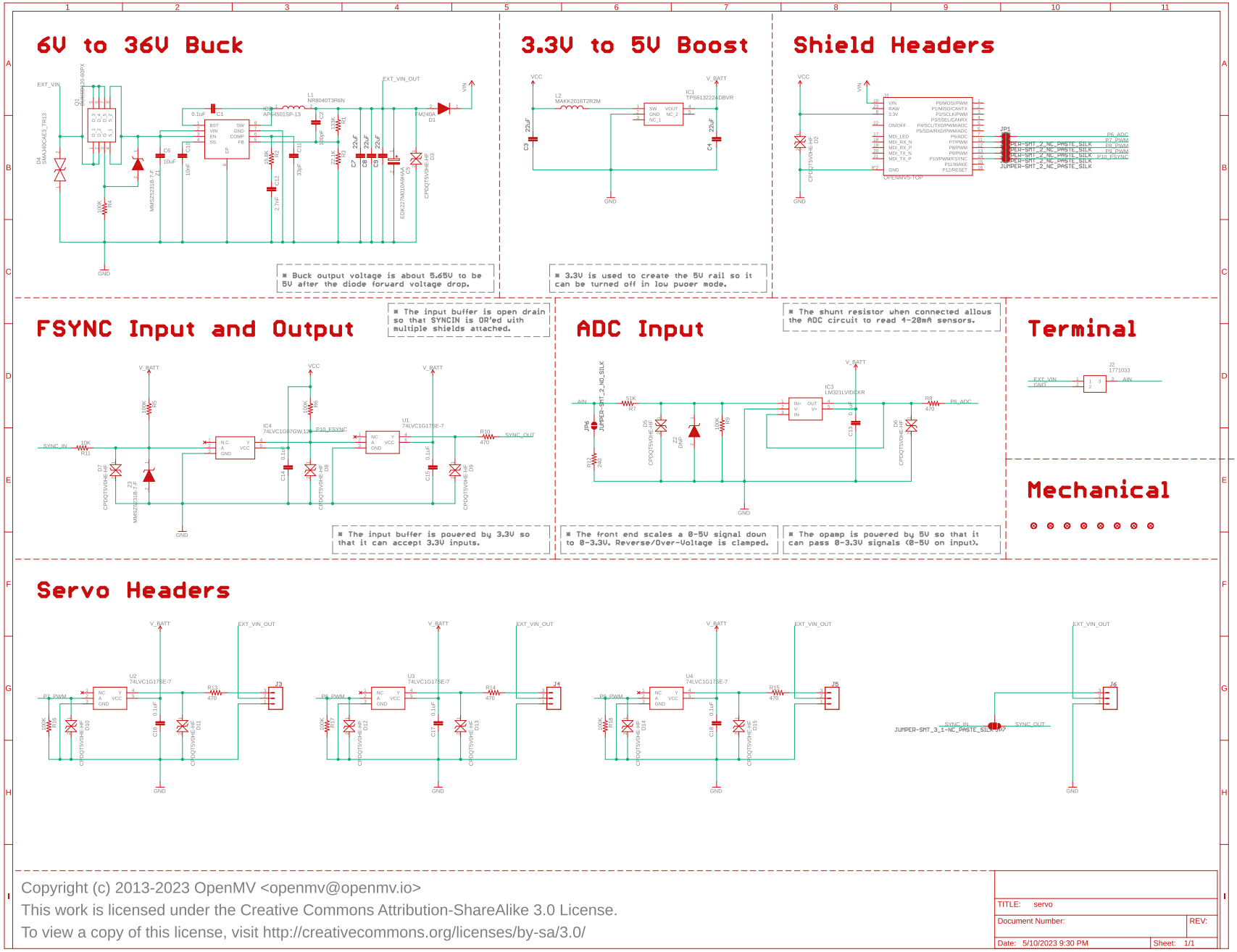
6V to 36V Buck
* Buck output voltage is about 5.65V to be 5V after the diode forward voltage drop.
3.3V to 5V Boost
* 3.3V is used to create the 5V rail so it can be turned off in low power mode.
Shield Headers
FSYNC Input and Output
* The input buffer is open drain so that SYNCIN is OR'ed with multiple shields attached.
* The input buffer is powered by 3.3V so that it can accept 3.3V inputs.
ADC Input
* The shunt resistor when connected allows the ADC circuit to read 4-20mA sensors.
* The front end scales a 0-5V signal down to 0-3.3V. Reverse/Over-Voltage is clamped.
* The opamp is powered by 5V so that it can pass 0-3.3V signals (0-5V on input).
Terminal
Mechanical
Servo Headers
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Sheet: 1/1