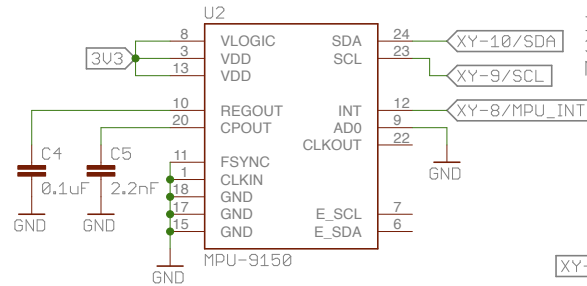
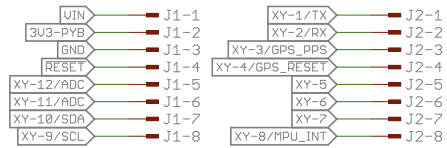
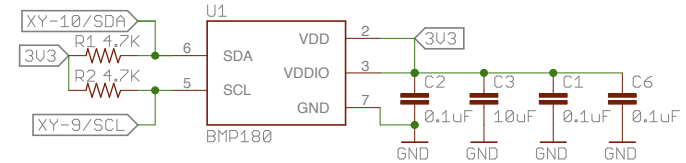


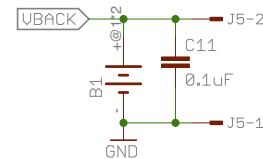
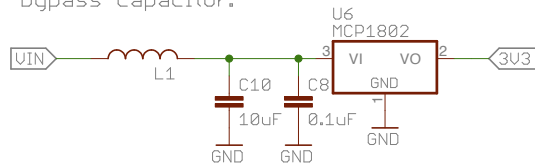
Pyboard connection headers



Bosch BMP180, 24-bit barometric altimeter with I2C interface



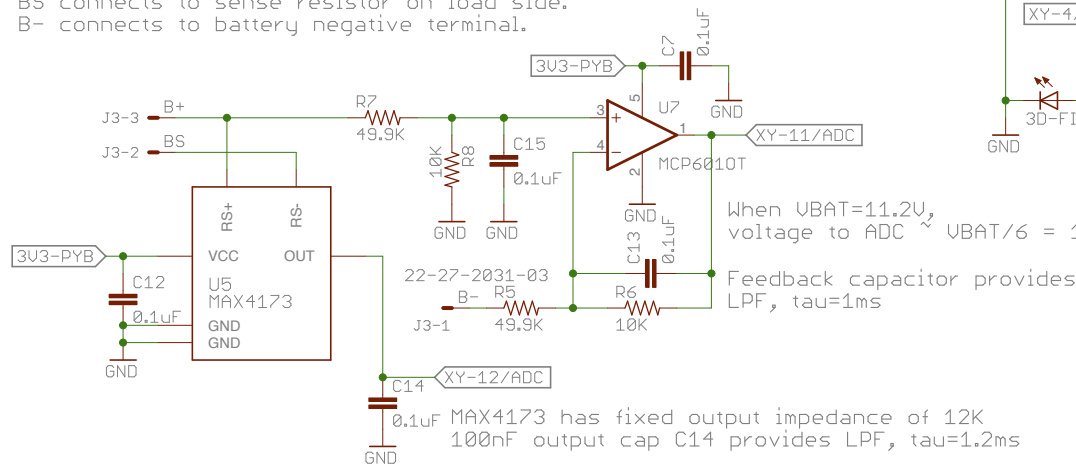
3.3V LDO output connects directly to C9 on board. If layout is rearranged, LDO output should get its own 100nF bypass capacitor.



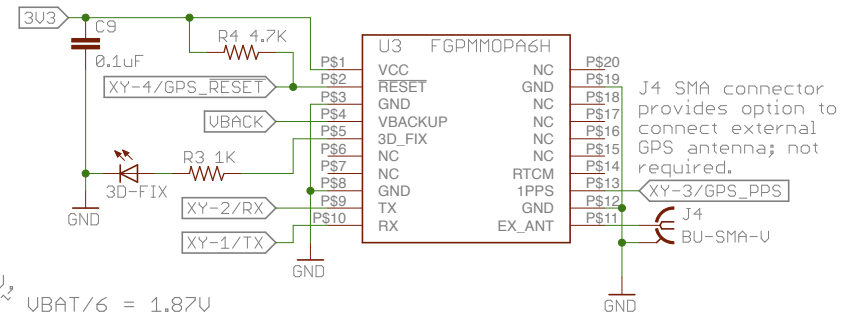
B1 is a 12mm coin-cell holder. Battery backup allows GPS to retain satellite orbital data for faster startup. J5 provides option to supply backup power to pyboard RTC.

Battery Pack Current/Voltage Monitor:

In Quadcopter application, Li-poly battery pack supplies Electronic Speed Controllers (ESC's) through a ~1millionhm sense resistor connected to positive terminal of battery pack. B+ (battery +) connects to sense resistor on battery side. BS connects to sense resistor on load side. B- connects to battery negative terminal.



FGPMMPA6H integrated GPS receiver module from GlobalTop, based on MediaTek MT3339 GPS chipset. RTCM is a serial input for external Differential GPS data, not enabled in default firmware. Note that DGPS capability is provided by SBAS signal (WAAS, EGN0, GAGAN, MSAS) which requires no external input.



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