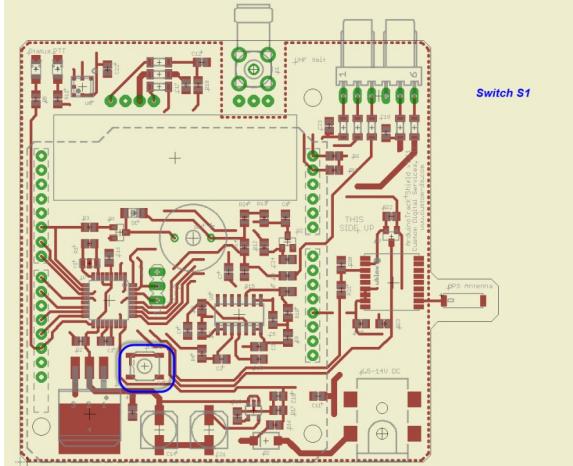


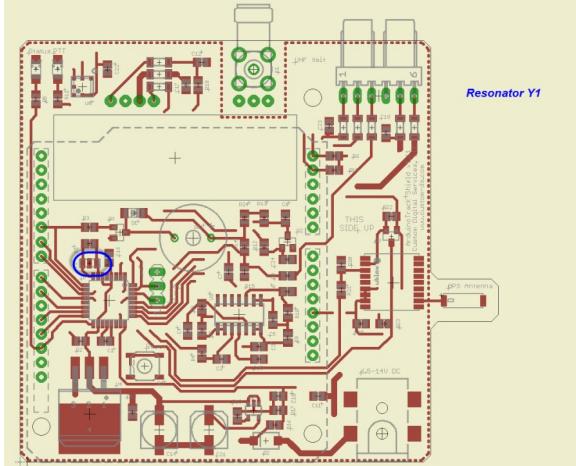
ArduinoTrack Assembly

Version 1.0 for PCB Version 1.11

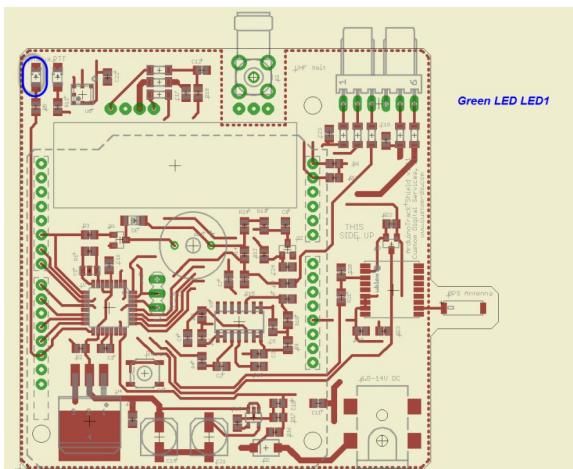
Switch S1



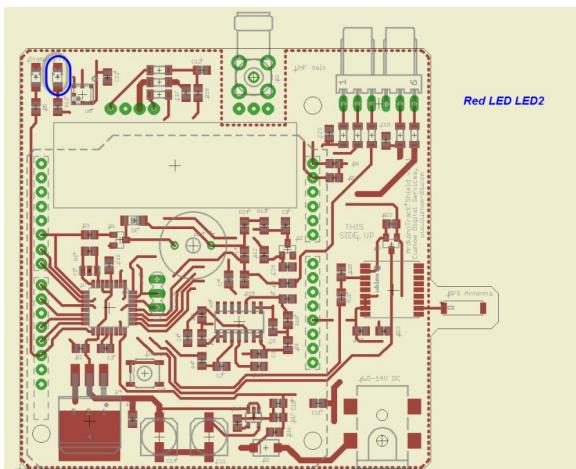
Resonator Y1



Green LED LED1

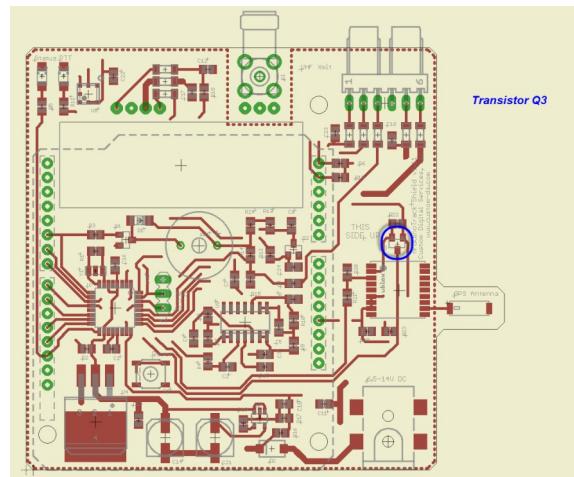
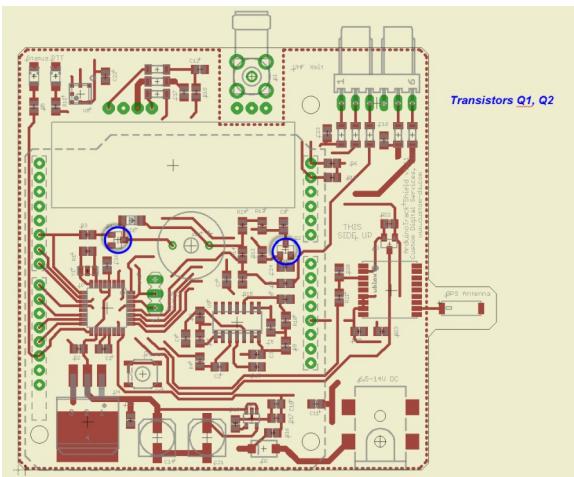


Red LED LED2

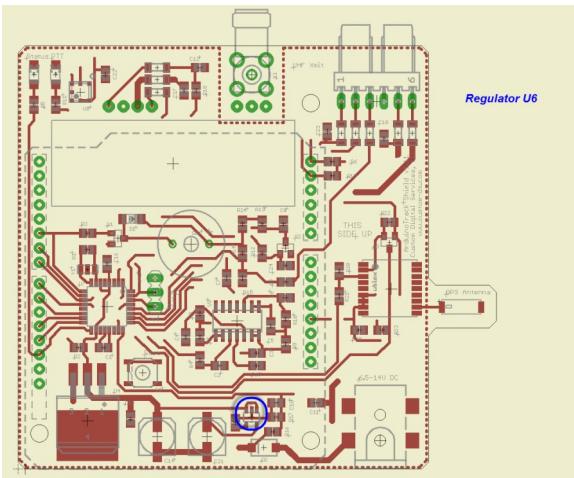


Transistors Q1, Q2

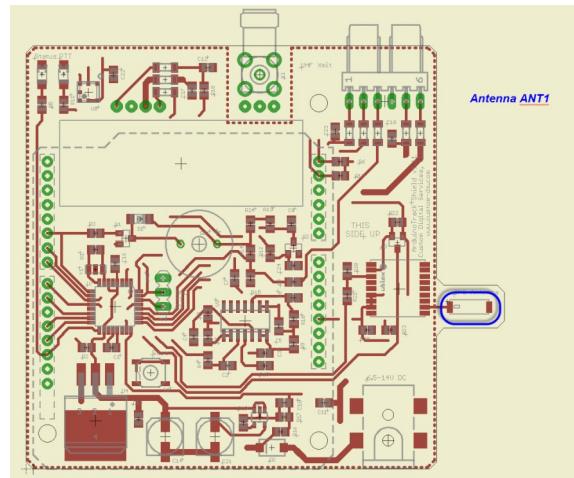
FET Transistor Q3



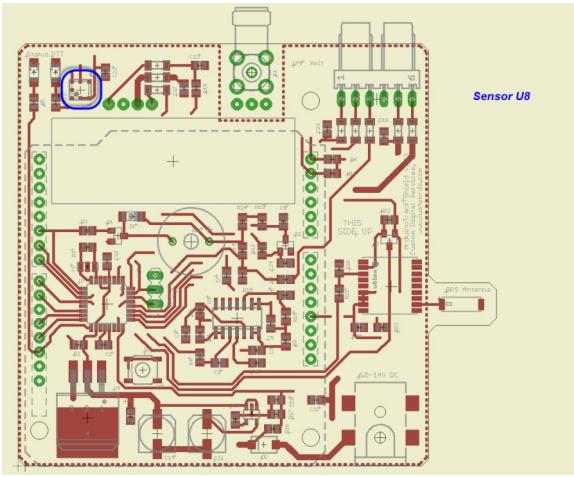
3.3V Regulator U6



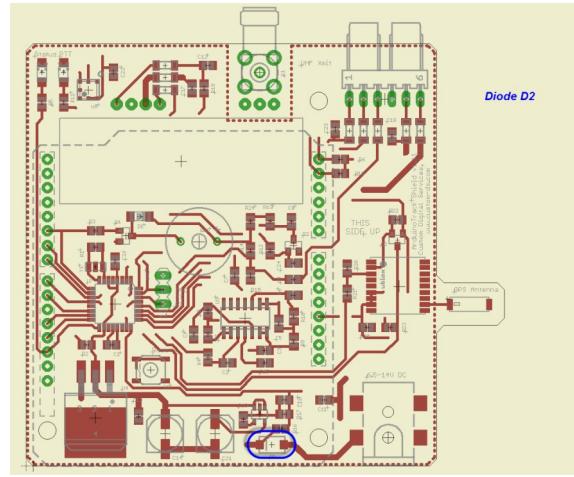
GPS Antenna ANT1



BMP180 Temp/Baro Sensor U8

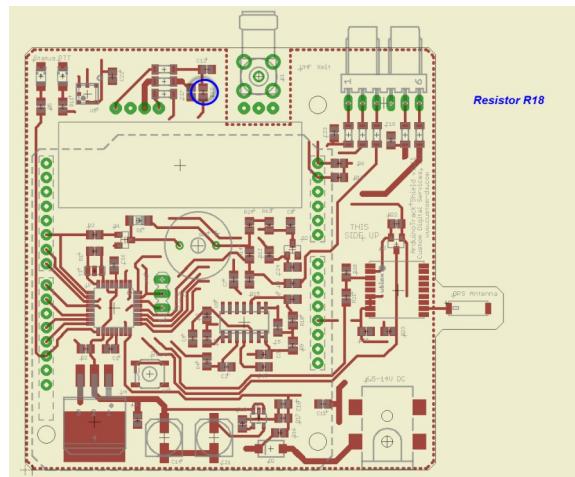
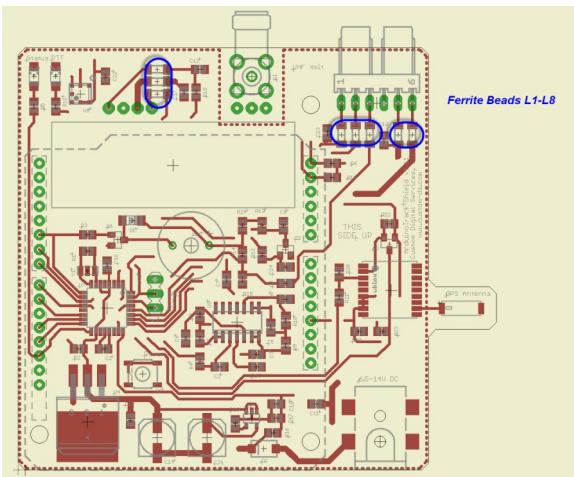


Schottky Protection Diode D2

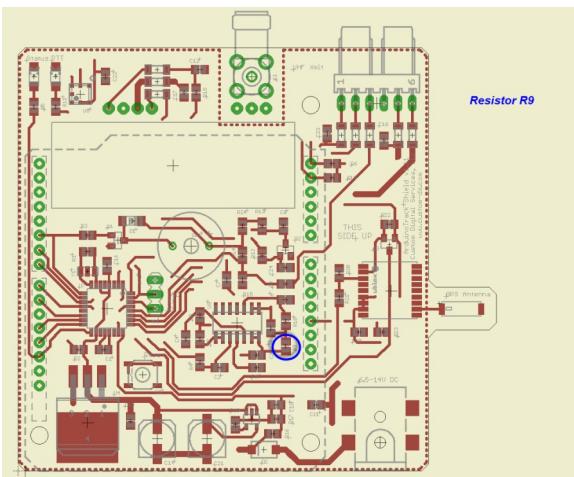


Ferrite Beads L1-L8

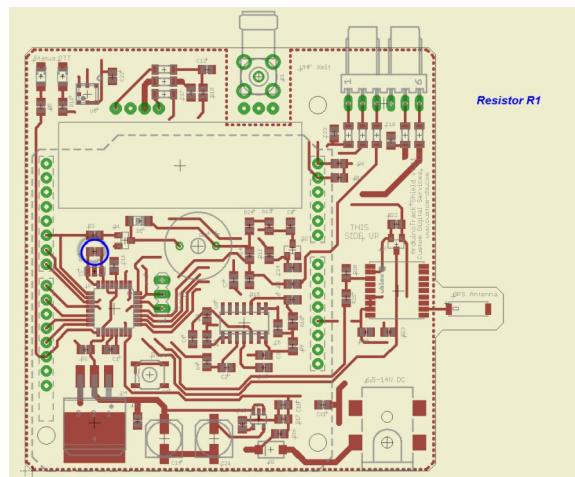
100Ω Resistor R18



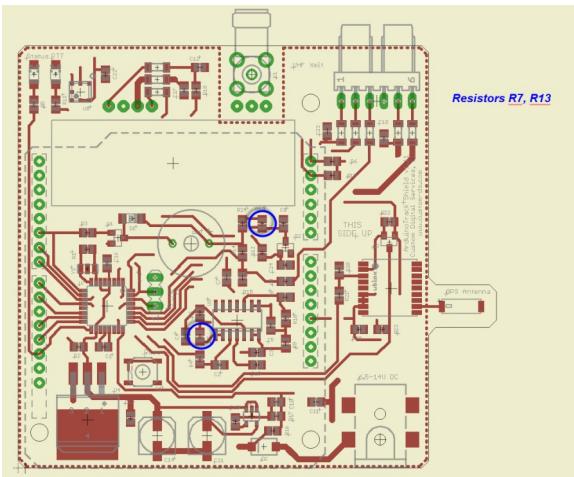
390Ω Resistor R9



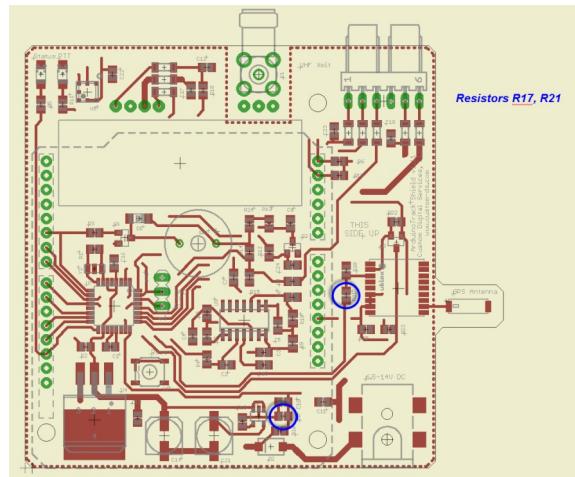
1M Resistor R1



2.2k Resistors R7, R13

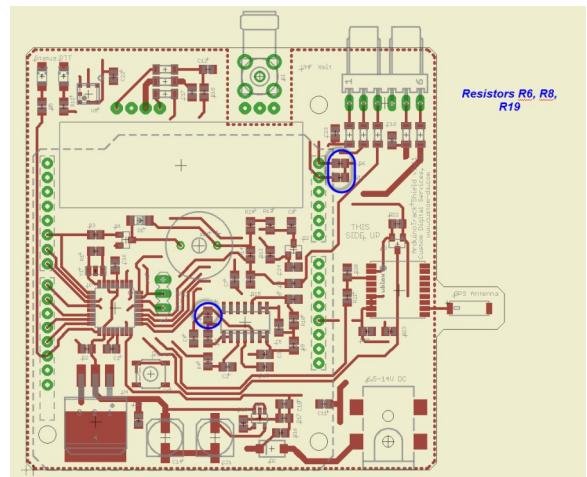
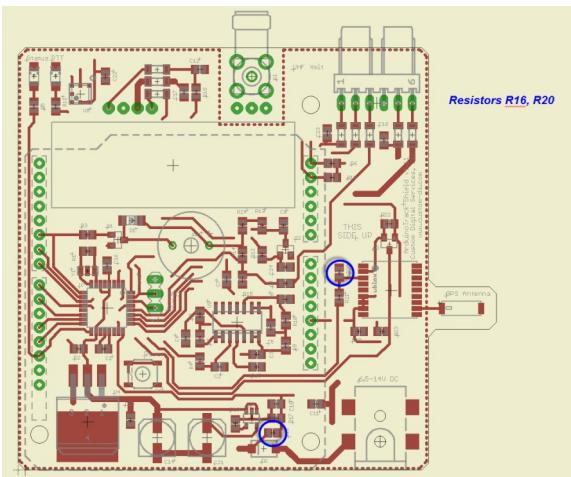


47k Resistors R17, R21

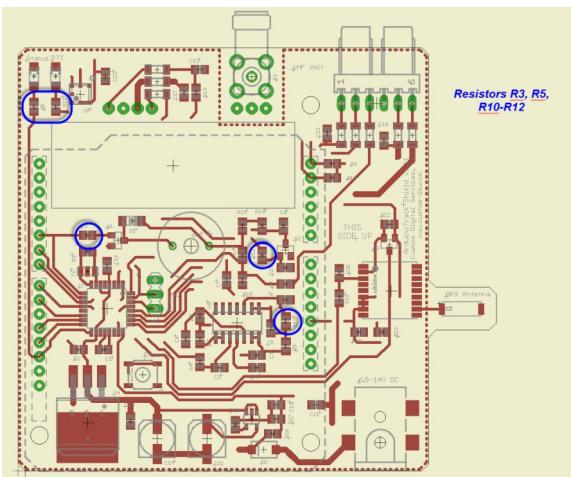


100k Resistors R16, R20

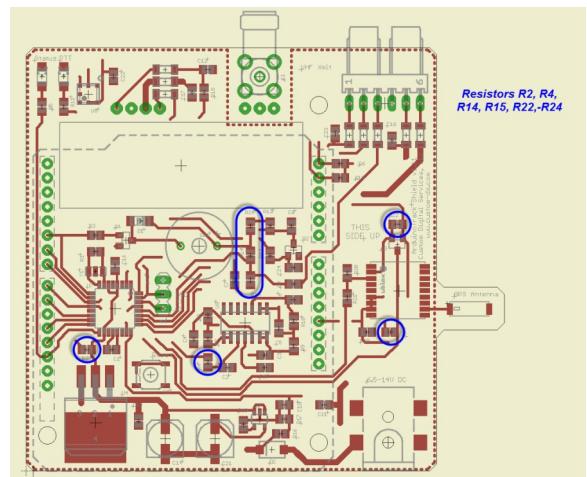
4.7k Resistors R6, R8, R19



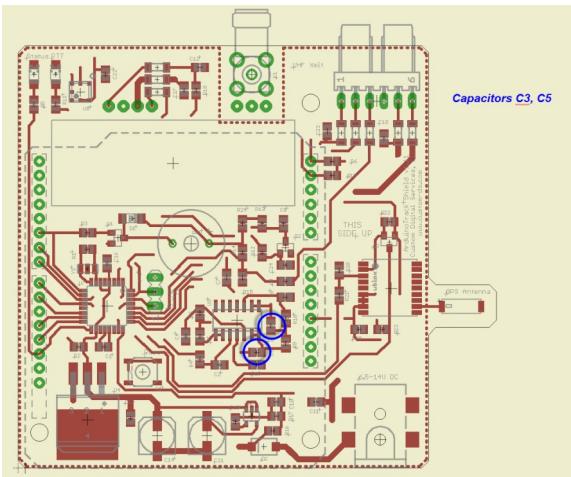
1k Resistors R3, R5, R10-R12



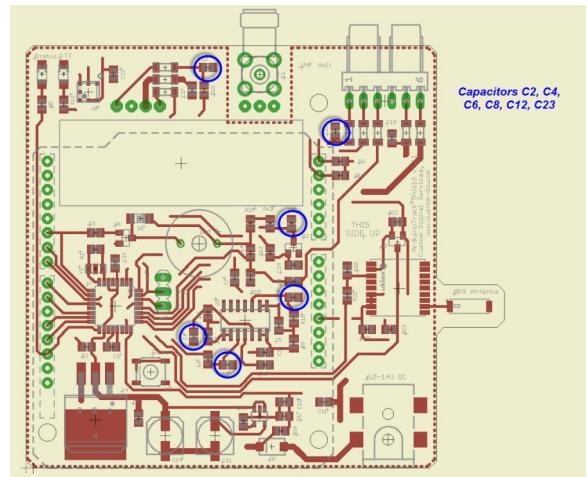
10k Resistors R2, R4, R14, R15, R22-R24



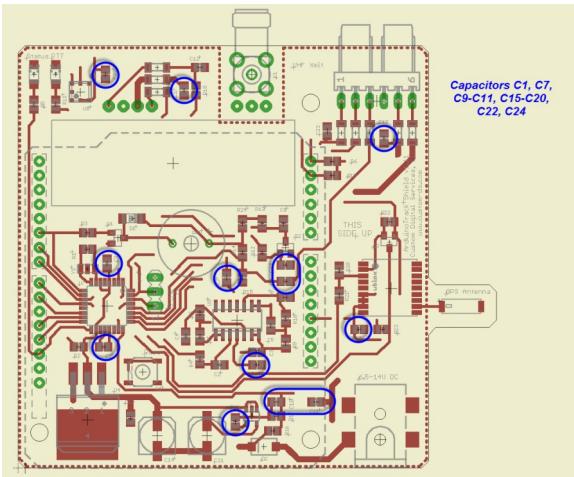
47nF Capacitors C3, C5



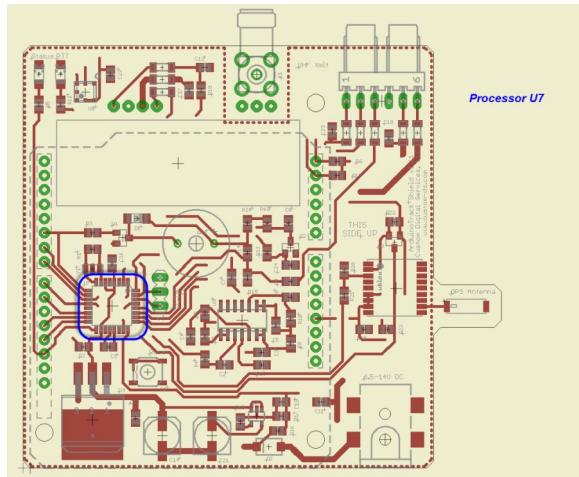
10nF Capacitors C2, C4, C6, C8, C12, C23



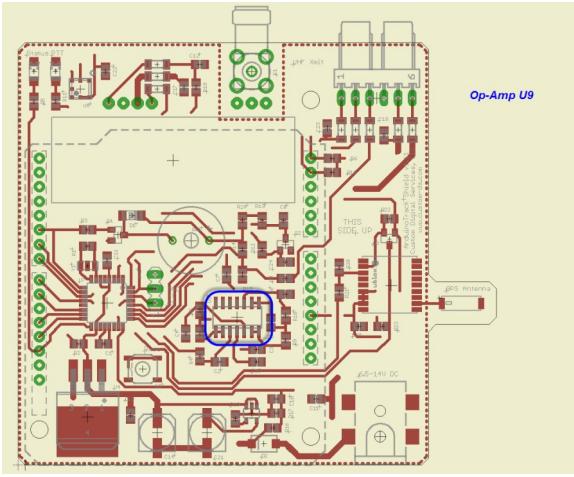
.1 μ F Capacitors C1, C7, C9-C11, C15-C20, C22, C24



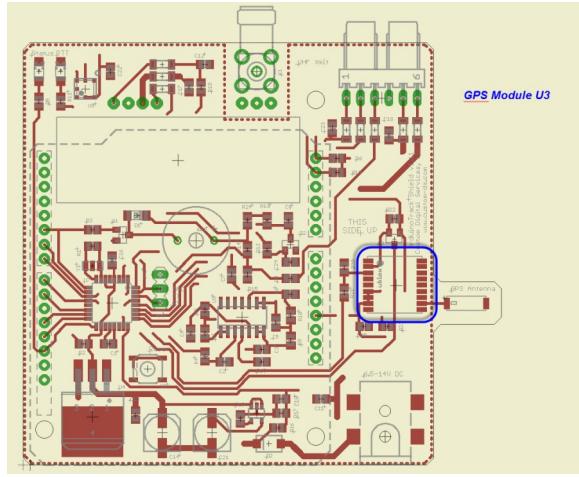
ATMega328p μ Controller U7



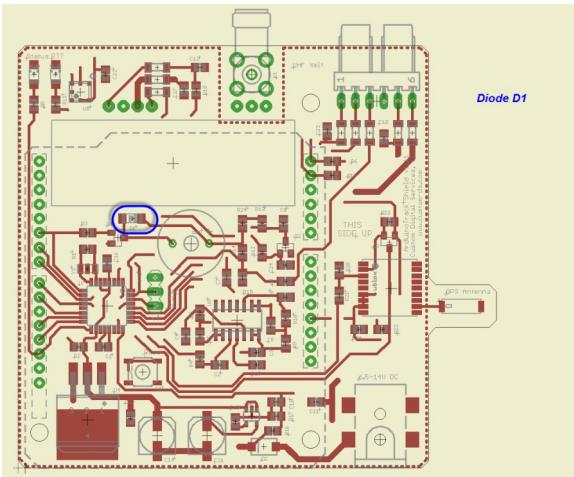
MCP6L04T Op-Amp U9



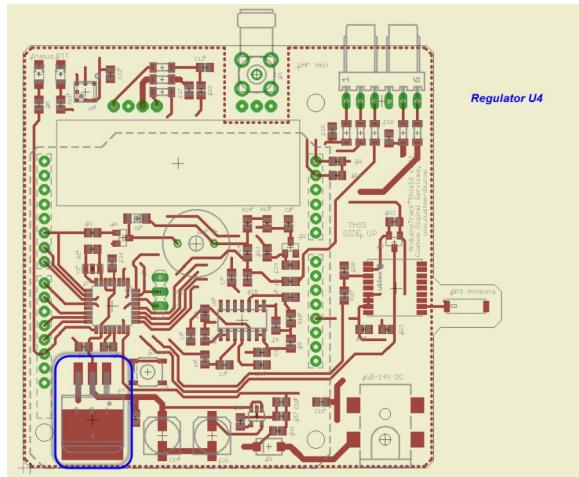
uBlox MAX-M8Q GPS Module U3



Diode D1



5V Regulator U4



47 μ F Electrolytic Capacitors C14, C21

Power Jack J1

