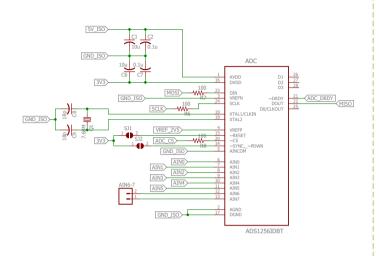
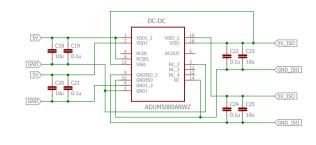
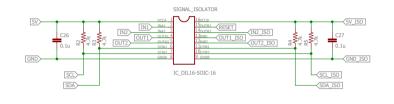
Electrical Measurements VBUS2 0.005

Analog-Digital Conversion

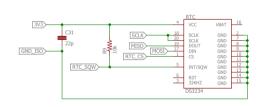


Isolation

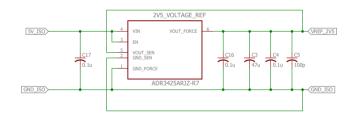




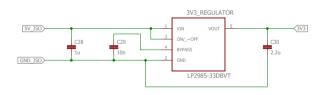
Real Time Clock



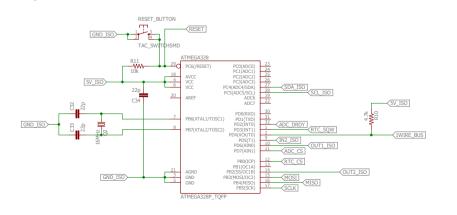
Voltage Reference for ADC



3V3 Regulator



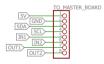
Standalone Arduino (atmega328)



Connectors







Measuring PCB

Sideridis Paschalis

March 2016

This board measures Voltage, Current and Temperature of a PV panel.In addition, it gets Date and Time stamp. The data are collected by the microprocessor Atmega328 and send out as I2C packages to master board. Every connection outside the board is isolated. (NOMINAL 40V@8A, MAX 45V@15A)