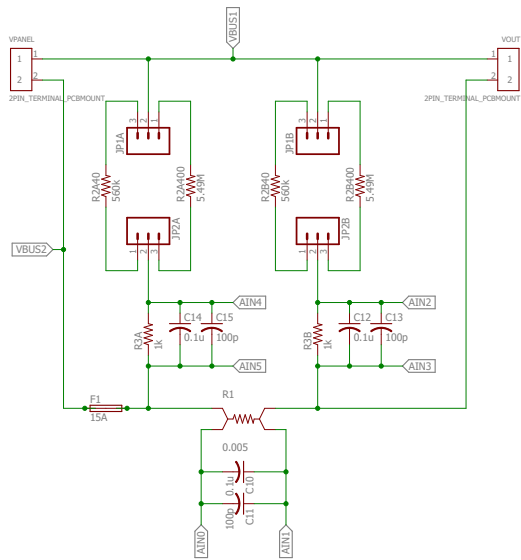
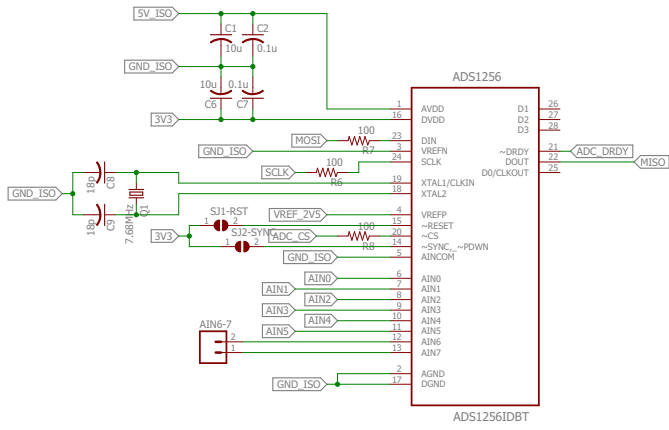


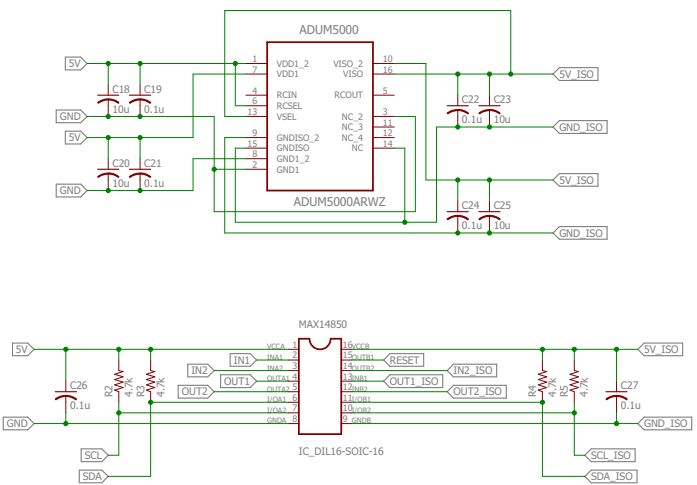
Electrical Measurements



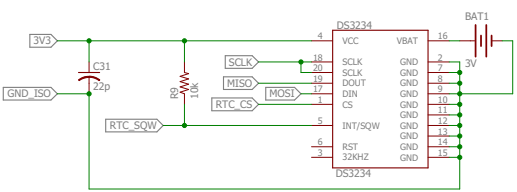
Analog-Digital Conversion



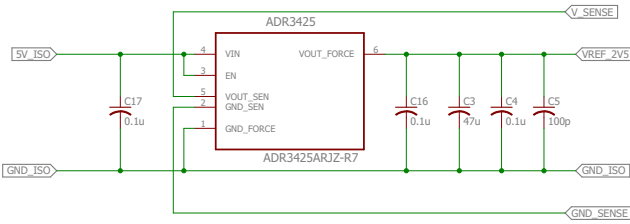
Isolation



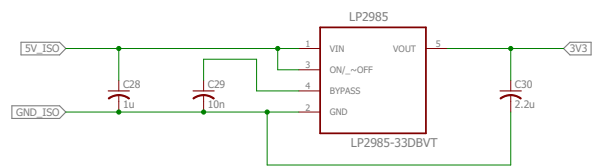
Real Time Clock



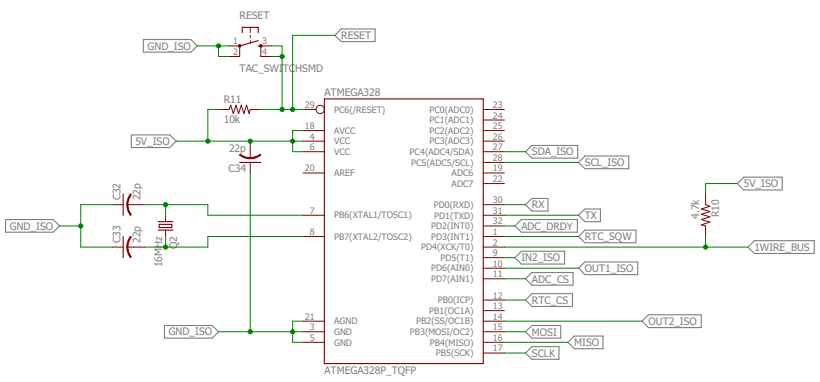
Voltage Reference for ADC



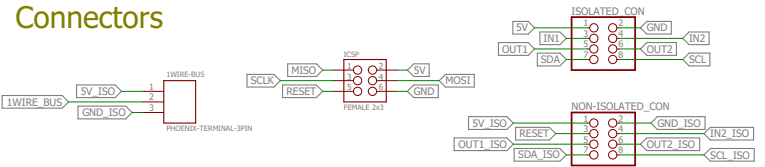
3V3 Regulator



Standalone Arduino (atmega328)



Connectors



title	
Measuring PCB v2.3	
designer	date
Sideridis Paschalis	March 2016
description	
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)	