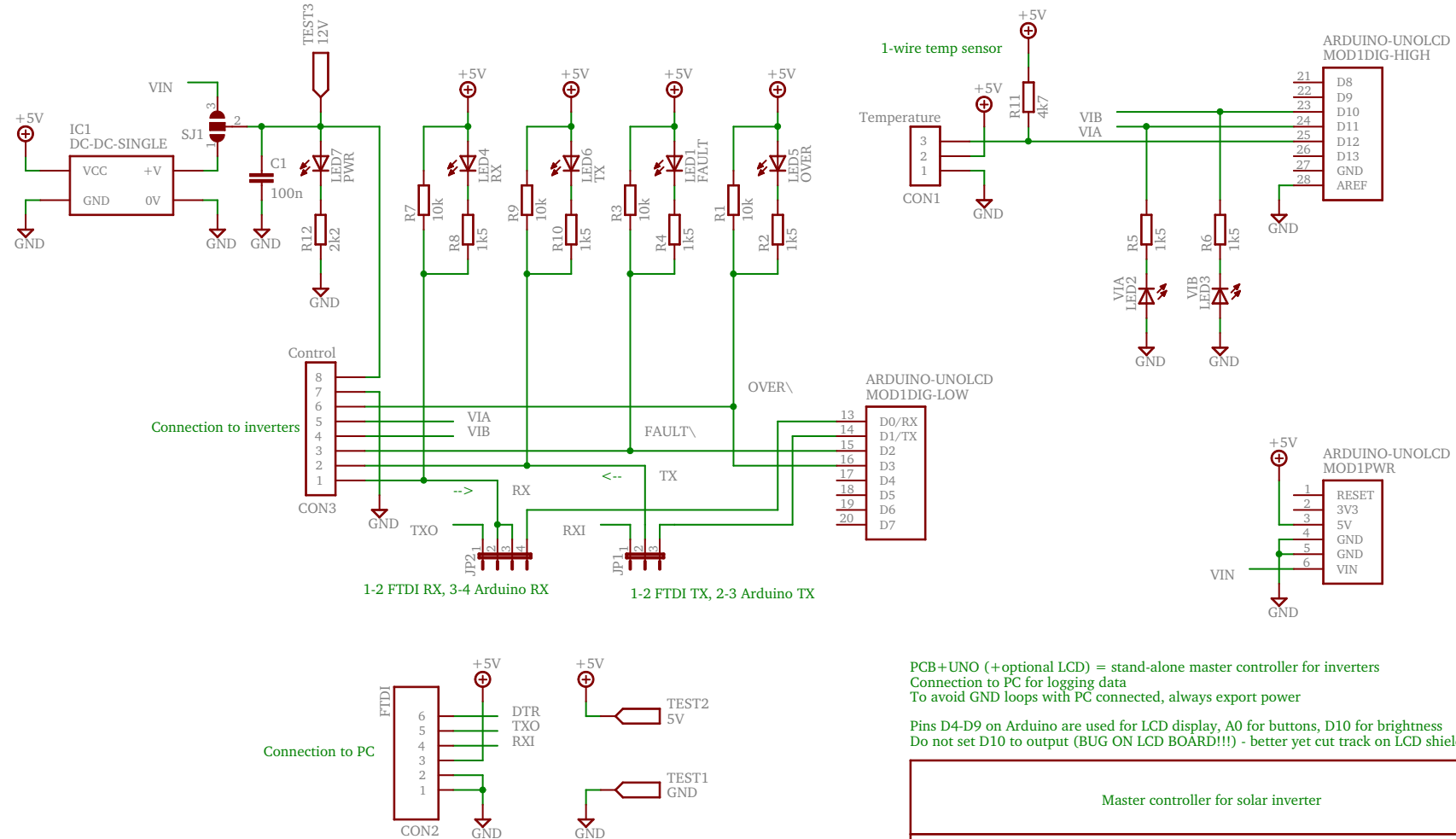


AREF should not be connected to GND! Should be N/C
PCB doesn't have markings for SJ1 positions!
VIB and VIA LEDs polarity wrong!

Export pwr to inverters. 1-2 step up Arduino 5V to 12V. 2-3 use Arduino Vin. N/C do not export power.



PCB+UNO (+optional LCD) = stand-alone master controller for inverters

Connection to PC for logging data

To avoid GND loops with PC connected, always export power

Pins D4-D9 on Arduino are used for LCD display, A0 for buttons, D10 for brightness

Do not set D10 to output (BUG ON LCD BOARD!!!) - better yet cut track on LCD shield!

Master controller for solar inverter

TITLE: master-v100

Document Number:

REV:

Date: 8/11/2017 17:37:27

Sheet: 1/1

8P8C connector, Assmann A-2004-2-4-LP-N-R connector mod jack R/A, Digikey #AE10384-ND
DC/DC power supply 5V->12V, muRata CME0512S3C, Digikey #811-2892-5-ND