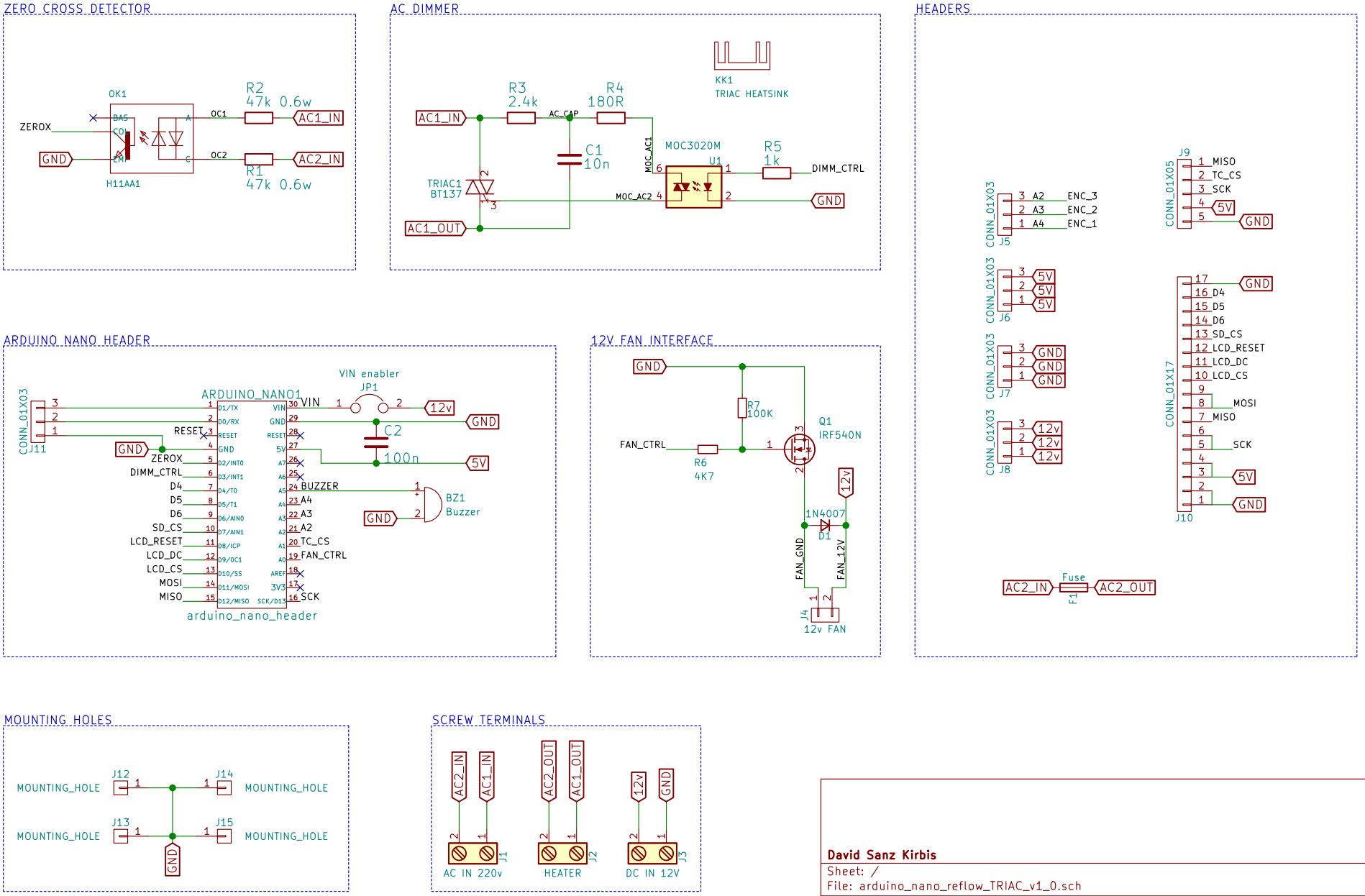
ZERO CROSS DETECTOR
OK1
ZEROX
GND
BAS
CO
EM
A
C
OC1
OC2
H11AA1
R2
47k 0.6w
R1
47k 0.6w
AC1_IN
AC2_IN
AC DIMMER
KK1
TRIAC HEATSINK
R3
2.4k
R4
180R
AC_CAP
C1
10n
MOC_AC1
MOC_AC2
MOC3020M
U1
R5
1k
DIMM_CTRL
TRIAC1
BT137
AC1_OUT
HEADERS
CONN_01X03
J5
ENC_3
ENC_2
ENC_1
J6
5V
J7
GND
J8
12v
CONN_01X05
J9
MISO
TC_CS
SCK
CONN_01X17
J10
D4
D5
D6
SD_CS
LCD_RESET
LCD_DC
LCD_CS
MOSI
AC2_IN
Fuse
F1
AC2_OUT
ARDUINO NANO HEADER
CONN_01X03
J11
RESET
ZEROX
DIMM_CTRL
D4
D5
D6
SD_CS
LCD_RESET
LCD_DC
LCD_CS
MOSI
MISO
ARDUINO_NANO1
D1/TX
D0/RX
RESET
GND
D2/INT0
D3/INT1
D4/T0
D5/T1
D6/AIN0
D7/AIN1
D8/ICP
D9/OC1
D10/SS
D11/MOSI
D12/MISO
VIN
5V
A7
A6
A5
A4
A3
A2
A1
A0
AREF
3V3
SCK/D13
VIN enabler
JP1
12v
C2
100n
BUZZER
BZ1
Buzzer
FAN_CTRL
SCK
arduino_nano_header
12V FAN INTERFACE
R7
100K
R6
4K7
Q1
IRF540N
1N4007
D1
FAN_GND
FAN_12V
J4
12v FAN
MOUNTING HOLES
J12
J13
J14
J15
MOUNTING_HOLE
SCREW TERMINALS
J1
AC IN 220v
J2
HEATER
J3
DC IN 12V
David Sanz Kirbis
Sheet: /
File: arduino_nano_reflow_TRIAC_v1_0.sch
Title: Nano Reflow Controller
Size: A4
Date: 2017-07-09
Rev: 1.0
KiCad E.D.A. kicad (5.1.6-0-10_14)
Id: 1/1