

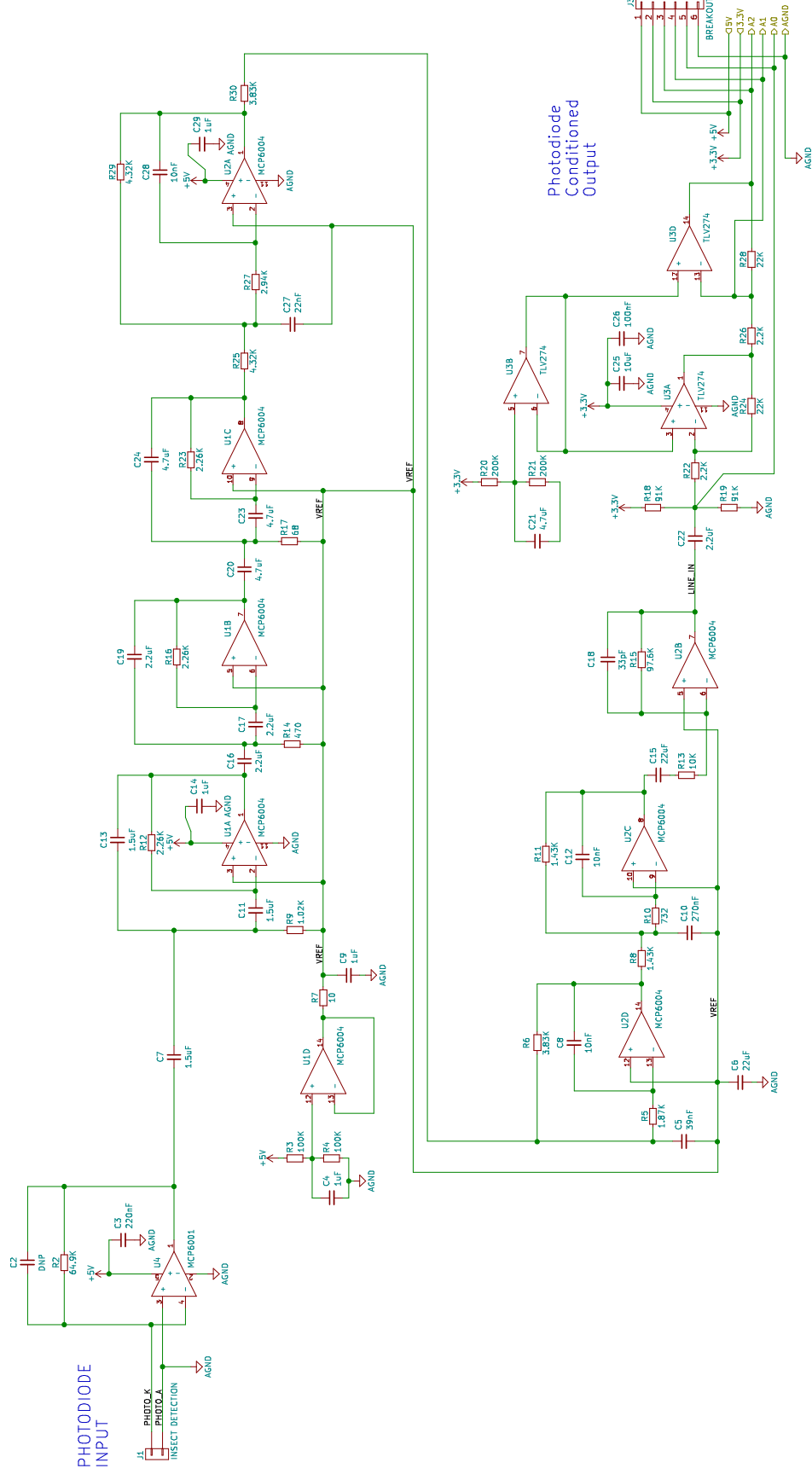
Wickerbox Electronics
<http://wickerbox.net>
jenner@wickerbox.net
CERN Open Hardware License v1.2
Sheet: /
File: mcphail-main-board.sch

Title: McPhail Trap Main Board

Size: USLetter	Date: 18 Jul 2017	Rev: 1.0
KiCad E.D.A.	KiCad 4.0.5-e0-633749ubuntu16.04.1	Id: 1/4

EMITTER
OUTPUT

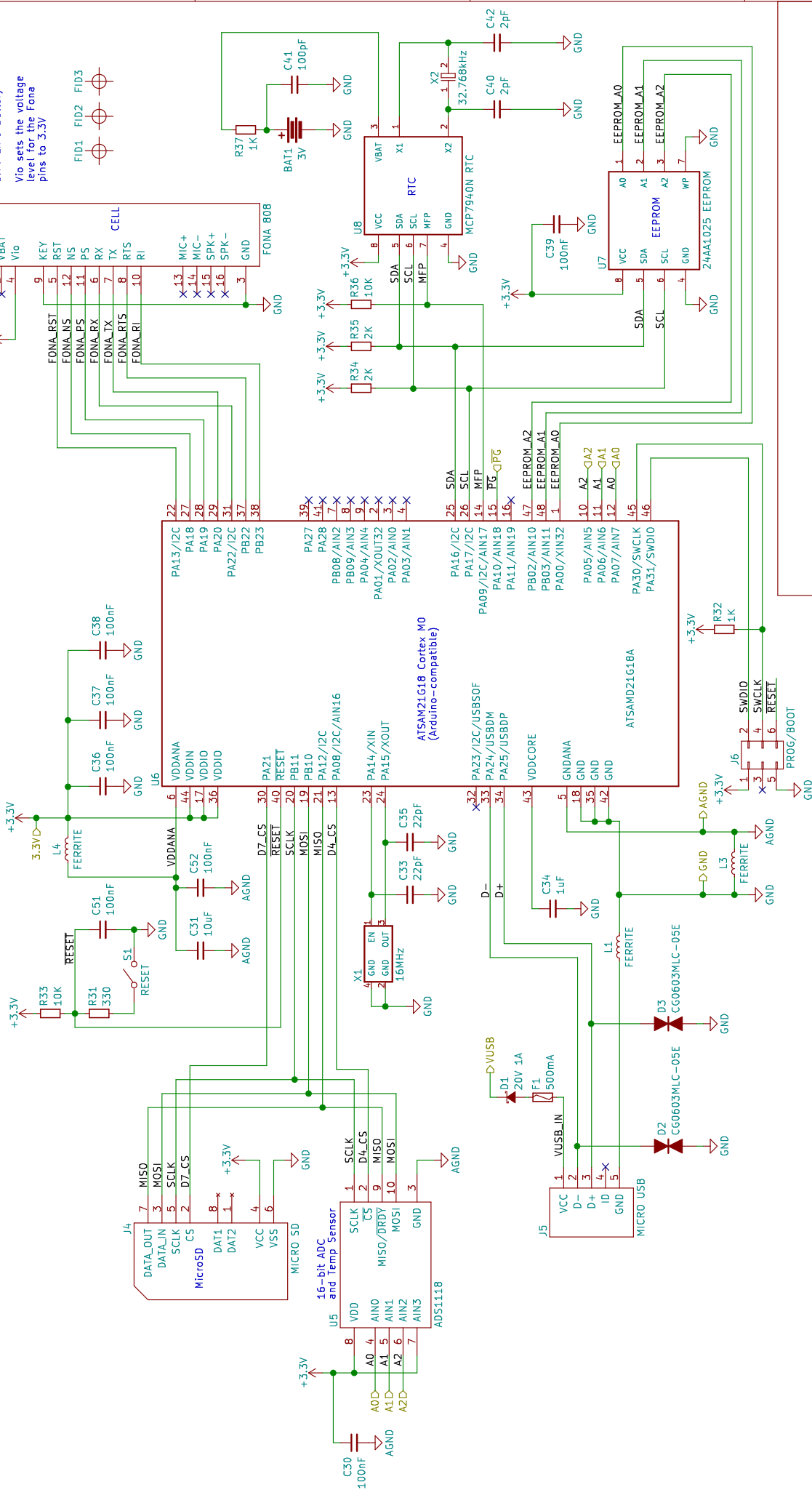
SHEET 2: SIGNAL CONDITIONING



SHEET 3: MICROCONTROLLER

5V is to charge the Fona's
3.7V LiPo Battery
Vio sets the voltage
level for the Fona
pins to 3.3V

FID1 FID2 FID3



Sheet: /Microcontroller/
File: microcontroller.sch

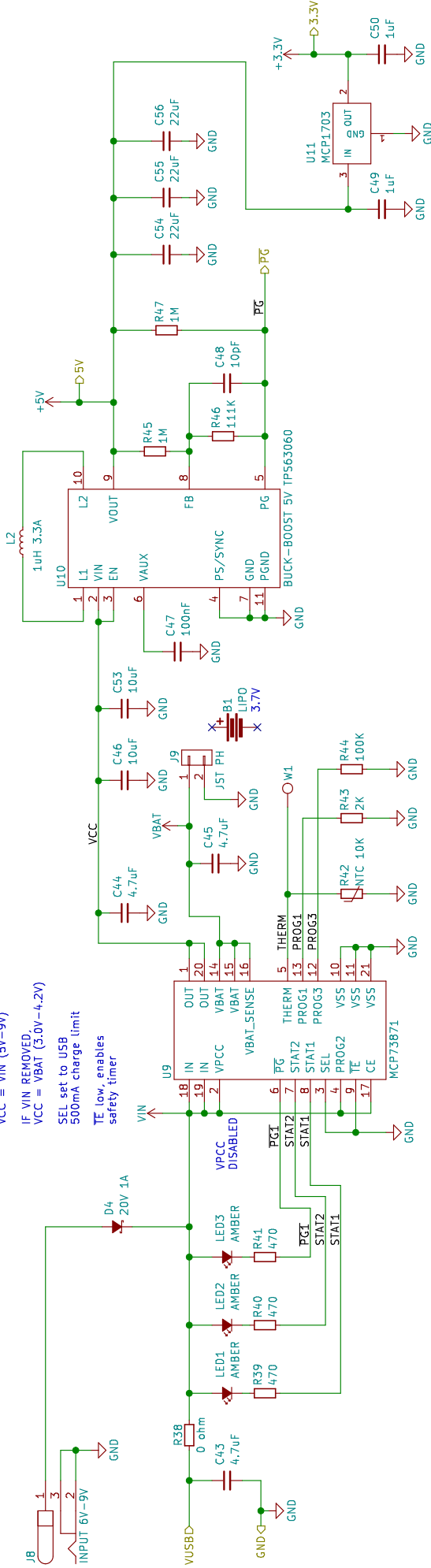
Title:

Size: A4 Date:
Kicad E.D.A. kicad 4.0.5-e0-633749ubuntu16.04.1

Rev:
Id: 3/4

SHEET 4: POWER INPUT

IF VIN EXISTS,
VCC = VIN (5V-9V)
IF VIN REMOVED,
VCC = VBAT (3.0V-4.2V)
SEL set to USB
500mA charge limit
TE low, enables
safety timer



Sheet: /Input Power/
File: input-power.sch

Title:

Size: A4 Date:

KiCad E.D.A. kicad 4.0.5-e0-633749ubuntu16.04.1

Rev:

Id: 4/4