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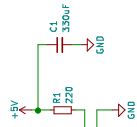
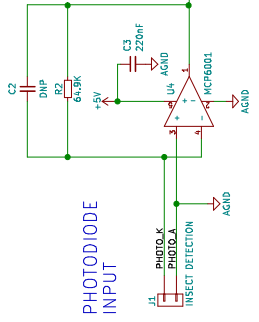
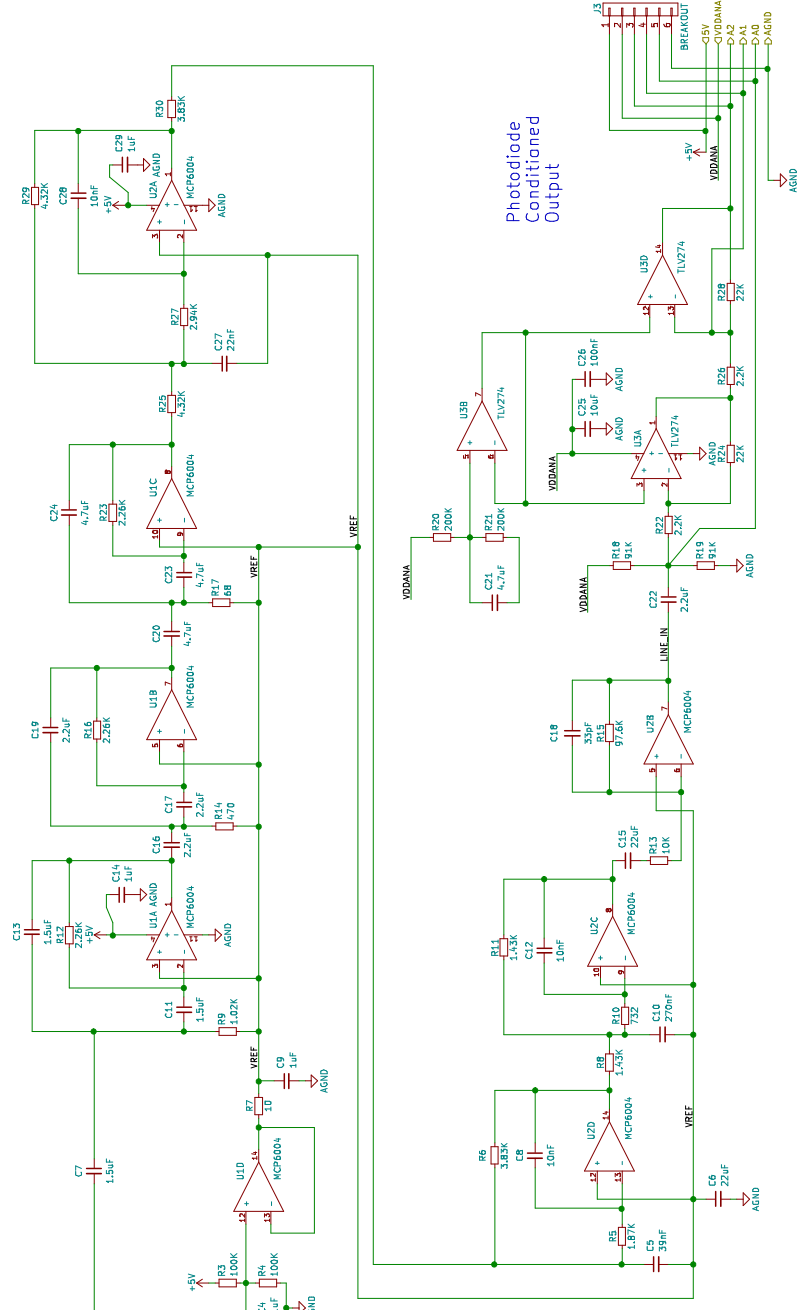
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Sheet: /
File: mcphail-main-board.sch

Title: McPhail Trap Main Board

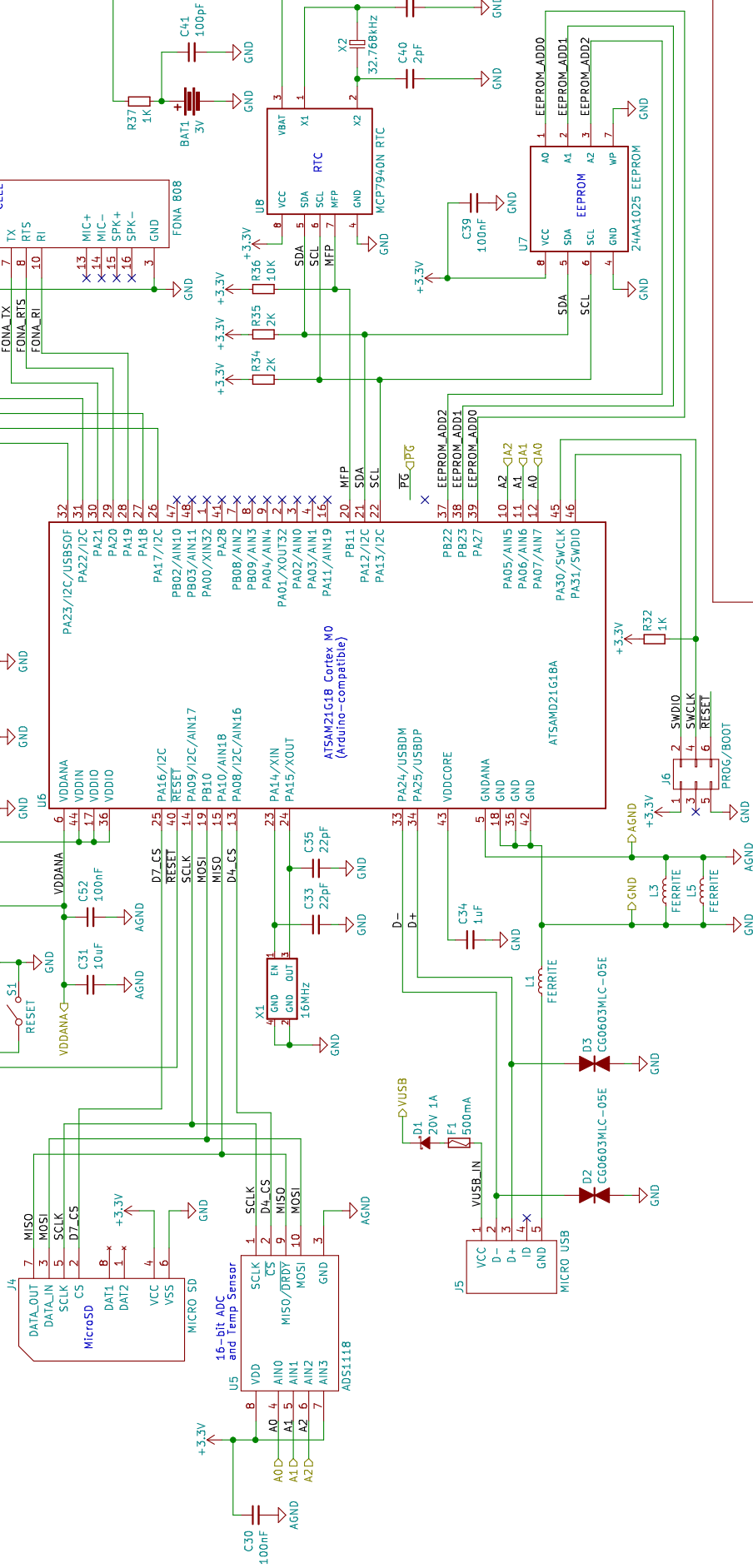
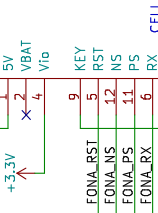
Size: USLetter Date: 18 Jul 2017
Kicad E.D.A. kicad 4.0.5-e0-633749ubuntu16.04.1

Rev: 1.0
Id: 1/4

PHOTODIODE
INPUTPhotodiode
Conditioned
Output

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



Sheet: /Microcontroller/
File: microcontroller.sch

Title:

Size: A4

Date:

Rev:

Id: 3/4

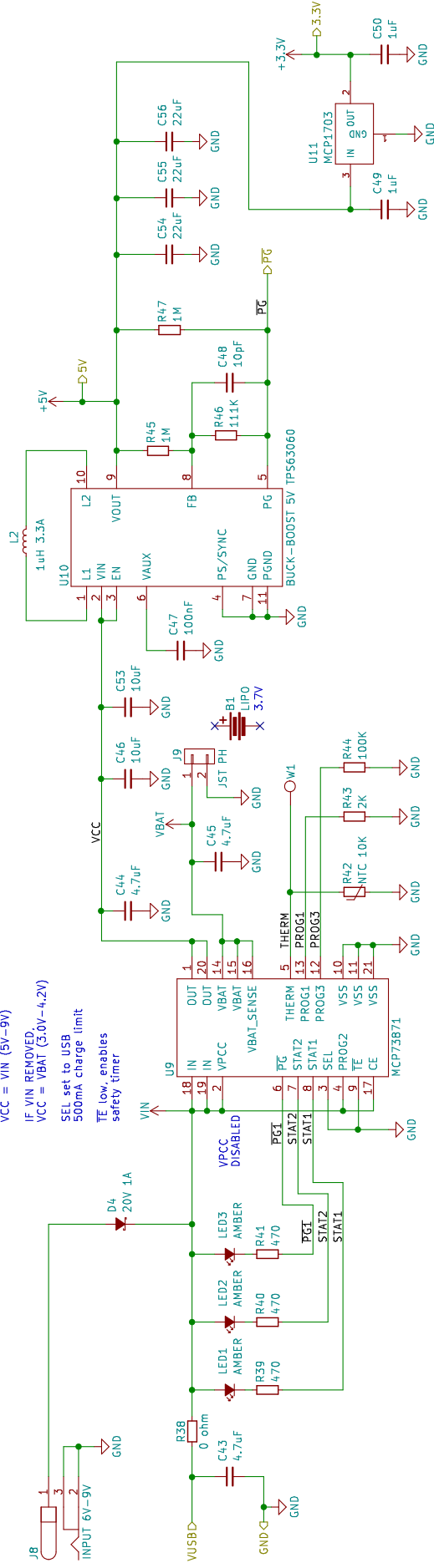
[illegible]

IF VIN EXISTS,
VCC = VIN (5V-9V)

IF VIN REMOVED,
VCC = VBAT (3.0V-4.2V)

SEL set to USB
500mA charge limit

\overline{TE} low, enables
safety timer



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

Title:

Size: A4	Date:
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Size	Age	Sex
KiCad	E.D.A.	kicad 4.0.5-e0-633749ubuntu16.04.1

Rev:

Id: 4/4 :PI