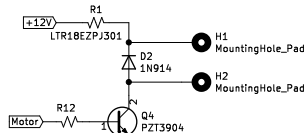
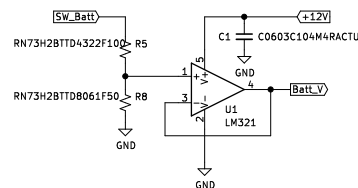


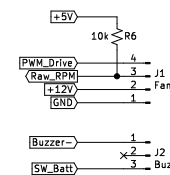
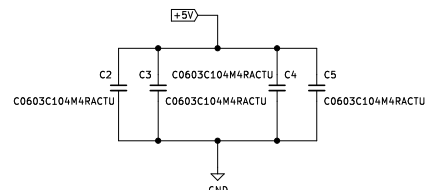
Micro to Speaker Driver
MUST BE MODULATED
NEVER LEAVE ON



Micro to Motor Driver
Limited Duty Cycle
NEVER LEAVE ON



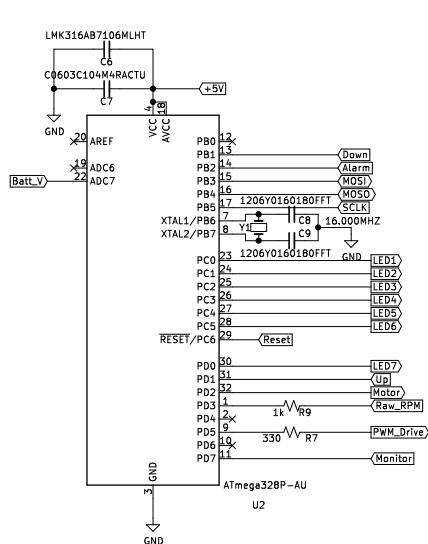
Batt Voltage Monitor
for 24v the values are 43.2k (R5) and 8.06k (R9) for divide by 5
for 20V the values are 33k and 8.2k for divide by 4
The input is clamped at 30v Max, over this the fuse will blow



Fan block:
Pin#4 PWM input to fan (Yellow)
Pin#3 RPM signal out from fan (Blue)
Pin#2 Power +12V@1A (Red)
Pin#1 Gound (Black)

Buzzer:
Pin#1 Buzzer -
Pin#2 N/C
Pin#3 Buzzer +

Power Block:
Pin#1 Return Batt Power
Pin#2 Int 30V Batt power



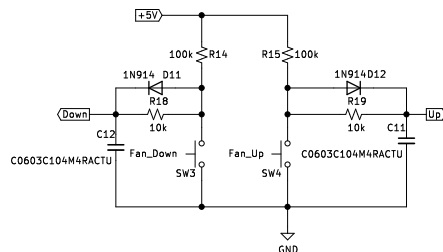
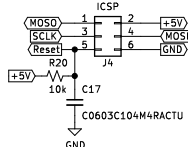
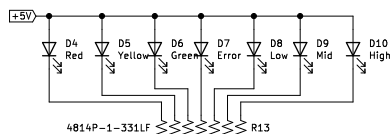
Micro_Power_Down is active High output from the Micro.
Latching this line low will power down the unit.

Up is active low input to the Micro.
When low this signals the Micro the Up button is depressed.
Up is debounced in hardware.
Do Not USE Int Pull Up.

Down is active low Input to the Micro.
When low this signals the Micro the Down button is depressed.
Down is debounced in hardware.
Do Not USE Int Pull Up.

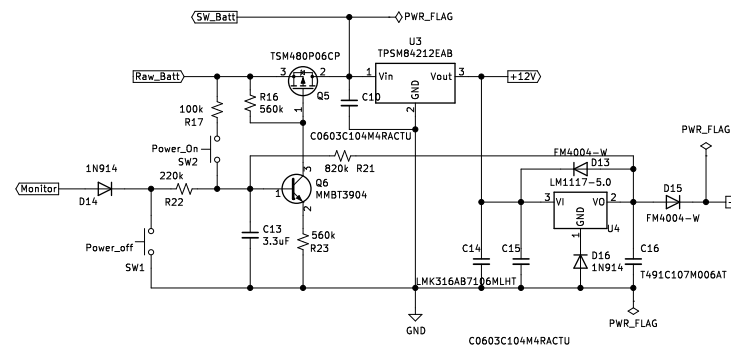
RPM is an input to the Micro.
When active, is a frequency directly related to fan speed

Monitor is an input to the Micro.
It is active low and signals the micro that the power down button is being pushed.
A diode is used to isolate the micro from n positive voltages.
As a result of this an internal PULL UP must be used on this input.



Sheet: Battery Interconnect

File: Batt_wiring.sch



For Software and Hardware Development Only!
Not for Human Use!

Sheet: /
File: 4-mill-vents.sch

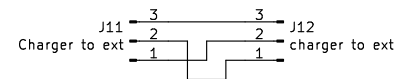
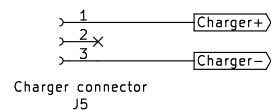
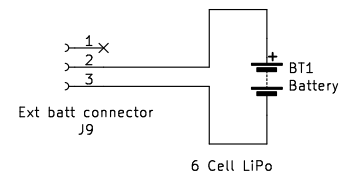
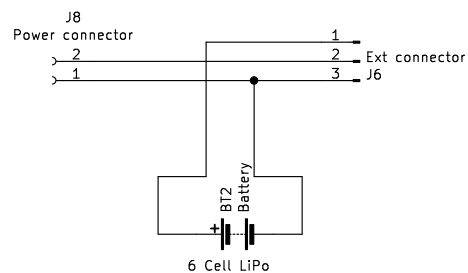
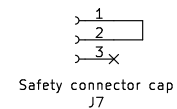
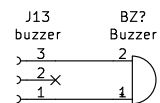
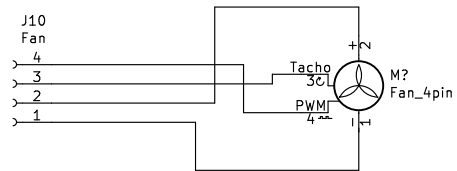
Title:

Size: B Date:

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Rev:

Id: 1/4



Sheet: batter pack

File: file5F1CA469.sch

Sheet: /Battery Interconnect/
File: Batt_wiring.sch

Title:

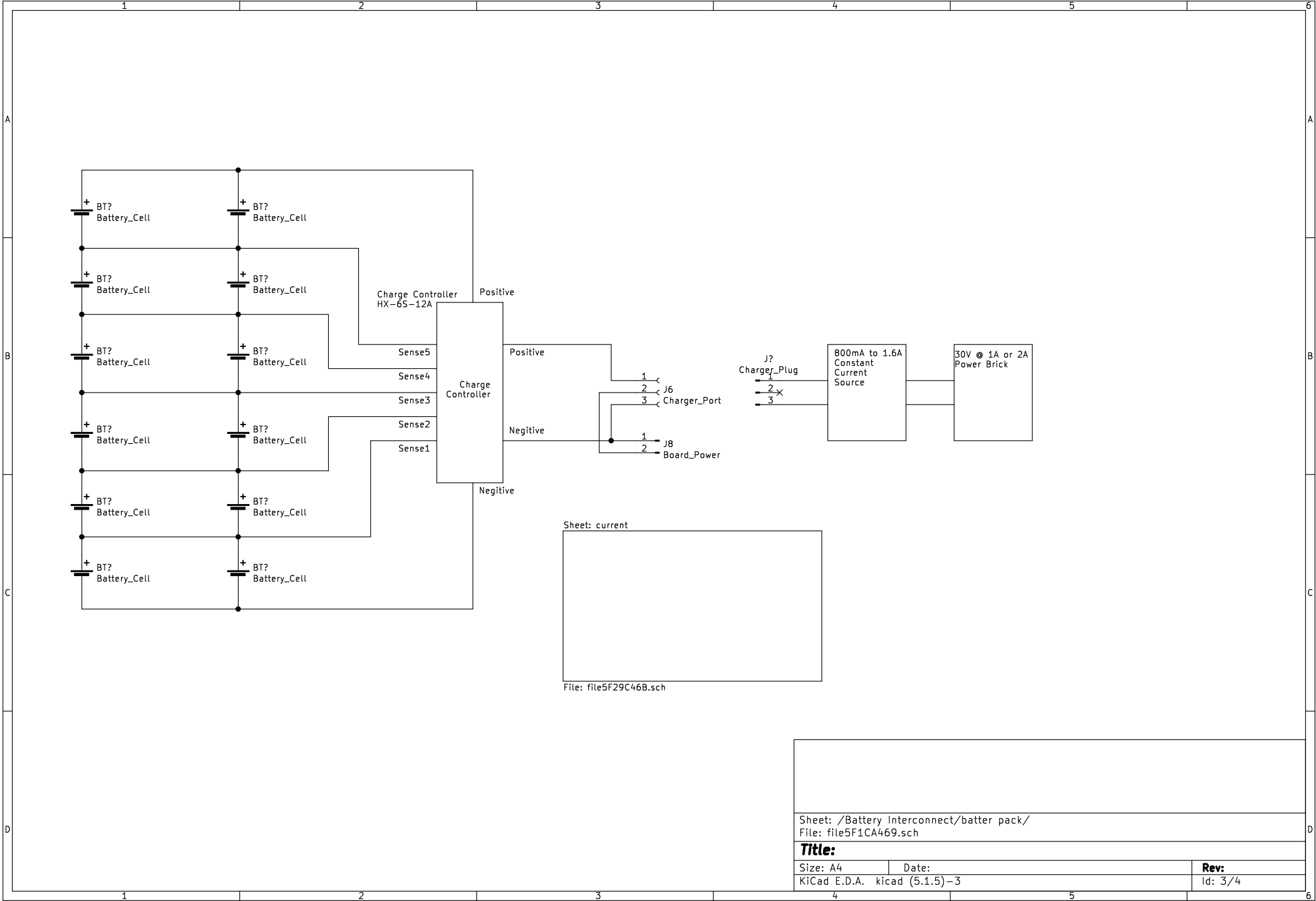
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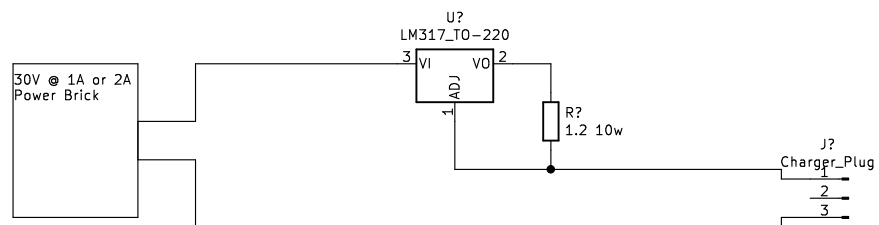
Date:

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Rev:

Id: 2/4





Heatsink both parts to 1.5 x 2 x 0.25 inch metel plate
Not to be used for production!

Sheet: /Battery Interconnect/batter pack/current/
File: file5F29C46B.sch

Title:

Size: A4

Date:

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Rev:

Id: 4/4