

## v.2 changelog

- Removed FAN-TACH
- Added GND-SWITCH to detect battery or external power
- Removed NC to Jumper
- Added FAN-SENSE to detect presence of fan power cable
- Removed JP1 3 pin fan header
- Added R11 pulldown on PWRON
- Added C4 power input CAP
- Components changed for JLC
- LEDs changed to RED
- MOSFET Fixed
- Diode package change
- Resistor values changed
- R1 & R2 Battery voltage divider changed values (was 10K & 5K6, is 18K & 10K)
   R8 FET gate resistor reduced (was 75R, is 47R)
- 12V LEĎ (was 1K1, is 1K2)
- Added 1A Resettable Fuse to 12V
- Moved FAN-PWM to W00 (was W03)
- Flipped Potentiometer 5V & GND

- Added BNC for connection to fan
- Removed DC Jack to fan
- Removed GROUND-SWITCH & FAN-SENSE
- Added 2nd fuse for fan 12V power
- Added buzzer circuit, driven by PB1

- Moved LED4 to PA4
  Changed LEDs to bright Green
  Changed LED current limited resistors to 120R
- Changed FET gate resistor to 120R
- Changed UPDI Resistor to 1.02K, per recommendation
- Changed Schottky diode to SOD-123 2AMP package
- Added Schottky Diode for reverse polarity protection on DC input and battery input
- Schematic cleanup, mild

- Replaced reverse polarity diode and fuses with E-FUSE circuit
- Connected PowerGood & ILM to ATtiny
- Added 0.1uF to ATtiny
- Removed expansion header
- Connected TXD to touchpad for debug
- Moved ADC-BAT to pin 13
- Renumbered LED1-4 on ATtiny for easy routing