

REVISION HISTORY
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List of changed from Rev3
1. The control signal for the Analog Mux is inverted now
2. Removed 3 ceramic caps at output (47uF). For stability
3. Changed bleeder resistor to 330 Ohms
4. Changed the ground sensing of the Voltage measurement ADC.
5. Removed C139 for stability
6. Removed C107
7. Removed SD ADC for Low current measurement
8. Added output current limiting
9. Added delay in VAA turn ON, demanded by SAR ADC
10. Added RTC on the I2C bus. Can be used to count the warm-up time
11. Replaced the THS4631 with OPA141 for better stability
12. Added over voltage protection
13. Added protection for high reverse current. Limit to 0.5A
14. Added reverve VBE protection for driver transistors in darlington
15. Added diode protection for high gain AD8422
16. Changed the TO220-4 sense resistor with 3 CS2512 0.33 resistors











