















REVISION NOTES

2.0:

- Schematic rework for clarity and added revision notes.
- Changed +5V reference for hall effect sensors
- Added LED indicators and name/date placard in silkscreen
- Reduced the number of hall effect sensors supported per board
- Set up autocalibration resistors for MCP3208 ADC
- Switched to more convenient power connector
- Added second MCP3208 sensor to track a seperate Tamura L01Z hall effect sensor
- Mass positioning changes for legibility
- Added mounting holes
- Added reverse polarity protection diode on barrel jack power input
- Set up contacter interface for automatic load switching as well as protection logic
- Added input protection diode and PTC for use with +12V barrel jack input
- Switched to six channel level shifter to support second MCP3208 device
- Moved FETs to low side of relays to ensure proper control
- Added chassis plane, tied mounting holes to said plane
- Swapped hall effect sensor jumpers for OR resistors that can't be double-seated
- 1.1: Revised SPI bus layout to correct mistaken pin assignment.
- 1.0: Initial development.

(PENDING REVIEW) Ed Katynski

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