















## **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 1.1: Revised SPI bus layout to correct mistaken pin assignment. 1.0: Initial development. (PENDING REVIEW) Ed Katynski Sheet: /Revision Notes/ File: revnotes.kicad sch Title: WCS1700 Calibrator Size: A4 Date: 2023-08-08 Rev: 2.0

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