

ZAHN ELECTRONICS, INC.

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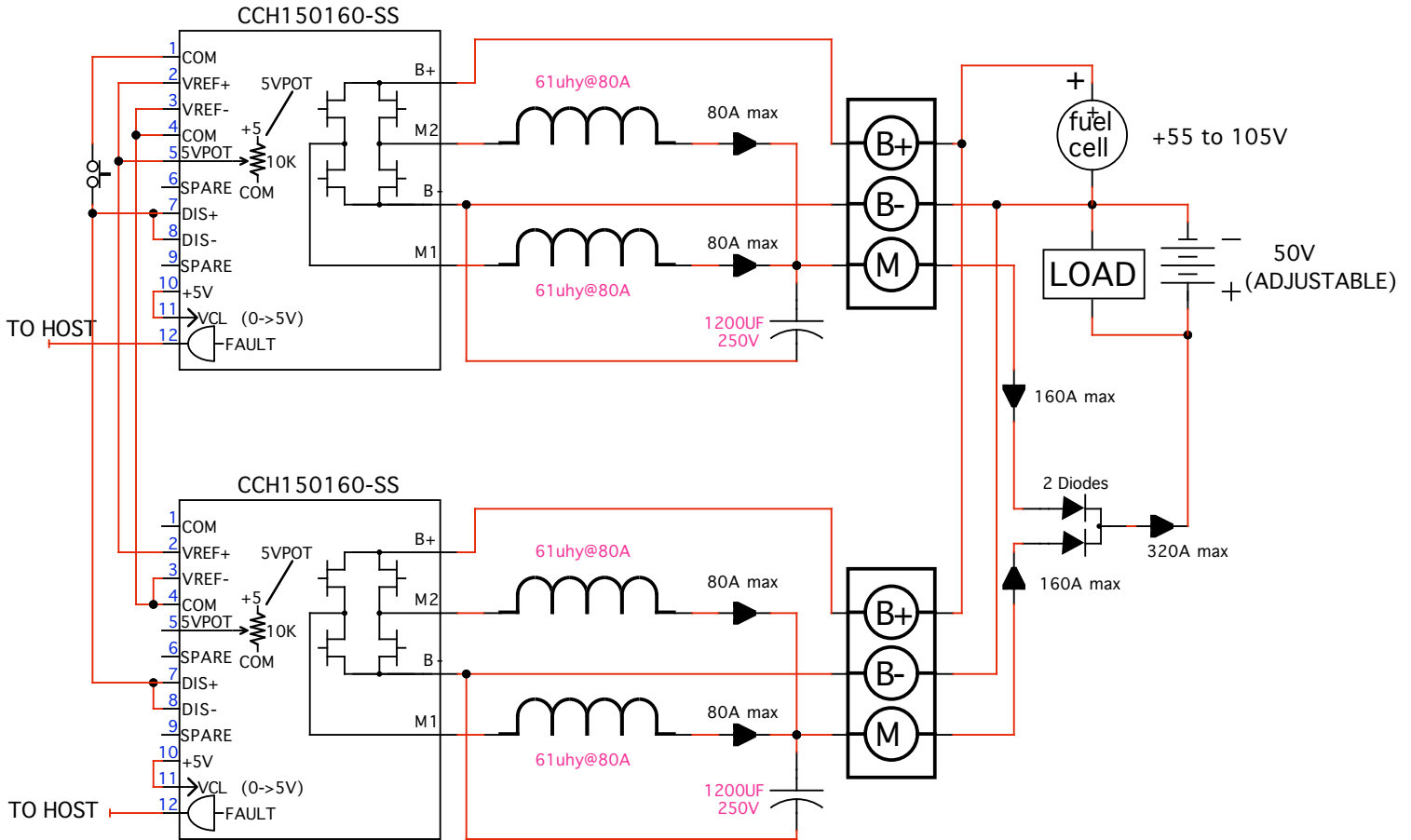
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INSTALLATION WIRING

Step Down Voltage Regulator.

2-DCDC72/50/8000

ini rel 2-25-08



NOTES:

- 1 "Whacking" unit means that the current offset goes to $\approx +31\text{ADC}$, and the fuel cell sees a large reverse current.
This offset goes to zero after a large positive current is realized.
- 2 Wire each unit with 4 wires. The common of each unit should have 2 wires in power block. The run from each unit to fuel cell should have 2 wires. The run from each unit to battery should have 2 wires.
- 3 TURN ON (no diodes at output. Risk of "Whacking" unit high)
DISABLE. ADJUST FUEL CELL VOLTAGE TO BATTERY VOLTAGE.
ADJUST "5VPOT" FOR .1V, OR MORE.
ENABLE. OUTPUT VOLTAGE SHOULD BE EQUAL TO BATTERY VOLTAGE.
CONNECT BATTERY. ADJUST "5VPOT" FOR DESIRED CURRENT.
- 4 TURN OFF:
DISABLE. DISCONNECT BATTERY. DISCONNECT FUEL CELL. Failure to do will "Whack" unit.
- 5 TURN ON (With diodes at output. Risk of "Whacking" unit is zero)
FUEL CELL AND BATTERY CAN BE CONNECTED IN ANY COMBINATION.
"5VPOT"=0. ENABLE. Adjust "5VPOT" for desired current.
TURN OFF. DISCONNECT FUEL CELL AND BATTERY IN ANY COMBINATION.
- 6 WIRE DISABLE INPUT, PIN 7, TO NC CONTACT.
- 7 SELECTING CERTAIN SWITCHES ON TOP BOARD OF CCH UNIT ALLOWS ANY OF 16 ANALOG SIGNALS AT PIN 6.

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