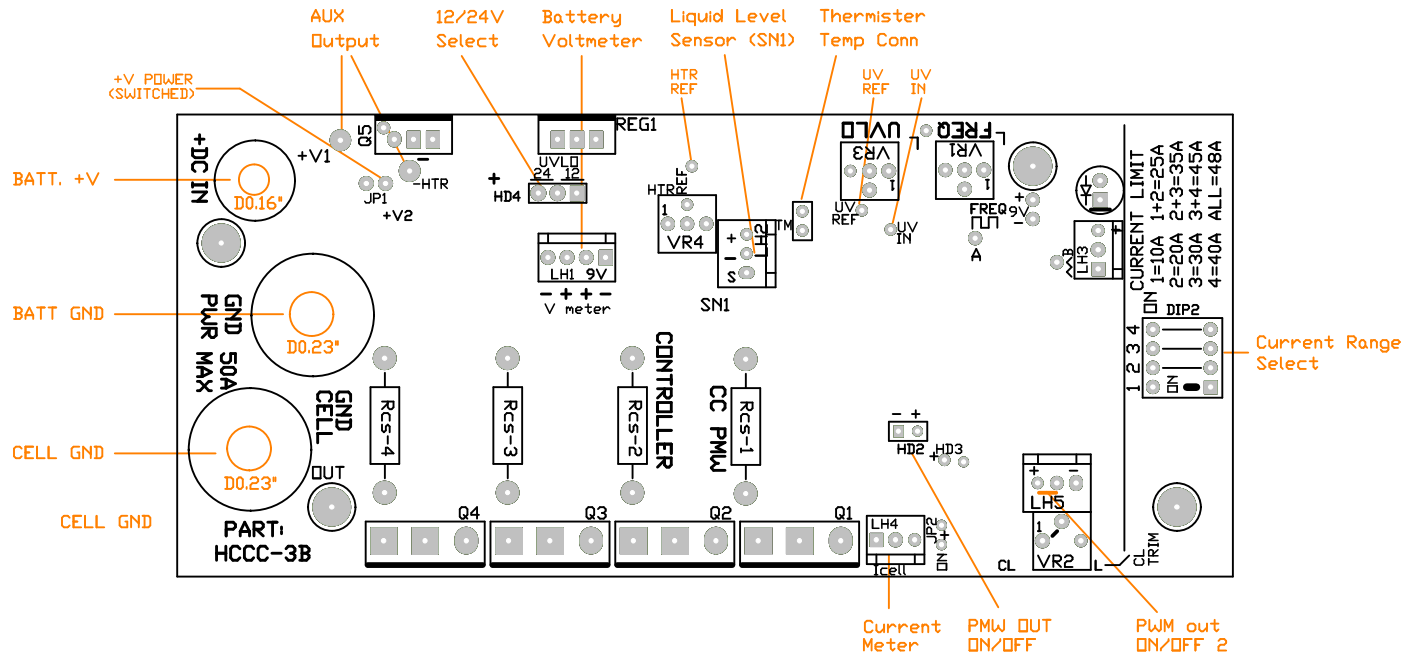


CCPWM Module Wiring



Adjustment Controls:

- VR1 FREQ: PMW frequency setting.
Measure operating frequency at test point A.
- VR2 CL: Current limit, constant current level
Adjust to trim reading and reference.
- VR3 UVLO: Under-voltage lock-out, auto ON/OFF.
Set Vin, measure V at UV IN, set VR2 for OFF
adjust for V at UVIN=UVREF=2.35-2.39V for ON
- HD4 UVLO: HEATER/UVLO, 12/24 Vin mode selection.
Header at 12V=10-15V DC input power.
Header at 24V=20-30V DC input power.
- VR4 HTR: Good battery power. Heater Auto ON/OFF.
Set input to Von, UVLO=OFF.
Disconnect thermister for ON.
adjust for V at UVIN=HTRREF=2.2-2.3V
N-CH MOSFET output switch (10A)
- ALL VOLTAGE SENSING THROUGH BATT. +V DC IN TERMINAL
- DIP2: CL CC adjustment. SLIDE TO DN.
ALL SWITCH=OFF=CL 0A, ALL ON=MAX CL.

Connectors:

- LH1 Vbatt: +V Battery voltage measurement
9-30V. +DC IN (+V1) terminal.
- LH2 SN1: Sensor input. Ground=PWM DN, delayed
Liquid level sensor. 9V power.
- LH3: Sensor light.
LED on=closed switched.
- LH4: Ammeter power (9V) and signal.
Connect to ammeter (50A).
- LH5 CL: External current control. 0-5V 1mA.
Sensor NC ON/OFF, safety switch
- HD2: PMW output ON/OFF.
Connect to switch
- TM: Thermister temperature sensor.

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