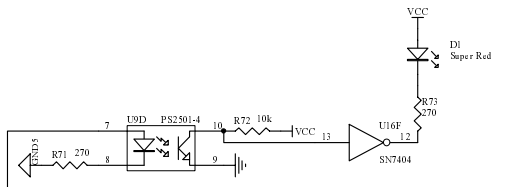
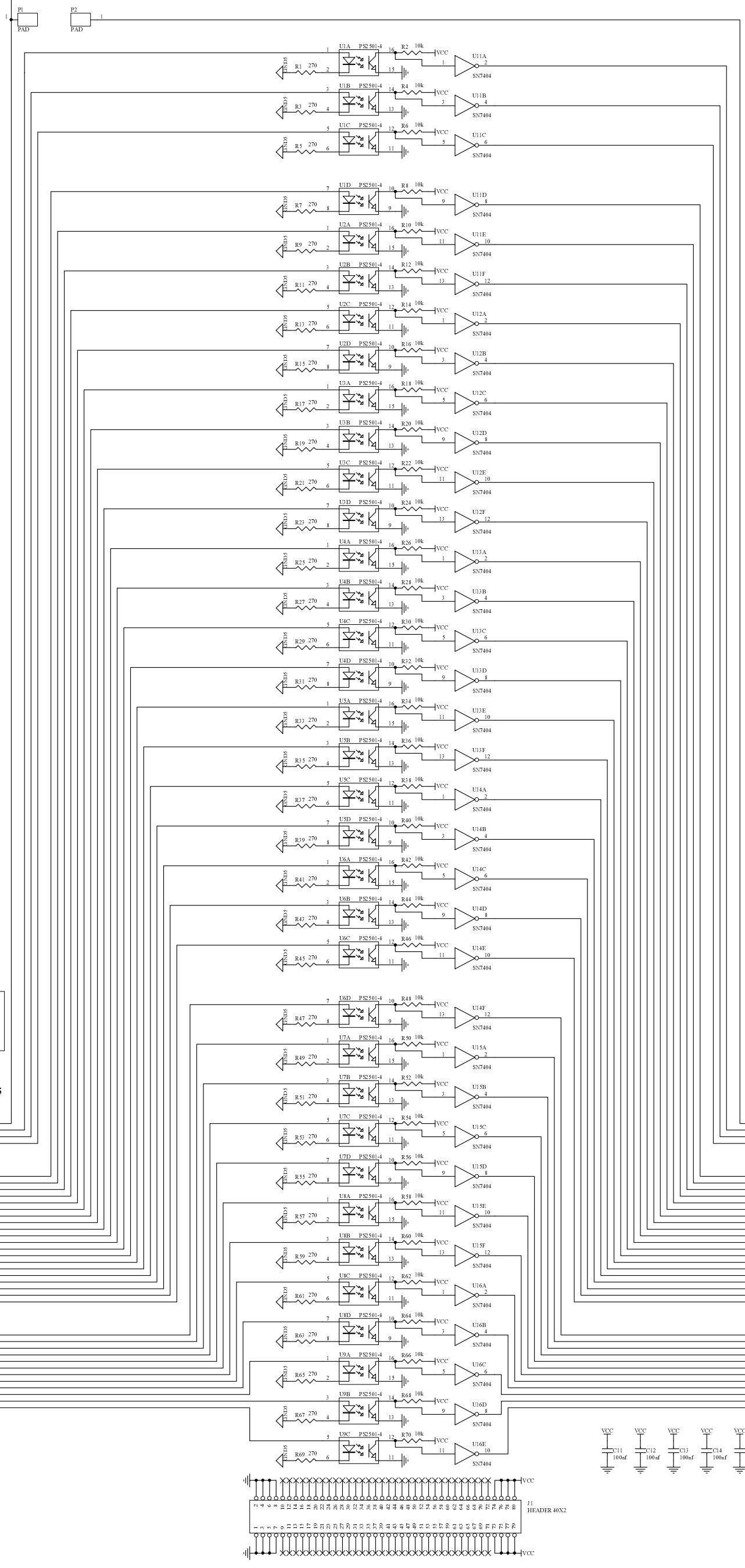
We have abandoned the idea to monitor power in Rack 5 from Rack 38 by building some kind of differential amplifier with gain 1 on this board. Instead, we will measure power in Rack 5 with a GMB.

Here we have two alternatives. The first one is to connect P1 and P2 to let VCC_RACK_5 go directly to the rest of the BATMAN system. This would be possible only if grounds in Rack 5 and Rack 38 are the same, which is very doubtful.

The second alternative is to monitor power presence (without a possibility to actually measure it) using an optic decoupler. Look at the red LED on this board.

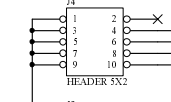
Absence of power in Rack 5

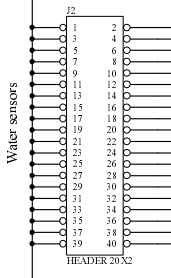




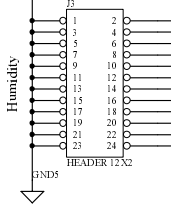
J4-2: not connected
J4-4: power in Rack 5
J4-6: broken cable input
J4-8, J4-10: ultrasonic water sensors

Input from Rack 5





Water sensors

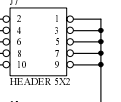


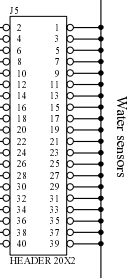
Humidity

Ground in Rack 5

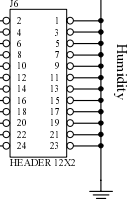
J7-2: not connected
J7-4: power in Rack 5
J7-6: broken cable input
J7-8, J7-10: ultrasonic water sensors

Optically decoupled output

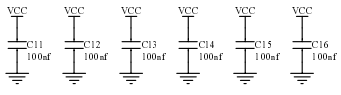




Water sensors



Humidity



Title: BATMAN-6: optical decouplers		
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