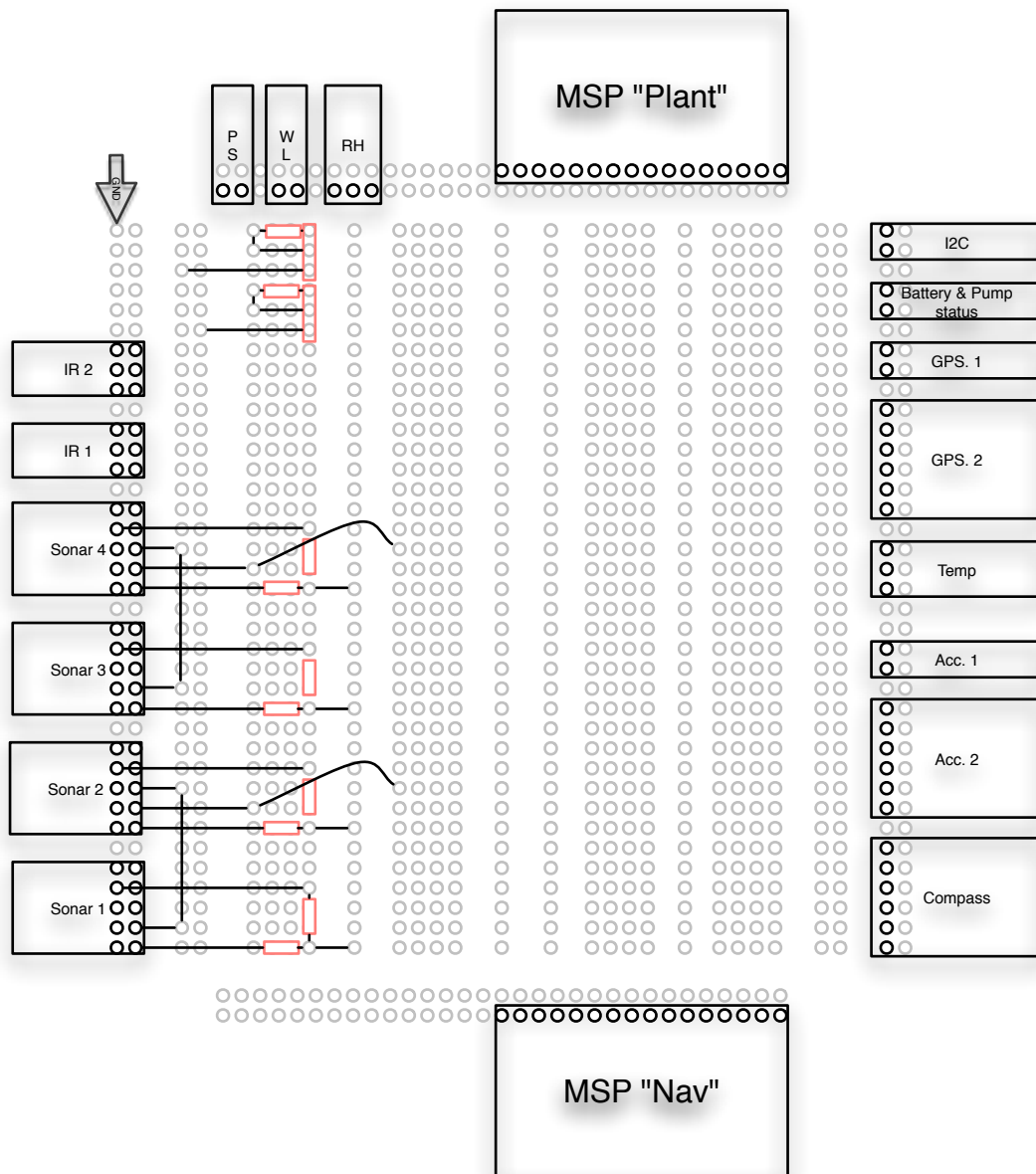


Manufacturing plans

All the sensors will be put on the same board and will be able to be plugged/unplugged using standard connectors (from Molex). Those connectors have been already tested on the board and on sensors. The two MSP430 will also be plugged using ribbon wires because their shape don't fit to the board. This way, the whole system will be more easy to modify/maintain. The following schematic shows the current plan for sensors/MSP organization:



A paper version of this schematic is more advanced

Basically, electrical schematics have to be adapted to the board, in order to fit on it. If some troubles to fit the whole system on one board appear, a second board will be used (one «Nav» board, and one «Plant» board). The final board will be protected using translucent PVC and MSPs will be fixed on the board using their useless side (no input or output used).

Electrical schematics:

