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| What  signal | What does it do/ when is it used | Analog/digital | Output/input on the uc |
| P01 | It measures the rotor speed of the generator  ***Used for the setpoint.*** | Analog | input |
| P02 | It measures the current generated by the generator.  ***Used for safety, visible on the tablet.*** | Analog | input |
| P03 | It determines if the transistor is on or off.  ***Used for turning on/off the generator controller pre-charge.*** | Digital | output |
| P04 | It measures the voltage on the supercaps multiplied by 1/10, so the maximum measured voltage is 4.8 volt.  ***Used for turning on/off the dumpload, if the voltage is higher then 4.5 volt, P10 will be turned on.*** | Analog | Input |
| P05 | It measures the signal for overvoltage. Is the voltage 0 volt then the signal for overvoltage is high.  ***Used for safety, If it is high (measuring 0 volt), P10 will be high.*** | Digital | Input |
| P06 | It measures the signal for overheating. Is the voltage 0 volt then the signal for overheating is high.  ***Used for safety, If it is high (measuring 0 volt), P10 will be high.*** | Digital | input |
| P07 | Determines the load, the signal strength is determined by the calculated setpoint.  ***Used by the setpoint*** | Analog | output |
| P08 | It determines that the load will be zero, so braking.  ***Used if braking is necessary.*** | Analog | output |
| P09 | [is not used] | - | - |
| P10 | Determines the use of the dumpload. If P10 is high the dumpload will be used.  ***Used if:***  ***P04 measures 4.5 volt.***  ***P05 measures 0 volt.***  ***P06 measures 0 volt.*** | Digital | output |
| P11 | It determines if the transistor is on or off.  ***Used for turning on/off the motor controller pre-charge.*** | Digital | Output |
| P12 | It measures the voltage on the supercaps multiplied by 1/3, so the maximum measured voltage is 4 volt.  ***Used for safety, If the signal is lower than 3.5 volt, than the uc gives a signal that the external battery is almost empty.*** | Analog | input |