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|---------------------------|--|
| — AC_load_01_out (GPIO21) | AC drive power output  |
| — AC_load_02_out (NC)     |  |
| — AC_load_03_out (GPIO05) |  |
| — Phase A                 | AC power input to feed AC loads.<br>It can be 127 or 220 V.                  |
| — Phase B 220 V or        |  |
| — Neutro 127 V            |  |
| — Pwr_in_1                | AC power input<br>or DC voltage on range $7\text{ V} < V_{in} < 30\text{ V}$ |
| — Pwr_in_2                |  |
| — 0 V (gnd)               | DC Voltage power input.<br>Must be +5 Vdc                                    |
| — +5 V                    |  |
| — i_in (return)           | Current power supply<br>controlled by a DAC and ADC.                         |
| — i_out                   |  |

## Devices pinhead onboard

- Dev\_1: JTAG connector;
- Dev\_2: ACS712 current sensor;
- Dev\_3: Pressure sensor 1;
- Dev\_4: Pressure sensor 2;
- Dev\_5: DS3231 RTC;
- Dev\_6: DS18B20, 1 wire temp. sensor;
- Dev\_7: BMP150, pressure sensor;
- Dev\_8: DHT11 humidity sensor.