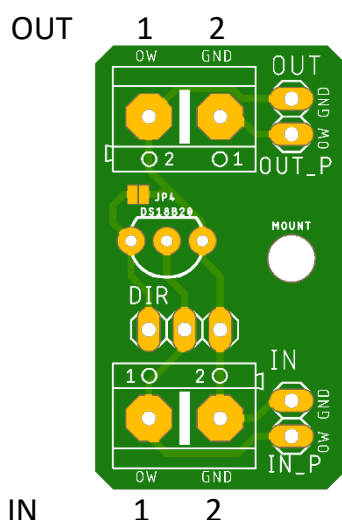


## Function description

PPSB-T sensorics board is designed for DS18B20 temperature sensor. DS18B20 communicates via OneWire bus. Thanks to that, PPSB-T boards can be daisy-chained providing capability to connect multiple sensors to PROTOPlant via only one GPIO. Number of connected sensors is currently limited to 40.

## Pinout



### Pins:

Pins nr. 1 – OneWire, data + power

Pins nr. 2 – GND

### Sides:

IN – connect to PROTOPlant, or another PPSB-T - OUT side.

OUT – connect to another PPSB-T – IN side

## Absolute maximum ratings (for DS18B20)

Any pin voltage rel. to GND....-0.5V – +6.0V

Operating temp. range.....-55°C – +125°C

## DS18B20 DC el. char.

Available from [DS18B20 datasheet](#).

## Board schematics and layout

Available from PROTOPlant-ELE-RLS repository at

[Github](#), or [CadLab.io](#).

