

## POWER board

for CAN LIN I/O board

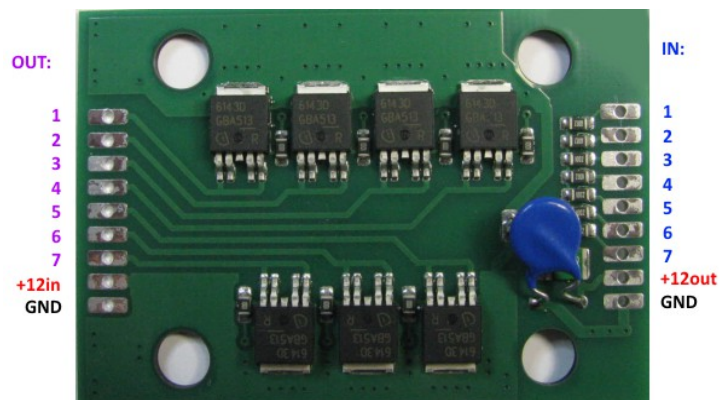
### POWER board features:

- 7 x digital inputs (active: low),
- 7 x power outputs (5A each, up to 20A total) driven by high side switches,
- additional surge, overvoltage and overcurrent protection for CAN LIN I/O board,
- INFINEON BTS6143D highside power switches used:
  - sufficient to drive trailer lights or any similar grounded loads,
  - can drive all types of resistive, inductive and capacitive loads,

### POWER board connections:

- LEFT side:
  - **+12in**: power input (battery plus), must use [external 20A fuse](#), common for both boards;
  - **GND**: power ground (battery minus);
  - **OUT 1...7**: power outputs for loads (+12v if ON);
- RIGHT side, for direct connection to CANLIN I/O board:
  - **+12out**: +12v power supply for CANLIN I/O board, fused (200mA),
  - **GND**: ground output;
  - **IN 1...7**: inputs, if INx is short to GND corresponding OUTx is activated.
- You may use standard 2.54 pin header to connect right sides of both boards together.

POWER board:



CAN LIN I/O board:

