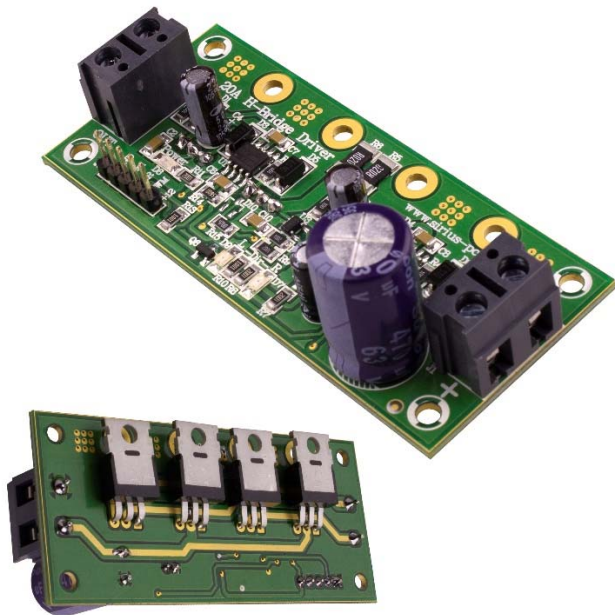


**20A H-Bridge Driver 50V**  
**№100849**



It finds its application in the sphere of robots and other applications who needs to control electric motors to the both directions.

**Specifications of 20A H-Bridge Driver**

- Maximum amperage 20A
- Maximum voltage 50V
- Port to PWM
- Port to direction
- Port to the instantaneous current 250mV/1A
- LED indication for direction of the electric motor
- LED indication for stock of 12V power supply voltage
- Power supply voltage for the DC motor: 12V÷50V DC max
- Power supply voltage for the device: 12V DC/0.5A
- Size: 80mm x 35mm

**Attention!!!**

In case of assembling additional radiator for the device it is necessary to use an insulating sleeve and an insulating pad for TO220 (installed to the back side of the plate)!!!

The device is constructed to control direct current (DC) electric motors.

**Description**

- driver for control of DC electric motors
- maximum power of the electric motor – 900W
- to terminal J1 – it is powered a power supply voltage to the DC motor 12V÷50V DC max
- to terminal J2 – it is powered on the DC motor
- header J3
- pin 1 (GND) – ground
- pin 2 (Isen) – electricity sensor with port of 250mV/1A
- pin 3 (DIR) – setting up of direction of spin
- pin 4 (PWM) – PWM for setting the speed of spin
- pin 5 (+12) – power on power supply voltage to the device 12V DC/0.5A

**Indication:**

- LED D8 (red) – powered on power voltage 12V
- LED D7 (red) – direction of spin L
- LED D9 (green) – direction of spin R

**Example Scheme of Device's Connection**

