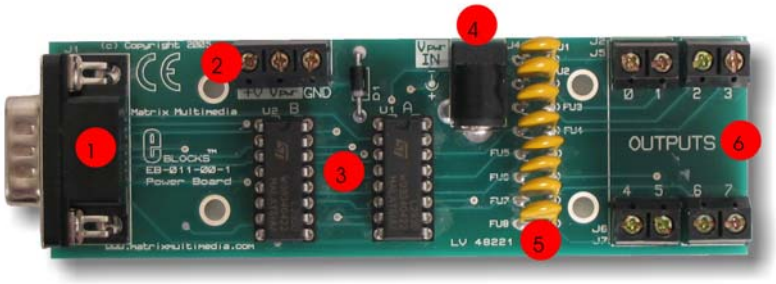
# E-blocks™ Power board

Provides higher power outputs for E-blocks systems

EB011 60




- E-blocks compatible
- 8 power outputs - push or pull
- Up to 600mA at 36V
- auto-resettable electronic fuses

1. 9-way downstream D-type connector
2. Power screw terminals
3. 2 x L293D power chips
4. External PSU socket
5. Re-settable protection fuses
6. Output screw terminals

The E-blocks power board contains two L293D four channel push pull channel driver chips which can be used for general purpose power outputs for driving lamps, relays or motors - including stepper motors. The boards interfaces to the E-blocks system using a single 9 way D-type connector which is compatible with standard TTL voltage levels.

The board supplies 8 power outputs which can be used to sink or source current. This allows the outputs to be used in H bridge configuration for driving motors forwards or backwards. Appropriate logic on the inputs will allow speed and direction control for DC motors.

The output driver voltage of both L293 driver chips is separate from the E-blocks system supply. The chips are rated at a maximum driver voltage of 36V, and a maximum output current of 600mA continuous or 1.2A peak. Continuous and peak power output is also dictated by the thermal, self resetting inline fuses which ensure that the L293D chips are protected against short circuits and over current supply. The fuses are rated at 0.5A.

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