

OC8

8 Open-Collector load driver

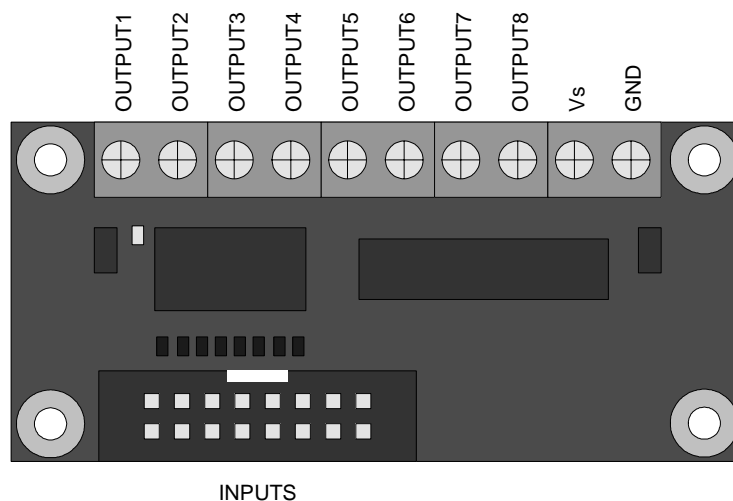


FEATURES

- 8 open-collector outputs
- up to 50VDC, load voltage
- sink current up to 500mA/channel
- free wheeling diodes
- active low logic, input signals
- invert input buffer, 74HC240
- 5V TTL logic, input signals

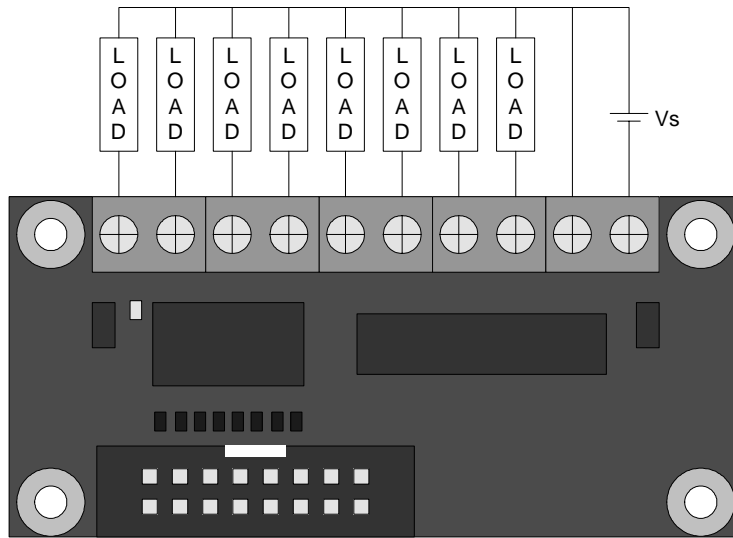
The OC8 is driver board. It can drive up to 8 loads. Board uses ULN2803 for drivers that has 8 open-collector transistors with free wheeling diodes for inductive load. The OC8 is activated by low logic of input signals so it can protect load are activated when controller is reset (mostly high logic on I/O port) . Also OC8 can use to drive 2 unipolar stepping motors.

BOARD CONNECTOR



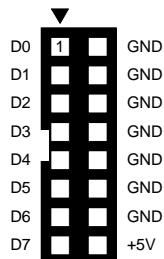
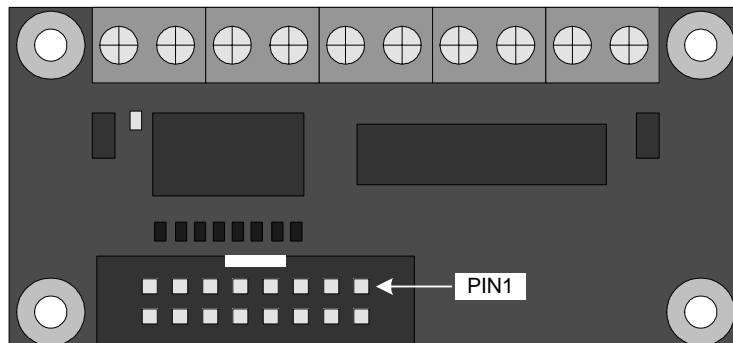
LOAD CONNECTION

From the board is open-collector driver thus load are connected to output connectors of board as the picture. The Vs connector (free wheeling diodes) need direct connect to load power supply when the load is inductor.



INPUT SIGNALS

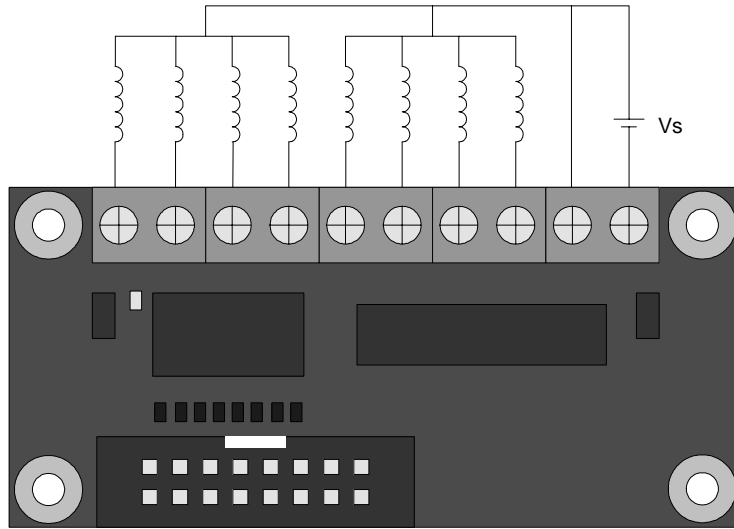
The input signal connector is compatible ERE controller board connector such as EMBMEGA32. So the OC8 can direct connect to ERE controller board. For more information about input signals, refer to schematic.



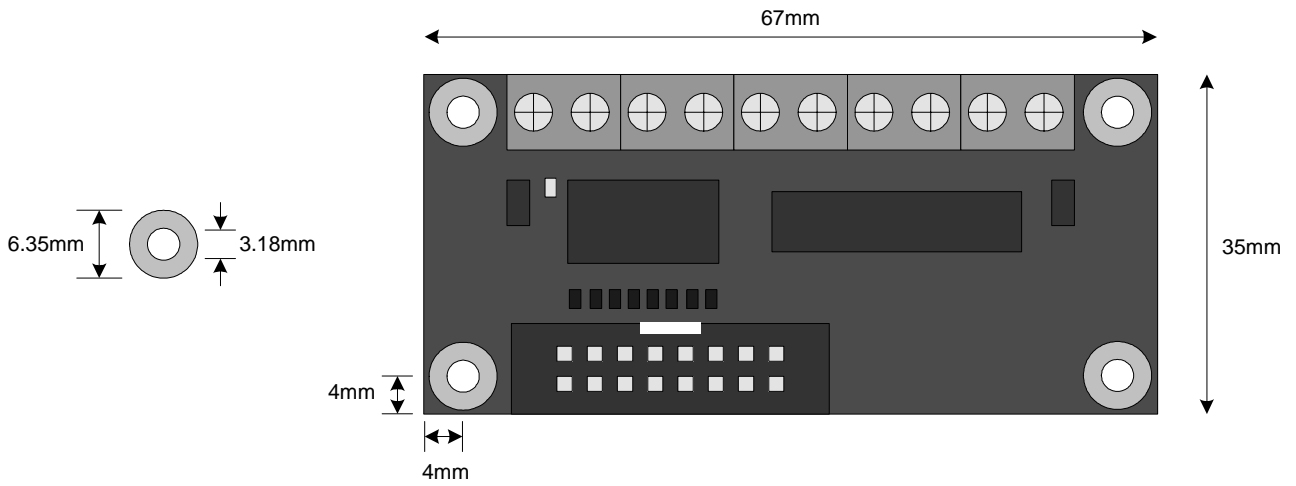
ERE050625

UNIPOLAR STEPPING MOTOR

The OC8 can drive 2 unipolar stepping motors by sink up to 500mA and 50VDC per phase.



BOARD DIMENSION



ERE050625