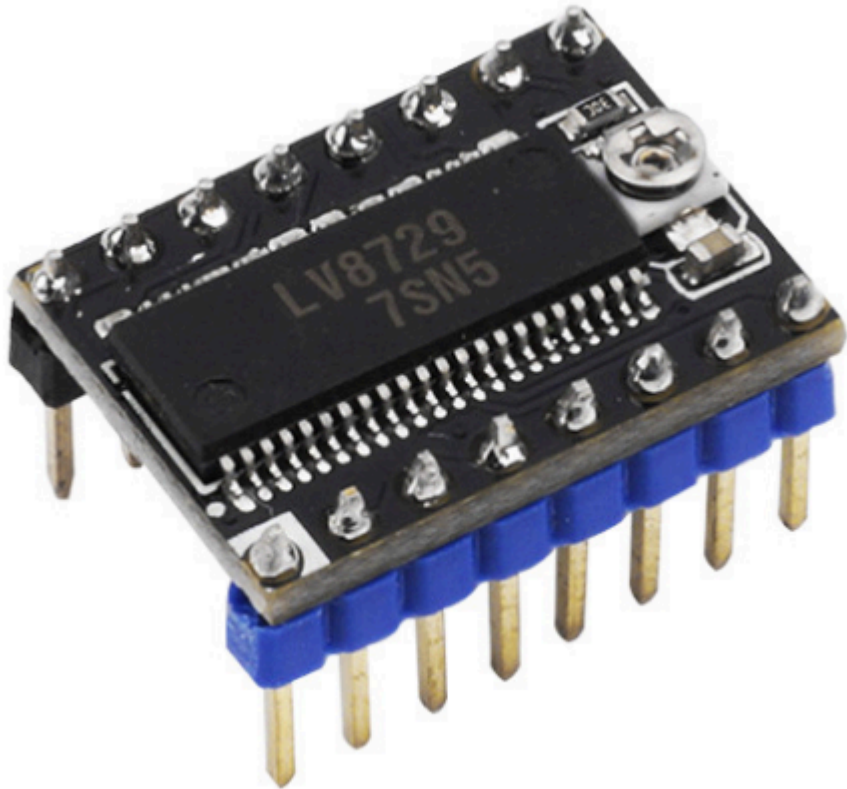


LV8729 V1.0

Product Introduction



LV8729 driver module with 128 subdivisions is a good choice for Nema stepper motor whose current is less than 1.5A, which makes motor steady, quiet and precise.

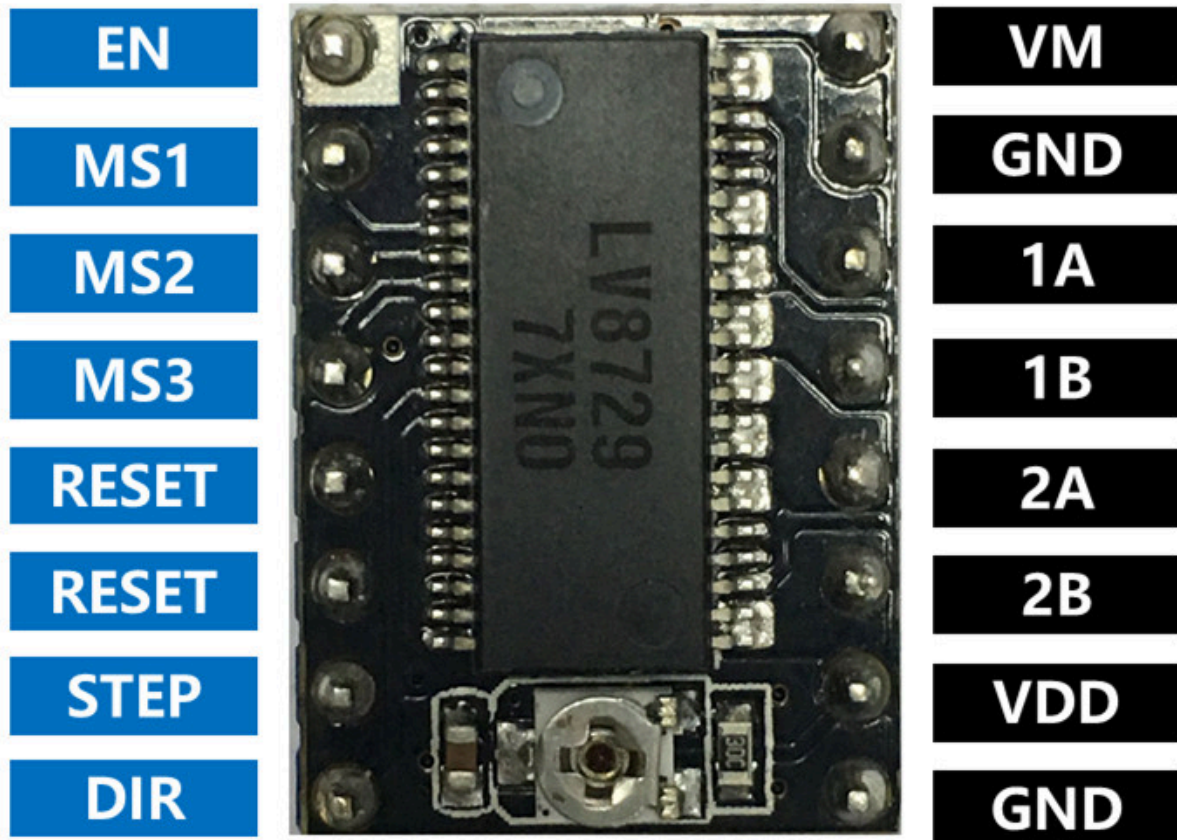
Features

Specifications

Model	LV8729
Dimensions	1.5mm * 2.0mm (Same with the A4988 and DRV8825)
Maximum Drive Current	1.5A (Default 0.8A)
Operating Voltage	6V-36V, the proposed voltage is 12V
Support Subdivisions	1, 1/2, 1/4, 1/8, 1/16, 1/32, 1/64, 1/128
Product Process	four layer PCB board

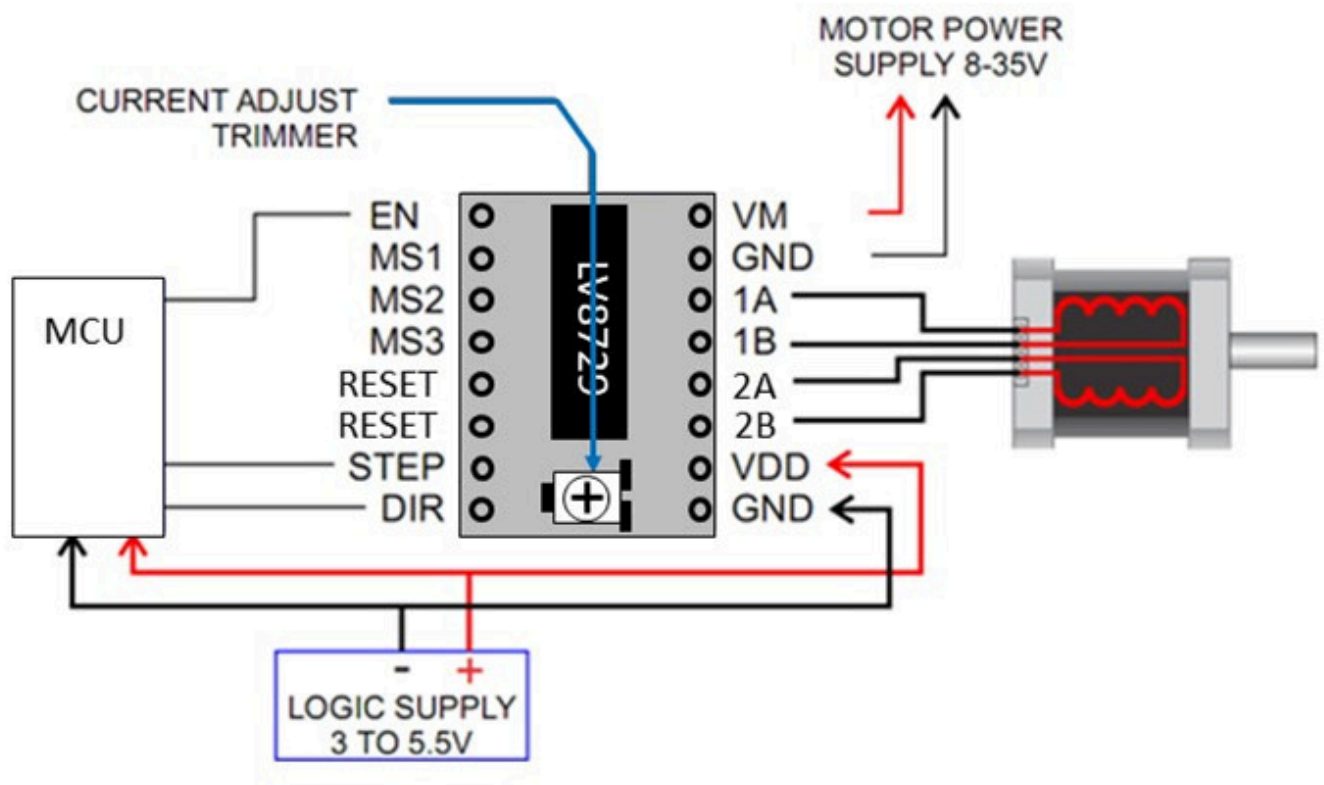
LV8729

Motor Drive Pins Descriptions

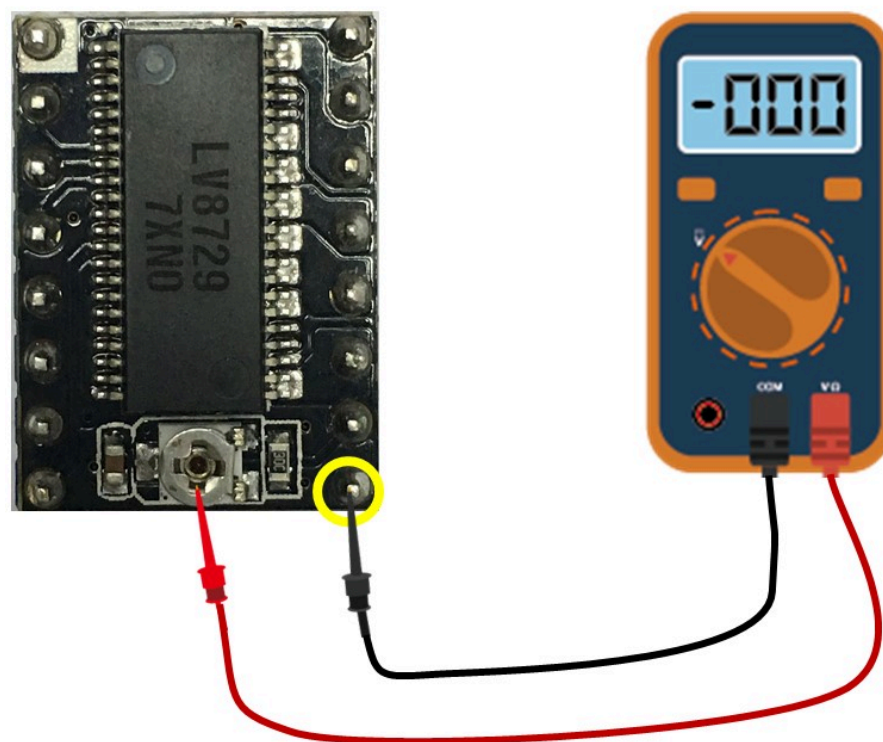


Interface Resources

Wiring Diagram



Motor Current Setting



Current limits can be adjusted by measuring the VREF and the adjustable resistance (pls check wiring diagram). Connect the voltmeter + to VREF, [-] to the GND and read the value. LV8729 uses 0.10ohm current sense resistor, so the current limits can be calculated as follows: $\text{Current Limit} = \text{VREF} \times 2$

Warning

Please do not exceed the current rating of the motor current, or motor and motor driver will be over-heated, or even damage.

Micro-stepping

Microstep	MS1	MS2	MS3
Full Step	Low	Low	Low
½ Step	High	Low	Low
¼ Step	Low	High	Low
⅛ Step	High	High	Low
1/16 Step	Low	Low	High
1/32 Step	High	Low	High
1/64 Step	Low	High	High
1/128 Step	High	High	High

Attention

Shop

Tech Support

Please submit any technical issue into our [forum](#)