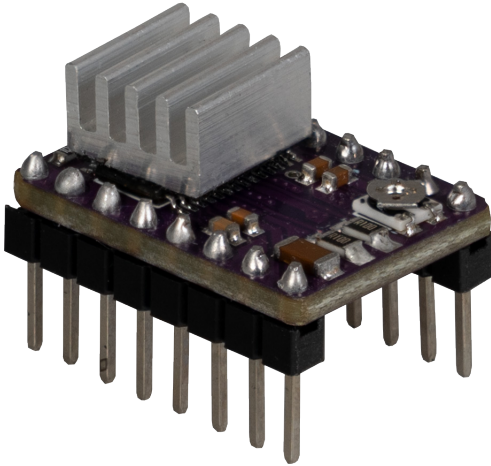


MOTOR DRIVER BOARD

DRV8825



The DRV8825 board is a powerful solution for the precise control of stepper motors in applications such as 3D printers and CNC machines. It can control motors with up to 2.5 A per phase and supports six step resolutions from full step to 1/32 steps.

With an operating voltage of 8.2 to 45 V, the board offers flexible application possibilities and at the same time protects the hardware with its undervoltage and overcurrent protection functions. In addition, integrated heat sinks and thermal overload protection ensure permanently safe and efficient performance. Compatible with popular microcontrollers such as the Arduino, the DRV8825 board is ideal for developers looking for a reliable and easy-to-implement motor controller.

MAIN FEATURES

Controller IC	DRV8825
Operating Voltage	8.2 - 45 V
Maximum current per phase	1.5 A (Without a heat sink) 2.5 A (With sufficient additional cooling)

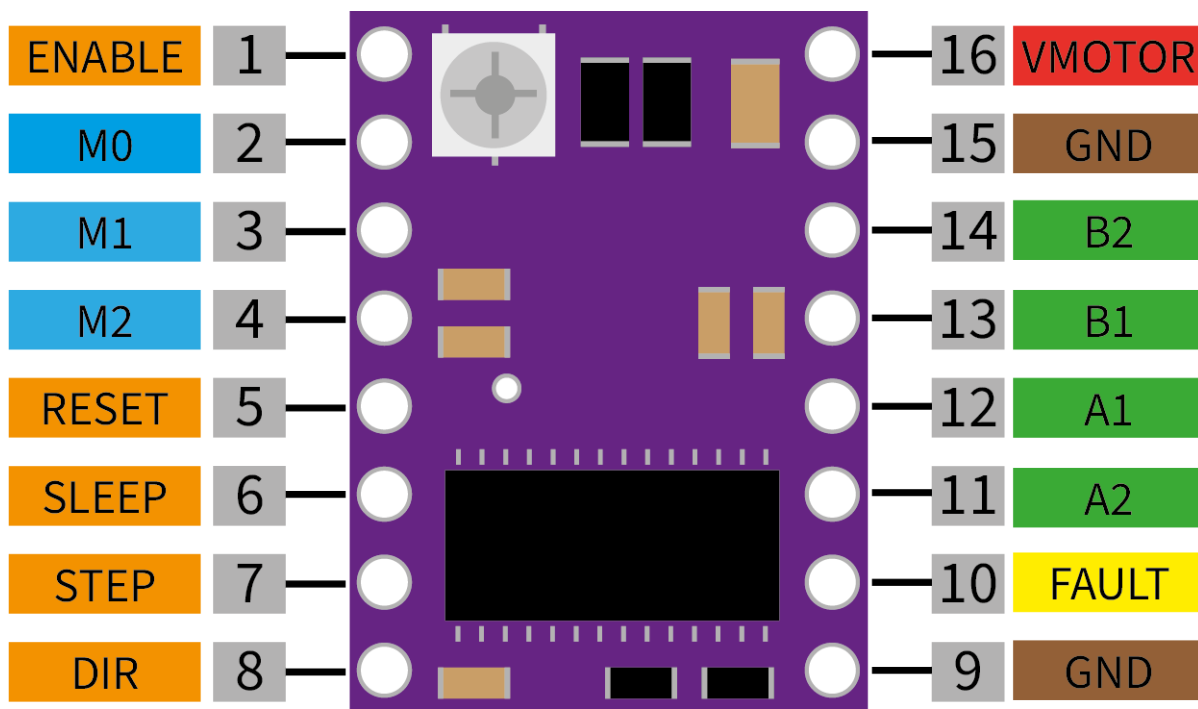
FURTHER SPECIFICATIONS

Logic level	2.5 - 5.25 V
Microstep resolution	1, 1/2, 1/4, 1/8, 1/16, 1/32
Protection features	Overcurrent Protection (OCP), Thermal Shutdown (TSD), Undervoltage Lock-out (UVLO), Fault Condition Indication Pin (nFAULT)
Compatible with	ARD-CNC-Kit1 ARD-CNC-Kit2 ARD-RAMPS-Kit1 ARD-RAMPS-Kit1.6

FURTHER DETAILS

Dimensions	15 x 20 x 16 mm
Weight	4 g
Scope of delivery	Motor driver board, heatsink
Article No.	SBC-MD-DRV8825
EAN	4250236828336
Customs tariff No.	84733020

PINOUT



CONTROL
MODE

POWER
GND

MOTOR
FAULT