

OKY3900

Product Name: GY-4988 A4988 3D Printer Stepper Motor Driver Module

Product Module: OKY3900

Product Description:

A4988 is a complete micro-stepping motor driver with built-in translator for easy operation. The product is available in full- half- 1/4- 1/8 and 1/16 step mode to operate bipolar stepper motors of an output drive capability of up to 35 V and ± 2 A. A4988 includes a fixed off-time current regulator- the regulator can operate in slow or mixed decay modes. Converter is easy to implement key A4988. Just enter a pulse in the step input drives the motor to produce micro-step. Without the need for phase sequence tables- high frequency control lines- or complex interfaces to program. A4988 is ideal for complex microprocessor is unavailable or overloaded applications.

In the micro-step operation- the chopper control A4988 automatically selects within the current decay mode (slow or mixed). In mixed decay mode- the device is initially set to a fixed part of the rapid decay in downtime and slow decay for the remainder of downtime. Mixed decay current control scheme results in reduced audible motor noise- increased step accuracy- and reduced power consumption. Internal synchronous rectification control circuitry provides to improve the pulse-width modulation (PWM) operation power consumption. Internal circuit protection includes: thermal shutdown with hysteresis- under-voltage lockout (UVLO) and crossover current protection. Special power sequencing.

Product Features:

- Quantity: 1Pc
- Model: A4988
- Module power supply range is 3.3V ~ 5V
- PCB size: 20 x 15mm
- Low RDS (ON) outputs
- Automatic current decay mode detection / selection
- Mixed with slow current decay mode
- Synchronous rectification for low power dissipation
- Internal UVLO
- Crossover current protection
- 3.3V and 5 V compatible logic supply
- Thermal shutdown circuit
- Ground short circuit pro

Package Included:

1 PCS GY-4988 A4988 3D Printer Stepper Motor Driver Module

