



Product Overview

STK672-540: Motor Driver, 2-Phase, Full and Half Stepping, Unipolar

For complete documentation, see the data sheet

Product Description

The STK672-540 is a unipolar fixed-current chopper type 2-phase stepping motor driver hybrid IC. It features power MOSFETs in the output stage and a build-in phase signal distribution IC. The incorporation of a phase distribution IC allows the STK672-540 to control the speed of the motor based on the frequency of an external input clock signal. It supports two types of excitation for motor control: 2-phase excitation and 1-2 phase excitation. It also provides a function for switching the motor direction.

Features

- The motor speed can be controlled by the frequency of an external clock signal
- The excitation type is switched according to the state of the MODE pin
- A motor direction switching pin is provided.
- Current detection resistor is built in.
- Hollow packages

Benefits

- Easy to motor speed control
- Easy to switch excitation type
- Easy to switch a motor direction
- Reduce the mounting area on PCB
- Unlikely to release smoke or cause fires

Applications

- Computing & Peripherals
- Industrial
- Medical

End Products

- Multi-Function Printer
- Document Scanner
- Auto Trading Machine
- Blood Analyzer
- Vending Machine

Part Electrical Specifications

Product	Compliance	Status	Type	V _M Min (V)	V _M Max (V)	V _{CC} Min (V)	V _{CC} Max (V)	I _O Max (A)	I _O Peak Max (A)	Step Resolution	Control Type	Feedback Method	Current Sense	Regulator Output	Fault Detection	Flyback Protection	R _{DS(on)} Typ (Ω)	Package Type
STK672-540	Pb-free	Active	Stepper	10	42	4.75	5.25	4	10	1/2	Clock	None	Fully Integrated	No				SIP-10

For more information please contact your local sales support at www.onsemi.com

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