

ON Semiconductor®



Part Number: LV8549MCGEVB

Description: 2-Channel Full Bridge Driver IC Evaluation Board

The LV8549M is a 2-channel low saturation voltage forward/reverse motor driver IC. It is optimal for Full step motor drive in 12V system products.



Features and Applications

- Single-channel PWM current control stepping motor driver (selectable with DC motor driver channel 2) incorporated
- BiCDMOS process IC
- Micro step mode can be set to full-step, half-step (full torque), half-step, and quarter-step mode
- Excitation step proceeds only by step signal input
- Motor holding current selectable in four steps
- I/O max = 1.5A
- Output-stage push-pull structure enabling high-speed operation
- Output short-circuit protection circuit (selectable from latch-type or auto reset-type) incorporated
- Thermal shutdown circuit and power supply monitor circuit incorporated
- Supports control power supply VCC = 3.3V