

## Product Overview

### LV8121V: Three-Phase Brushless Motor Driver

For complete documentation, see the data sheet.

The LV8121V is a three-phase brushless motor driver that uses a PWM drive technique. The motor speed is controlled by changing the PWM duty that based on an analog voltage input. This motor driver includes an automatic return constraint protection circuit and is optimal for driving fan motors.

### Features

- PWM control based on an analog voltage input (the CTL voltage), synchronous rectification
- One Hall-effect sensor FG output
- Automatic return constraint protection circuit (ON/OFF=1/15)
- Start/Stop switching circuit, Forward/Reverse switching circuit
- Current limiter circuit, Low-voltage shutdown protection circuit, Thermal shutdown protection circuit

### Applications

- Fan for Consumer electronics
- Fan for White goods
- Pump
- Office equipment

### End Products

- Air Purifier
- Printer
- Hot water heaters
- Cash machine

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Phase	V <sub>VI</sub> Min (V)	V <sub>VI</sub> Max (V)	V <sub>CC</sub> Min (V)	V <sub>CC</sub> Max (V)	I <sub>O</sub> Max (A)	I <sub>O</sub> Peak Max (A)	Control Type	Package Type
LV8121V-TLM-H	3.1559	Pb-free Halide free non AEC-Q and PPAP	Active	3	8	35	8	35		3.5	DC	SSOP-44K EP

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