

## Product Overview

### LB11961: Single-Phase Full-Wave Fan Motor Driver

For complete documentation, see the data sheet.

The LB11961 is a single-phase bipolar drive motor driver that easily implements direct PWM motor drive systems with excellent efficiency. The LB11961 is optimal for fan motor drive in personal computer power supply systems and CPU cooling fan systems.

### Features

- Single-phase full-wave drive (16V, 1.0A transistors are built in)
- Built-in variable speed function controlled by a thermistor input
- Built-in regenerative diode (Di); only requires a minimal number of external components.
- Built-in HB
- Minimum speed setting pin (allows full-speed mode operation at startup)
- Operates in full-speed mode when the thermistor is removed.
- Built-in lock protection and automatic recovery circuits
- FG (speed detection) and RD (lock detection) outputs
- Built-in thermal shutdown circuit

### Applications

- Personal computer power supply systems
- CPU cooling fan systems

### End Products

- PC

### Part Electrical Specifications

Product	Compliance	Status	Phase	V <sub>M</sub> Min (V)	V <sub>M</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
LB11961-TLM-E	Pb-free	Active	1	4.5	16	4.5		16	1	DC	HSSOP-14
LB11961-TLM-H	Pb-free Halide free	Active	1	4.5	16	4.5		16	1	DC	HSSOP-14
LB11961-W-AH	Pb-free Halide free	Active	1	4.5	16	4.5		16	1	DC	HSSOP-14

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