



## LV8731VGEVB: 2-Channel H-Bridge Driver IC Evaluation Board

The LV8731V is a 2-channel H-bridge driver IC that can switch a stepping motor driver, which is capable of micro-step drive and supports 1/16-step resolution, and two channels of a brushed motor driver, which supports forward, reverse, brake, and standby of a motor.



### Features and Applications

#### Features

- 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, Quarter-step, or 1/16-step
- Excitation step proceeds only by step signal input
- Motor current selectable in four steps
- Output short-circuit protection circuit (selectable from latch-type or auto-reset-type) incorporated
- Unusual condition warning output pins
- Built-in thermal shutdown circuit
- No control power supply required
- Pin compatibility series

### Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
LV8731VGEVB	Active	Pb-free	2-Channel H-Bridge Driver IC Evaluation Board	LV8731V-TLM-H	<a href="#">» Contact Local Sales Office</a> <a href="#">» Inventory</a>

### Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	LV8731VGEVB Bill of Materials ROHS Compliant	LV8731VGEVB_BOM_ROHS.PDF - 65 KB	0
Eval Board: Gerber	LV8731VGEVB Gerber Layout Files (Zip Format)	LV8731VGEVB_GERBER.ZIP - 934.0 KB	0
Eval Board: Schematic	LV8731VGEVB Schematic	LV8731VGEVB_SCHEMATIC.PDF - 135 KB	0
Eval Board: Test Procedure	LV8731VGEVB Test Procedure	LV8731VGEVB_TEST_PROCEDURE.PDF - 200 KB	1

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