



## 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><br><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   |

### Previously Viewed Products

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### Design Support

- Technical Documentation
- Design Resources & Documents
- Technical Support
- Sales Support

