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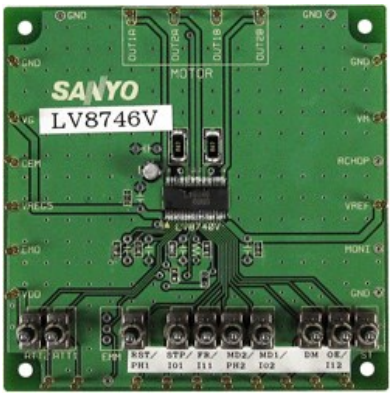
LV8746VGEVB: 2-Channel H-Bridge Driver IC Evaluation Board

LV8746V is 2-channel H-bridge driver IC that can switch a stepping motor driver, which is capable of micro-step drive and supports Full-step, Half-step (full torque), Half-step, and Quarter-step resolution, which can select the CLK-IN input and the parallel input.

This is best suited for driving of the stepping motor for OA and amusement.



Features and Applications

Features

- PWM current control stepping motor driver
- BiCDMOS process IC
- Micro step mode can be set to full-step, half-step(full torque), half-step, and quarter-step mode
- CLK-IN input and parallel input selectable
- Motor current selectable in four steps
- Output short-circuit protection circuit incorporated (selectable from latch-type)
- Unusual condition warning output pins
- Built-in thermal shutdown circuit
- No control power supply required

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
LV8746VGEVB	Active	Pb-free	2-Channel H-Bridge Driver IC Evaluation Board	LV8746V-TLM-E	Contact Local Sales Office Inventory

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	LV8746VGEVB Bill of Materials ROHS Compliant	LV8746VGEVB_BOM_ROHS.PDF - 81 KB	0
Eval Board: Gerber	LV8746VGEVB Gerber Layout Files (Zip Format)	LV8746VGEVB_GERBER.ZIP - 934.0 KB	0
Eval Board: Schematic	LV8746VGEVB Schematic	LV8746VGEVB_SCHEMATIC.PDF - 141 KB	0
Eval Board: Test Procedure	LV8746VGEVB Test Procedure	LV8746VGEVB_TEST_PROCEDURE.PDF - 131 KB	1

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