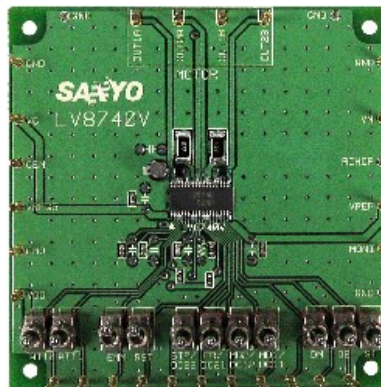




LV8740VGEVB: 2-Channel H-Bridge Driver IC Evaluation Board

The LV8740V is a 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, 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 (full torque), Half-step, or Quarter-step mode
- 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

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
LV8740VGEVB	Active	Pb-free	2-Channel H-Bridge Driver IC Evaluation Board	LV8740V-TLM-E	» Contact Local Sales Office » Inventory

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	LV8740VGEVB Bill of Materials ROHS Compliant	LV8740VGEVB_BOM_ROHS.PDF - 68 KB	0
Eval Board: Gerber	LV8740VGEVB Gerber Layout Files (Zip Format)	LV8740VGEVB_GERBER.ZIP - 934.0 KB	0
Eval Board: Schematic	LV8740VGEVB Schematic	LV8740VGEVB_SCHEMATIC.PDF - 143 KB	0
Eval Board: Test Procedure	LV8740VGEVB Test Procedure	LV8740VGEVB_TEST_PROCEDURE.PDF - 180 KB	1

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