



LV8136VGEVB: PWM System Predriver IC Evaluation Board

The LV8136V is a PWM system predriver IC designed for three-phase brushless motors. This IC reduces motor driving noise by using a high-efficiency, quiet PWM drive (150-degree drive system).

It incorporates a full complement of protection circuits and, by combining it with a hybrid IC in the STK611 or STK5C4 series, the number of components used can be reduced and a high level of reliability can be achieved. Furthermore, its power-saving mode enables the power consumption in the standby mode to be reduced to zero. This IC is optimally suited for driving various large-size motors such as those used in air conditioners and hot-water heaters.



Features and Applications

Features

- Three-phase bipolar drive
- Quiet PWM drive
- Supports bootstrap (maximum duty limit)
- Automatic recovery type constraint protection circuit
- Current limiter circuit, low-voltage protection circuit, and thermal shutdown protection circuit
- FG1 and FG3 output (360-degree electrical angle/1 pulse and 3 pulses)

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
LV8136VGEVB	Active		PWM System Predriver IC Evaluation Board	LV8136V-TLM-H	» Contact Local Sales Office » Inventory

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	LV8136VGEVB Bill of Materials ROHS Compliant	LV8136VGEVB_BOM_ROHS.PDF - 113 KB	0
Eval Board: Gerber	LV8136VGEVB Gerber Layout Files (Zip Format)	LV8136VGEVB_GERBER.ZIP - 120.0 KB	0
Eval Board: Schematic	LV8136VGEVB Schematic	LV8136VGEVB_SCHEMATIC.PDF - 68 KB	0
Eval Board: Test Procedure	LV8136VGEVB Test Procedure	LV8136VGEVB_TEST_PROCEDURE.PDF - 248 KB	2

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