

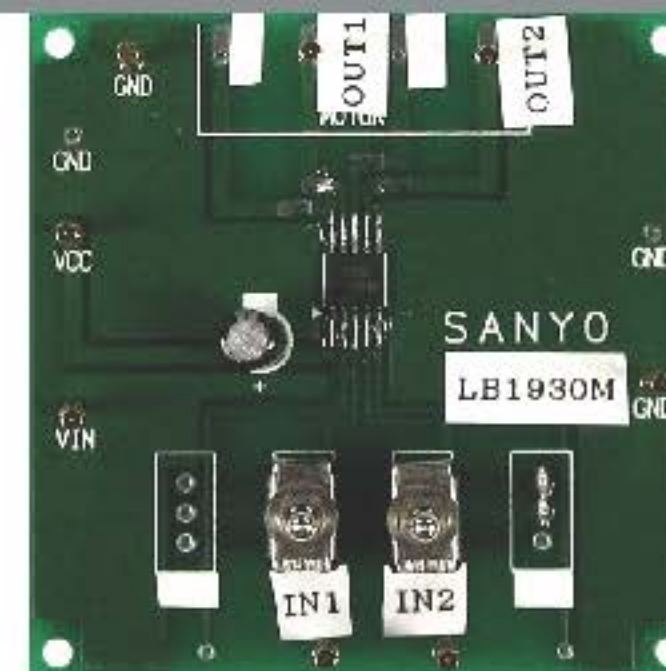


LB1930MGEVB:EVABOARD FOR LB1930M

Evaluation Board Description

The LB1930M is a low saturation voltage single-channel H-bridge bidirectional motor driver that supports low-voltage drive. Application include:

- CD, MD, and cassette player loading motors.
- Camera lens/shutter/lens barrier control
- Battery powered toys and games
- Robotic actuators and pumps
- Portable printers/scanners



Features and Applications

Features

- The LB1930M features the wide operating voltage range of 2.2 to 10.8V and the low standby current drain of 0.1μA, and therefore can easily be used in battery operated systems.
- To minimize through currents, the LB1930M internal logic passes through an internal standby state when switched by the input signals between forward/reverse and brake, or between forward and reverse.
- There are no constraints on the relationship between the input voltage and the supply voltage. For example, the LB1930M can be used with VCC = 3V, and VIN = 5V.
- If the IC chip exceeds 180°C due to an output short causing a large current flow, the built-in thermal protection circuit suppresses the drive current to prevent fires or destruction of the IC.
- MFP-10S miniature package. Also, the LB1930M features the high allowable power dissipation of Pd = 800mW.

Evaluation Board Information

Evaluation Board	Status	Pb-free	Short Description	Parts Used	Action
LB1930MGEVB	Active		EVABOARD FOR LB1930M	LB1930M-TLM-H	Buy Now Contact Local Sales Office Inventory

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	LB1930MGEVB Bill of Materials ROHS Compliant	LB1930MGEVB_BOM_ROHS.PDF - 14.0 KB	0
Eval Board: Gerber	LB1930MGEVB Gerber Layout Files (Zip Format)	LB1930MGEVB_GERBER.ZIP - 32.0 KB	0
Eval Board: Schematic	LB1930MGEVB Schematic	LB1930MGEVB_SCHEMATIC.PDF - 92.0 KB	0
Eval Board: Test Procedure	LB1930MGEVB Test Procedure	LB1930MGEVB_TEST_PROCEDURE.PDF - 124.0 KB	0

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