

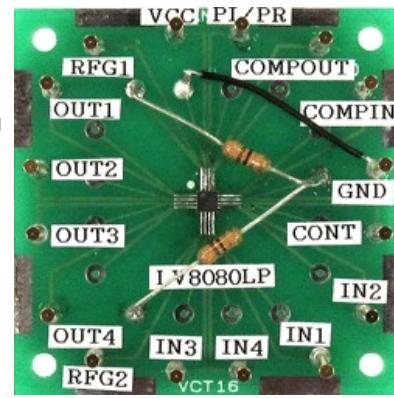


## LV8080LPGEVB: 2-Channel Constant Current Driver Evaluation Board

The LV8080LP is a two-channel constant-current driver that supports low-voltage operation. It is optimal for constant-current drive of stepping motors (AF and zoom) in portable equipment such as camera cell phones and security camera.

The LV8080LP can directly control a motor from signals from a microcontroller. It is ideal for the stepping motor, two phase excitation, and 1-2 phase excitation drive.

Another point is that the LV8080 includes built-in thermal shutdown circuit so that IC scorching or burning is prevented in advance even if the IC outputs are shorted. Additionally, the VCT16 miniature package used supports reduced-space mounting.



### Features and Applications

#### Features

- Two channels constant-current H-bridge driver
- Built-in power supply switch and position detection comparator for use with a photoreflector
- Supports both 2-phase drive and 1-2 phase drive
- Implemented in a low-power MOS IC process
- Ultraminiature easy-to-solder VCT16 package (2.6 x 2.6mm)
- Built-in thermal protection and low-voltage sensing circuits

### Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
LV8080LPGEVB	Active	Pb-free	2-Channel Constant Current Driver Evaluation Board	LV8080LP-TE-L-E	<a href="#">Contact Local Sales Office</a> <a href="#">Inventory</a>

### Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	LV8080LPGEVB Bill of Materials ROHS Compliant	LV8080LPGEVB_BOM_ROHS.PDF - 59 KB	0
Eval Board: Gerber	LV8080LPGEVB Gerber Layout Files (Zip Format)	LV8080LPGEVB_GERBER.PDF - 20.0 KB	0
Eval Board: Schematic	LV8080LPGEVB Schematic	LV8080LPGEVB_SCHEMATIC.PDF - 151 KB	0
Eval Board: Test Procedure	LV8080LPGEVB Test Procedure	LV8080LPGEVB_TEST_PROCEDURE.PDF - 341 KB	1

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