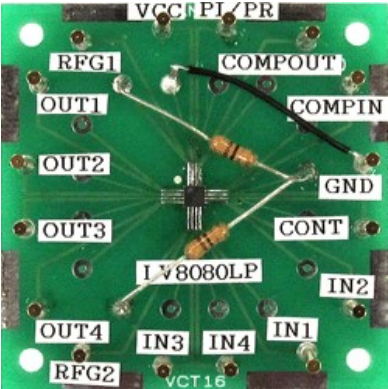


LV8080LPGEVB: 2-Channel Constant Current Driver Evaluation Board

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</a><br><a href="#">Local Sales Office</a><br><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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