

Product Overview

LV8044LP: 6-Channel Motor Driver for Digital Still Camera

For complete documentation, see the data sheet

The LV8044LP is a 6-channel motor driver IC for digital still camera.

Features

- 64step Micro-step Drive
- Built-in Photo Sensor Drive Transistor
- Stand-by Current: 0µA
- Built-in TSD circuit
- Low Output ON- Resistance : 1.4ohm($I_o=0.4A$)
- Two microstep drive H-bridge driver channels.
- Two microstep drive/PWM saturated drive switchable H-bridge driver channels.
- Two constant-current drive H-bridge driver channels.
- Drive mode switchable between 2-phase, 1-2 phase full torque, 1-2 phase, and 4W1-2 phase (channels 1, 2, 3, and 4).
- Microstep drive step advance controlled by a single step signal input (channels 1, 2, 3, and 4).

For more features, see the data sheet

Benefits

- Reduction of motor noise/vibration
- Less External Component
- Low consumption
- Thermal protection
- High efficiency

Applications

- Industrial
- Power Supply
- Portable & Wireless
- Portable & Wireless

End Products

- Digital still camera
- Li-Ion Battery Charger
- Digital Still Camera
- PoE Security Camera
- Network Camera

Part Electrical Specifications

Product	Compliance	Status	V _M Min (V)	V _M Max (V)	V _{CC} Min (V)	V _{CC} Max (V)	I _O Max (A)	I _O Peak Max (A)	Step Resolution	Control Type	Feedback Method	Current Sense	Regulator Output	Fault Detection	Flyback Protection	R _{DS(on)} Typ (°C)	Package Type
LV8044LP-TLM-E	Pb-free	Active	2.7	5.5	2.7	5.5	0.4	0.6	1	Serial		External Resistor		Thermal		1.2	VQLP-40

For more information please contact your local sales support at www.onsemi.com

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