

Product Overview

LV8414CS: Quad H-Bridge Micro Step Motor Driver with I²C Interface

For complete documentation, see the data sheet.

The LV8414CS is a motor driver that is available for the PWM constant-current control micro step drive of dual stepper motor. Miniaturization using the wafer level package (WLP) makes the IC ideally suited for driving the stepping motors used to control the lenses in digital still cameras, cell phone camera modules and other such devices.

Features

- Serial data control using I2C interface
- Built-in thermal protection circuit
- Low supply voltage protection circuit included
- Built-in 256-division micro step drive circuit for dual stepper motor
- Excitation step proceeds only by step signal input
- Peak excitation current switchable to one of 16 levels
- On-chip photo-sensor drive transistor
- On-chip Schmitt buffer

Benefits

- Easy control
- Thermal protection
- Low supply voltage protection

Applications

- Cell phone camera modules
- Lens control in digital cameras
- Portable & Wireless

End Products

- Digital Still Camera
- Feature Phone
- Smartphone
- Tablet

Part Electrical Specifications

Product	Pricing (\$/Unit)	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	Current Sense	Fault Detection	Package Type
LV8414CS-N-TE-L-H	1.6392	Pb-free Halide free	Active	2.5	6	2.5	6	0.4	0.6	1	I2C	External Resistor	Thermal	WLCS P-32

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

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