



Product Overview

LV8104V: Motor Predriver, Brushless, 3-Phase

For complete documentation, see the data sheet

Product Description

LV8104V is a pre-driver IC designed for variable speed control of 3-phase brushless motors. Its integrated charge pumps satisfy both upper and lower N-channel gate drive requirements. High efficiency operation is achieved through the use of direct PWM drive and synchronous rectification.

Features

- Integrated charge pump for upper-side gate drive voltage generation
- Speed discriminator and PLL speed control system
- High efficiency using synchronous rectification
- 5.0 V regulator output

Applications

- Computing & Peripherals

End Products

- Multi-Function Printer

Part Electrical Specifications

Product	Compliance	Status	Type	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 (Ω)	Package Type
LV8104V-MPB-H	Pb-free Halide free	Active	Brushless DC			16	28	0.015			Clock		External Resistor	Yes	Lock Thermal UVLO			SSOP-44
LV8104V-TLM-H	Pb-free Halide free	Active	Brushless DC			16	28	0.015			Clock		External Resistor	Yes	Lock Thermal UVLO			SSOP-44

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