



Product Overview

LV8105W: Three-Phase Brushless Motor Predriver for Variable Speed Control

For complete documentation, see the data sheet

Product Description

The LV8105W is a predriver IC designed for variable speed control of 3-phase brushless motors. It can be used to implement a high- and low-side output N-channel power FET drive circuit using a built-in charge pump circuit. High-efficiency drive is possible through the use of low noise PWM drive and synchronous rectifying systems.

Features

- Speed discriminator and PLL speed control system
- Integrated VCO
- Speed lock detection output
- Hall bias switch
- Braking circuit
- Integrated current limiting and lock protection circuits

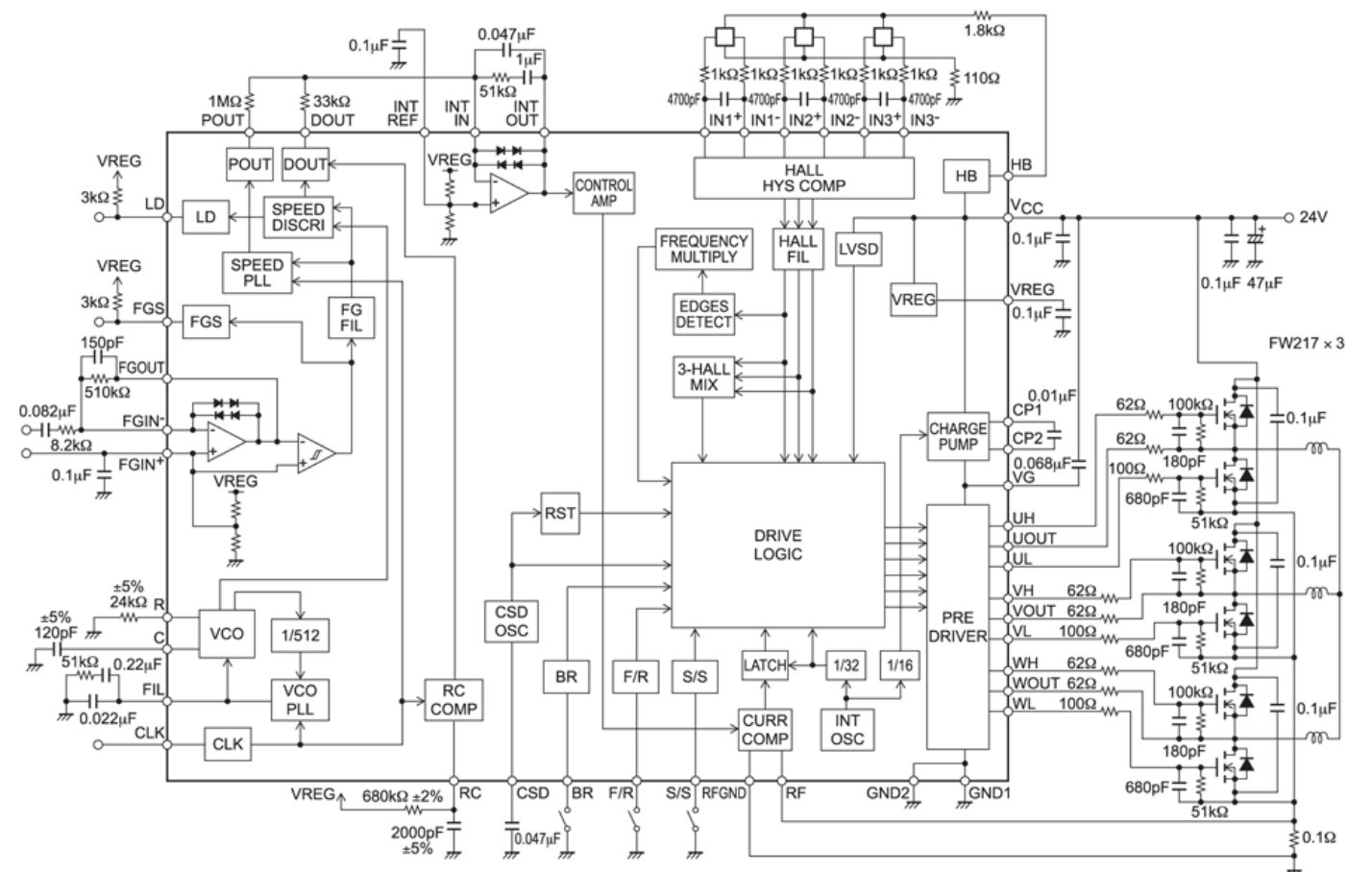
ApplicationsEnd Products

- Computing & Peripherals
- 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 Reso lution	Cont rol Type	Feed back Meth od	Curr ent SENSE	Reg ulato r Outp ut	Fault Dete ction	Flyb ack Prot ectio n	R _{DS(on)} Typ ()	Pack age Type
LV8105W-MPB-E	Pb-free	Active	Brushless DC			16	28	0.015			Clock	PLL + Discriminator	External Resistor	Yes	Lock The rmal UV LO	External		SPQ FP-48 / SQF P-48
LV8105W-TLM-E	Pb-free	Active	Brushless DC			16	28	0.015			Clock	PLL + Discriminator	External Resistor	Yes	Lock The rmal UV LO	External		SPQ FP-48 / SQF P-48

Application Diagram



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

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