



Product Overview

LC898212XD: Auto Focus (AF) Controller

For complete documentation, see the data sheet

Product Description

This LSI is AF control LSI. It consists of 1 system of feed back circuit for AF control.

Features

- Built-in equalizer circuit using digital operation :
AF control equalize circuit
Any coefficient can be specified by I²C I/F
- I²C Interface
- Built-in A/D converter :
Maximum 10-bit
Input 2 channel
- Built-in D/A converter :
8-bit
Output 2-channel (Hall offset, Constant current Bias)
- Built-in OP Amp :
1 channel
Hall Amp
- Built-in OSC : 48MHz (Frequency adjustment function)
- Built-in PWM pulse generator circuit : PWM circuit for AF control
- 1-chip motor driver : Saturation drive H bridge 1 channel
- Supply voltage : Logic unit = Internal core typ 1.2V, AVDD (2.6V to 3.6V)
- Supply voltage : Driver unit = VM (2.6V to 3.6V)

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	Control Type	Feed back Meth- od	Curr- ent Sense	Reg- ulator Output	Fault Detection	Fly- back Protec- tion	R _{DS(on)} Typ (Ω)	Package Type
LC898212XD-SH	Pb-free Halide free	Active	OIS/ AF	2.6	3.6	2.6	3.6	0.13	0.195		I2C			Yes			7.7	WLC SP- 12

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

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