



Product Overview

LC898213XC: Auto Focus (AF) Controller

For complete documentation, see the data sheet

Product Description

This LSI is an Auto Focus (AF) controller 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 Hall Sensor
Si Hall sensor
- Built-in VGA
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
unit : Internal core (1.7V to 1.98V), AVDD (2.6V to 3.6V)
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 Method	Current Sense	Regu- lator Output	Fault Detection	Flyback Protection	R _{DS(on)} Typ (Ω)	Package Type
LC898213XC-MH	Pb-free	Active	OIS/ AF	2.6	3.6	2.6	3.6	0.13	0.195		I2C			Yes			6.5	WLC SP- 11
	Halide free																	

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