



Product Overview

LC898214XD: 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 feedback circuit for AF control.

Features	Benefits
<ul style="list-style-type: none"> Built-in equalizer circuit using digital operation <ul style="list-style-type: none"> AF control equalize circuit Any coefficient can be specified by I²C I/F Built-in A/D converter <ul style="list-style-type: none"> Maximum 10-bit Input 2 channel Built-in Hall Sensor : Si Hall sensor Built-in VGA : Hall Amp Built-in OSC : 48MHz Built-in Constant Current Driver I²C Interface Built-in D/A converter <ul style="list-style-type: none"> 8-bit Output 2-channel (Hall offset, Constant current Bias) Built-in EEPROM : 128 byte (8 byte/page) Supply voltage : VDD (2.6V to 3.6V) 	<ul style="list-style-type: none"> Short time focus settling for any actuators Precise auto focusing Space saving mount Space saving mount Space saving mount Space saving mount

Applications	End Products
<ul style="list-style-type: none"> Closed loop auto focus for camera module 	<ul style="list-style-type: none"> Tablet Smart Phone

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 (Ω)	Pack age Type
LC898214XD-MH	Pb-free Halide free	Active	OIS/ AF	2.6	3.6	2.6	3.6	0.12	0.18		I2C			No				WLC SP-8

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