1 Ch NiMH Battery Charger Controller
LS2364T
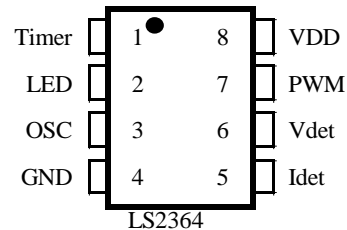
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■ Features

◆ High accuracy in voltage detecting resolution: ~1mV/step for adjusting battery charge full condition as –deltaV, or 0deltaV (& over 16.4min.).
(meet industrial specification about battery charge full request,
-delta V = 5~10 mV)

◆ Build-in special noise cancellation circuit for filtering noise from circuit

◆ Multiple charge process for different battery voltage condition: Battery Alive, Pre-Charge, Fast Charge and Trickle Charge.

◆ Constant Current charge method in each charge process.

◆ Providing multiple protection:

Pre-Charge Time Out protection, Fast Charge Time Out protection, Maximum Battery Voltage protection.

◆ Single pin for economic RC oscillator circuit.

◆ Dual color LED status display: Power On/ battery defect/ Charging/ full.

◆ Working Voltage: 3.3 Volt.

◆ Package: Package: SOP-8.
    RoHS parts: LS2364T
    Green parts: LS2364TG

Timer	1	8	VDD
LED	2	7	PWM
OSC	3	6	Vdet
GND	4	5	Idet

LS2364

■ Application: 1 or multi-cells NiMH battery charger.

■ Pin Assignment:

.Pin	Name	I/O	Description
1	Timer	I	Charge Time Out setting
2	LED	O	Charge status LED output
3	OSC	I	RC Oscillator input; suggested : R= 330k ohm, C=103pf.
4	GND	P	Ground
5	Idet	I	Charge current setting / detecting input
6	Vdet	I	Battery voltage detecting input
7	PWM	O	PWM charge control output
8	VDD	P	Power Input, 3.3 V working voltage