

1 Ch NiMH Battery Charger Controller LS2364T

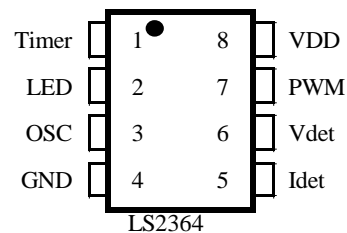


■ Features

- ◆ High accuracy in voltage detecting resolution: $\sim 1\text{mV/step}$ for adjusting battery charge full condition as $-\Delta V$, or $0\Delta V$ (& over 16.4min.). (meet industrial specification about battery charge full request, $-\Delta V = 5\sim 10\text{mV}$)
- ◆ 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



■ 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