NiMH Battery Charge Control IC
LS691-N13

Linkas
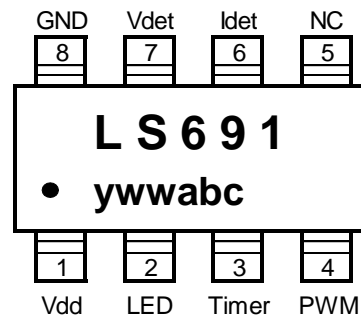
■ Features

◆ Build-in high accuracy A/D convertor for detecting charge full conditions of -deltaV, or 0deltaV.

◆ Noise filter logic design for reducing PCB's noise to meet high accuracy data collection.

◆ For 1 or multi cells NiMH battery charge application.

◆ Battery alive function for waking-up long time no use battery, which battery voltage is so low as no battery.

◆ Charge current is settable (by external Resistor); and Pre/ Fast current are automatically adjusted for different battery voltage level.

◆ Charge full detecting, -deltaV, 0deltaV.

◆ Charge time out protect.

◆ Charge status indication by dual color LED for Power on/ Charge/ Full/ Defect.

◆ Re-start charge process for battery voltage drop by self-discharged.

◆ Working voltage: 5.0V.

◆ Marking: LS691
ymabcdef
yww: year / week.
abc: Wafer tracking code.

◆ Package: SOP-8 (150 mil)

■ Pin Assignment

Pin No.	Name	I/O	Description
1	Vdd	P	Power Input (5.0V)
2	LED	O	LED charge status output
3	Timer	I	Charge time out select input
4	PWM	O	Charge loop switching control output
5	NC	-	No connect
6	Idet	I	Charge current setting/detect input
7	Vdet	I	Battery voltage detect input
8	GND	P	Ground