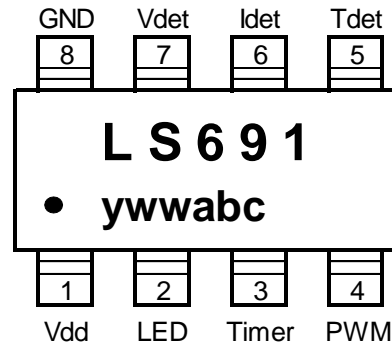■ Features

◆ When battery is plugged, base on battery voltage level, go into suitable related charge process flow.

◆ Constant Current mode, which Fast Charge current is set by external resistors.

◆ Pre-Charge mode for protecting over discharged battery.

◆ Fast-Charge mode for speed-up normal battery.

◆ Battery is charged full when charge current is lower than 15% of setting level, 0.15C.

◆ Multiple protect functions: Over charge voltage protect, over charge current protect, over discharge battery protect.

◆ Temperature protect function: Initial temperature protect, and charge period temperature protect.

◆ Charge time out protect: Pre-Charge & Fast-Charge time out protect.

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

◆ 2 LED Charge status indication: power on, no battery, charge, full, defect.

◆ Working voltage: 4.5V.

◆ Marking: LS691

                    ywwabc

yww: year / week.

abc: Wafer tracking code.

◆ Package: SOP-8 (150 mil)

GND	Vdet	Idet	Tdet
8	7	6	5

L S 6 9 1
● **ywwabc**

1	2	3	4
Vdd	LED	Timer	PWM

■ Application: 1~ N cells battery charger (or function).

■ Pin Assignment

Pin No.	Name	I/O	Description
1	Vdd	P	Power Input
2	LED	O	LED charge status output
3	Timer	I	Time Out protect setting input
4	PWM	O	Constant current driving output
5	Tdet	I	Temperature detect Input
6	Idet	I	Charge current detect input
7	Vdet	I	Battery voltage detect input
8	GND	P	Ground