

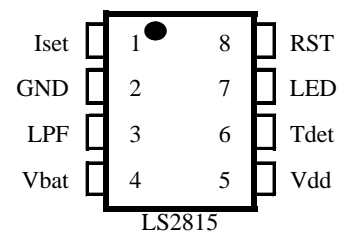
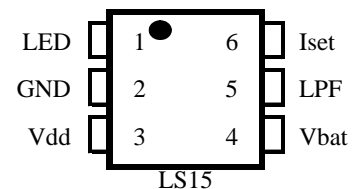
### Features

Build in MOSFET of charge switching circuit for saving external components.  
Build in voltage regulator, no need external voltage regulator components.  
Build in Temperature protect circuit for keeping IC at safe charge status.  
Base on battery voltage for going into related Pre-charge or Fast charge flow.  
Constant charge current mode, which fast charge current can be set by external resistor.  
Pre-charge mode, using smaller constant charge current for over discharge battery.  
Fast charge mode for normal battery,

which used setting current for shorten charge time.  
Battery full is detected by charge current (Current Termination).  
Multiple protect function: Over voltage, Under voltage, Over charge current.  
Battery temperature protect function (LS2815 only).  
Re-start function for un-plugged self discharge battery.  
Wide range Vdd voltage: 4.5V~5.5V.  
Dual color LED charge status display- Charge/red, Full/green, Defect/off.  
Package: LS15: SOT-26; LS2815: SOP-8

### Pin Assignment

SOP-8	SOT-26	Nmae	I/O	Description
1	6	Iset	I	Charge current setting input
2	2	GND	P	Ground
3	5	LPF	I	Low Pass Filter
4	4	Vbat	O	Output drive to battery positive port
5	3	Vdd	P	Power Input
6	-	Tdet	I	Temperature Detectinput
7	1	LED	O	LEDcharge status output
8	-	RST	O	IC Reset



### Function Block

