

Features

Build-in high accuracy A/D convertor for detecting charge full conditions of  $-\Delta V$ , or  $0\Delta V$ .

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

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,  $-\Delta V$ ,  $0\Delta V$ , DT/dt.

Multi- protect: Maximan Temperature, Charge timer.

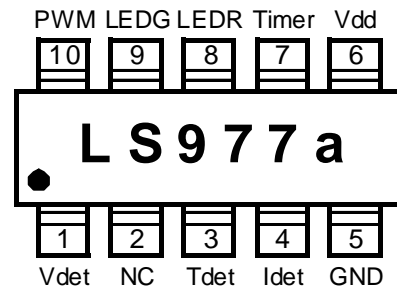
Charge status indication by dual color LED for Power on/ Charge/ Full/ Defect.

Working voltage: 4.5V.

Marking: LS977a

a: means package reference.

Package: MSOP-10



Pin Assignment

Pin No.	Name	I/O	Description
1	Vdet	I	Battery voltage detect input
2	NC	-	No connect
3	Tdet	I	Battery temperature detect input
4	Idet	I	Charge current setting/detect input
5	GND	P	Ground
6	Vdd	P	Power Input (4.5V)
7	Timer	I	Charge time out select input
8	LEDR	O	Red LED, charge status output
9	LEDG	O	Green LED, charge full status output
10	PWM	O	Charge loop switching control output