

Features

4 channel independent charge control, each channel can be set to charge 1 cell (or multi-cells) of NiMH battery.

Using high resolution of ADC (Analog Digital Converter) for detecting battery charge full condition of $-\Delta V$, or $0\Delta V$.

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

Trickle charge flow for compensation of battery self discharge after charge full, till battery un-plug.

One time Alkaline battery automatically determine, stop charging.

Build in battery alive function, for waking up long shipment or un-used battery.

Multi- protect: Maximan Temperature, Charge timer.

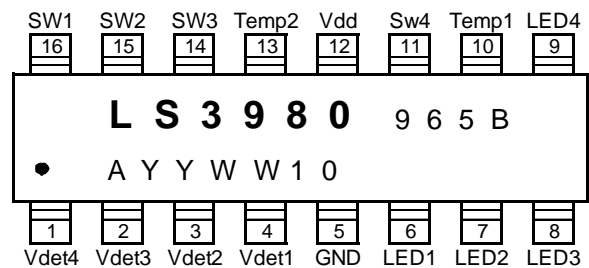
LS3980-NF3-A: Timer= 4.5hr.

LS3980-NF3-B: Timer= 12.0hr.

Charge status indication by dual color LED for Power on/ No battery/ Charge/ Full/ Defect.

Working voltage: 3.0V.

Package: NSOP-16.



Application: 4 Channel Desktop charger.

Pin Assignment

Pin No.	Name	I/O	Description
1, 2, 3, 4	Vdet1, 2, 3, 4	I	Battery voltage detect input of Ch1, 2, 3, 4
10, 13	Temp1, 2	I	Battery temperature detect input of Ch1&2, 3&4
5	GND	P	Ground
6, 7, 8, 9	LED1, 2, 3, 4,	O	LED Charge status indication of Ch1, 2, 3, 4
12	Vdd	P	Power Input (3.0V)
16, 15, 14, 11	SW1, 2, 3, 4	O	Charging circuit switching control output of Ch1, 2, 3, 4