

## Description

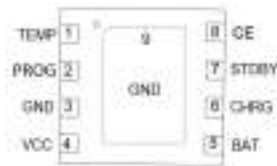
The TCS6143H is a standalone linear Li-ion battery charger with ESOP-8 package. With few external components, TCS6143H is well suited for a wide range of portable applications. Charging current can be programmed by an external resistor. The maximum withstand voltage of TCS6143H is 30V, In standby mode, supply current will be reduced to around 50uA. Other features include UVLO, automatic recharge, charge status indicators and thermal regulation.

## Feature

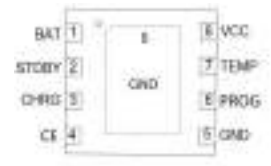
- ◆ Up to 1A Programmable Charge Current
- ◆  $V_{in(max)}$ : 30V (Typ) ,
- ◆  $OVP(V_{in})$ : 6.5V (Typ)
- ◆ No External MOSFET, Sense Resistor, or Blocking Diode Required
- ◆ Preset Charge Voltage with  $4.35V \pm 1\%$  Accuracy
- ◆ Automatic Recharge
- ◆ 2.9V Trickle Charge Voltage
- ◆ C/10 Charge Termination
- ◆ 50uA Standby Supply Current
- ◆ Charge Status Indicator
- ◆ Soft-Start to Limit Inrush Current
- ◆ Thermal Protection

## Application

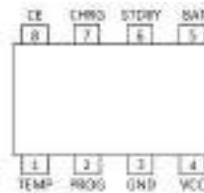
- ◆ Mobile Phone、PDA、MP3
- ◆ Bluetooth
- ◆ Charger



**DFN2\*2-8L**



**DFN3\*3-8L**



**ESOP8**

## Typical Application

