



# Single Cell Li-Ion Battery Linear Charger Accepting USB and AC-Adapter Power Sources

## Features

- No External Power MOSFET, Sense Resistor or Blocking Diode Required
- 1% Regulation Voltage Accuracy
- Accepting USB and AC-Adapter Power Sources with Autonomous Power-Source Selection
- Overvoltage Lockout for Adapter and USB Input
- USB Control For Selectable 100mA and 500mA Charge Rate
- Programmable Charge Current Limit up to 1A From AC-adapter
- Automatic Recharge
- Complete Precharge, Constant Current, Constant Voltage and Charge Termination
- Charge Procedure with Safety Timer
- Support for 5V Power Supply Voltage
- Optional Power Good Indication (AC Adapter Present)
- Optional Battery Temperature Monitoring
- Internal Thermal Protection Circuit
- 3mm × 3mm TDFN Package

## Applications

- MP3 Players
- Cellular Phones, Smartphone
- PDAs, Digital Cameras
- Hand-Held Devices

## Ordering Information

ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Pb free)
G5880RE1U	5880	-40°C ~ +85°C	TDFN3X3-10
G5881RE1U	5881	-40°C ~ +85°C	TDFN3X3-10
G5882RE1U	5882	-40°C ~ +85°C	TDFN3X3-10

Note: RE:TDFN3X3-10

1: Bonding Code

U: Tape & Reel

## Pin Configuration

