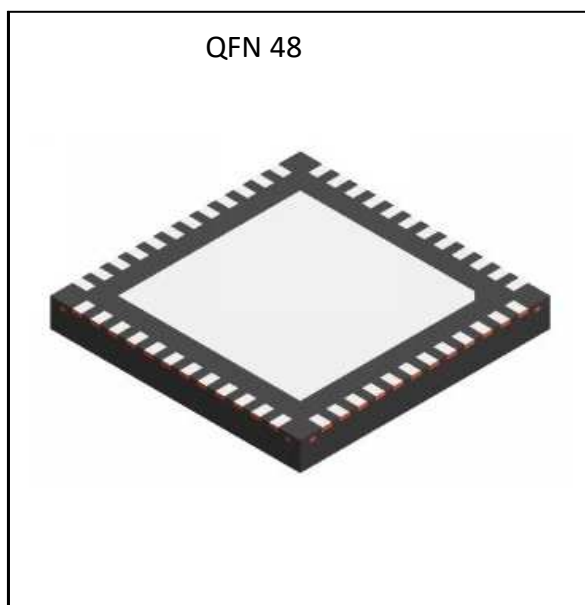


Battery Charger Controller

Features

- Single channel differential gate drivers
- 6V synchronous rectification type buck converter
- 5V regulator output
- 3x differential-ended input operational amplifiers
- 2x single-ended input operational amplifiers
- 2x comparators with hysteresis and deglitch
- Serial Bus control
- Coil voltage sense for protection
- Bridge current sense for protection
- Over voltage and over current protection
- Thermal Protection



Description

The AP9919A is battery charger controller with single power supply designed for wireless battery charging. The power management block provides regulated supplies for both internal and external circuit. Through the serial bus, AP9919A communicates with the external MCU to drive the battery charger.

On-chip power transistor drivers will drive external power transistors directly and built-in sensing circuit will shut the transistors off when over current condition or over voltage conditions is detected.

1 Device block diagram

