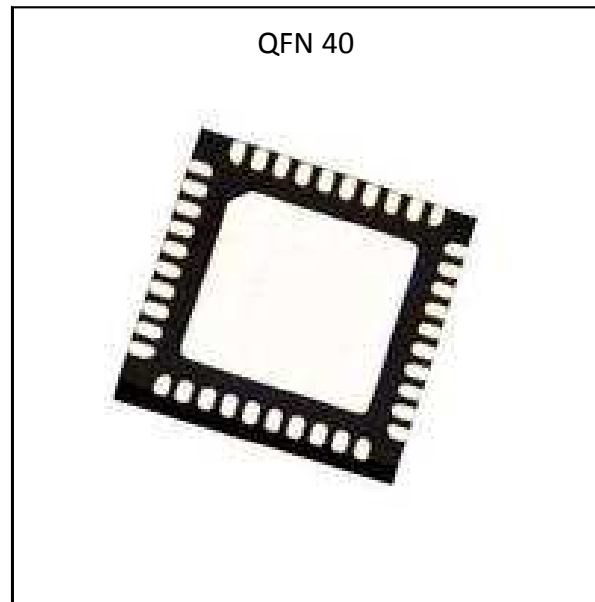


Wireless charger controller

Features

- Single channel differential gate drivers
- 1x differential-ended input operational amplifiers
- 1x single-ended input operational amplifiers
- 1x comparators with hysteresis and deglitch
- Serial Bus control
- Coil voltage sense for protection
- Bridge current sense for protection
- Over voltage and over current protection



Description

The AP9929A is a wireless battery charger controller working at a single power supply. The power management block provides regulated supply for internal circuit. Through the serial bus, AP9929A communicates with the external MCU to obtain information to drive the power inverter drivers.

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

AP9929A can operate at a broad temperature range from 0°C to +70°C.