

MIC94300

200 mA Switch with Ripple Blocker™ Technology

General Information

The MIC94300 is an integrated load switch that incorporates Ripple Blocker™ active filter technology. The MIC94300 provides high-frequency ripple attenuation (switching noise rejection) for applications where a switching noise cannot be tolerated by sensitive downstream circuits such as in RF applications. A low-voltage logic enable pin disconnects the pass element and places the MIC94300 into a low current-shutdown state when disabled.



Features

- 1.8V to 3.6V input voltage range
- Active noise rejection over wide frequency band: >60 dB from 40 kHz to 5 MHz
- Rated to 200 mA output current
- Logic controlled enable pin
- Current-limit and thermal-limit protected
- Ultra-small 0.88 × 0.88 mm 4-ball CSP
- 1.2 × 1.6 mm, 4-pin Thin MLF
- -40°C to +125°C junction temperature range

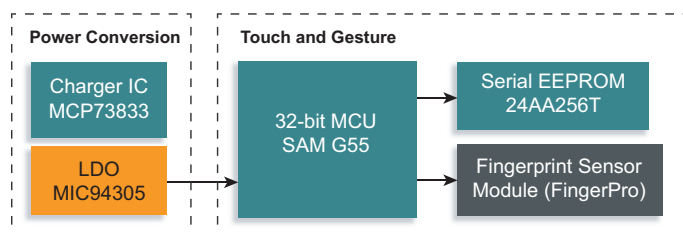
Applications

- Automotive and industrial applications
- Tablets/PCs/smartphones
- Webcams/video cameras/smart devices
- Global positioning systems and video conferencing

Benefits

- Ripple Blocker technology protects the device from damage due to fault conditions
- Device maintains high efficiency independent of given load conditions and current
- Low power dissipation makes the device suitable for many applications
- Reduces printed circuit board space by 50% or more and lowers BOM cost

Fingerprint E-Lock



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