



## MAX20014EVKIT

# Evaluation Kit for the MAX20014

### *Description*

The MAX20014 evaluation kit (EV kit) is a fully assembled and tested PCB that demonstrates the MAX20014 power management IC (PMIC). The EV kit includes three high-efficiency, low-voltage DC-DC converters: OUT1 boosts a 3.3V input to 5V at up to 500mA, while two synchronous step-down converters (OUT2, OUT3) provide adjustable output voltages down to 0.8V at up to 3A. The 2.2MHz switching-frequency operation allows for the use of all-ceramic capacitors and minimizes external components.

The EV kits feature three on/off jumper controls, and three reset outputs to indicate output status for each converter. It also provides SYNC input to select the operating mode (PWM, skip, or external synchronization).

### *Key Features*

- 3.0V to 5.5V Operating Supply Voltage
- 5V at 500mA Synchronous Boost Converter (OUT1)
- 1.25V at 3A Synchronous Buck Converter (OUT2)
- 1.8V at 3A Synchronous Buck Converter (OUT3)
- Sync-Mode Select/Input for Forced-PWM/Skip Mode Selection or External Frequency Synchronization
- Individual Active-Low RESET1–RESET3 Outputs
- Minimal External Components
- Proven PCB Layout
- Fully Assembled and Tested