

MAX30001 Evaluation System

Evaluates: MAX30001
MAX30002

General Description

The MAX30001 evaluation system (EV system) provides a single platform to evaluate the functionality and features of the MAX30001 with Biopotential (ECG, R-to-R, and Pace Detection) and Bioimpedance (BioZ) measurement capabilities. The EV system includes a MAX30001 evaluation kit (EV kit) and a MAX32630FTHR Cortex-M4F microcontroller for wearables. The MAX32630FTHR provides power to the MAX30001 EV kit and contains the firmware necessary to use the EV kit GUI program. The EV kit ships with jumpers installed and supply voltages set to typical operating values. Optional connections exist which can be shunted to make use of different functionalities.

Note that the MAX30002 is register compatible with the MAX30001. By disabling the ECG, PACE, and R-to-R blocks, the MAX30001 is equivalent to the MAX30002 and the EV kit evaluates the MAX30002 functionality and performance.

This EV system is not a medical device.

Features

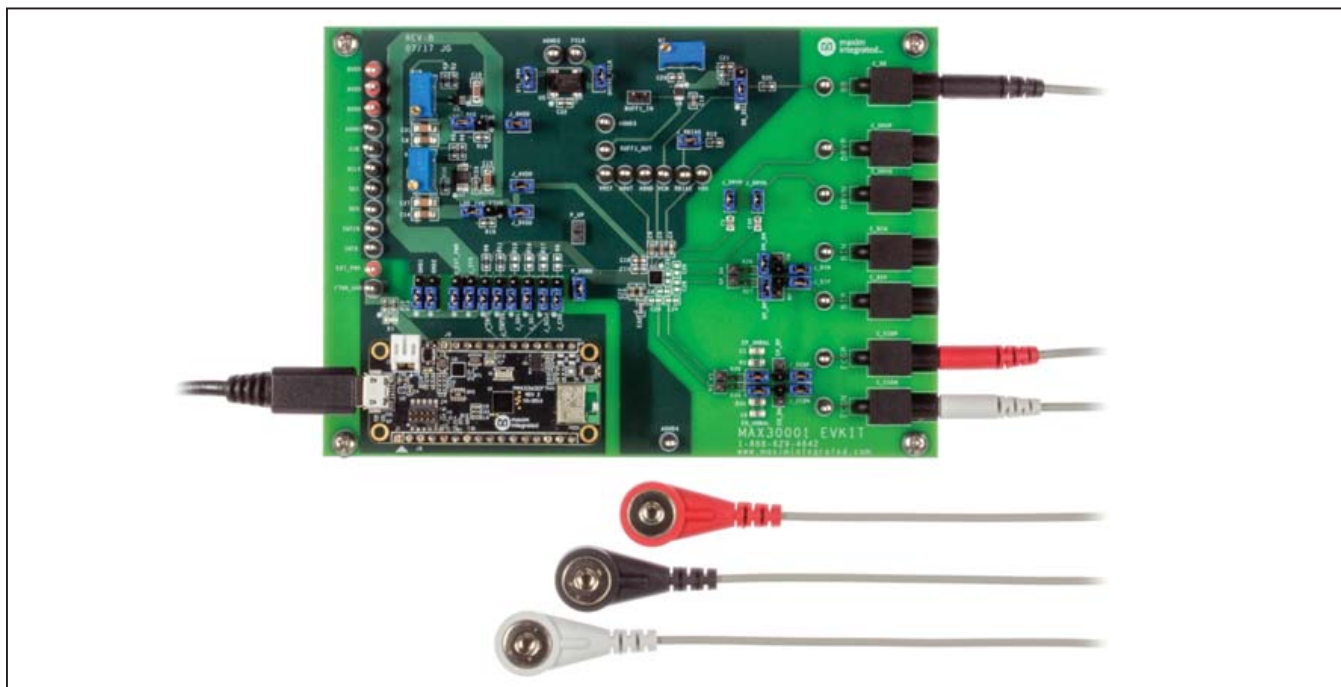
- Convenient Platform to Evaluate the MAX30001
- Many Easy-to-Reach Test Points
- Measure Individual Supply Currents
- Touchproof Cable Connectors
- Windows® 7/8/10 Compatible GUI software
- Fully Assembled and Tested
- Facilitates IEC 60601-2-47 Compliance Testing
- Ultra-Low-Power Design

EV System Contents

- MAX30001 EV kit
- MAX32630FTHR
- USB A to micro-USB cable
- Three (3) ECG cables

[Ordering Information](#) appears at end of data sheet.

MAX30001 EV Kit Photo



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