

RedyKit™ for the ADP2370 Buck Regulator

FEATURES

- All-voltage option for evaluation
- Surface-mount **ADP2370** parts that can be easily soldered
- Additional parts for prototyping

ADP2370CPZ-REDYKIT CONTENTS

- 1 each ADP2370CP-3.3-EVALZ with $V_{OUT} = 3.3\text{ V}$
- 1 each ADP2370CP-1.8-EVALZ with buck $V_{OUT} = 1.8\text{ V}$
- 5 each **ADP2370** additional voltage options in a labeled bag

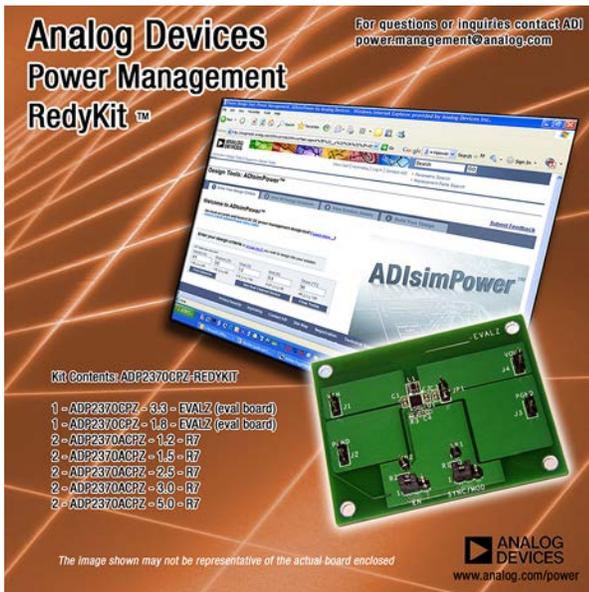


Figure 1. RedyKit Package

GENERAL DESCRIPTION

The ADP2370CPZ-REDYKIT allows simplified prototyping and evaluation and is available for every standard fixed output voltage option in the **ADP2370** product family. This allows the user to evaluate the voltage options with one easy-to-order kit.

All surface-mount **ADP2370** parts are sorted and stored in the kit with the Analog Devices, Inc., part number and fixed output voltage clearly printed on each zip-top bag.

The kit can be used in the engineering lab to evaluate required voltage options. If other voltage options must be evaluated, a different part from the kit can be easily soldered onto one of the evaluation boards supplied with the kit.

The ADP2370CPZ-REDYKIT is available with 3.3 V buck and 1.8 V buck evaluation boards. The kit also contains additional parts for prototyping. The kit enclosure, which contains individually packaged parts and the evaluation boards, is packaged in an ESD foam pad inside a treated cardboard box that measures 8.7" (L) × 7.9" (W) × 1.75" (H), that is, 22 cm (L) × 20 cm (W) × 4.5 cm (H).

The **ADP2370** evaluation board user guide, **UG-219**, can be found at www.analog.com.

TYPICAL APPLICATION CIRCUIT

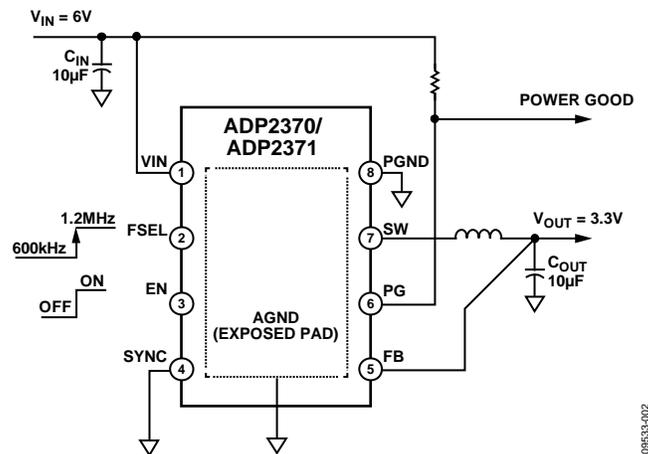


Figure 2. Typical **ADP2370** Application Circuit

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REVISION HISTORY

4/12—Revision 0: Initial Version

EVALUATION BOARD SCHEMATIC AND LAYOUT

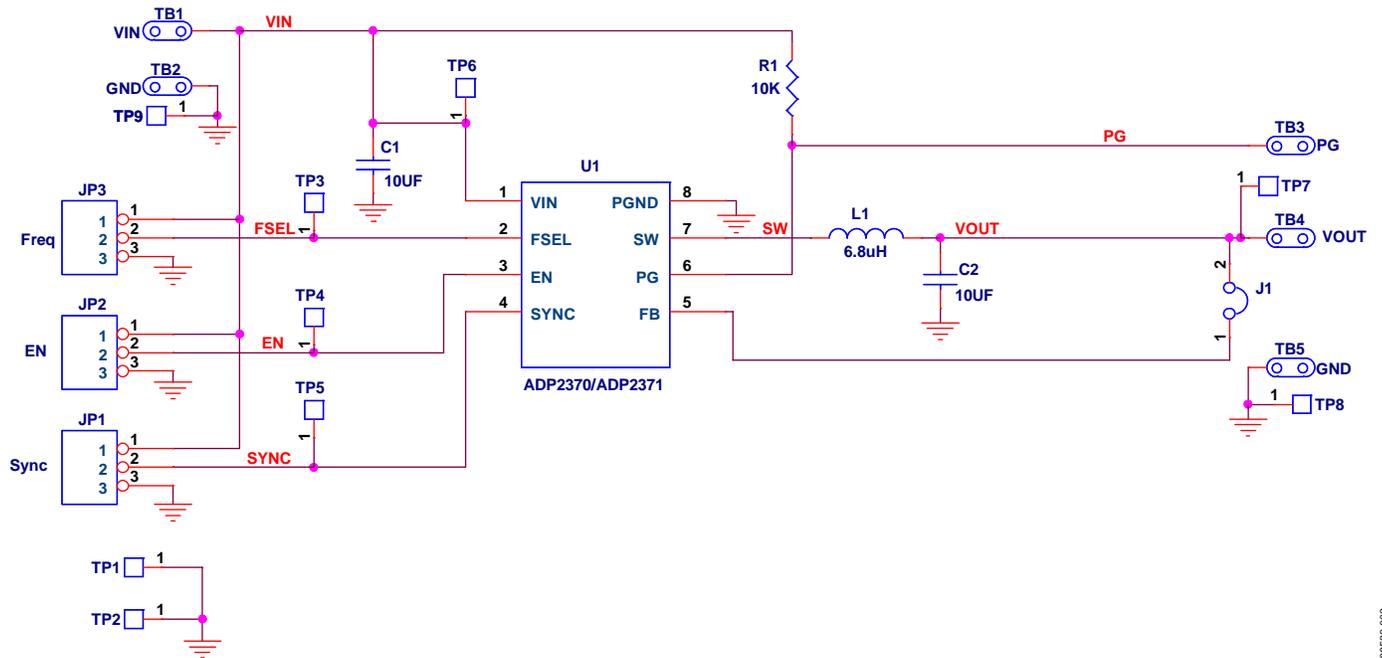


Figure 3. Evaluation Board Schematic

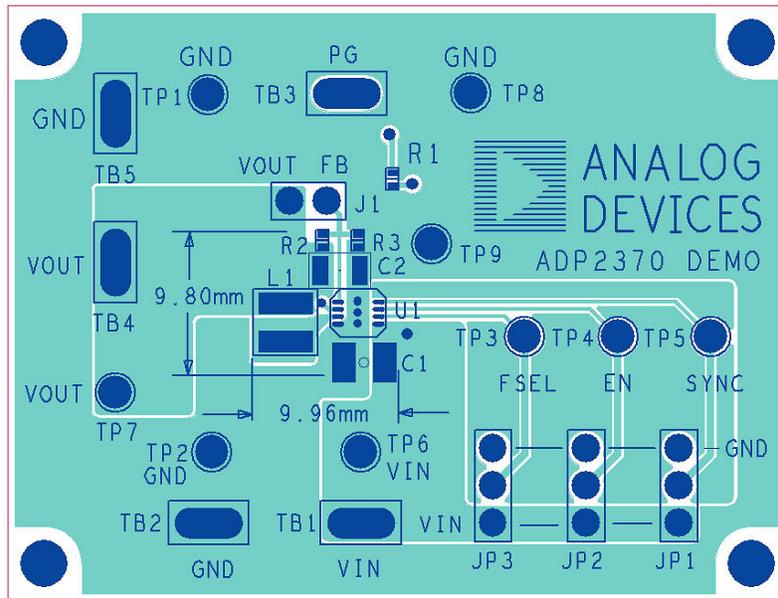


Figure 4. Evaluation Board Layout

09533-003

09533-004

ADP2370 REDYKIT BILL OF MATERIALS

Table 1.

Qty	Model	Buck Voltage (V)	Description
1	ADP2370CP-3.3-EVALZ	3.3	Evaluation board
1	ADP2370CP-1.8-EVALZ	1.8	Evaluation board
2	ADP2370ACPZ-1.2-R7	1.2	8-lead LFCSP_WD
2	ADP2370ACPZ-1.5-R7	1.5	8-lead LFCSP_WD
2	ADP2370ACPZ-2.5-R7	2.5	8-lead LFCSP_WD
2	ADP2370ACPZ-3.0-R7	3.0	8-lead LFCSP_WD
2	ADP2370ACPZ-5.0-R7	5.0	8-lead LFCSP_WD

**ESD Caution**

ESD (electrostatic discharge) sensitive device. Charged devices and circuit boards can discharge without detection. Although this product features patented or proprietary protection circuitry, damage may occur on devices subjected to high energy ESD. Therefore, proper ESD precautions should be taken to avoid performance degradation or loss of functionality.

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