

RedyKit™ for the ADP151 LDO

FEATURES

- All-voltage option for evaluation
- Surface-mount ADP151 parts that can be easily soldered
- Additional parts for prototyping

ADP151UJZ-REDYKIT CONTENTS

- One ADP151-3.3-EVALZ evaluation board, $V_{OUT} = 3.3\text{ V}$
- One ADP151-2.8-EVALZ evaluation board, $V_{OUT} = 2.8\text{ V}$
- Four additional ADP151 voltage options in a labeled bag

ADP151CPZ-REDYKIT CONTENTS

- One ADP151-3.3-EVALZ evaluation board, $V_{OUT} = 3.3\text{ V}$
- One ADP151-2.8-EVALZ evaluation board, $V_{OUT} = 2.8\text{ V}$
- Three additional ADP151 voltage options in a labeled bag

GENERAL DESCRIPTION

The ADP151UJZ-RedyKit and ADP151CPZ-RedyKit allow simplified prototyping and evaluation and are available for every standard fixed output voltage option in the [ADP151](#) product family. This allows the user to evaluate the voltage options with one easy-to-order kit.

All surface-mount ADP151 parts are sorted and stored in the kits with the Analog Devices, Inc., part number and fixed output voltage clearly printed on each zip-top bag (see Figure 3 and Figure 4).

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

TYPICAL APPLICATION CIRCUITS

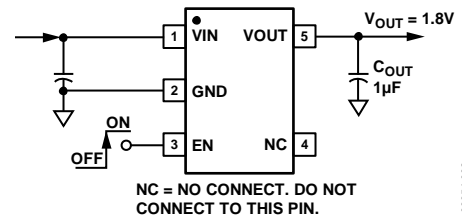


Figure 1. ADP151UJZ-RedyKit

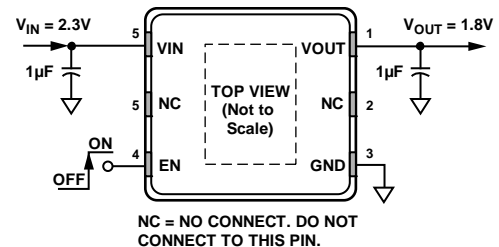


Figure 2. ADP151CPZ-RedyKit

The ADP151UJZ-RedyKit and ADP151CPZ-RedyKit are available with fixed 3.3 V and 2.8 V evaluation boards. The kits also contains additional parts for prototyping. The kits, which contains individually packaged parts and the two evaluation boards, are 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).

For additional information, also see the ADP151 evaluation board user guide, [UG-116](#).

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REVISION HISTORY

1/11—Rev. 0 to Rev. A

Added ADP151CPZ-RedyKit Contents Section and Figure 2;
 Renumbered Sequentially..... 1
 Changes to General Description Section 1
 Moved and Changes to Figure 3 3
 Added Figure 4..... 3
 Added Figure 7 and Figure 8..... 5
 Added Table 2..... 6

7/10—Revision 0: Initial Version

REDYKIT PACKAGES



Figure 3. ADP151UJZ-RedyKit



Figure 4. ADP151CPZ- RedyKit

EVALUATION BOARD SCHEMATICS AND ARTWORK

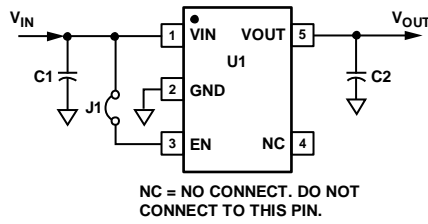


Figure 5. ADP151UJZ-RedyKit Evaluation Board Schematic

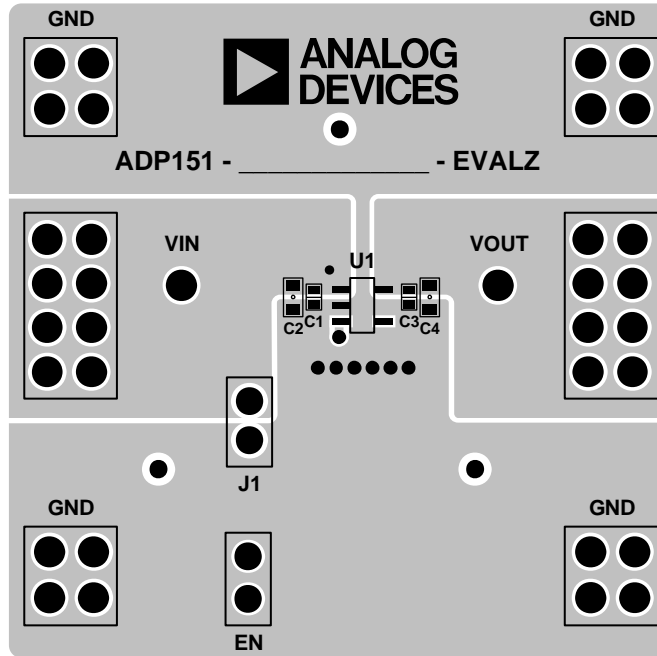


Figure 6. ADP151UJZ-RedyKit Evaluation Board Layout

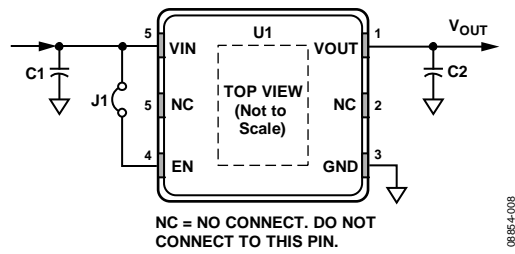


Figure 7. ADP151CPZ-RedyKit Evaluation Board Schematic

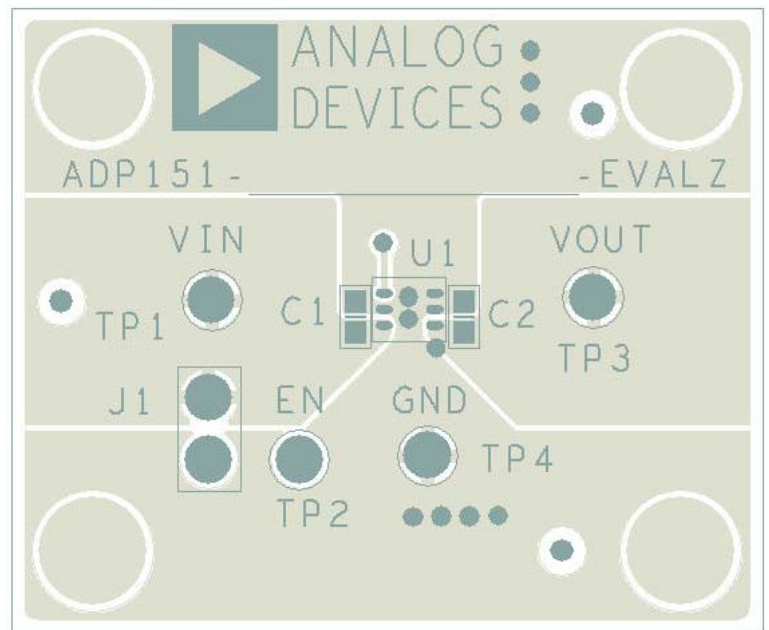


Figure 8. ADP151CPZ-RedyKit Evaluation Board Layout

ORDERING INFORMATION**REDYKIT BILL OF MATERIALS (BOMs)**

Table 1. ADP151UJZ-RedyKit BOM

Qty	Model	Output Voltage (V _{OUT})	Maximum Current	Description
1	ADP151-3.3-EVALZ	3.3 V	200 mA	Evaluation board
1	ADP151-2.8-EVALZ	2.8 V	200 mA	Evaluation board
3	ADP151AUJZ-3.0-R7	3.0 V	200 mA	5-lead TSOT
3	ADP151AUJZ-1.8-R7	1.8 V	200 mA	5-lead TSOT
3	ADP151AUJZ-1.5-R7	1.5 V	200 mA	5-lead TSOT
3	ADP151AUJZ-1.2-R7	1.2 V	200 mA	5-lead TSOT

Table 2. ADP151CPZ-RedyKit BOM

Qty	Model	Output Voltage (V _{OUT})	Maximum Current	Description
1	ADP151CP-3.3-EVALZ	3.3 V	200 mA	Evaluation board
1	ADP151CP-2.8-EVALZ	2.8 V	200 mA	Evaluation board
3	ADP151ACPZ-3.0-R7	3.0 V	200 mA	6-lead LFCSP
3	ADP151ACPZ-2.8-R7	2.8 V	200 mA	6-lead LFCSP
3	ADP151ACPZ-3.3-R7	3.3 V	200 mA	6-lead LFCSP

NOTES

NOTES

**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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