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RedyKit™ for the ADP121 LDO

FEATURES

- All-voltage option for evaluation
- Surface-mount ADP121 5-lead TSOP parts that can be easily soldered to the evaluation boards
- Additional parts for prototyping

ADP121UJZ-REDYKIT CONTENTS

- 1 each ADP121-2.8-EVALZ evaluation board V_{OUT} 2.8 V
- 1 each ADP121-3.3-EVALZ evaluation board V_{OUT} 3.3 V
- 3 each ADP121 voltage options in a labeled bag



Figure 1.

GENERAL DESCRIPTION

The ADP121UJZ-REDYKIT allows simplified prototyping and evaluation and is available for every standard fixed output voltage option in the ADP121 product family. The kit allows the user to evaluate the voltage options with one easy to order kit.

All surface-mount ADP121 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 ADP121UJZ-REDYKIT is available with fixed 2.8 V and 3.3 V evaluation boards. The kit also contains additional parts for prototyping. The kit enclosure, which contains individually packaged parts and the two 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 ADP121 evaluation board data sheet, EVAL-ADP121, can be found at www.analog.com.

TYPICAL APPLICATION CIRCUIT

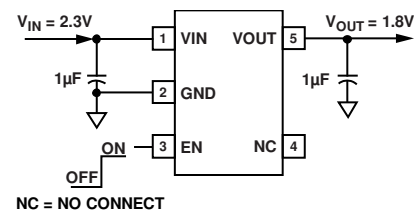


Figure 2.

TABLE OF CONTENTS

Features	1	Revision History	2
ADP121UJZ-REDYKIT Contents.....	1	Evaluation Board Layout	3
General Description	1	RedyKit Bill of Materials	4
Typical Application Circuit	1		

REVISION HISTORY

5/10—Rev. 0 to Rev. A

Trademarked RedyKit	Universal
Changes to Figure 2.....	1

3/10—Revision 0: Initial Version

EVALUATION BOARD LAYOUT

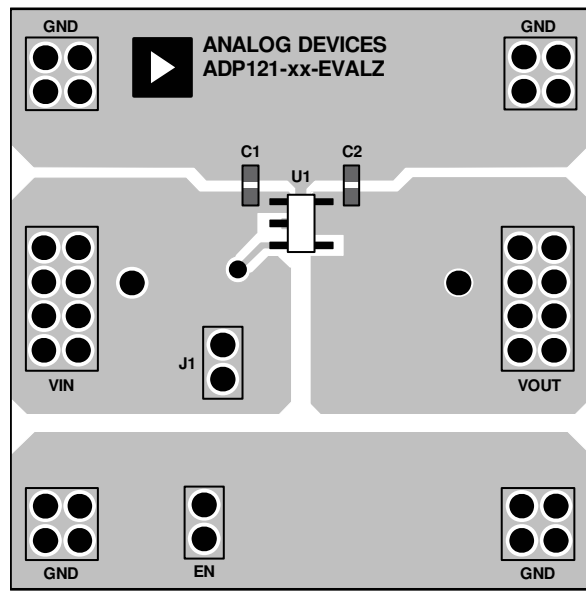
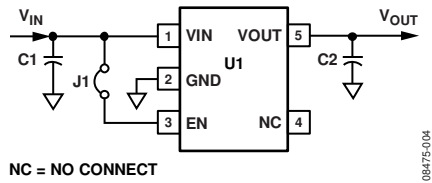


Figure 3.



NC = NO CONNECT

Figure 4. Evaluation Board Circuit Diagram

RedyKit BILL OF MATERIALS

Table 1.

Qty	Model	Output Voltage	Load Current	Description
1	ADP121-2.8-EVALZ	2.8 V	N/A	Evaluation board
1	ADP121-3.3-EVALZ	3.3 V	N/A	Evaluation board
3	ADP121-AUJZ12R7	1.2 V	150 mA	5-lead TSOP
3	ADP121-AUJZ15R7	1.5 V	150 mA	5-lead TSOP
3	ADP121-AUJZ18R7	1.8 V	150 mA	5-lead TSOP
3	ADP121-AUJZ28R7	2.8 V	150 mA	5-lead TSOP
3	ADP121-AUJZ30R7	3.0 V	150 mA	5-lead TSOP
3	ADP121-AUJZ33R7	3.3 V	150 mA	5-lead TSOP



Figure 5. ADP121UJZ-RedyKit Contents

**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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