# LM26420 2.2 MHz, LLP Synchronous Buck Evaluation Board

(ACTIVE) LM26420XSQEVAL

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## Key Document

- AN-1870 LM26420 Evaluation Board (Rev. B) (PDF 557 KB)
  24 Apr 2013 148 views Read Abstract
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## Description

The LM26420 Evaluation board was designed to provide two 2A outputs, $V_{OUT1}$ and $V_{OUT2}$ . It is available in either the eTSSOP package option of the LM26420 for easier probing or the LLP version for evaluating the smaller package. The design emphasizes on the compactness of the LM26420 PCB layout and is thermally optimized. The total solution size is less than 35mm by 40mm. The board supports the conversion from an input voltage ranging from 3V to 5.5V down to output voltages of 0.8V for each channel. $V_{OUT1}$ and $V_{OUT2}$ are set to 1.2V and 2.5V respectively. The feedback resistor can be changed to support output voltages as low as 0.8V or as high at 4.5V, assuming VIN is high enough to support it. The EN pins are pulled up to $V_{IN}$ by jumpers for easy evaluation but can also be easily controlled by external logic.

## Features

- Input Voltage: 3V to 5.5V
- Output Voltages: 1.2 $V_{OUT1}$ and 2.5 $V_{OUT2}$
- Maximum load current: 2A/output
- Minimum load current: 0A
- Size: 1.35 in. x 1.6 in.
- Peak Current Limit: approx= 3.2A at 25°C
- Nominal Switching Frequency: 2.2 MHz
- IC package LLP

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| Part Number | Buy from Texas Instruments or Third Party | Buy from Authorized Distributor | Status | Lead-Free | RoHS |
|---|---|---|---|---|---|
| LM26420XSQEVAL/NOPB: LM26420 2.2 MHz, LLP Synchronous Buck Evaluation Board | $99.00(USD) In Stock Typically Ships in 1 to 3 Business Days Buy from TI | Pricing may vary. Buy from distributor | ACTIVE | Yes | Yes |

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## Technical Documents

### User Guides (1)

| Title | Abstract | Type | Size (KB) | Date | Views | TI Recommends |
|---|---|---|---|---|---|---|
| AN-1870 LM26420 Evaluation Board (Rev. B) | Read Abstract | PDF | 557 | 24 Apr 2013 | 148 | ✓ |

## Related Products

### TI Devices (2)

| Part Number | Name | Product Family |
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| LM26420 | Dual 2.0A, High Frequency Synchronous Step-Down DC-DC Regulator | Converter (Integrated Switch) |
| LM26420-Q1 | Dual 2.0A, High Frequency Synchronous Step-Down DC-DC Regulator | Converter (Integrated Switch) |

## Videos

TSC2013 EVM - Low Power, Dual Resistive Touch Controller

A demonstration and explanation of the features and functionality of the TSC2013 touch screen controller.

**Posted:** 10-Nov-2014
**Duration:** 1:57
**Views:** 9
**Tags:** touch screen controller, resistive touch screen controller

TSC2013 EVM is now avaialble to order.

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TSC2013 EVM - Low Power, Dual Resistive Touch Controller

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