520kHz 1.6MHz Space-Efficient Boost and SEPIC DC-DC Regulator LM2735X Boost 6-Pin LLP Demo Board

(ACTIVE) LM2735XSDEVAL

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Key Document

- **AN-1666 LM2735X 6-Pin LLP Demo Board (Rev. A)** (PDF 1239 KB)
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Description

The demo board included in this shipment converts 3V to 5.5V input to 12V output for up to 500mA load current using the LM2735X 1.6MHz DC-DC switching converter. This is a 2-layer board using the bottom layer as a ground plane.

Features

- Input voltage range 2.7V to 5.5V
- Output voltage range 3V to 24V
- 2.1A switch current over full temperature range
- Current-Mode control
- Logic high enable pin
- Ultra low standby current of 80 nA in shutdown
- 170Ωm NMOS switch
- 2% feedback voltage accuracy
- Ease-of-use, small total solution size
  - Internal soft-start
  - Internal compensation
  - Two switching frequencies
  - 520 kHz (LM2735-Y)
  - 1.6 MHz (LM2735-X)
  - Uses small surface mount inductors and chip capacitors
  - Tiny SOT23-5, LLP-6, and eMSOP-8 packages

Applications:

- LCD Display Backlighting for Portable Applications
- OLED Panel Power Supply
- USB Powered Devices
- Digital Still and Video Cameras
- White LED Current Source

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Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status	Lead-Free	RoHS
LM2735XSDEVAL: 520kHz 1.6MHz Space-Efficient Boost and SEPIC DC-DC Regulator LM2735X Boost 6-Pin LLP Demo Board	$49.00(USD) In Stock Typically Ships in 1 to 3 Business Days Buy from TI	Pricing may vary. Buy from distributor	ACTIVE	No	No

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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views	TI Recommends
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Related Products

TI Devices (2)

Part Number	Name	Product Family
LM2735	520kHz/1.6MHz - Space-Efficient Boost and SEPIC DC-DC Regulator	Converter (Integrated Switch)
LM2735-Q1	520kHz/1.6MHz - Space-Efficient Boost and SEPIC 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.

Related Videos

TSC2013 EVM - Low Power, Dual Resistive Touch Controller

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