

My products

No Products in your history

My technical documents

No documents in your history

My searches

No Searches in your history

TI Home > Semiconductors > Analog & Mixed-Signal > Power Management > DC/DC Switching Regulator > Controller (External Switch) > Step-Down (Buck) Controller > Worldwide (In English)

# Evaluation Board for LM25085 - 42V Wide Vin Constant On-Time PFET Buck Switching Controller

(ACTIVE) LM25085MYEVAL

Description & Features

Technical Documents

Support & Community

Order Now

## Key Document

AN-1905 LM25085 Evaluation Board (Rev. B) (PDF 1159 KB)  
26 Apr 2013 570 views [Read Abstract](#)

[View All Technical Documents \(1\)](#)



## Description

The LM25085 evaluation board provides the design engineer with a fully functional buck regulator, employing the LM25085 PFET switching controller which uses the constant on-time (COT) operating principle. The evaluation board provides a 5V output over an input range of 5.5V to 42V. The circuit delivers load currents to 5A, with current limit set at  $\approx 8.2A$ . The board is populated with all components except C5.

## Order Now

Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status	Lead-Free	RoHS
LM25085MYEVAL/NOBP: Evaluation Board for LM25085 - 42V Wide Vin Constant On-Time PFET Buck Switching Controller	\$75.00(USD)  In Stock <b>Typically Ships in 1 to 3 Business Days</b>  <a href="#">Buy from TI</a>	Pricing may vary.  <a href="#">Buy from distributor</a>	ACTIVE	Yes	Yes

Contact a Distributor

TI's Standard Terms and Conditions for Evaluation Modules apply.

## Technical Documents

### User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views	TI Recommends
AN-1905 LM25085 Evaluation Board (Rev. B)	<a href="#">Read Abstract</a>	PDF	1159	26 Apr 2013	570	✓

## Related Products

### TI Devices (2)


Part Number	Name	Product Family
LM25085	4.5-42V Wide Vin, Constant On-Time Non-Synchronous PFET Buck Controller	Controller (External Switch)
LM25085-Q1	Automotive Grade 4.5-42V Wide Vin, Constant On-Time Non-Synchronous PFET Buck Controller	Controller (External Switch)

## Support and Community

### Wikis

[Visit the TI Wiki](#)

# TI E2E™ community



As a member of [my.TI](#) you can join the [TI E2E™ Community](#) where you can ask questions, share ideas and collaborate with fellow engineers and TI experts

Contents are provided "AS IS" by the respective TI and Community contributors and do not constitute TI specifications. See [Terms of use](#).

**Engage in the Community**

- [Amplifiers](#)
- [Broadband RF/IF & Digital Radio](#)
- [Clocks & Timers](#)
- [Data Converters](#)
- [DLP® & MEMS](#)
- [Interface](#)
- [Logic](#)
- [Power Management](#)
- [Wireless Connectivity](#)

## Training & events

Name	Type	Available During
<b><a href="#">Georgia Tech MOOC: Control of Mobile Robots</a></b> Learn how to make mobile robots move in effective, safe, predictable, and collaborative ways using modern control theory.	On-Line Training	On Demand
<b><a href="#">SimpleLink™ Wi-Fi CC3100 and CC3200 Project 0 Series - 5 Part Series</a></b> Learn about using Software Tools for SimpleLink™ Wi-Fi CC3100 Boosterpack and CC3200 Launchpad	On-Line Training	On Demand
<b><a href="#">TI-RTOS Update</a></b> Learn about the latest TI-RTOS features and more in-depth understanding of this TI software tool.	On-Line Training	On Demand
<b><a href="#">Designing with Ultra Low Power Segmented Displays</a></b> Learn about designing Ultra-low Power Segmented Displays and MSP430	On-Line Training	On Demand

[See more training & events](#) ▶

## Customer Tags

No Tags are Available for this Part Number

[Create a Tag](#)

## Other Support

- [TI E2E Community](#)
- [Contact Technical Support](#)
- [Training](#)

## Your History

### Products You Recently Viewed

There are no items in your history.