

# Stellaris® LM3S811 Evaluation Kit

The Stellaris® LM3S811 Evaluation Board (EK-LM3S811) from Texas Instruments is a compact and versatile evaluation platform for the Stellaris LM3S811 ARM® Cortex™-M3-based microcontroller, and an In-Circuit Debug Interface (ICDI) for any Stellaris microcontroller-based target board. Measuring just 3.5 inches by 1.5 inches, the evaluation board allows users to evaluate, prototype, and create application-specific designs.



## Features

The EK-LM3S811 expansion board has the following features:

- 50 MHz Stellaris® LM3S811 ARM® Cortex™-M3-based microcontroller
- OLED graphics display with 96 x 16 pixel resolution
- User-programmable pushbutton and LED
- Reset pushbutton and power indicator LED
- Thumbwheel potentiometer for driving an Analog-to-Digital Converter (ADC) input
- Standard ARM® 20-pin JTAG debug connector for use as an In-Circuit Debug Interface (ICDI)
- I/O signal break-out pads for hardware prototyping
- UART0 accessible through a USB Virtual COM Port (VCP)
- USB interface for all communication and power

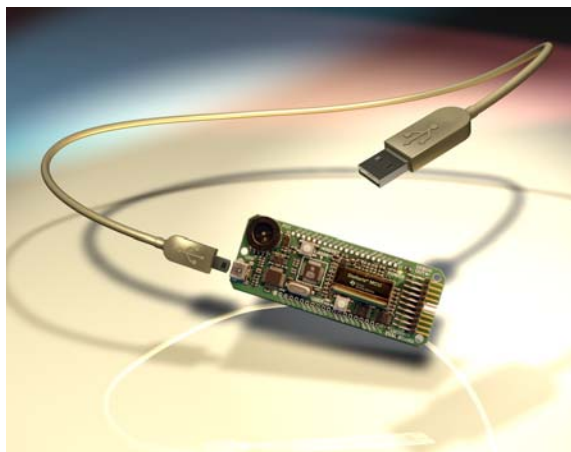
## Kit Contents

The Stellaris® LM3S811 Evaluation Kit provides the tools engineers need to develop and prototype embedded applications right out of the box including:

- LM3S811 Evaluation Board (EVB)
- USB cable
- 20-pin JTAG/SWD target cable

### ■ Evaluation Kit CD containing:

- Complete documentation
- StellarisWare® Peripheral Driver Library and example source code
- A supported evaluation version of one of the following:
  - Keil™ RealView® Microcontroller Development Kit (MDK-ARM)
  - IAR Embedded Workbench® development tools
  - Code Sourcery GCC development tools
  - Code Red Technologies Red Suite
  - Texas Instruments' Code Composer Studio™ IDE



## Ordering Information

EKK-LM3S811	Stellaris® LM3S811 for Keil™ RealView® MDK-ARM (32 KB code-size limited)
EKI-LM3S811	Stellaris® LM3S811 for IAR Systems Embedded Workbench® (32 KB code-size limited)
EKC-LM3S811	Stellaris® LM3S811 for CodeSourcery G++ GNU (30-day limited)
EKT-LM3S811	Stellaris® LM3S811 for Code Red Technologies Red Suite (90-day limited)
EKS-LM3S811	Stellaris® LM3S811 for Code Composer Studio™ IDE (board-locked)

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<http://www.ti.com/stellaris>

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