

# Stellaris® LM4F120 LaunchPad Evaluation Kit



The Stellaris LM4F120 LaunchPad Evaluation Kit (EK-LM4F120XL) is a low-cost evaluation platform for ARM® Cortex™-M4F based microcontrollers. The Stellaris LaunchPad's design highlights the LM4F120H5QR microcontroller's USB 2.0 Device interface, Hibernation module and overall cost effectiveness. The Stellaris LaunchPad also features programmable user buttons and an RGB LED for custom applications. The stackable

headers of the Stellaris LM4F120 LaunchPad BoosterPack XL interface demonstrate how easy it is to expand the functionality of the Stellaris LaunchPad when interfacing to other peripherals with Stellaris BoosterPacks and MSP430™ MCU BoosterPacks.

## Kit contents

- Stellaris LaunchPad Evaluation Kit (EK-LM4F120XL)

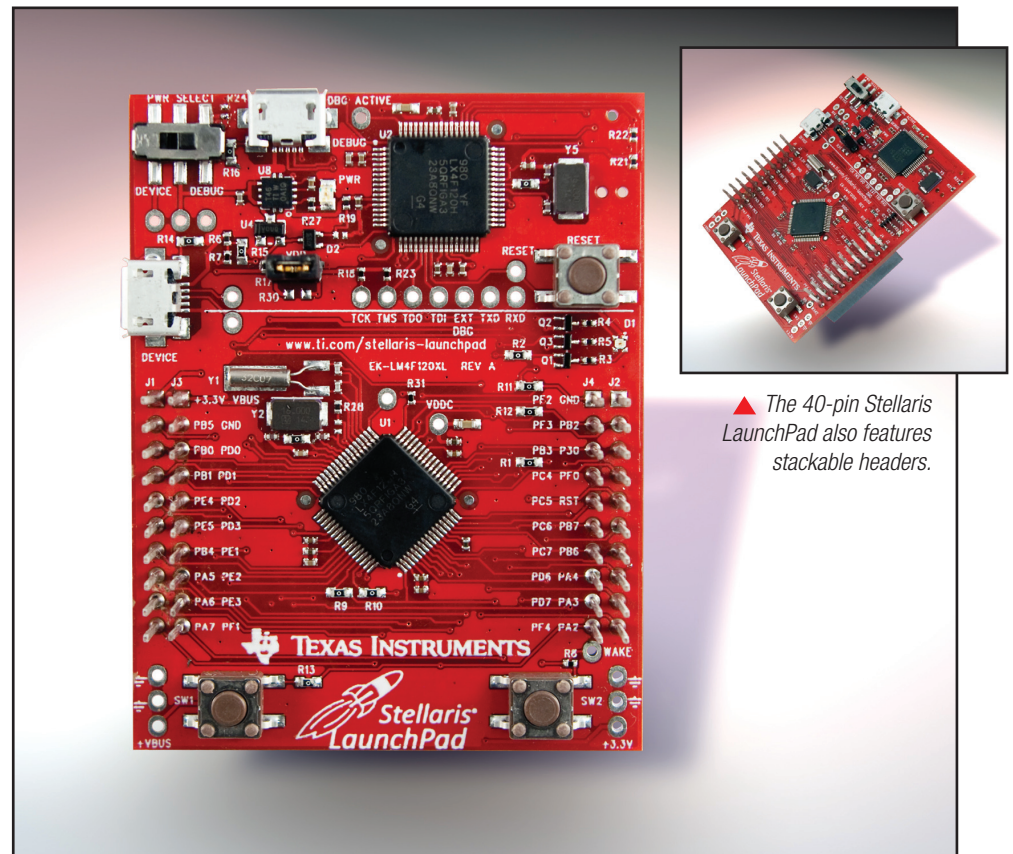
- On-board Stellaris In-Circuit Debug Interface (ICDI)
- USB Micro-B plug to USB-A plug cable
- *README First* document

For a complete list of available BoosterPacks that can be used with the Stellaris LaunchPad, see:

[www.ti.com/stellaris-launchpad](http://www.ti.com/stellaris-launchpad)

## Features

- Stellaris LM4F120H5QR microcontroller
- USB Micro-B connector for device
- RGB user LED
- Two user switches (application/wake)
- Available I/O brought out to headers on a 0.1" grid
- On-board Stellaris In-Circuit Debug Interface (ICDI)
- Switch-selectable power sources
  - ICDI
  - USB Device
- Reset switch
- Preloaded RGB quickstart application
- Supported by StellarisWare® software including the USB library and the peripheral driver library
- Stellaris LM4F120 LaunchPad BoosterPack XL interface which features stackable headers to expand the capabilities of the 40-pin Stellaris LaunchPad evaluation platform



▲ The 40-pin Stellaris LaunchPad also features stackable headers.

▲ Stellaris LM4F120 LaunchPad evaluation kit

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