



# OM13055

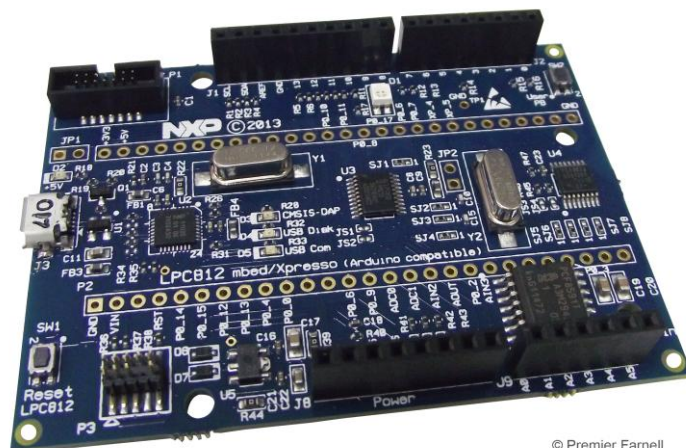
## LPCXpresso812-MAX Board for LPC81x family MCUs

### Demo board description

The LPCXpresso812-MAX board with NXP's LPC812 Cortex-M0+ microcontroller is designed to make it as easy as possible to get started with your project.

LPCXpresso™ is a low-cost development platform available from NXP, supporting NXP's ARM-based microcontrollers. The platform is comprised of a simplified Eclipse-based IDE and low-cost target boards which include an attached JTAG debugger. LPCXpresso is an end-to-end solution enabling embedded engineers to develop their applications from initial evaluation to final production.

The order code for this board is OM13055.



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### Features

- Fully supported by LPCXpresso Eclipse-based IDE and GNU C/C++ toolchain, available in free and Pro versions
- Works with by Keil, IAR and other toolchains with CMSIS-DAP support
- Integrated JTAG Debugger which can also be used to debug external target
- LPCXpresso / mbed and Arduino UNO expansion connectors give simple access to a wide range of available expansion boards
- Embedded Artists 14-pin expansion connector
- Tri-color LED
- On-board ADC
- Reset and User interrupt buttons for easy testing of software functionality

### Descriptive Summary

#### Overview:

The LPCXpresso812-MAX includes a standard 10-pin JTAG/SWD connector plus analog/digital expansion headers, making it a highly extensible platform. Headers conforming to the LPCXpresso™, Arduino UNO and Embedded Artists' 14-pin expansion connector standards give several options to developers wanting to leverage existing peripheral boards.

The LPCXpresso812-MAX can be configured to use external debug probes from Keil, IAR and other development tools that support CMSIS-DAP.

#### Kit content:

- LPCXpresso812-MAX Development Board