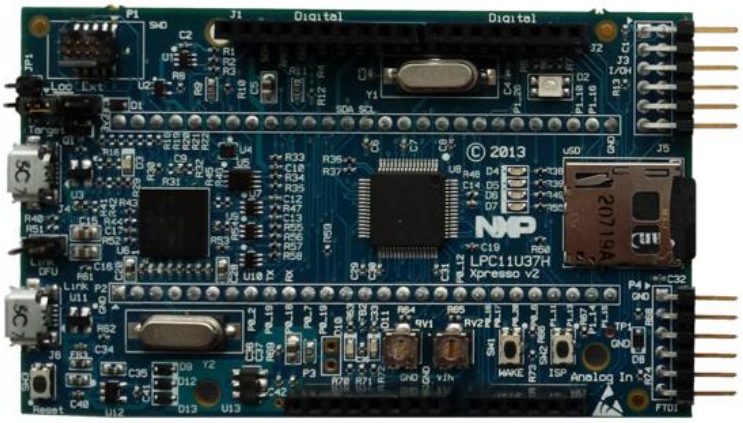
OM13074

LPCXpresso board for LPC11U37H

Demo board description



The LPCXpresso LPC11U37H board is an extended variant of the standard LPCXpresso V2 board, designed to allow evaluation of the LPC11U37HFBD64 and 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.

Features

- On-board LPC-Link2 based debug probe, based on an NXP LPC4322 MCU; compatible with LPCXpresso IDE out-of-the-box, and with other tool-chains via optional ARM CMSIS-DAP and Segger J-Link firmware download
- Debug connector to allow debug of target MCU via an external probe
- Can be configured to act as a standalone probe to allowing debugging of an external board
- Tri-color LED, ISP and WAKE buttons
- Connector for target MCU’s USB device peripheral
- MCU pins available on standard LPCXpresso/mbed expansion connector (board bottom side)
- Arduino connectors compatible with the "Arduino UNO" platform (board top side)
- P3 allows measurement of current of all target side circuitry
- Micro SD card slot
- UART connector, for use with 6-pin FTDI cable (TTL-232R-3V3) compatible (cable not included)

Descriptive Summary

Overview

The LPCXpresso LPC11U37H board includes a standard 10-pin JTAG/SWD connector plus analog/digital expansion headers, making it a highly extensible platform

Demo Box Contents Include:

- LPCXpresso LPC11U37H board