**Embedded Artists**

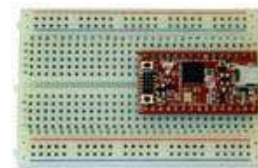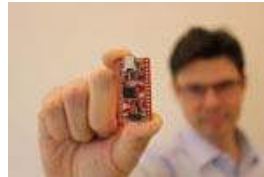About Us          Products          Services          Support          Projects          Web Shop

**Products**

› Board Comparison Chart

» Developer's Kits

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↓ QuickStart Boards

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# LPC1343 QuickStart Board

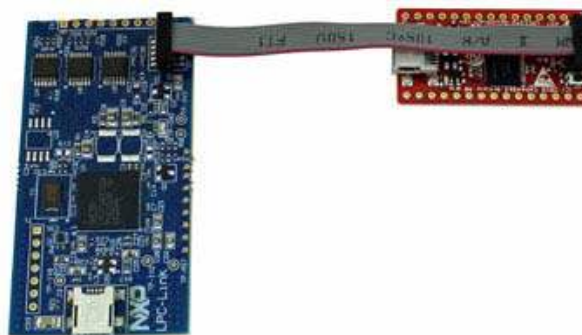| Price Information |
| --- |
| EUR |
| Art.no: EA-QSB-012  Buy |

Embedded Artists' LPC1343 QuickStart Board lets you get up-and-running quickly with NXP's Cortex-M3 LPC1343 microcontroller. The small sized board offers many features that ease your learning curve and speed up your program development.

## Easy usage

Download code to the board by using:

- The USB-ISP mode where the board will enumerate as a USB Mass storage device on a Windows PC. Just copy the compiled binary file to the storage device.
- Use the free LPCXpresso IDE/Debugger together with, for example, an LPC-Link, a 10-pos IDC Ribbon cable and connect to the SWD interface (10-pin JTAG connector) on the board, see figure below. This allows you to both download and debug code on the board.

- Use a debugger and JTAG adapter of your choice which supports the Cortex-M3 ARM core and more specifically the NXP LPC1343 microcontroller. You might need an adapter such as the 10-pin to 20-pin JTAG Adpater Kit between your JTAG solution and the target board.

| Overview | Specification | MCU | Related Products | Resources | FAQ |

## LPC1343 QuickStart Board

| | |
|---|---|
| *Processor* | NXP's Cortex-M3 LPC1343 microcontroller in 33-pin HVQFN package. |
| *Program Flash* | 32 KB |
| *Data Memory* | 8 KB |
| *Clock Crystals* | 12.000 MHz crystal for maximum execution speed and standard serial bit rates, including USB requirements. The LPC1343 runs at frequencies up to 72 MHz. |
| *Interfaces / Connectors* | • All LPC1343 I/O pins are available on edge expansion connectors, in DIL-30 structure suitable for bread board prototyping (dual 15 pos, 100 mil/2.54 mm pitch rows, 700 mil/17.78 mm apart).<br>• On-board USB Device interface, with mini-B USB connector and proper ESD protection. |
| *Dimensions* | 21 x 40 mm |
| *Power* | Flexible powering, with on-board 150mA 3.3V voltage regulator (can be powered from USB connector or an external +5V supply). |
| *Connectors* | • All LPC1343 I/O pins are available on connectors.<br>• mini-B USB connector.<br>• SWD/JTAG connector (0 mil/1.27 mm pitch, standard SWD/JTAG connector). |
| *Other* | • 32 Kbit I2C E2PROM for storing non-volatile parameters.<br>• Onboard reset generation and reset push-button.<br>• Push-button for enabling Bootloader mode of the LPC1343.<br>• LED on pin PIO0_7.<br>• 2 pcs 1x15 pinlists included, but not soldered. |