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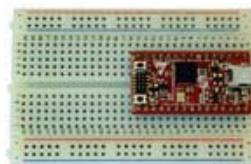
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## LPC1343 QuickStart Board



<b>Price Information</b>
<b>EUR</b>
Art.no: <b>EA-OSB-012</b> <a href="#">Buy</a>

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 Adapter Kit](#) between your JTAG solution and the target board.

- |                          |                                      |                     |                                  |                           |                     |
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## LPC1343 QuickStart Board

<i>Processor</i>	<u>NXP's Cortex-M3 LPC1343 microcontroller</u> in 33-pin HVQFN package.
<i>Program Flash</i>	32 KB
<i>Data Memory</i>	8 KB
<i>Clock Crystals</i>	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.
<i>Interfaces / Connectors</i>	<ul style="list-style-type: none"><li>• 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).</li><li>• On-board USB Device interface, with mini-B USB connector and proper ESD protection.</li></ul>
<i>Dimensions</i>	21 x 40 mm
<i>Power</i>	Flexible powering, with on-board 150mA 3.3V voltage regulator (can be powered from USB connector or an external +5V supply).
<i>Connectors</i>	<ul style="list-style-type: none"><li>• All LPC1343 I/O pins are available on connectors.</li><li>• mini-B USB connector.</li><li>• SWD/JTAG connector (0 mil/1.27 mm pitch, standard SWD/JTAG connector).</li></ul>
<i>Other</i>	<ul style="list-style-type: none"><li>• 32 Kbit I2C E2PROM for storing non-volatile parameters.</li><li>• Onboard reset generation and reset push-button.</li><li>• Push-button for enabling Bootloader mode of the LPC1343.</li><li>• LED on pin PIO0_7.</li><li>• <b>2 pcs 1x15 pinlists included</b>, but not soldered.</li></ul>