



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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About Us

Products

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Support

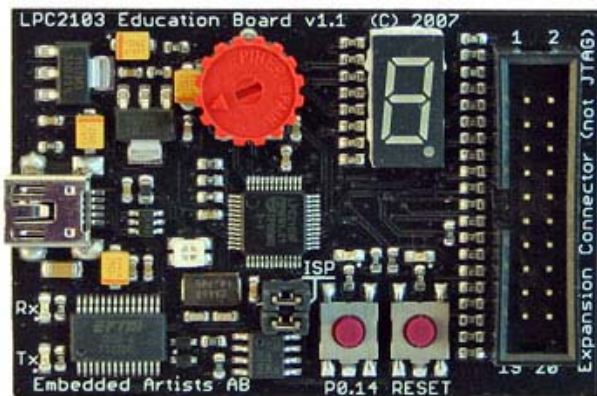
Projects

Web Shop

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LPC2103 Education Board



Start learning more about ARM7 processors in general and the LPC2103 microcontroller in particular using Embedded Artists' **LPC2103 Education Board**.

Price Information

Volume discount available for 10 boards, or more, see web shop

Art.no: **EA-EDU-009** **Buy**

Experiment Board

An Experiment expansion board is available, see Related Products tab.

Overview	Specification	MCU	Related Products	Resources	FAQ
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LPC2103 Education Board

<i>Processor</i>	NXP's ARM7TDMI LPC2103 microcontroller
<i>Program Flash</i>	32 KB
<i>Data Memory</i>	8 KB
<i>Clock Crystal</i>	14.7456 MHz crystal
<i>On-board Peripherals</i>	<ul style="list-style-type: none"> • USB-to-serial bridge interface on UART # 0 • Analog input (via trimmer potentiometer) • 7-segment LED display • RGB-LED, each color can be controlled via PWM signal • 2 LEDs (on P0.14 and Reset signal) • Pushbutton on P0.14 • Reset button • 2 Kbit I2C-E2PROM • 20 pos expansion connector
<i>Dimensions</i>	Only 68 x 42 mm
<i>Power</i>	On-board low-dropout voltage and reset generation <ul style="list-style-type: none"> • Generates +3.3V and +1.95V • +3.3V available for external circuits, up to 300 mA • Powered via USB connector.
<i>Connectors</i>	<ul style="list-style-type: none"> • mini-B USB, USB-to-serial bridge interface • 20-pos expansion connector
<i>Other</i>	<ul style="list-style-type: none"> • Simple and automatic program download (ISP) via USB-serial channel. Circuit that automatically controls the bootloader from USB-serial channel • Four layer PCB (FR-4 material) for best noise immunity • Delivered with 20 pos flat cable for explanation connector