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!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

LPC2138 Education Board

Products

› Board Comparison Chart

» Developer's Kits

» OEM Boards

» QuickStart Boards

↓ Education Boards

› LPC2103 Edu board
› LPC2138 Edu board
› LPC2148 (v3) Edu board
› Experiment board
› LPC2148 (v2) Edu board
› Expansion - Ethernet
› Expansion - Prototype
› Expansion - MP3
› Expansion - UART

» LPCXpresso & mbed

» Displays

» Tools

» Accessories

Price Information

Volume discount available for 25 boards, or more, see web shop

Art.no: **EA-EDU-010** **Buy**

Experiment Board

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

Embedded Artists' **LPC2138 Education Board** is the perfect board if you want to experiment with own hardware on the breadboard and get to know the NXP LPC2xxx family in general and the LPC2138 in particular.

Overview **Specification** MCU Related Products Resources FAQ

LPC2138 Education Board

Processor	NXP's ARM7TDMI LPC2138 microcontroller
Program Flash	512 KB
Data Memory	32 KB
Clock Crystals	• 14.7456 MHz crystal • 32.768 kHz RTC crystal
On-board Peripherals	• Audio interface via 3.5mm headphone and microphone connectors • UART-to-USB bridge interface on UART #0 (based on FTDI FT2232 chip) • OpenOCD compatible embedded JTAG interface (based on FTDI FT2232 chip) • Analog input (via trimmer potentiometer) • Digi/MaxStream XBee™ module interface (module not included) • RGB-LED, each color can be controlled via PWM signal • 5 LEDs (on P0.14 and P1.20-23) • 5 Pushbuttons (on P0.14 and P1.16-19) • Reset pushbutton + LED • 2 Kbit I2C-E2PROM • 50 pos expansion connector

Dimensions	127 x 120 mm
Power	On-board low-dropout voltage and reset generation • Generates +3.3V • +3.3V available for external circuits, up to 400 mA • Powered via USB connector.
Connectors	• mini-B USB, USB-to-serial bridge interface • JTAG (can override the embedded OpenOCD interface) • 32-pos expansion connector to breadboard experiment area • 50-pos expansion connector
Other	• 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 50 pos flat cable for explansion connector • Delivered with component box and bread board cables

© Embedded Artists Legal Information Privacy Statement **The Art of Embedded Systems Development - made Easy ™**