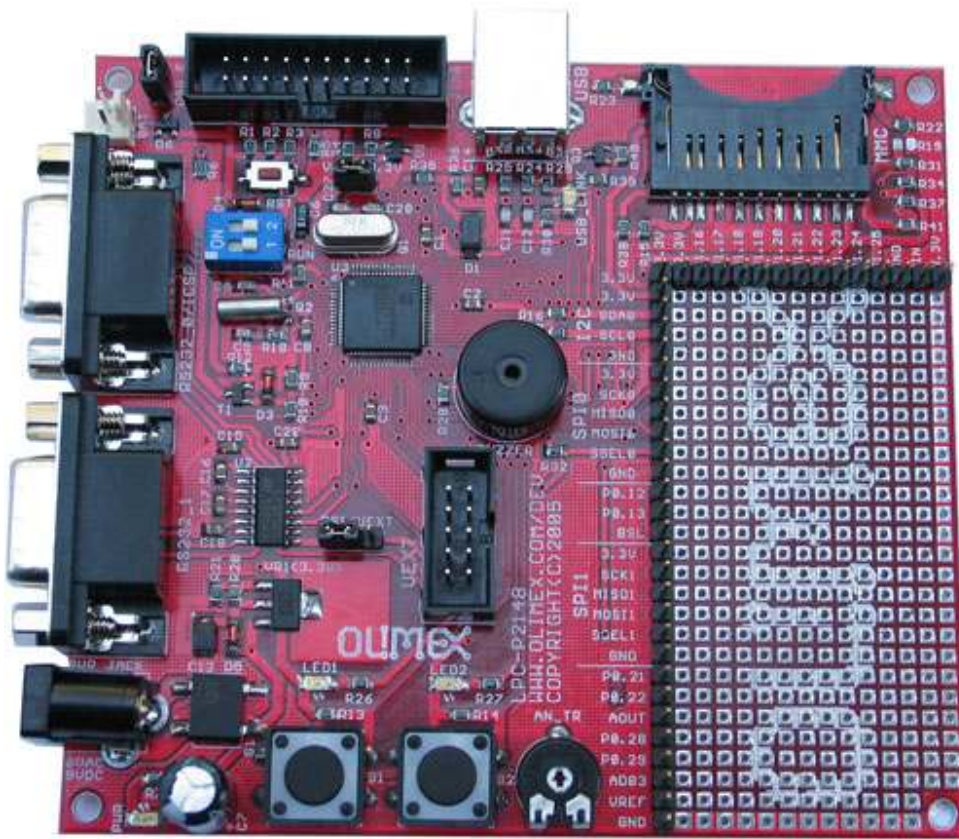


LPC-P2148 PROTOTYPE FOR LPC2148 ARM7TDMI-S MICROCONTROLLER



FEATURES:

1. MCU: **LPC2148** 16/32 bit ARM7TDMI-S™ with 512K Bytes Program Flash, 42K Bytes RAM, USB 2.0, RTC, 10 bit ADC 2.44 uS, 2x UARTs, 2x I2C, SPI, 2x 32bit TIMERS, 6x PWM, 8x CCR, 1x DAC, WDT, 5V tolerant I/O, up to 60MHz operation
2. standard JTAG connector with ARM 2x10 pin layout for programming/debugging with ARM-JTAG
3. USB connector, USB link LED
4. Two channel RS232 interface and drivers
5. SD/MMC card connector
6. two buttons
7. trimpot connected to ADC
8. two status LEDs
9. Buzzer
10. UEXT - 10 pin extension connector for Olimex addon peripherals like MP3, RF2.4Ghz, RFID etc. modules
11. 2x SPI connectors
12. I2C connector
13. on board voltage regulator 3.3V with up to 800mA current
14. single power supply: 6V AC or DC required
15. power supply LED
16. power supply filtering capacitor
17. RESET circuit with external control of Philips ISP utility via RS232
18. RESET button
19. DBG, BSL slide switch
20. JRST jumper for enable/disable external RESET control by RS232
21. 12 Mhz crystal on socket
22. 32768 Hz crystal and RTC backup battery connector
23. extension headers for all uC ports
24. PCB: FR-4, 1.5 mm (0,062"), green soldermask, white silkscreen component print
25. Dimensions: 110 x 100 mm (4.3 x 3.9 ")

DOCUMENTS:

1. [LPC-P2148.pdf](#)

HARDWARE:

1. [LPC-P2148 REV.D schematic](#)

SOFTWARE:

<http://olimex.com/dev/lpc-p2148.html>