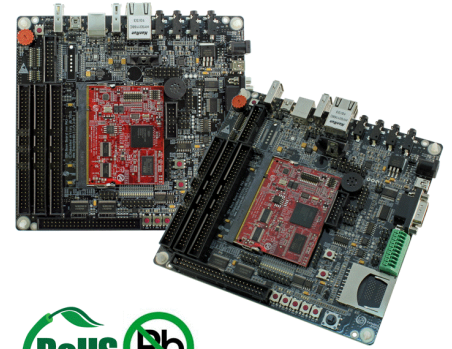


OM13001

EA LPC1788 Evaluation Board

Demo board description

The EA LPC177x/8x Evaluation Board allows you to quickly and easily evaluate the LPC177x/8x family of microcontrollers. The microcontroller, board, and the accompanying features make it a great starting point for your next Cortex-M3 project. Populated with the LPC1788 to demonstrate LPC177x/8x features.



Features

- Program Flash: 128 MB NAND FLASH + 512 kB internal
- Data Memory: 32 MB SDRAM + 96 KB internal
- Ethernet: 100/10M Ethernet interface based on SMSC LAN8720 Ethernet PHY
- Clock Crystals: 12.000 MHz crystal for CPU , 32.768 kHz crystal for RTC
- Connectors: 200 pos expansion connector (SODIMM standard), 0.6 mm pitch
- Other: 256 Kbit I2C E2PROM for storing



Descriptive summary

EA LPC1788 Developer's Kit

Embedded Artists' LPC1788 Developer's Kit lets you get up-and-running quickly with the LPC1788 OEM Board. The LPC1788 OEM Board is equipped with NXP's Cortex-M3 based LPC1788 microcontroller suitable for a wide range of applications that require advanced communication and high quality graphic displays. The OEM board ships with an LPC1788 device that is a superset of several other device variants of the NXP LPC177x/8x microcontroller series.

Demo Box Contents

- One LPC1788 OEM Board
- One OEM Base Board
- One USB cable, type A to mini-B
- Headset with microphone
- Serial number that gives you access to the EA's support site for this product, which includes:
 - User's Manual
 - LPC1788 OEM Board Datasheet
 - LPC1788 OEM Board Schematics
 - OEM Base Board Schematics
 - Links to datasheets for key components
 - Software examples