OM13063
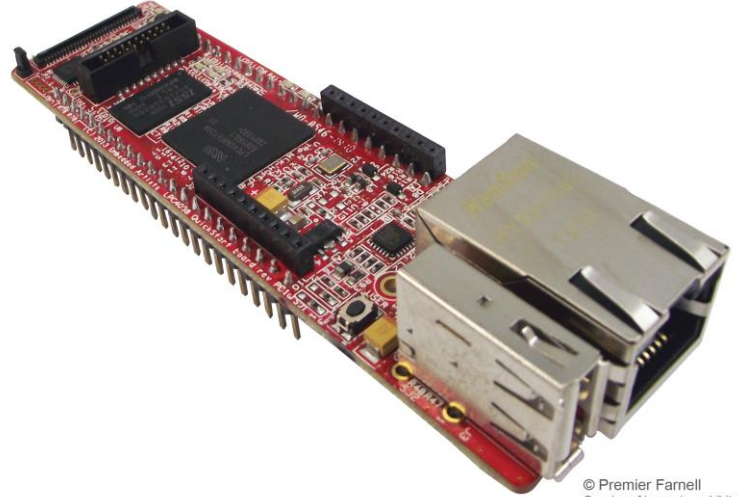**Quickstart Board for LPC4088**

Demo board description

Embedded Artists' LPC4088 QuickStart Board is an easy to use ARM Cortex-M4 rapid prototyping board in a standard through hole DIP package (44-pin), targeted at high-performance as well as low-power applications. Communication interfaces, large on-board memories and LCD controller enables graphical user inteface applications. The LPC4088 QuickStart Board is mbed Enabled, to take full advantage of the mbed platform.

Features

- NXP's Cortex-M4 LPC4088 microcontroller in a BGA package, running at up to 120 MHz
- 8 MB Quad SPI and 512 kB on-chip program flash
- 32 MB SDRAM (x32 bit databus for high handwidth access), 96 kB on-chip SRAM and 4 kB on-chip E²PROM data memory
- 12 MHz main and 32.768 kHz RTC crystals
- 10/100 Mbps Ethernet (RJ45)
- USB Host (A type) and Device (micro-B) interfaces
- mbed HDG debug interface
- 20 pin SWD/Trace connector (ARM standard debug connector)
- 61 pin 0.3 mm pitch FPC connector for display expansion
- 20 pin XBee compatible connector for RF module add-on
- CMSIS-DAP Interface On-board (debug interface functions)

Descriptive Summary

Demo Box Contents:
- 1 x LPC4088 QuickStart Board
- 1 x USB cable