Product Name :	**Product Code :**
ARM 7 Development Board LPC2148 for Embedded System Trainers Teaching Labs	EMB-TR-09

Description :

ARM 7 Development Board LPC2148 - ARM 7 Development Board LPC2148 Technologies ARM7 Development Platform
(Nvis 5004A) serves as a 32 bit development platform and provides means
for code development. This platform is designed for students to explore
ARM architecture and supporting peripherals provide an ideal platform
for extensive embedded development. The Nvis 5004A provides serial and
USB connection both, that can be used to download and run code on any
standard IDE and allows users to evaluate, prototype and create
application specific designs.

LPC2148 (ARM7TDMI 32 Bit) MCU clocked at 12 MHz

Expansion connectors for plug in modules and prototyping area

8 kB to 40 kB of on-chip static RAM and 32 kB to 512 kB of on-chip flash

memory;128 bit wide interface/accelerator enables high-speed 60 MHz operation

On platform Flash download utility (programmer) for Philips Microcontrollers

USB & RS232 both interface given for programming

USB 2.0 Full-speed compliant device controller with 2 kB of endpoint RAM

LPC2146/48 provides 8 kB of on-chip RAM accessible to USB by DMA

Every pin is marked in order to make work easier

Master Reset/Restart Key for hardware reset

RTOS supported

On platform UART 0 and UART 1 Interface

On platform ADC (10 Bit) Interface

On platform 10-bit DAC provides variable analog output

On platform PWM Interface

On platform facility to connect JTAG debugger

On platform GPIO Connectors

60 MHz maximum CPU clock available from programmable on-chip PLL with settling time of 100 ?s

On-chip integrated oscillator operates with an external crystal from 1 MHz to 25 MHz

Power saving modes include idle and Power-down

Input/Output & test points provided on platform

On platform four external interrupts interface

Self contained development platform with on platform DC Power Supply

CD with sample project code, Programmer software & useful documents

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