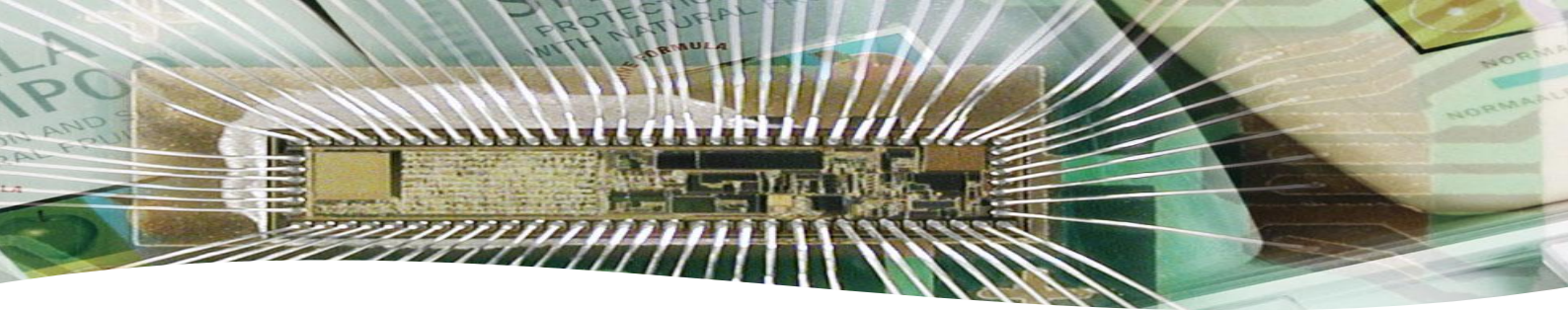


INTRODUCTION

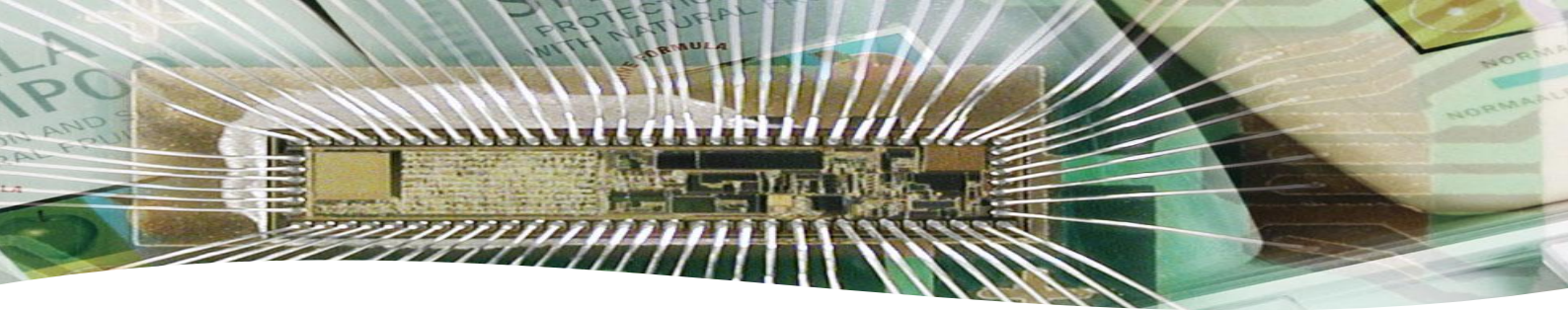
- ▶ The ARM7TDMI based BA-ARM (armB) evaluation board allows you to generate and test application programs for the NXP (formerly Philips) LPC24xx microcontroller family.
- ▶ The armB evaluation board has been shipped with the LPC2468 device and contains all the hardware components required in a single-chip LPC24xx system.



FEATURES

The armB board contains an NXP LPC2468 microcontroller with 512KB on-chip Flash and 96KB on-chip RAM. In addition, the armB board contains the following components:

- ▶ **External Flash**
128MB NAND Flash plus 8MB NOR Flash.
- ▶ **External RAM**
32MB SDRAM.
- ▶ **Crystals**
12.0000 MHz for MCU, CAN and USB.
32.768 KHz for Real-Time Clock.
- ▶ **10/100M Ethernet**
National DP83848C Ethernet PHY/Transceiver.
- ▶ **24 bit codec**
UDA 1344TS codec.
- ▶ **IrDA**
TFDU4001 IrDA transceiver.
- ▶ **Mono 128x64 GLCD**
A detachable, 128x64 GLCD is accessible via 8-bit parallel interface.
- ▶ **2 Serial Ports**
2 standard DB9 connectors are included on the armB board for the LPC2468's built-in UART interfaces.



▶ **CAN Port**

A RJ45 connector is included on the armB board for CAN communications.

▶ **10/100M Ethernet Port**

A standard RJ45 connector on the armB, which is connected to the Ethernet transceiver on the armB board, is used for applications requiring Ethernet communications.

▶ **USB Ports**

Standard USB connectors for USB Device and USB Host on the ARM-B board are included for applications requiring USB communications.

▶ **SD/MMC Card Connector**

An SD/MMC Card connector is used for developing applications requiring access to SD/MMC Cards.

▶ **Audio connectors**

2 audio connectors (auxiliary and line out) that is connected to the Audio codec for application requiring audio processing.

▶ **PS/2 Connector**

A PS/2 connector connects directly to the LPC2468.

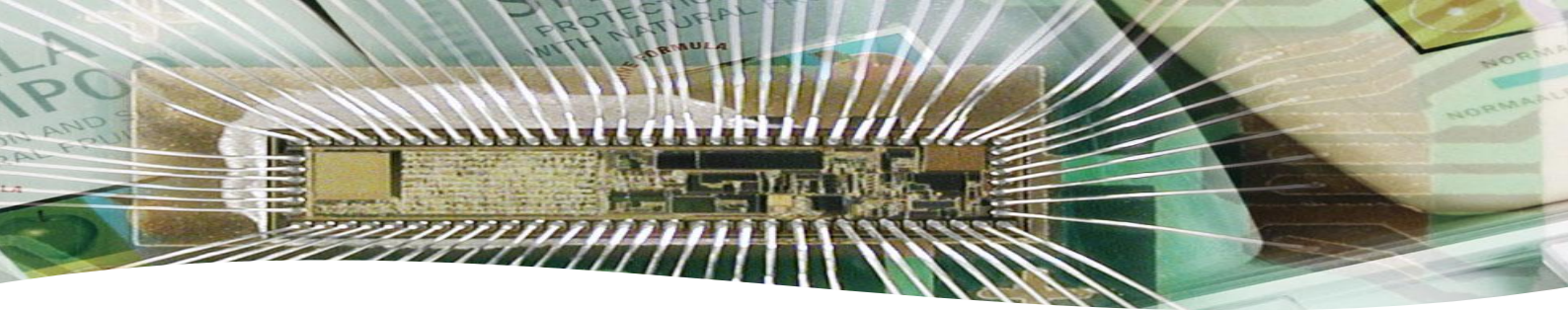
▶ **A/D and D/A connectors**

2 connectors connect directly to the LPC2468.

▶ **PWM connector**

6 PWM channel connect directly to the LPC2468.

▶ **JTAG Download and Debug**



A JTAG interface allows programming the flash and debugging.

KIT CONTENTS

- ▶ armB base board.
- ▶ 128x64 Graphic LCD.
- ▶ DB-9 RS-232 cable.
- ▶ USB cable.
- ▶ Wiggler type debugger.
- ▶ Cross over Ethernet cable.
- ▶ CD: Eclipse IDE, Yagarto tool chain, H-Jtag, Flash Magic, Example programs for the ARM-B Board, ARM-B Board User's Manual.