

# **LPC4088 Display Module Board Identification**

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# 1 Introduction

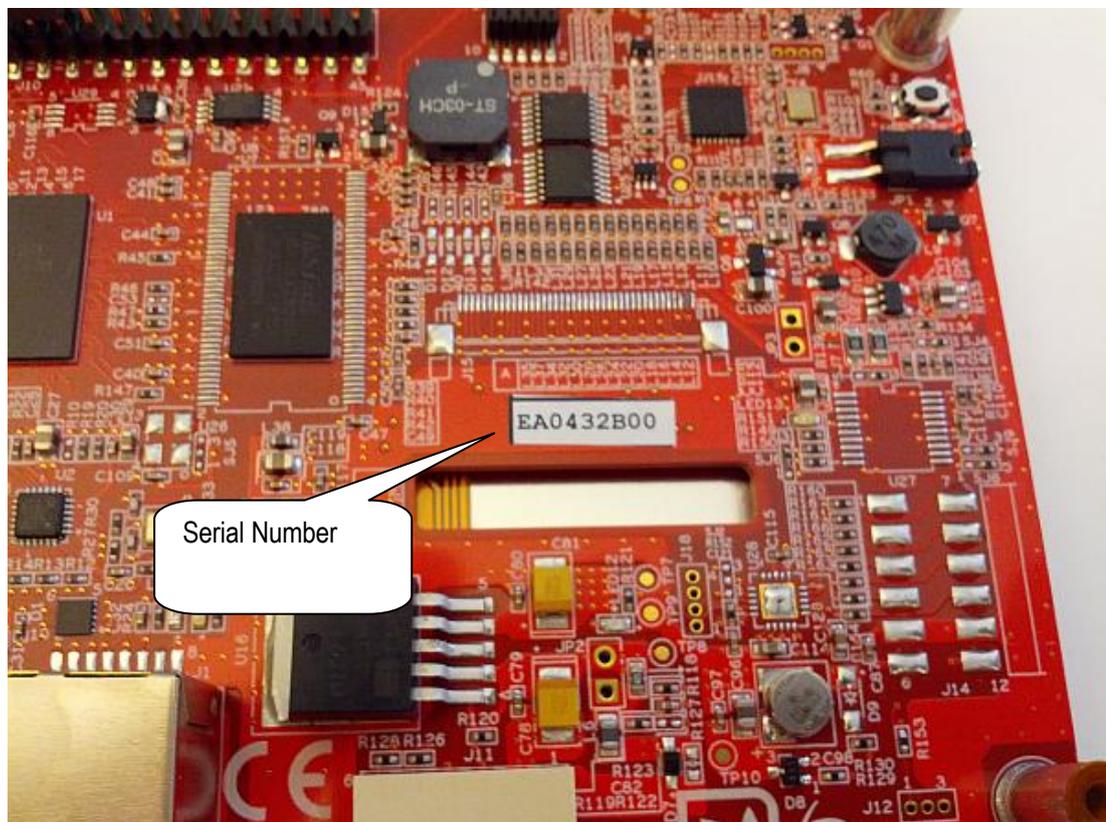
The LPC4088 Display Modules come with different display options and may have different revisions of the circuit board. All these changes/combinations are handled in the BIOS software, including the display and touch controller initialization code.

Instructions on how to update the BIOS can be found here: <http://www.embeddedartists.com/node/375>. This document will help you find out which board type you have so that you can select the correct BIOS file to flash.

## 2 Board Identification

### 2.1 Serial Number Sticker

All LPC4088 Display Modules come with a serial number sticker on the back of the board like this:



All serial numbers are listed on the support page (<http://www.embeddedartists.com/node/375>) so that it is easy to find the correct BIOS file. Look for a table like this:

Board Type	Serial Number	BIOS File	Version
BOARD1	EA0431A00	<a href="#">bios_flasher_BOARD1_2015-04-28.bin</a>	v0.5.0
BOARD3	EA0501A00	<a href="#">bios_flasher_BOARD3_2015-04-28.bin</a>	v0.5.0
BOARD5	EA0432B00	<a href="#">bios_flasher_BOARD5_2015-04-28.bin</a>	v0.5.0

## 2.2 Software

If your serial number sticker has fallen off then this can be an option.

If you have the original BIOS then it is possible to use one of the methods described in <http://developer.mbed.org/teams/Embedded-Artists/wiki/LPC4088DM-BIOS#which-version-is-on-my-board> to find out which BIOS version is currently used on the display module and which board type you have.

All board types are listed on the support page (<http://www.embeddedartists.com/node/375>) so that it is easy to find the correct BIOS file. Look for a table like this:

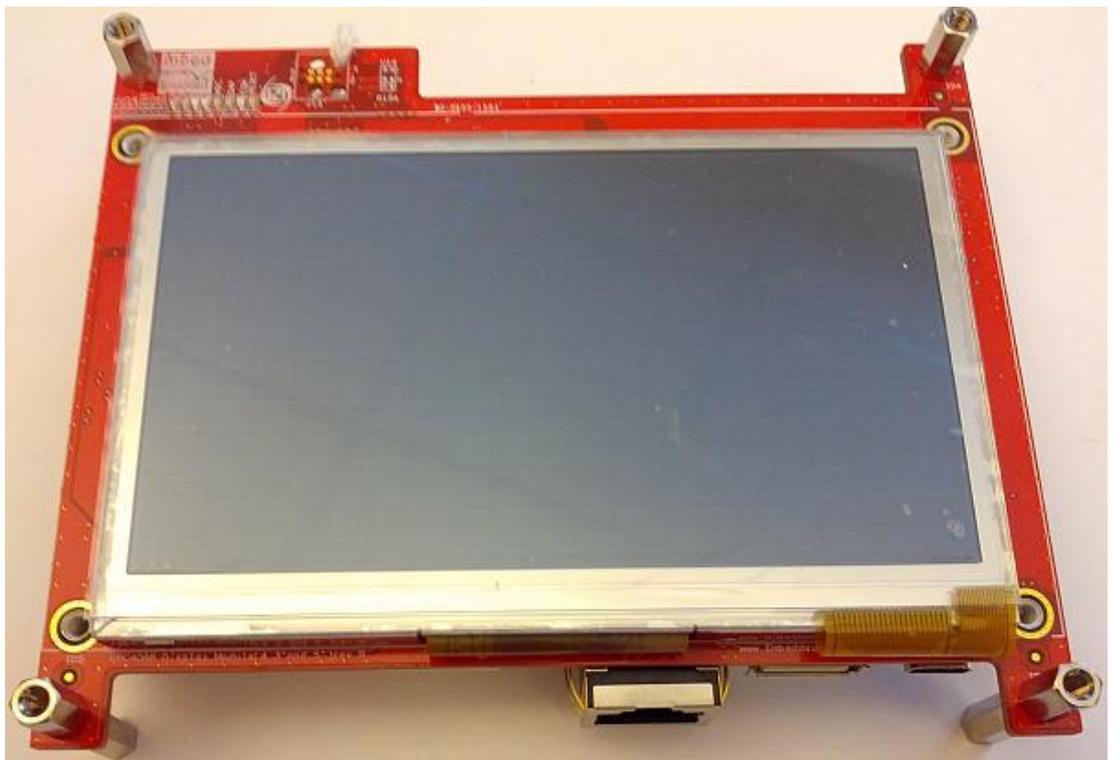
Board Type	Serial Number	BIOS File	Version
BOARD1	EA0431A00	<a href="#">bios_flasher_BOARD1_2015-04-28.bin</a>	v0.5.0
BOARD3	EA0501A00	<a href="#">bios_flasher_BOARD3_2015-04-28.bin</a>	v0.5.0
BOARD5	EA0432B00	<a href="#">bios_flasher_BOARD5_2015-04-28.bin</a>	v0.5.0

### 2.3 Last Resort

If the serial number sticker is missing and you cannot get the BIOS information from the software then the last option is to send an email to [support@embeddedartists.com](mailto:support@embeddedartists.com) asking us to help you identify your display module.

To do this you need to:

- 1) Take a picture of your display module like this:



It is very important that the full display is visible, including the cables connecting the display to the board.

- 2) Note the work order number (or take a photo of it). It is printed on the board above the display and is always WO-<four digits>-<four digits> like this:



- 3) Send an email to [support@embeddedartists.com](mailto:support@embeddedartists.com) and include the photo(s) and the work order number.