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Raspberry Pi 4 Model B

PCN 45 – Dual RAM variant

Colophon

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Release	1
Build date	30/01/2026
Build version	27d923624cde

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Document version history

Release	Date	Description
1	30 Jan 2026	Initial release

Product Change Notification

Notification ID

45

Notification date

30 Jan 2026

Title

Update of Raspberry Pi 4 Model B (all variants) PCB to support dual DRAM modules.

Products Affected

Raspberry Pi 4 Model B

Reason for Change

Dual DRAM device variant to allow DRAM supply chain flexibility. Manufacturing process improvement (this new revision uses intrusive reflow soldering).

Change Description

The PCB has been revised to include a second site for DRAM placement on the rear of the board, and to allow for intrusive reflow soldering during manufacture.

Old PCB revision: 9

New PCB revision: 13a

New software model number: 1.5

Raspberry Pi Ltd have extensively tested and qualified alternatives which closely match the original parts in terms of specification and performance.

Mechanical (Form, Fit, Function) Changes

There is now a 2nd LPDDR4 device on the underside of the PCB and some small passive components have moved to accommodate this addition.

Electrical

None

Software/Firmware Changes Required

This new product revision is supported in bootloader versions from 9 Jan 2026 onwards. (pieeprom-2026-01-09.bin)

The bootloader version and date can be queried by running ‘vcgencmd version’ from the Raspberry Pi OS command line.

Raspberry Pi Ltd always recommend using the latest version of bootloader and Linux kernel, wherever that is practical.

Use Raspberry Pi Imager to create a new SD card with the latest Raspberry Pi OS, or use the following to upgrade an existing system:

```
Code
sudo apt update
sudo apt full-upgrade
```

Transition Date(s)

Feb 2026

Any RAM size SKU may be built as this dual chip variant and there will be a mix of dual and single chip boards in production. For a list of possible RAM chips in use, please see PCN 46, Raspberry Pi 4 Model B, Alternative sources of RAM.

Identification Method to Distinguish Change

On a running board with the latest Raspberry Pi OS `cat /proc/cpuinfo` will report “Model” as “Raspberry Pi 4 Model B Rev 1.5”

The new product can also be distinguished by examination. The new revision PCB has an additional RAM chip on the rear of the board and has the date 2025 silkscreened on the front of the board.

This revision of the PCB is designed for intrusive reflow manufacture so there may also be visible differences in the soldering.

Figure 1.
Front of board

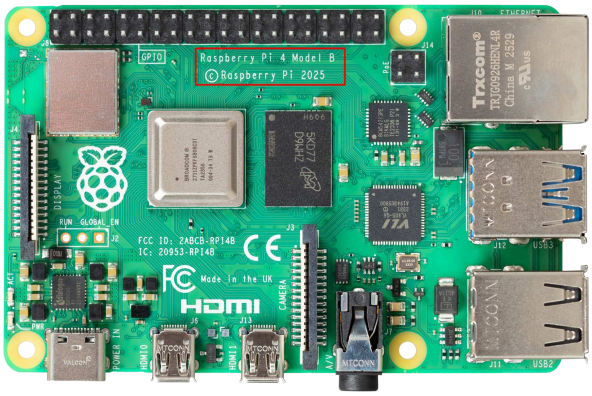
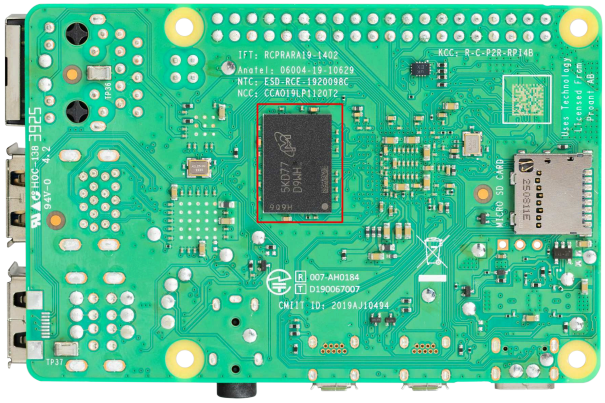


Figure 2.
Rear of board



Contact Details for more information

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