PCN 22
Raspberry Pi 5 Revision 4 PCB

Raspberry Pi Ltd

Colophon

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build-date: 2024-08-19
build-version: githash: cd45f62-clean

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Document version history

Release	Date	Description
1.0	19 Aug 2024	• Initial release

Product Change Notification

Notification ID

22

Notification date

19th August 2024

Title

Change of Raspberry Pi 5 PCB to Revision 4.

Products Affected

Raspberry Pi 5

Reason for Change

Minor changes to the board for Design for Manufacturing (DFM).

Support for the D0 stepping of the BCM2712 SoC.

Change Description

Old PCB revision: 3

Old software model number: 1.0

New PCB revision: 4

New software model number: 1.1

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

No mechanical changes.

Electrical

No functional changes.

Software/Firmware Changes Required

This new product revision is supported in firmware versions from March 2024 onwards, and Linux kernels from v6.6.x (March 2024) onwards.

Raspberry Pi Ltd always recommend using the latest version of firmware 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:

```
sudo apt update
sudo apt full-upgrade
```
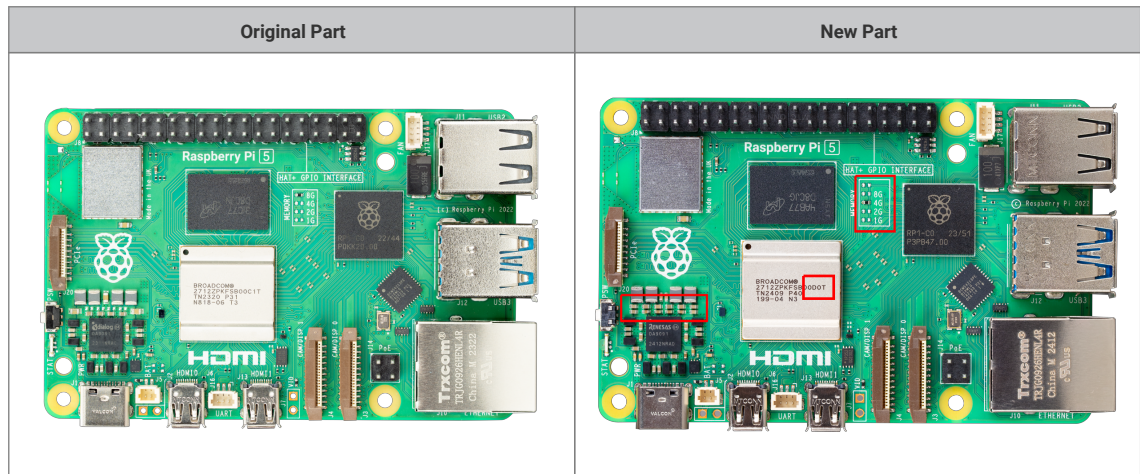
Transition Date(s)

August 2024

There will be a transition period where both old and new units are available in the distribution channel.

Identification Method to Distinguish Change

The new product can be distinguished by examination of the PCB. The revision 4 board has an extra link option in the memory box silkscreen on the top face of the PCB. There are now 6 similar components above the Dialog PMIC rather than 4. The final characters on the BRCM2812 device will contain D0.

See the red boxed areas on the images below for details.

Original Part	New Part

Contact Details for more information

Please contact applications@raspberrypi.com if you have any queries about this PCN.

Web: www.raspberrypi.com