
PCN
Raspberry Pi 3B+ Revision 9 PCB

Raspberry Pi Ltd

2022-04-13: githash: b2338cf-clean

Colophon

© 2020-2022 Raspberry Pi Ltd

build-date: 2022-04-13

build-version: githash: b2338cf-clean

Legal Disclaimer Notice

TECHNICAL AND RELIABILITY DATA FOR RASPBERRY PI PRODUCTS (INCLUDING DATASHEETS) AS MODIFIED FROM TIME TO TIME ("RESOURCES") ARE PROVIDED BY RASPBERRY PI LTD ("RPL") "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW IN NO EVENT SHALL RPL BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THE RESOURCES, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

RPL reserves the right to make any enhancements, improvements, corrections or any other modifications to the RESOURCES or any products described in them at any time and without further notice.

The RESOURCES are intended for skilled users with suitable levels of design knowledge. Users are solely responsible for their selection and use of the RESOURCES and any application of the products described in them. User agrees to indemnify and hold RPL harmless against all liabilities, costs, damages or other losses arising out of their use of the RESOURCES.

RPL grants users permission to use the RESOURCES solely in conjunction with the Raspberry Pi products. All other use of the RESOURCES is prohibited. No licence is granted to any other RPL or other third party intellectual property right.

HIGH RISK ACTIVITIES. Raspberry Pi products are not designed, manufactured or intended for use in hazardous environments requiring fail safe performance, such as in the operation of nuclear facilities, aircraft navigation or communication systems, air traffic control, weapons systems or safety-critical applications (including life support systems and other medical devices), in which the failure of the products could lead directly to death, personal injury or severe physical or environmental damage ("High Risk Activities"). RPL specifically disclaims any express or implied warranty of fitness for High Risk Activities and accepts no liability for use or inclusions of Raspberry Pi products in High Risk Activities.

Raspberry Pi products are provided subject to RPL's [Standard Terms](#). RPL's provision of the RESOURCES does not expand or otherwise modify RPL's [Standard Terms](#) including but not limited to the disclaimers and warranties expressed in them.

Document version history

Release	Date	Description
1.0	4th March 2022	<ul style="list-style-type: none">• Initial release

Product Change Note

Notification date

4th March 2022

Title

Change of Raspberry Pi 3B+ PCB to Revision 9.

Product Identification

Raspberry Pi 3B+ devices

Reason for Change

Move to a new power management chip.

Change Description

Old PCB revision: R5

Old software model number: 1.3

New PCB revision: R9

New software model number: 1.4

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

Mechanical (Form, Fit, Function) Changes

- New DA9090 PMIC.
- No other significant changes

Electrical

- New DA9090 PMIC.

Software/Firmware Changes Required

This new product revision is supported in firmware versions from September 2021 onwards.

The firmware version can be queried by running 'vcgencmd version' from the Raspberry Pi OS command line. It can also be found for an image by running

```
strings /boot/start.elf | grep VC_BUILD
```

(where /boot/ is the boot partition of the filesystem).

Raspberry Pi always recommend using the latest version of firmware and linux kernel, wherever that is practical.

Transition Date(s)

October/November 2022

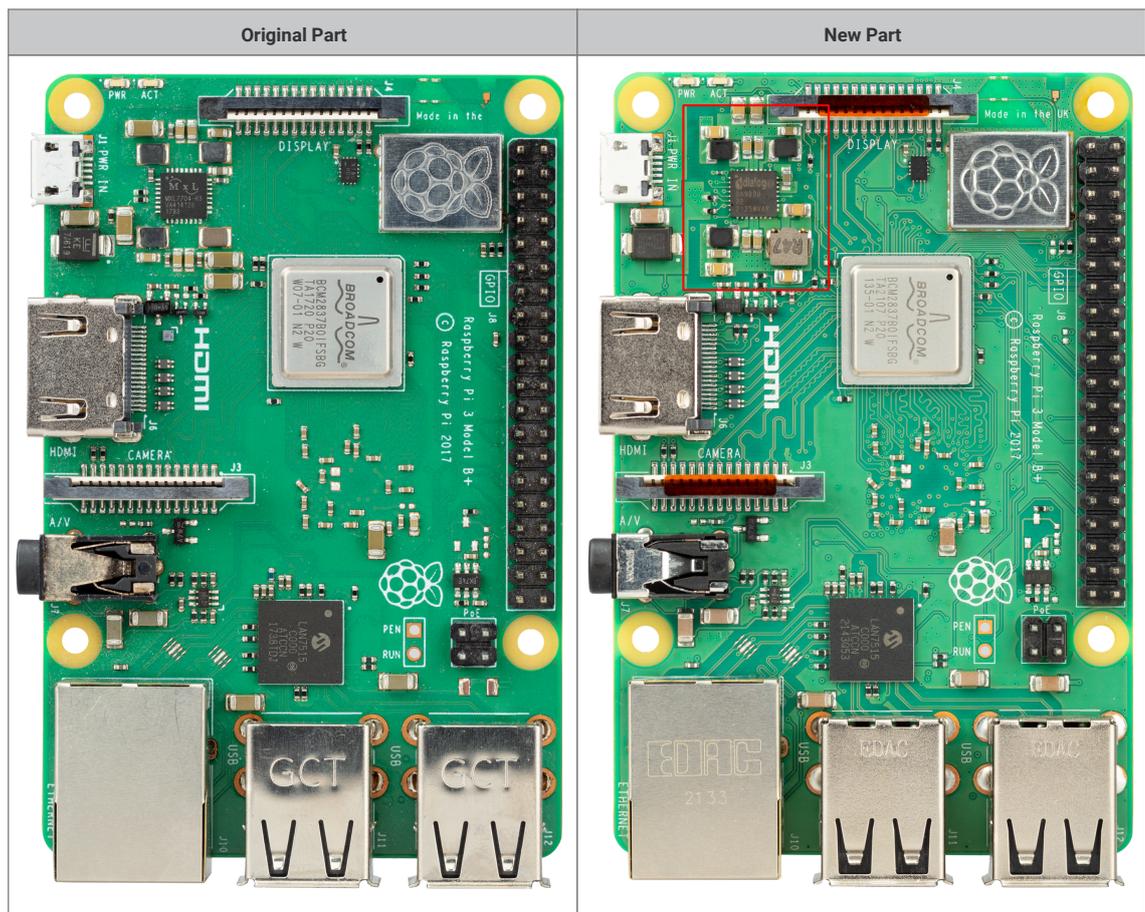
There will be a transition period where both old and new units are available in the distribution channel.

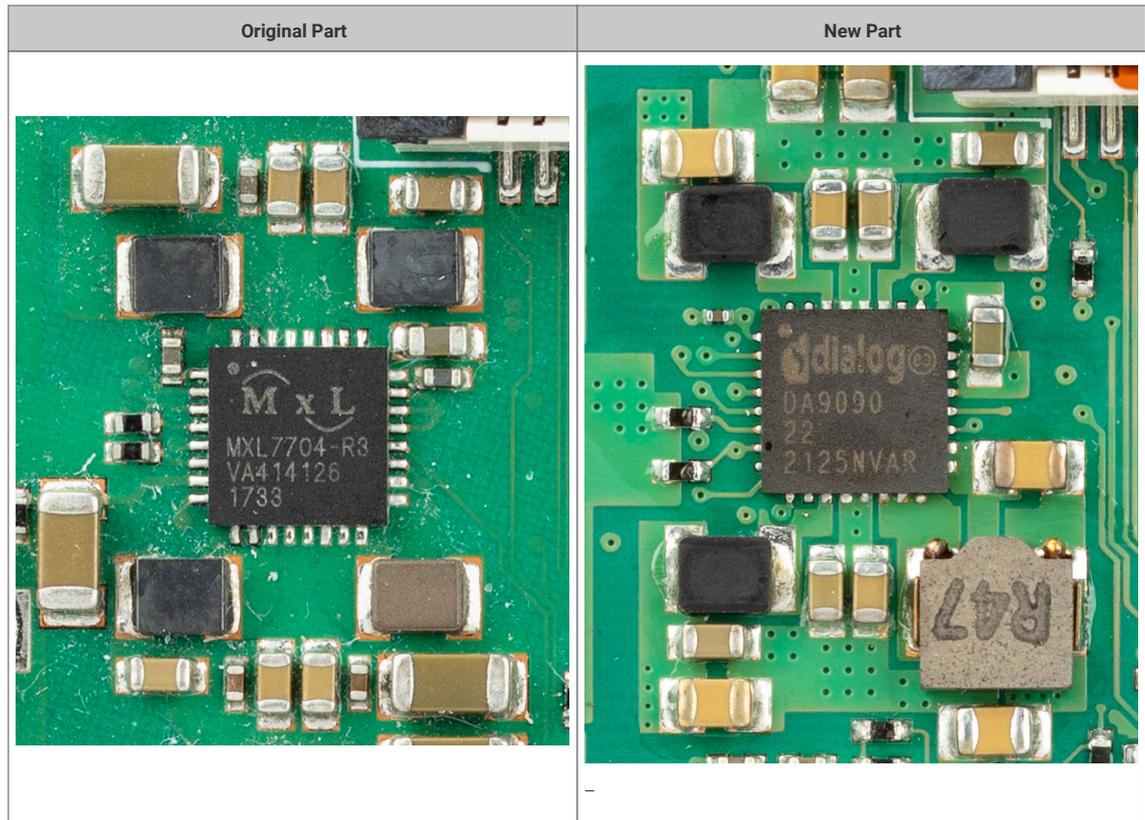
Identification Method to Distinguish Change

New product can be distinguished by:

- `cat /proc/cpuinfo` will report "Model" as "Raspberry Pi 3 Model B+ Rev 1.4"

Image identification





Contact Details for more information

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

Web: www.raspberrypi.com



Raspberry Pi

Raspberry Pi is a trademark of the Raspberry Pi Foundation

Raspberry Pi Trading Ltd