
PCN

Raspberry Pi Camera V2, Revision 2

Raspberry Pi Ltd

2023-01-09: githash: 1b6cddb-clean

Colophon

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Document version history

Release	Date	Description
1.0	25th November 2021	Initial release
1.1	3rd January 2023	Add alternative crystal description for R1 board

Product Change Note

Notification date

25th November 2021

Title

Change of Raspberry Pi Camera Version 2 from Revision 1 to Revision 2

Products Affected

Raspberry Pi Camera Version 2

Reason for Change

Allow use of alternative cryptoflash chip package to improve supply chain availability.

Change Description

Old PCB revision: R1

New PCB revision: R2

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

Removal of old board revision naming standard **V2.1**, replacing it with product name **V2**. Addition of new board revision concealed under the camera module, **R2**.

Electrical

New component footprint to cater for two package variants of the cryptoflash chip.

Software/Firmware Changes Required

This new product revision is supported in firmware versions from 2016 onwards. The newer revision requires no software updates over the previous revision.

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

Transition Date(s)

August-September 2021

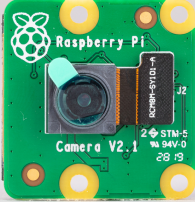
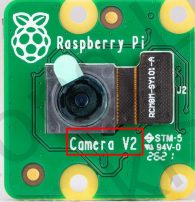
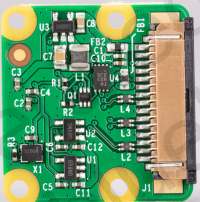
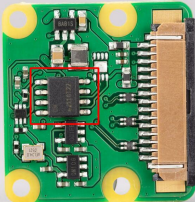
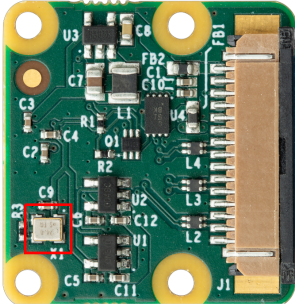
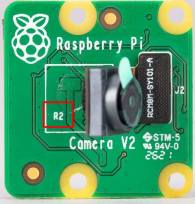
There will be a transition period where both old and new units are available in the distribution channel.

Identification Method to Distinguish Change

New product can be distinguished by reading the version number on the PCB. The R1 board is marked **V2.1**, the **R2** is marked **V2**, but with an **R2** marking underneath the sensor mounting pad.

! IMPORTANT

The board marked **V2.1** is actually an older release than that marked **V2**.

Original Part	New Part
	
	
Alternative Crystal 	R2 marking underneath camera 

 NOTE

The Revision 1 board (left column) was available in two alternative crystal versions, a silver cased device or a black cased device, as shown in the table above.

Contact Details for more information

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

Web: www.raspberrypi.com



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