Raspberry Pi Product Change Notification

RPI-PCN-Pi3B-002

19\textsuperscript{th} December 2019

Notification date:

19\textsuperscript{th} December 2019

Title:

Change of Broadcom SoC.

Product Identification:

Raspberry Pi 3 Model B v.1.2 (Made in UK, Made in PRC and Made in Japan versions).

Reason for Change:

Move to single SoC supply chain for all Raspberry Pi 3 boards.

This PCN just adds Made in Japan to the previously issued PCN (RPI-PCN-Pi3B-001) issued in November 2018 which covered this change.

Change Description:

Raspberry Pi have extensively tested the new part which meets or exceeds the specification and performance of the original part:

<table>
<thead>
<tr>
<th>Part Description and Ref</th>
<th>Original Part</th>
<th>New Part</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multimedia SoC (U1)</td>
<td>Broadcom BCM2837RIFBG</td>
<td>Broadcom BCM2837RIFSBTB</td>
</tr>
</tbody>
</table>

Mechanical (Form, Fit, Function) Changes:

New part, BCM2837RIFSBTB has a Z height which is 1.06mm higher than the original part, BCM2837RIFBGT.

The new part, BCM2837RIFSBTB, has a metal heat spreader.

Firmware Changes Required:

None.

Transition Date(s):

The new part will be phased into manufacturing from January 2019 in China, Japan and UK factories.

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 the appearance of the SoC device (U5), with the new device being identified by the metal (silver) top of the device vs. the original part which is black.

<table>
<thead>
<tr>
<th>Reference</th>
<th>Original Part</th>
<th>New Part</th>
</tr>
</thead>
<tbody>
<tr>
<td>U5</td>
<td><img src="image1.png" alt="Original Part" /></td>
<td><img src="image2.png" alt="New Part" /></td>
</tr>
</tbody>
</table>