

Product Advisory**Issue Date:** October 9, 2024**Change Type:**

Quality Improvements

Parts Affected:

| PRODUCT NUMBER | Current Revision | Updated Revision | FW Version |
|-----------------------|-------------------------|-------------------------|-------------------|
| BCM957504-N1100G | 030 | 031 | 2.31 |
| BCM957504-N1100GI | 007 | 008 | 2.31 |
| BCM957504-N1100GIB | 003 | 004 | 2.31 |
| BCM957508-N1200G | 004 | 005 | 2.31 |
| BCM957508-N1200GI | 001 | 002 | 2.31 |
| BCM957508-N2100G | 031 | 032 | 2.31 |
| BCM957504-N425G | 030 | 031 | 2.31 |
| BCM957504-P425G | 019 | 020 | 2.31 |
| BCM957508-P1200G | 003 | 004 | 2.31 |
| BCM957508-P2100G | 028 | 029 | 2.31 |

Description of Change:

In some systems there have been reports that the adapter fails to boot properly due to the FW not loading. This happens as the system is powering up and introduces noise on one of the controller test pin inputs before the pin's internal pull-down is activated. When this happens it can cause the controller to source the SPI serial flash clock output with an incorrect frequency. If the SPI clock frequency is wrong, the FW will not load. To fix this, a minor PCB change was made to the adapters listed below to tie this pin to ground. Each Thor 1 SKU is being updated with this improvement.



With existing boards, this issue has been seen during system integration when multiple AC power cycles are happening. The issue can only occur during an AC power cycle, and testing shows that it will not occur every cycle. Once the FW loads, subsequent DC power cycles or on-going operation is not at risk. This is because once the controller is powered on, the internal pull-down is permanently activated.

While making this update, additional pads were also added for future support of alternate regulator sources if required for supply continuity.

Additionally, each SKU will be updated to the latest available FW when released.

Effect of Change on Fit, Form, Function

None

Effective Date of Change:

This will be a rolling change indicated by the updated revision of the part number. All board SKUs will be updated by end of January 2025.

Please contact your Broadcom field sales engineer or Contact Center for any questions or support requirements. Please return any response as soon as possible, but not to exceed 30 days.