

PA-242951

Product Advisory

Issue Date: January 19, 2022

Summary:

Thor LOM designs manufactured with firmware releases 2.19, 2.19.1 or 2.20 cannot be downgraded to an earlier release and subsequently upgraded back to a 2.19 or later release. This downgrade/upgrade operation may brick the board. Note that if designs are manufactured with 2.18 or prior firmware release versions then normal firmware upgrade to 2.19, 2.19.1 or 2.20 will not cause this problem.

This advisory does not apply to boards manufactured by Broadcom. Boards manufactured by Broadcom do not use any of the impacted software releases, except with explicit consent from the customer.

Parts Affected:

Table 1 – Impacted devices	
BCM57502B1KFSBG	
BCM57502B2KFSBG	
BCM57504B1KFSBG	
BCM57504B2KFSBG	
BCM57508B1KFSBG	
BCM57508B2KFSBG	

Table 2: Impacted software releases	SIT version
2.19.0	219.0.144.0b
2.19.1	219.0.156.1
2.20.0	2.20.65.0.

Step 1: The board with a device listed in table 1 is manufactured with a firmware release in table 2

Step 2: The firmware on the board is downgraded to a 2.18 or earlier firmware version

Step 3: The firmware on the board is upgraded to 2.19 or later firmware version

The sequence of events above may brick the board. The board can be recovered from this condition using the repaving tools that will be generally available with 2.22 Release (GCA on May 31, 2022).

Recommendation

The releases in table 1 must not be used to manufacture boards with the devices in table 2

Customers using the affected devices should use one of the following releases to manufacture their boards:

- 2.18.0
- 2.19.2
- 2.20.1
- 2.21

Boards manufactured with these releases can be downgraded or upgraded at will without risk.

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.

