



Major Product/Process Change Notice

Jetson Xavier NX

Addition of Manufacturing BOM components:
Hynix memory, Hynix eMMC

PCN206980



Major Product or Process Change Notification

PCN Title:

Addition of Manufacturing BOM components: Hynix memory, Hynix eMMC

Notification Date

September 30, 2020

Projected First Ship Date for Product

December 30, 2020

Change Information

Description:

Manufacturing BOM additions:

- Addition of Hynix memory H54G46BYYJX085
- Addition of Hynix eMMC H26M52208FPRN

Reason:

Manufacturing BOM and supply chain is being expanded to include these items for supply continuity and resiliency.

Impact (form, fit, function, quality, or reliability):

Form, fit, quality, or reliability:

- No change

Function:

- No change, assuming requirement to update software image flashed to the Jetson Xavier NX (See Recommended Action section below) to include:
 - Appropriate BCT and DVFS changes required by the Hynix memory device

Qualification Plan and Data Availability

Qualification Plan:

NVIDIA is committed to providing high quality products to our customers. The qualification of this revision adheres to the same stringent standards and procedures as those used for all NVIDIA products.

Method of Identifying Changed Product

Details:

Any Jetson Xavier NX module with 699 level part number version greater than or equal to 301 may be affected by this PCN. Each module has a label and/or 2D barcode which provides the 699 level part number.

For example, a module with 699 level part number 699-13668-****-301 may be affected.

Customers may receive mixed shipments, with 699 level part number versions less than, equal to, or greater than 301. Modules with 699 level part number versions equal to or greater than 301 may be built with the new components described in this PCN, or with the older components.



Recommended Action for Customers

To support the new Hynix DRAM and Hynix eMMC, the software image flashed to the Jetson Xavier NX must include:

- Appropriate BCT and DVFS changes required by the Hynix memory device

JetPack 4.4.1 / BSP 32.4.4 or later releases of Linux for Tegra (L4T) will include the required changes. JetPack 4.4.1 / BSP 32.4.4 release is expected by end of October.

For customers using L4T releases JetPack 4.4 GA / BSP 32.4.3 or later who do not wish to fully update to JetPack 4.4.1 / BSP 32.4.4, the necessary changes may be integrated by using the APT server to pull the following Debian packages:

- nvidia-l4t-tools
- nvidia-l4t-bootloader

Instructions for how to use the APT server to update L4T images can be found on docs.nvidia.com/jetson/l4t under Quick Start Guide -> Over-the-Air (OTA) Update -> How to Install Debian Packages with OTA Update.

Note that the new firmware is also fully compatible with the previous manufacturing BOM.

In addition to integrating the required software changes, customer should perform whatever additional qualification they deem required to validate the change.

NVIDIA Contact

Please contact your Customer Program Manager or sales representative if additional information is required.

Affected Product(s) or Ordering Codes

Part Number	New Part Number
900-83668-0000-000	N/A

Revision

Version	Date	Description of Change
1	September 30, 2020	Initial Release
2	November 13, 2020	Updated Hynix memory part number
3	May 21 st , 2021	Updated Hynix memory part number to H54G46BYYJX085



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