



Major Product/Process Change Notice

Jetson TX2

Addition of Manufacturing BOM components:
Micron memory, Hynix eMMC

PCN 206440



Product or Process Change Notification			
PCN Title: Addition of Manufacturing BOM components: Micron memory, Hynix eMMC			
Notification Date	April 7, 2020	Projected First Ship Date for Product	July 7, 2020

Proposed Change Information
Description: Manufacturing BOM additions: <ul style="list-style-type: none">• Addition of Micron memory MT53D512M32D2DS-046• Addition of Hynix eMMC H26M64208EMRN
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: <ul style="list-style-type: none">• No change Function: <ul style="list-style-type: none">• No change, assuming requirement to update software image flashed to the Jetson TX2 (See Recommended Action section below) to include:<ul style="list-style-type: none">○ Appropriate BCT and DVFS changes required by the Micron memory device○ Increase bootloader OCR register polling timeout per JEDEC specification

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 TX2 module with 699 level part number version greater than or equal to D02 may be affected by this PCN. Each module has a label displaying the 699 level part number. For example, a module with 699 level part number 699-83310-****-D02 may be affected. Customers may receive mixed shipments, with 699 level part number versions less than, equal to, or greater than D02. Modules with 699 level part number versions equal to or greater than D02 may be built with the new components described in this PCN, or with the older components.



Recommended Action for Customers

In order to support the new Micron DRAM and Hynix eMMC, the software image flashed to the Jetson TX2 must include:

- Appropriate BCT and DVFS changes required by the Micron memory device
- Updated bootloader implementing updated OCR register polling timeout per JEDEC specification

The following releases of Linux for Tegra (L4T) include the necessary changes:

- JetPack 4.4 / BSP 32.4.2 (or later)
- JetPack 3.3.3 / BSP 28.4 (or later)

These releases can be obtained from the Jetson developer website at <http://developer.nvidia.com/embedded-computing>

There are two download options:

- Obtain JetPack: search “JetPack for L4T” from the download center, or
- Obtain the BSP files directly: search “Jetson Driver Package” from the download center

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

If full L4T upgrades are not feasible for customers, patches may be provided. Contact your NVIDIA support representative for details.

NVIDIA Contact

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

Part Number	New Part Number
900-83310-xxxx-000	N/A



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