NVIDIA Jetson Xavier NX Series Product Marking Specification

Application Note

DA-10738-001_v1.1 | January 2022

Document History

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Version	Date	Description of Change
1.0	November 10, 2021	Initial Release
1.1	January 7, 2022	Updated to include Jetson Xavier NX 16GB module

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Introduction

This application note describes the device markings for the NVIDIA® Jetson™ Xavier NX series modules. The Jetson Xavier NX series modules are listed in Table 1.

Table 1. Jetson Xavier NX Series Modules

Product Name	Product Number	Comments
Jetson Xavier NX 16GB	900-83668-0030-000	
Jetson Xavier NX (8GB)	900-83668-0000-000	

The related product change notices (PCNs) are listed in Table 2.

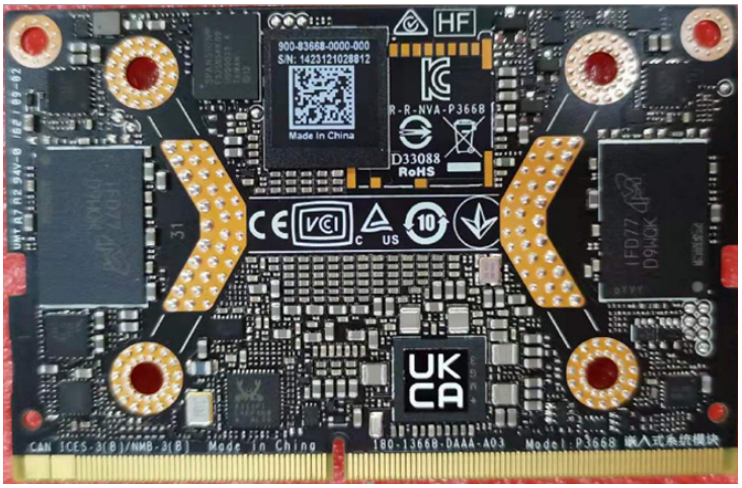
Table 2. Related Product Change Notices

PCN Title	PCN #
Jetson Product 2D Barcode Specification Update	PCN205940
Product: All (Board Assemblies and Systems) – Addition of UKCA Mark to Product / Packaging Labels	PCN207540
Jetson Xavier NX PCN 206980 Addition of Manufacturing BOM components: Hynix memory, Hynix eMMC	PCN206980
Jetson Xavier NX PCN 206560 Module Components Location Change	PCN206560
Jetson Family PCN 206280 Foxconn Taoyuan Facility as Second Source Contract Manufacturer	PCN206280
NVIDIA SoC and GPU PCN 206200 COO Product Marking Change	PCN206200

Jetson Xavier NX Series Product Markings

The Jetson Xavier NX series modules have a label applied to the eMMC device on the bottom of the module. Figure 1 is an example of a module, showing the markings.

Figure 1. Jetson Xavier NX Series Modules – Bottom View



The marking information is described in Figure 2 including:

- 9XX part number
- Serial number (S/N) field
- Barcode field
- COO field

Figure 2. Label Markings

Fields and Descriptions

- Field A: 9XX part number
- Field B: serial number (S/N) field
  - S/N Content: Refer to device SN
  - Format: XXXWWYYZZZZZZ
  - XXX = CEMs vender code
  - WW = The numerical work week of manufacture per calendar year.
  - YY = The last two digits of the current calendar year.
  - ZZZZZZ = Six-digit numerical serial number, incremented by one for each successive assembly built at the week
- Field C: 2D barcode field
  - Barcode Content: Device SN, Device MAC1,699 PN (for example: 1422030123456,00044BA4F22B,699-13668-0001-300, there is no Blank between SN and MAC1, only is a comma)
  - Format: Data Matrix, ECC 200
- Field D: COO field
  - "Made In" is prefixed
  - "Xxxxx" indicates the country the printed circuit assembly was built

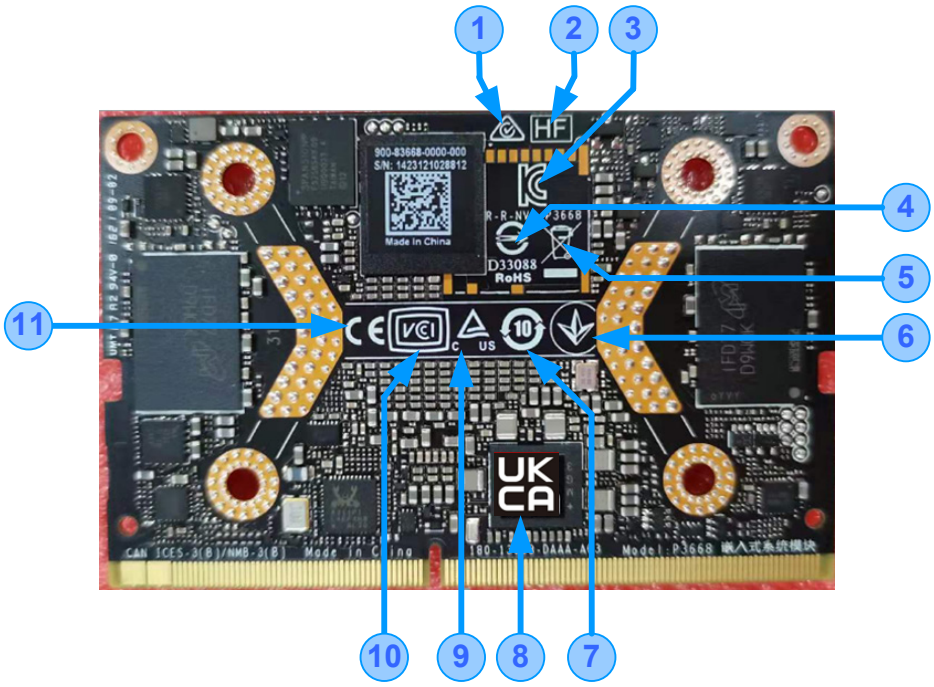
Notes:

- This component and all its homogeneous subcomponents are RoHS,Halogen-Free and Flame Retardants compliant.
- All inks and adhesives used on these labels are RoHS,Halogen-Free and Flame Retardants compliant.

Certification Logos

The various regulatory logos are identified in Figure 3. See the Jetson Xavier NX Regulatory and Compliance documents located on the Jetson Download Center for additional information.

Figure 3. Certification Logos



1. Australia/New Zealand: RCM
2. Halogen Free
3. Korea: RRA
4. Taiwan: BSMI
5. European Union/India: WEEE
6. Ukraine: UkrSEPRO
7. China: ROHS
8. United Kingdom: UKCA
9. USA/Canada: TUV
10. Japan: VCCI
11. European Union: EU

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