



GEFORCE GTX 1070 GPU

NPN-08044-001_v01 | April 2016

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New Product Notice

Jane Li NVIDIA Confidential
Gigabyte-GPU 2016-04-22 00:17:05

New Product Notice

NPN-08044-001_v01

| New Product Introduction | | | |
|---|------------|-------------------------------|-----|
| This NPN specifies the following new NVIDIA® GeForce® GTX 1070 GPU. This GPU is offered in the GB4-256 (2152-ball BGA, 37.5 mm × 37.5 mm) package only. | | | |
| Notification | April 2016 | Planned Implementation | Now |

| Product Information | |
|--|-----------------|
| These new products represent the high-end of the Enthusiast consumer desktop GPU segment. They are based on the new NVIDIA Pascal graphics architecture and will be manufactured using qualified suppliers per our approved suppliers' list and are RoHS and Halogen-free compliant. | |
| Key Specifications: | |
| | GTX 1070 |
| Chip | GP104-200-A1 |
| Device ID | 0x1B81 |
| Memory interface | 256 bit GDDR5 |
| Package | GB4-256 |

| Impact of Change and Recommended Action |
|--|
| NVIDIA is committed to providing our customers with quality products that push the edge of technology and at the same time enable product segmentation. To help guarantee a rapid time-to-market launch and smooth and uninterrupted product supply, NVIDIA strongly recommends that customers qualify these GPUs as soon as possible. |

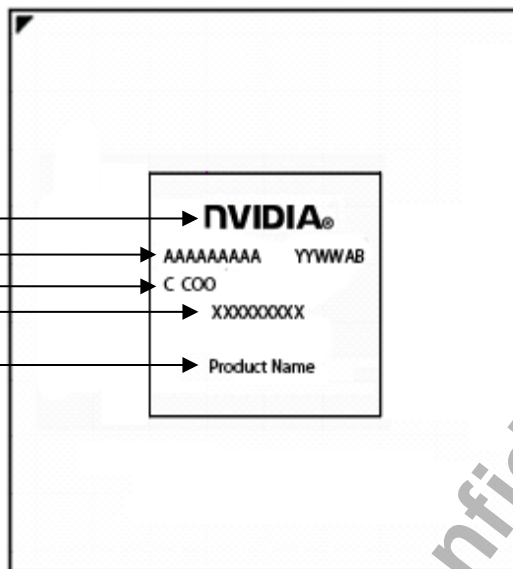
| Forecasted Key Milestones |
|-----------------------------------|
| GTX 1070: QS April 15, 2016 |
| GTX 1070: MP Mid-May 2016 |

Product Marking and Traceability

GTX 1070 Markings

Pin 1

Line 1 →
Line 2 →
Line 3 →
Line 4 →
Line 5 →



Pin 1: Location of Pin 1 in upper left when reading the marking.

Line 1: Company Name

Line 2: Lot identification lot number (AAAAAAAA),
- YYWW = Assembly date code
- AB = Mask revision

Line 3: Single alpha assembly plant identifier (C) and country of origin (COO):
- A = ASE
- SCC = STATSchipPAC
- S = SPIL
Country of origin = Taiwan for ASE and SPIL, and China for STATSchipPAC

Line 4: Wafer Fab lot number (XXXXXXXX).
The first character identifies the wafer Fab location:
- P = TSMC Fab 14

Line 5: Product Part Number, for example
XXXXX-XX-XX

Products Affected/Ordering Codes

| Product | NVIDIA Part Number ¹ | Marketing Part Number for P.O. | Comments |
|----------|---------------------------------|--------------------------------|---|
| GTX 1070 | GP104-200-A1 | GP104-200-A1 | 37.5 mm × 37.5 mm 2152 ball BGA (GB4-256) |

Note:

¹ The NVIDIA part number is provided in this document as a reference for product shipping and handling at factory. This part number is NVIDIA confidential.

Revision History

| Version | Date | Authors | Description of Change |
|---------|----------------|---------|-----------------------|
| 01 | April 20, 2016 | TR, DR | Initial release |
| | | | |

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