



N18E-G0 AND N18P-G0-MP GPUs

NPN-09335-001_v01 | December 2018

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New Product Notice



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NPN-09335-001_v01

New Product Introduction			
NVIDIA™ N18E-G0 AND N18P-G0-MP GPUs			
Notification	December 14, 2018	Planned Implementation	Per schedules below

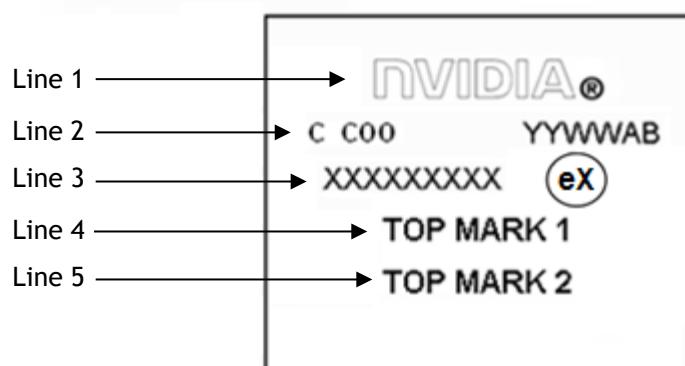
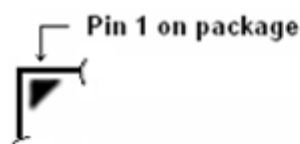
Product Information		
<p>This NPN specifies the new N18E-G0 AND N18P-G0-MP notebook GPUs. N18E-G0 is in the GB4B-256 (2228-ball BGA, 37.5 mm × 37.5 mm) package only. N18P-G0-MP is in the GB4D-128 (960-ball BGA, 29 mm × 29 mm) package only.</p> <p>Please refer to N18E and N18P design documents and contact your local AE representatives for additional guidance.</p> <p>This will be manufactured using qualified suppliers per our approved suppliers list.</p>		
Key Specifications:		
	N18E-G0	N18P-G0-MP
Product Part Number	N18E-G0-A1	N18P-G0-MP-A1
NVIDIA Part Number ¹ (used on labels of packaging materials)	TU116-750-A1	TU117-750-A1
Device ID	<ul style="list-style-type: none"> Primary: 0x2191 Secondary: 0x21D1 	<ul style="list-style-type: none"> Primary: 0x1F91 Secondary: 0x1FD1
Memory interface	192-bit GDDR6	128-bit GDDR5
Package	GB4B-256	GB4D-128

Impact of Change and Recommended Action
<p>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 N18E-G0 and N18P-G0-MP GPUs as soon as possible.</p>

Forecasted Key Milestones
N18E-G0-A1: PS/MP January 2019
N18P-G0-MP-A1: PS/MP January 2019

Product Marking and Traceability

N18E-G0-A1 and N18P-G0-MP-A1 Markings



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

Line 1: Company Name

Line 2: Vendor ID (C)

Country of origin (COO)

- A = ASE

- B = Amkor K5

- K = Amkor K4

- R = Amkor

- S = SPIL

- T = TSMC

Country of origin = Taiwan for ASE, Amkor, SPIL and TSMC, and Korea for Amkor K4 and Amkor K5

YYWW = Assembly date code

AB = Die revision

Line 3: Lot number (XXXXXXXX) (Assembly lot number from ABR)

eX = e1 (SAC305)

Line 4: Product Part Number

Line 5: Qual/Eng Sample

Line is blank for PS and MP

Products Affected/Ordering Codes

Product	Marketing Part Number for P.O.	NVIDIA Part Number ¹	Comments
N18E-G0-A1	N18E-G0-A1	TU116-750-A1	
N18P-G0-MP-A1	N18P-G0-MP-A1	TU117-750-A1	Optional GDDR5 kit is available on this SKU. See <i>GDDR5 Graphics Memory Bundle NPN</i> for more details.

Note:

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

Revision History			
Version	Date	Authors	Description of Change
01	December 14, 2018	MA, KF, DV	Initial release

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