



# N18E-G3, N18E-G2, & N18E-G1 GPUs

NPN-09178-001\_v01 | September 2018

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**New Product Notice**

# New Product Notice

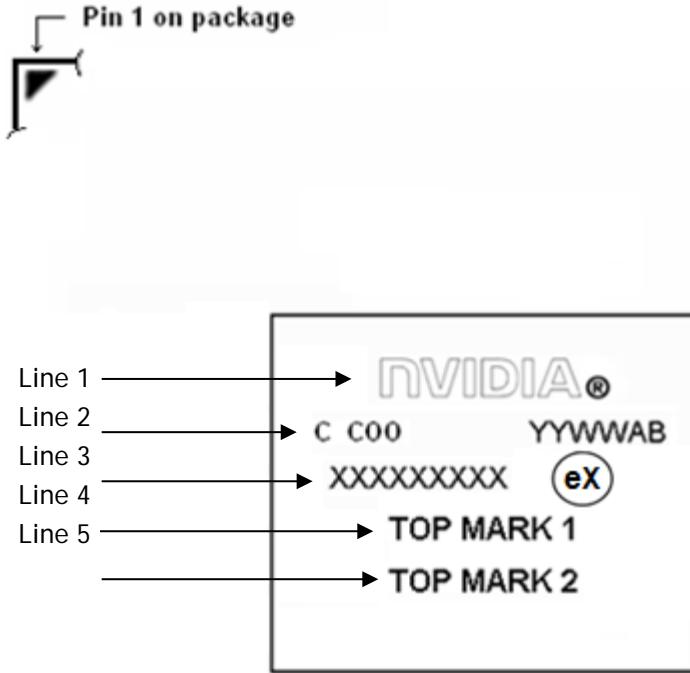
NPN-09178-001\_v01

New Product Introduction			
N18E-G1, N18E-G2, and N18E-G3 GPUs			
Notification	September 7, 2018	Planned Implementation	Per schedules below
Product Information			
<p>This NPN specifies the new N18E-G1, N18E-G2, and N18E-G3 notebook GPUs. These GPU are in the GB4B-256 (2228-ball BGA, 37.5 mm x 37.5 mm) package only.</p> <p>Please refer to N18E 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-G3	N18E-G2	N18E-G1
Product Part Number	N18E-G3-A1	N18E-G2-A1	N18E-G1-KD-A1
NVIDIA Part Number <sup>1</sup> (used on labels of packaging materials)	TU104-750-A1	TU106-750-A1	TU106-725-KD-A1
Device ID	<ul style="list-style-type: none"> <li>Primary: 0x1E90</li> <li>Secondary: 0x1ED0</li> </ul>	<ul style="list-style-type: none"> <li>Primary: 0x1F10</li> <li>Secondary: 0x1F50</li> </ul>	<ul style="list-style-type: none"> <li>Primary: 0x1F11</li> <li>Secondary: 0x1F51</li> </ul>
Memory interface	256-bit GDDR6	256-bit GDDR6	192-bit GDDR6
Package	GB4B-256	GB4B-256	GB4B-256
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-G1, N18E-G2, and N18E-G3 GPUs as soon as possible.</p>			
Forecasted Key Milestones			
N18E-G3-A1: PS.....			October 2018
N18E-G3-A1: MP .....			November 2018
N18E-G2-A1: PS.....			October 2018
N18E-G2-A1: MP .....			November 2018
N18E-G1-KD-A1: PS .....			October 2018
N18E-G1-KD-A1: MP.....			November 2018

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## Product Marking and Traceability

N18E-G3-A1, N18E-G2-A1, & N18E-G1-KD-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 (XXXXXXX) (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 <sup>1</sup>	Comments
N18E-G3-A1	N18E-G3-A1	TU104-750-A1	No kitted memory for PS and MP
N18E-G2-A1	N18E-G2-A1	TU106-750-A1	No kitted memory for PS and MP
N18E-G1-KD-A1	N18E-G1-KD-A1	TU106-725-KD-A1	No kitted memory for PS and MP

### Note:

<sup>1</sup>. 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	September 7, 2018	MA, KF, DV	Initial release

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