



N18E-G1-B GPU

New Product Notice



Document History

NPN-09746-001_v01

Version	Date	Authors	Description of Change
01	November 18, 2019	MA, DV	Initial release

New Product Notice

New Product Introduction			
NVIDIA® N18E-G1-B GPUs			
Notification	November 18, 2019	Planned Implementation	Per schedules below

Product Information

This NPN specifies the new N18E-G1-B notebook GPU. These GPUs are in the GB4B-256 (2228-ball BGA, 37.5 mm × 37.5 mm) package only.

Please refer to the N18E design documents and contact your local AE representatives for additional guidance.

This will be manufactured using qualified suppliers per our approved suppliers list.

Key Specifications

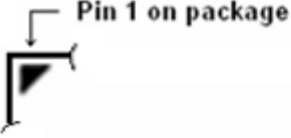
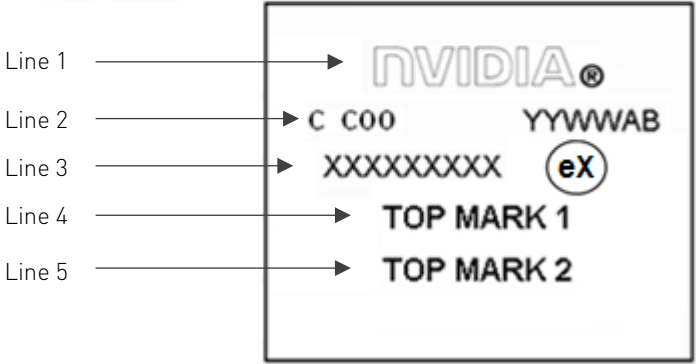
	N18E-G1-B
Product Part Number	N18E-G1-B-KA-A1 N18E-G1-B-KB-A1 N18E-G1-B-KC-A1 N18E-G1-B-KD-A1
NVIDIA Part Number (used on labels of packaging materials)	TU106-727-KA-A1 TU106-727-KB-A1 TU106-727-KC-A1 TU106-727-KD-A1
Device ID	<ul style="list-style-type: none"> Primary: 0x1F15 Secondary: 0x1F55
Memory Interface	192-bit GDDR6
Package	GB4B-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 N18E-G1-B GPUs as soon as possible.

Forecasted Key Milestones

N18E-G1-B: PS	December 2019
N18E-G1-B: MP	January 2020

Product Marking and Traceability	
<p>N18E-G1-B-KA-A1, N18E-G1-B-KB-A1, N18E-G1-B-KC-A1, & N18E-G1-B-KD-A1 Markings</p>  <p>Pin 1 on package</p>  <p>Line 1 → NVIDIA®</p> <p>Line 2 → C C00 YYWWAB</p> <p>Line 3 → XXXXXXXXX (eX)</p> <p>Line 4 → TOP MARK 1</p> <p>Line 5 → TOP MARK 2</p>	<p>Pin 1: Location of Pin 1 in upper left when reading the marking.</p> <p>Line 1: Company Name</p> <p>Line 2: Vendor ID (C) Country of origin (C00) - A = ASE - B = Amkor K5 - K = Amkor K4 - R = Amkor Tech - 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</p> <p>Line 3: Lot number (XXXXXXXX) (Assembly lot number from ABR) eX = e1 (SAC305)</p> <p>Line 4: Product Part Number</p> <p>Line 5: Qual/Eng Sample Line is blank for PS and MP</p>

Products Affected/Ordering Codes			
Product	Marketing Part Number for P.O.	NVIDIA Part Number ¹	Comments
N18E-G1-B	N18E-G1-B-KA-A1 N18E-G1-B-KB-A1 N18E-G1-B-KC-A1 N18E-G1-B-KD-A1	TU106-727-KA-A1 TU106-727-KB-A1 TU106-727-KC-A1 TU106-727-KD-A1	Requires GDDR6 with a date code restriction. Refer to the latest version of the N18x Memory RVL for additional details.
<p>Note: ¹The NVIDIA Part Number is provided in this document as a reference product shipping and handling at factory. This is NVIDIA confidential.</p>			

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