

PRESS RELEASE

UBM TechInsights announces the discovery of Samsung 20-nm class NAND Flash

Confirms Samsung's next generation process node is in production

OTTAWA, June 2nd, 2011/PR Newswire/ -- UBM TechInsights, the preeminent provider of services for companies seeking to leverage and protect their technology and intellectual property, today announced its finding of the Samsung 20nm-class process technology within a commercial application. Examination of the device, with a die-marking of K9GBG08U0A, revealed a process technology node of 27nm, in line with Samsung's description of 20nm-class.

The 27nm node by Samsung has effectively increased their productivity by over 50-percent when compared to previous 35nm iterations of the same Flash family. Originally announced in April of 2010, this higher-performing NAND Flash will likely expand Samsung's coverage in consumer electronic devices, such as tablets and smartphones, and improve the proficiency of their memory card solutions.

This is the second Flash device discovered in production at the 20nm-class, joining IMFT's 25nm MLC NAND Flash which was previously analyzed by UBM TechInsights in 2010.

"With the discovery of Samsung's K9GBG08U0A 20nm-class NAND Flash and the recent 30nm class DDR3 DRAM, the technical and manufacturing capabilities of the Korean memory manufacturer are in full display", said Jason Abt, Senior Product Manager for Technical Intelligence. "Samsung has been able to successfully scale down to 27nm from 35nm by introducing innovative techniques that have overcome hurdles obstructing other major memory manufacturers."

Discovery and analysis of advanced devices, such as Samsung's 20nm-class NAND Flash is possible through UBM TechInsights' leading-edge forensic technical analysis techniques, combined with decades of experience in all aspects of the IP / Technology Lifecycle. More information, including de-encapsulation and cross-section images can be found at:

<http://www.ubmtechinsights.com/reports-and-subscriptions/investigative-analysis/samsung-20-nm-nand-flash/>



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About UBM TechInsights

UBM TechInsights provides professional services and essential intelligence to manage technology and Intellectual Property (IP) portfolios. With over 20 years of experience in technical analysis and IP matters UBM TechInsights provides a comprehensive IP management process that delivers maximum strategic advantage and financial returns for customers around the world. The company provides information and customized services in IP, Technical Intelligence, and Business Intelligence for each stage of the IP lifecycle. Global markets served include Automotive, Clean Technologies, Consumer Electronics, Investment, Legal, Medical Devices, Semiconductors, and Software. For more information, please visit www.ubmtechinsights.com.

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