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Mobile DRAM

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K4M56163PI

For more details about product specifications or technical files, please inquire through 'Contact us' Some information may be limited to the authorized person or company.

General Description

Mobile DRAM is a version of the standard DRAM memory but is redesigned specifically for deployment in handheld battery-powered devices such as mobile phones PDAs PMPs and tablet computers with the primary objective of reducing power consumption and extending the device is battery life. Mobile DRAM operates at substantially low voltages significantly reducing power consumption yet maintaining the performance levels for the device that it is deployed in. Mobile DRAM also offers additional benefits of higher memory densities and operating speeds resulting in faster data transfers for the device.

Portable computing and communication devices such as tablet computers and smartphones are the primary are as of deployment for mobile DRAM. Standards for this memory have officially undergone several revisions and have resulted in significant improvements in density operating speed power consumption and bandwidth. The technology is capable of meeting the increasing bandwidth demands of tablet computers and other similar mobile computing devices. Handheld power-conscious devices such as ebook readers always on Internet access devices such as tablet computers and advanced mobile devices such as smartphones and PDAs stand to benefit the most from developments in mobile DRAM. Worldwide SAMSUNG is the largest provider of advanced memory. technologies including mobile DRAM. Samsung mobile DRAM provides an array of advanced features such as ultra-low power consumption levels high operating speeds the smallest package sizes and form factors and exceptional reliability and is thus the default choice for deployment on the most advanced computing and communication platforms.

Specifications

Density	256Mb
Organization	16M×16
Speed	75,90,1L
Package	54FBGA
Vdd/Vddq(V)	1.8/1.8
Temperature	E,G,C,F
Production Status	Mass Production

RoHS Information

For more information, please click the button next to the product name

Declaration letter Does not contain hazardous materials defined in China RoHS

Contains hazardous materials defined in China RoHS

K4M56163PI-BG75 is Lead-free and RoHS compliant.

K4M56163PI-W300 is Lead-free and RoHS compliant.

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