

Memory Module Specifications

3AXT6400C5-2048 240-Pin PC2-6400 DIMM 2GB 256M x 64-bit CL5

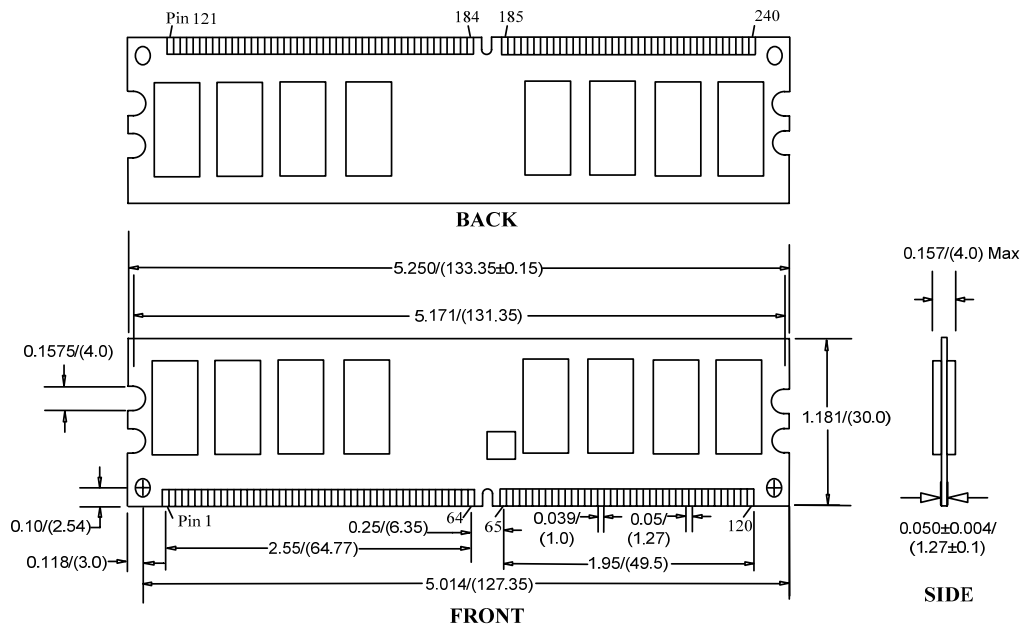
DESCRIPTION:

This data sheet describes Wintec's 2GB DDR2-800 SDRAM (Synchronous DRAM) DIMM. It contains sixteen 128Mx8-bit 800MHz DDR2 60-pin FBGA components. This module has been tested to run at DDR2 800MHz at latency timing of 5-5-5-15 at 1.9V. The SPD is programmed to JEDEC standard DDR2 800MHz with latency timing of 5-5-5-15 at 1.8V. It uses gold plated contact fingers and requires power supply of 1.8V. The electrical and mechanical specifications are shown below:

PERFORMANCE:

➤ Clock Cycle Time (tCK) @ CL5	2.5ns (min.) / 8ns (max.)
➤ Row Cycle Time (tRC)	57.5ns (min.)
➤ Refresh to Refresh command interval (tRFC)	127.5ns
➤ Row Active Time (tRAS)	45ns (min.) / 70,000ns (max.)
➤ Active to Read/Write delay (tRCD)	12.5ns
➤ Precharge command period (tRP)	12.5ns
➤ Operating Temperature at Case	0°C to +85°C

LAYOUT:



* Please check your manual or the motherboard manufacture for additional chipset and over-clocking information. Performance varies across all models and motherboards, as not all systems can achieve the full 800 MHz of PC2-6400 at CAS Latency 5-5-5-15