

Memory Module Specification

Wintec part number: 3AMD1400-1GK-R 512 MB (64M x 64-Bit X2) DDR400 CL3 184-Pin Unbuffered Non-ECC DIMM

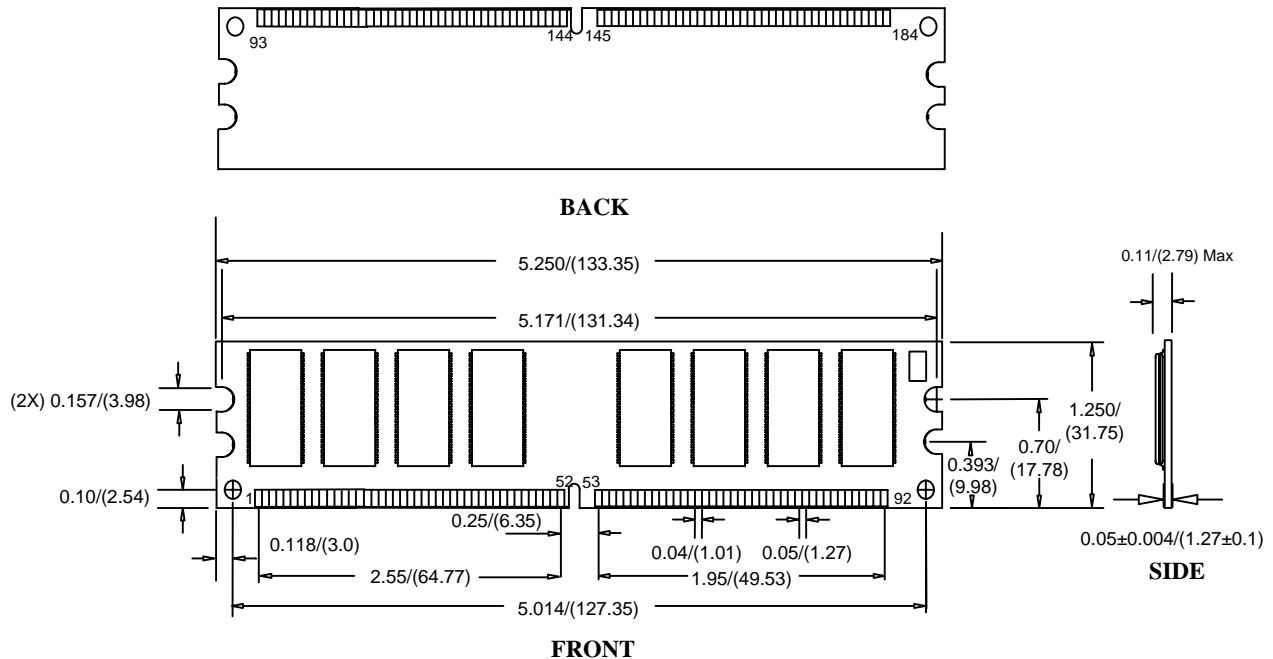
DESCRIPTION:

This data sheet describes two 64M x 64-bit (512MB) DDR400 Unbuffered Non-ECC SDRAM (Synchronous DRAM) memory modules as a kit. Each module contains 8 64M x 8-bit 200MHz DDR SDRAM devices in TSOP2 packages. This module uses gold plated contact fingers and requires power supply of 2.5V. The electrical and mechanical specifications are shown below:

FEATURES:

- **Clock Cycle Time (tCK)** **5ns (min) / 10ns (max)**
- **RAS# to CAS# Delay Time (tRCD)** **15ns**
- **Row Precharge Time (tRP)** **15ns**
- **Row Cycle Time (tRC)** **55ns**
- **Row Active Time (tRAS)** **40ns (min) / 70,000ns (max)**
- **Power Supply** **+ 2.5V (+/- 0.2V)**

LAYOUT:



Note:

1. Dimensions are in inches/(mm)
2. Tolerances: +/- 0.005"/(0.13mm) unless otherwise specified

Figure 1: 3AMD1400-1GK-R 184-Pin SDRAM Module