APLUS TECHNOLOGY

PC133 UNBUFFERED SO-DIMM 512MB 32Mx8

DESCRIPTION:

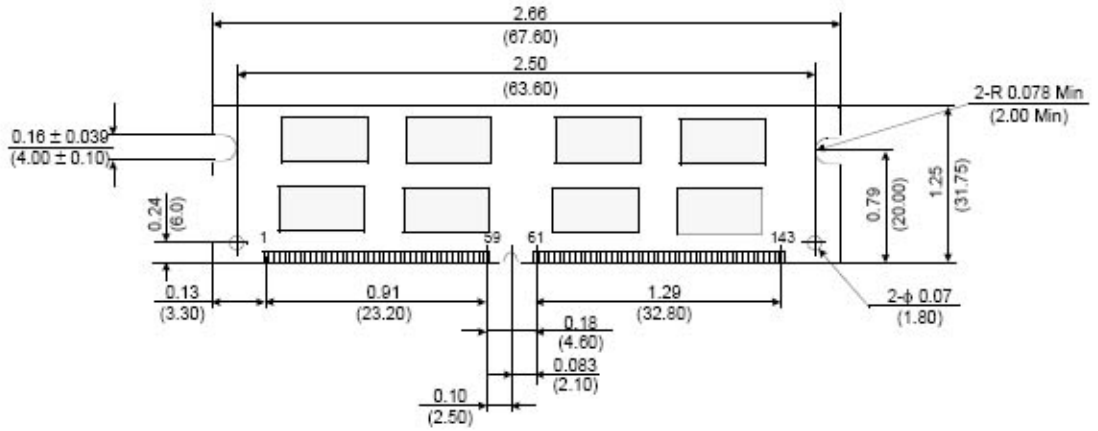
This document describes Aplus 64M x 64-bit 512MB PC133 CL3 SDRAM (Synchronous DRAM) memory module The components on this module include sixteen 32M x 8-bit(4 Bank) PC133 SDRAM in WBGA packages . This 144-pin SO-DIMM uses gold contact fingers and requires +3.3V. The electrical and mechanical specifications are as follows:

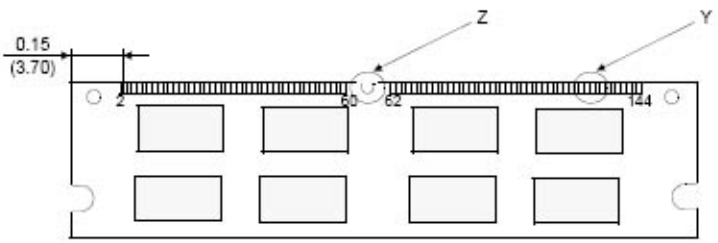
FEATURES:

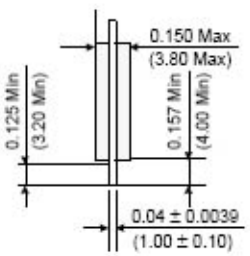
Single 3.3V ± 0.3V power supply
Burst mode operation
Auto & self refresh capability
LVTTL compatible inputs and outputs
MRS cycle with address key programs
Latency (Access from column address)
Burst length (1,2,4,8 & Full page)
Data scramble (sequential & interleave)
All inputs are sampled at the positive going edge of the system clock
Timing Reference: CL-tRCD-tRP (3-3-3)
Serial presence detect with EEPROM

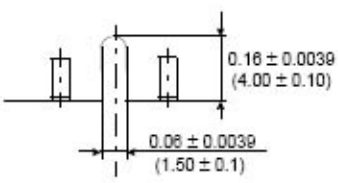
PERFORMANCE:

CLK cycle time (tCC)	7.5ns (min.) /1000ns (max.)
CLK to output (tSAC)	5.4ns
Row active time (tRAS)	45ns (min.) /100ns (max.)
Row cycle time (tRC)	65ns (min.)
Power Dissipation	16W
Operating Temperature	0℃ to 70℃
Storage Temperature	-55℃ to +150℃

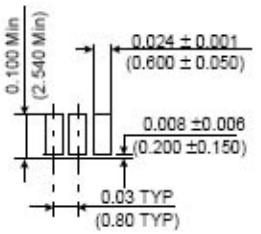








Detail Z



Detail Y