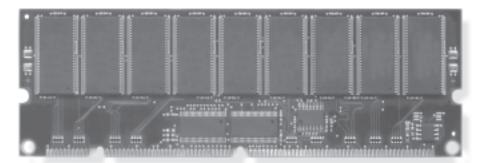# DTM60113 AND DTM60115

256MB-32M x 64/72, 168-Pin Registered PC133 SDRAM DIMMS

DATARAM

Identification

DTM60113:32Mx64
DTM60115:32Mx72

Performance range

133MHz (7.5ns @ CL=3)

Features

Burst mode operation

Auto & self refresh capability (4096 Cycles/64ms)

LVTTL compatible inputs and outputs

Single 3.3V±0.3V power supply

MRS cycle with address key programs Latency (Access from column address) Burst length (1, 2, 4 & 8 page) Data scramble (Sequential & Interleave)

Serial presence detect with EEPROM

168-pin PC133 DIMM double-sided assembly 5.250" wide by 1.70" high

Description

The Dataram DTM60113 and DTM60115 are registered 32Mx64 and 32Mx72 Synchronous Dynamic RAM high density memory modules.The assemblies consist of sixteen stacked 32Mx4 bit and eighteen stacked 32Mx4bit SDRAMs in two TSOP-II 400Mil packages, respectively. Three 18-bit Drive ICs for input control ,one PLL for clock, and one 2K EEPROM for Serial Presence Detect are also installed on a 168-pin glass-epoxy substrate. Sychronous design allows for precise cycle control with theuseof a system clock. The DTM60113 and DTM60115 are Dual in-line Memory Modules intended for mounting into168-pin connector sockets.