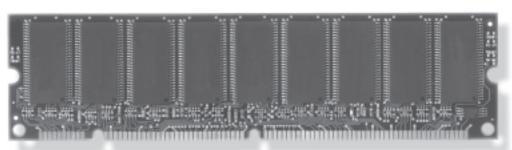


## DTM60109 AND DTM60111

DATARAM 64/72, 168-Pin Unbuffered PC133 SDRAM DIMM



## Identification

DTM60109:8Mx64 DTM60111:8Mx72 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 single-sided assembly 5.250" wide by 1.375" high

## **Description**

The Dataram DTM60109 and DTM60111 are unbuffered 8Mx64 and 8Mx72 Sychronous Dynamic RAM high density memory modules. The assemblies consist of eight 8Mx8bit and nine 8Mx8bit SDRAMS in a TSOP-II 400mil package and one 2K EEPROM for serial presence detect on a 168-pin glass epoxy substrate, respectively. Sychronous design allows for precise cycle control with the use of a system clock. The DTM60109 and DTM60111 are Dual in-line Memory Modules intended for mounting into 168-pin connector sockets.