

**Identification**

DTM60109:8Mx64

DTM60111:8Mx72

Performance range

133MHz (7.5ns @ CL=3)

Features

Burst mode operation

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

LVTTTL compatible inputs and outputs

Single 3.3V \pm 0.3V power supplyMRS 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 Synchronous 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. Synchronous 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.