

**Identification**

DTM60114:64Mx64

DTM60116:64Mx72

**Performance range**

133MHz (7.5ns @ CL=3)

**Features**

Burst mode operation

Auto &amp; 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 double-sided assembly  
5.250" wide by 1.70" high**Description**

The Dataram DTM60114 and DTM60116 are registered 64Mx64 and 64Mx72 Synchronous Dynamic RAM high density memory modules. The assemblies consist of sixteen stacked 64Mx4bit and eighteen stacked 64Mx4bit SDRAMs in two TSOP-II 400MII packages, respectively. Three 18-bits 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. Synchronous design allows for precise cycle control with the use of a system clock. The DTM60114 and DTM60116 are Dual in-line Memory Modules intended for mounting into 168-pin edge connector sockets.