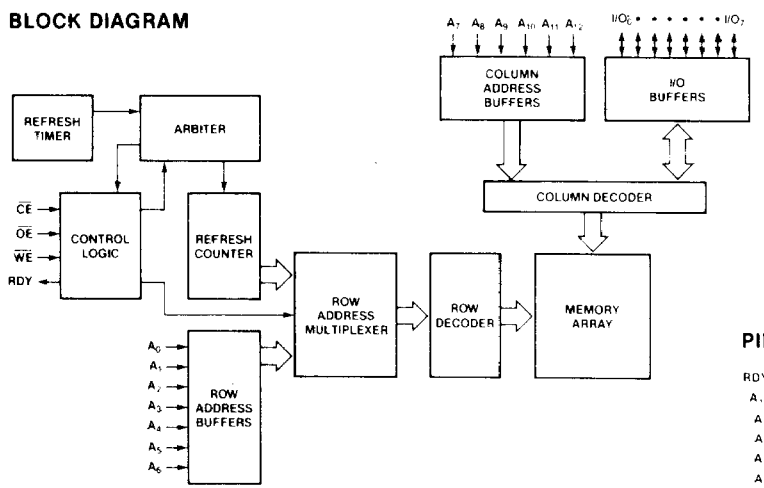
2186A FAMILY
8192 x 8 BIT INTEGRATED RAM

- **Low-cost, high volume HMOS III technology**
- **High density one transistor cell**
- **Single +5V ± 10% supply**
- **Proven HMOS reliability**
- **Low active current (70 mA)**
- **Simple asynchronous refresh operation/ static RAM compatible**
- **2764 EPROM compatible pin-out**
- **Two-line bus control**
- **JEDEC standard 28-pin site**
- **Low standby current (20 mA)**

The Intel 2186A is a 8192 word by 8-bit integrated random access memory (iRAM) fabricated on Intel's proven HMOS dynamic RAM technology. Integrated refresh control provides static RAM characteristics at a significantly lower cost. Packaged in the industry standard 28-pin DIP, the 2186A conforms to the industry standard JEDEC 28-pin site. Designs based on 2186A timings can be made fully compatible with EPROMs and static RAMs.

The 2186A is particularly suited for microprocessor applications and incorporates many requisite system features including low power dissipation, automatic initialization, extended cycle operation and two-line bus control to eliminate bus contention.

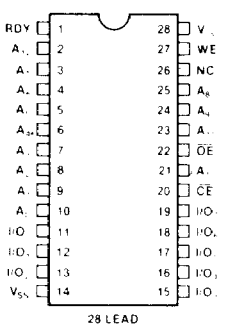
BLOCK DIAGRAM



PIN NAMES

A_0-A_{12}	ADDRESS INPUTS
$\overline{CE}$	CHIP ENABLE
$\overline{OE}$	OUTPUT ENABLE
$\overline{WE}$	WRITE ENABLE
I/O_0-I/O_7	DATA INPUT/OUTPUT
RDY	READY
V_{CC}	+5V POWER
V_{SS}	GROUND

PIN CONFIGURATION



28 LEAD

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