

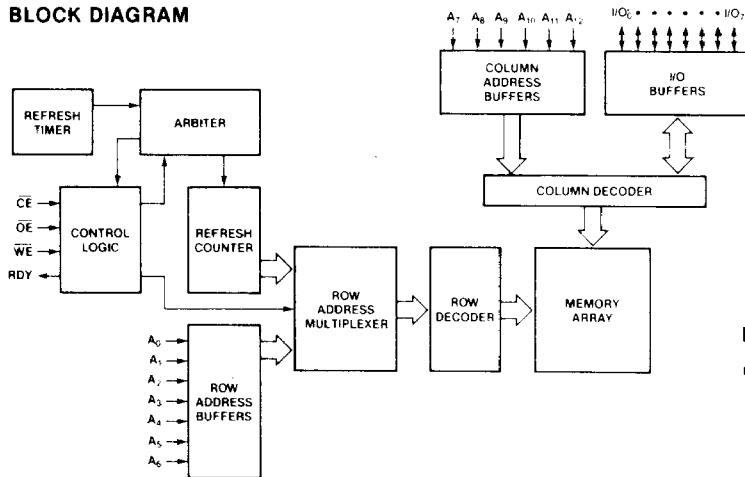
2186A FAMILY 8192 x 8 BIT INTEGRATED RAM

- 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_7 , A_{12}	ADDRESS INPUTS
CE	CHIP ENABLE
OE	OUTPUT ENABLE
WE	WRITE ENABLE
I/O_0 , I/O_7	DATA INPUT/OUTPUT
RDY	READY
V_{CC}	+5V POWER
V_{SS}	GROUND

PIN CONFIGURATION

RDY	1	28	V_{CC}
A_{12}	2	27	NC
A_7	3	26	NC
A_6	4	25	A_8
A_5	5	24	A_4
A_4	6	23	A_3
A_3	7	22	$\bar{O}E$
A_2	8	21	A_1
A_1	9	20	\bar{CE}
A_0	10	19	I/O_0
I/O_0	11	18	I/O_7
I/O_1	12	17	I/O_6
I/O_2	13	16	I/O_5
I/O_3	14	15	I/O_4

28 LEAD

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