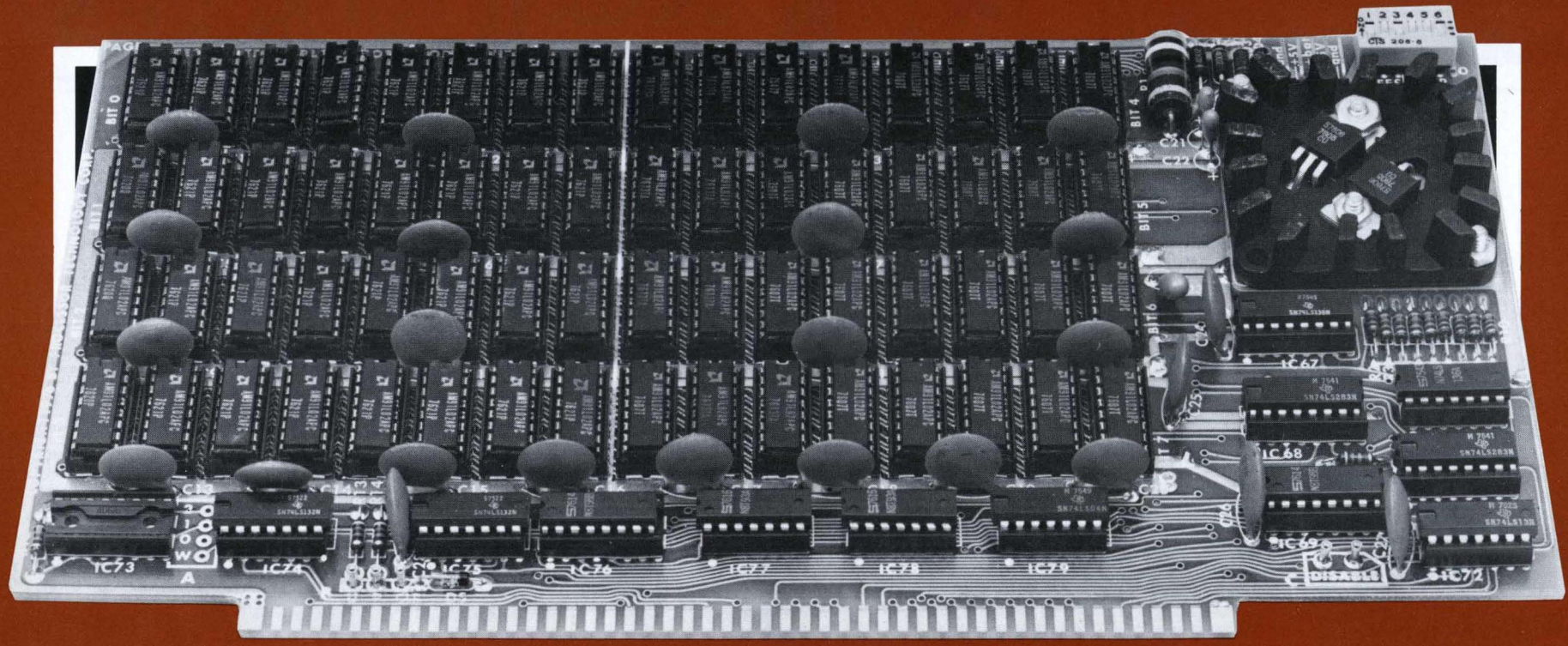

Lower Power, Greater Capacity

Double the memory capacity of our low-power 4KRA Static RAM Module! Built-in connections for battery backup supply and flexible addressing circuitry.

8KRA Static Memory Module

Processor Technology Corporation
Emeryville, CA 94608

The 8KRA static memory module has all the same outstanding features of the 4KRA. Because its static memories do not require refreshing, **speed of actual operation is much faster.** (Dynamic memories require time-consuming refresh periods at least 32,000 times per second.) The RAM's used in the 8KRA boards typically require one-half the power of 2102A-4 or 8101 type RAM's. And, **the 8KRA uses even less power than two 4KRA boards.** All RAM's are manufactured to military specification MIL STD-883C, assuring greatest control over reliability.

The 8KRA has fully buffered address and data lines, and extensive noise immunity circuitry is built-in. The module contains our exclusive KSET switch, which allows the card address to **offset in 1K increments,** such as from 3 to 11K. The address is set by a dual-inline switch, conveniently placed at the top of the PC board. Next to the switch is a connector and recharging circuitry for battery back-up supply connection.

Every integrated circuit (there are 76) has its own premium grade, low-profile IC socket. Use of IC sockets is more expensive, but certainly well worth the extra cost. Using IC sockets makes assembly, test and repair of any circuit board module a hundred times simpler and easier.

Specifications:

Maximum Capacity:	8192 8-bit bytes
Operating Mode:	Static
Access and Cycle Times:	520 nano-seconds worst-case maximum, 0°-70°C, read or write; 400 nsec. typical.
Bus Pinout:	Plug-in compatible with Sol System, Altair 8800 and IMSAI 8080 bus
Edge Contacts:	Gold-plated, 100 pins (dual 50) on .125" centers.
Power Requirements, Operating:	+7.5 to +10 VDC at 1.4A typical (25°C); 1.9A maximum (0°-70°C)
Power Requirements, Standby:	+1.6 to 2.5 VDC at 0.7A typical; 0.9A maximum (power connector provided for battery connection)
Address Selection:	Dual-inline switch at top of PC board allows manual selection of any 8K segment (in 1K increments) from 0-65K.
Dimensions:	5.3" x 10" (13.46cm x 25.4cm)

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10266-4559