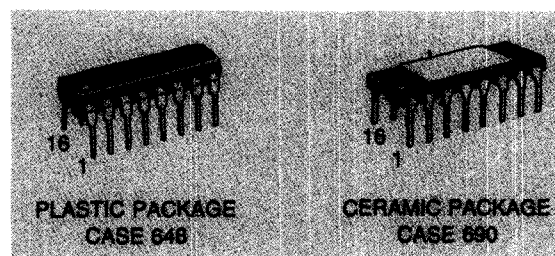


# Memories - MOS

## Random Access Memories (RAMs)

### NMOS RAMs — Dynamic

High speed, high density and low cost have made N-Channel dynamic Random Access Memories the cornerstones of the expanding computer industries. Motorola NMOS RAMs combine high performance with excellent reliability.



### NMOS Dynamic RAMs

Organization	Part Number	Suffix	Access Time (ns Max.)	Power Supplies	Package	Comments
16K × 1	MCM4517	P10 P12 P15	100 120 150	+ 5.0 V	P-Plastic Case 648	HMOS Silicon-gate Process

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### NMOS RAMs — Static

Fabricated with Motorola's high-performance silicon-gate MOS (HMOS) technology, these static RAMs offer the most popular memory organizations with RAM capacity up to 16K bytes. All operate from a single 5.0 V supply and are TTL compatible.

### NMOS Static RAMs

Organization	Part Number	Suffix	Access time (ns Max.)	Package	Comments
128 × 8	MCM6810 MCM68A10 MCM68B10	P/L/S P/L/S P/L/S	450 360 250	P-Plastic Case 709 L-Ceramic Case 716 S-Cerdip Case 623	Especially well-suited for M6800 processor adaptability. Multiple chip-select inputs for simple memory expansion.
1 K × 4	MCM2114	P20 P30 P45	200 300 450	P-Plastic Case 707	Separate chip-select lead for easy package selection when the three-state outputs are OR-tied.
2K × 8	MCM2016H	N45/P45 N55/P55 N70/P70	45 55 70	N-Plastic 300 mil Case 724 P-Plastic 600 mil Case 709	For high speed applications such as cache memories or sub-100 ns buffer memory systems.
16K × 1	MCM2167H	P45/Z45 P55/Z55	45 55	P-Plastic Case 738 Z-Leadless Pin Carrier Case 752B	High-speed (sub-100 ns) memory with chip-enable feature that reduces power dissipation automatically during standby mode.