

## CMOS Static RAM Modules

### LCC RAM Module - 16384 x 4 / 8192 x 8 - 64K Synchronous

Type	Features	Access Time	Power Supply Current		Replaces Pin for Pin	Module Substrate No. of Pins
			Operating	Standby		
HM5-6564	<ul style="list-style-type: none"> <li>• Low Power Standby 4mW Maximum</li> <li>• Low Power Operation 280mW/MHz Maximum</li> <li>• Data Retention 2.0V Minimum</li> <li>• TTL-Compatible In/Out</li> <li>• Three-State Outputs</li> <li>• Fast Access Time 350ns Maximum</li> <li>• Wide Operating-Temperature Ranges:               <ul style="list-style-type: none"> <li>▶ HM-6564-5 0°C to +70°C</li> <li>▶ HM-6564-9 -40°C to +85°C</li> <li>▶ HM-6564-2/-8 -55°C to +125°C</li> </ul> </li> <li>• On-Chip Address Registers</li> <li>• Organizable 8K x 8 or 16K x 4</li> <li>• 40-Pin DIP Pinout - 2.000" x 0.900"</li> </ul>	350ns	56/28mA	800µA	-	40, MA
HM5-6564-5		450ns	60/30mA	5.6mA	-	

\* See interpretation guide and package availability chart

### CMOS PROMs - 4K and 16K

#### 512 x 8 - 4K Synchronous

Type	Features	Fuse Element	Access Time	Power Supply Current		Replaces Pin for Pin	Package No. of Pins
				Operating	Standby		
HM-6642B	<ul style="list-style-type: none"> <li>• TTL-Compatible In/Out</li> <li>• Popular Pinout Like Bipolar 7641</li> <li>• Three-State Outputs</li> <li>• Address Latches Included On-Chip</li> <li>• Easy Microprocessor Interfacing</li> <li>• Wide Operating Temperature Ranges:               <ul style="list-style-type: none"> <li>▶ HM-6642-9 -40°C to +85°C</li> <li>▶ HM-6642-8 -55°C to +125°C</li> </ul> </li> </ul>	NiCr	120ns	20mA/MHz	100µA	Harris 6641 Similar to: Harris 7641	24 5J, DC
HM-6642		NiCr	200ns	20mA/MHz	100µA	Signetics 82S141	

\* See interpretation guide and package availability chart

#### 2048 x 8 - 16K Synchronous

Type	Features	Fuse Element	Access Time	Power Supply Current		Replaces Pin for Pin	Package No. of Pins
				Operating	Standby		
HM-6617B	<ul style="list-style-type: none"> <li>• Industry-Standard Pinout</li> <li>• Single 5.0V Supply</li> <li>• TTL-Compatible Inputs</li> <li>• High Output Drive 12 LSTTL Loads</li> <li>• Synchronous Operation</li> <li>• On-Chip Address Latches</li> <li>• Separate Output Enable</li> <li>• Wide Operating-Temperature Range:               <ul style="list-style-type: none"> <li>▶ HM-6617-9 -40°C to +85°C</li> <li>▶ HM-6617-8 -55°C to +125°C</li> </ul> </li> </ul>	NiCr	90ns	20mA/MHz	100µA	Harris 6616 Similar to: NMOS 2716 National 27C16	24 5J, DC
HM-6617		NiCr	120ns	20mA/MHz	100µA	National 6716	

\* See package section, packaging availability chart