

## Product Preview

# 4 Megabit 128K x 32 Bit Fast SRAM Multi-Chip Module

The 46226 is a 4,096,000 bit static random access memory organized as 131,072 words of 8, 16, 24 or 32 bits. The module is constructed using four 6226 static RAM die mounted in a multilayer co-fired hermetic ceramic sealed package.

- High Density 4.0 Megabit SRAM (128K x 32)
- High Speed CMOS SRAMS
- Fast Access Time — Military 25 ns (Max)
- Available in 68 pin hermetic package (1.7 inch x 0.900 inch)
- Single 5.0 V ( $\pm 10\%$ ) Power Supply
- Two Module Controls  $\bar{E}$ ,  $\bar{E}$  for Automatic Power Down  
 $\bar{G}$  for Fast Access to Data

Pin Names and Function	
A <sub>0</sub> — A <sub>16</sub>	Address Inputs
$\bar{W}$	Write Enable
E <sub>0</sub> — E <sub>3</sub> , $\bar{E}_0$ — $\bar{E}_3$	Chip Enable
$\bar{G}$	Output Enable
I/O <sub>0</sub> — I/O <sub>31</sub>	Data I/O
V <sub>CC</sub>	+ 5.0 volt Power Supply
V <sub>SS</sub>	Ground

Truth Table							
E	$\bar{E}$	$\bar{G}$	$\bar{W}$	Mode	V <sub>CC</sub> Currents	I/O Pin	Cycle
L	X	X	X	Not Selected	I <sub>ISB1</sub> , I <sub>ISB2</sub>	HI-Z	—
X	H	X	X	Not Selected	I <sub>ISB1</sub> , I <sub>ISB2</sub>	HI-Z	—
H	L	H	H	Read	I <sub>CCA</sub>	HI-Z	—
H	L	L	H	Read	I <sub>CCA</sub>	DOUT	Read Cycle
H	L	X	L	Write	I <sub>CCA</sub>	DIN	Write Cycle

X = Don't Care

### CAPACITANCE:

(f = 1.0 MHz, dV = 3.0 V, T<sub>A</sub> = 25°C, Periodically Sampled Rather Than 100% Tested)

Characteristic	Symbol	Typ	Max	Unit
Input Capacitance All Inputs Except $\bar{E}$ , E and I/O	C <sub>in</sub>	16	24	pF
	C <sub>in</sub>	20	28	pF
I/O Capacitance DQ (I/O)	C <sub>I/O</sub>	20	28	pF

## Military 46226

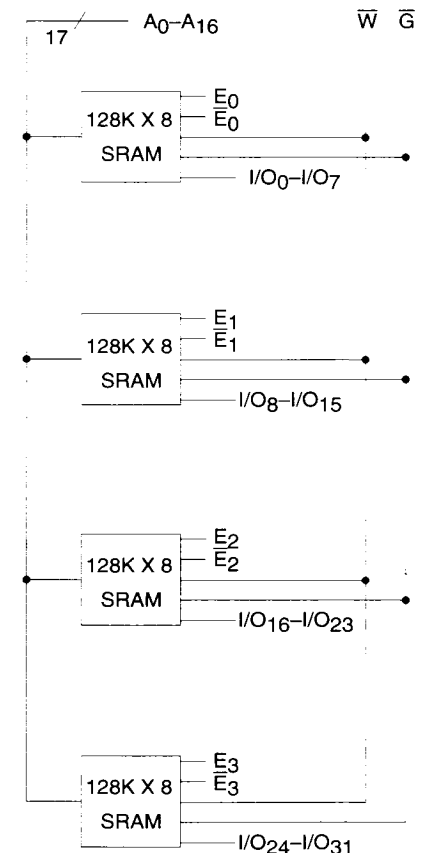


SRAM MULTI-CHIP MODULE

### AVAILABLE AS

1) JAN: N/A  
2) SMD: N/A  
3) 883: Planned  
X = CASE OUTLINE AS FOLLOWS:  
PACKAGE:  
DIL: 46226-XX/BXAJC  
(Form Leads) DIL: 46226-XX/BYAJC  
XX = Speed in ns (25, 30, 35, 45)

### BLOCK DIAGRAM

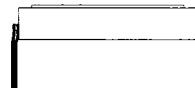
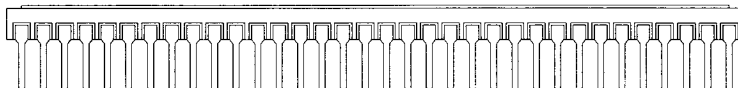


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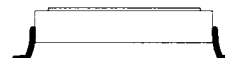


## PACKAGE OFFERING


### 68 PIN DUAL-IN-LINE SIDEBRAZE



### 68 PIN DUAL-IN-LINE SIDEBRAZE (FORMED LEAD OPTION)



FOR MORE INFORMATION CONTACT **DENNIS MAHAR** (602) 897-3541  
CUSTOM MODULE MARKETING

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