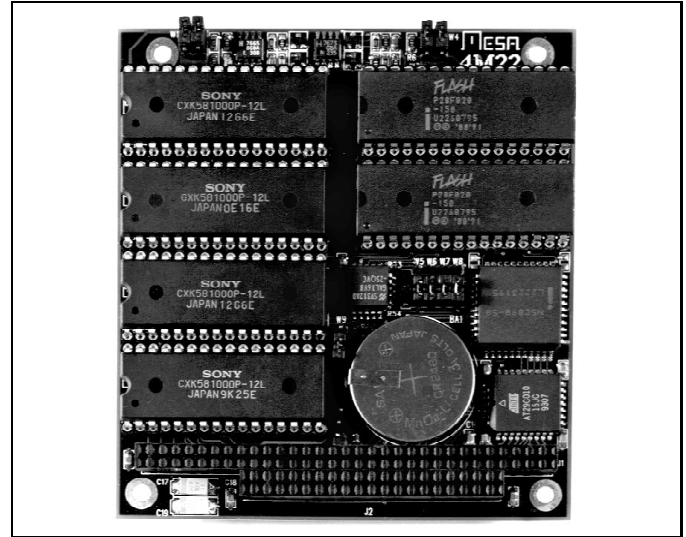


FEATURES:

- Solid State Disk Replacement
- 6 Megabyte capacity
- Emulates standard disk drive
- Flash filing system
- RAM, FLASH, EPROM
- Low power - all CMOS
- Small size
- Made in USA - local support
- 2 year warranty



The 4M22 is a nonvolatile memory module designed as a replacement for mechanical disk drives. The 4M22 will operate reliably in environments that are unsuitable for standard disk drives. Because the 4M22 requires no maintenance, it is ideal for applications with limited accessibility. On board firmware emulates a standard fixed disk controller, and allows booting from the disk emulator.

The 4M22 can use battery backed-up CMOS RAM for general read-write use, flash EEPROM for read-mostly use, or EPROM for low cost read-only file use. The 4M22 can use EPROM, CMOS RAM, and three types of flash EEPROMs: 12V Intel, 5V AMD and 5V Atmel.

Using flash, the 4M22 is not merely a PROMDISK, but a normal read/write drive. The 4M22 firmware includes a built-in, bootable flash filing system that allows continuous file updates without running out of space, or requiring special packing utilities.

The 4M22 uses six 32 pin JEDEC standard memory devices and has a capacity of 3M byte using RAM or EEPROM, and 6 M byte using EPROM. The six sockets are divided into banks of 2 and 4 chips. Each bank can use a different memory type, for example, a 4M22 could be configured with flash EEPROM for updateable program storage and battery backed RAM for frequently rewritten files.

Write inhibit logic and precision power fail sense circuits protect data from inadvertent damage during power-up, power-down, or program malfunction. Disk emulator data integrity can optionally be verified by CRC checking. Utility programs are supplied with the 4M22 for testing flash EEPROM, and RAM disks, and converting the disk emulator memory image to a binary files for EPROM programming.

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4M22 SPECIFICATIONS:

	Min	Max	Units	Notes
POWER REQUIREMENTS:				
Supply voltage	4.5	5.5	V	
Supply current	----	75	mA	
ENVIRONMENTAL:				
Temperature range -C version	0	+70	°C	
Temperature range -I version	-40	+85	°C	
Relative humidity	0	90	Percent	Non-Condensing

ORDERING INFORMATION:

4M22 Disk Emulator
Add -I to specify industrial temperature range