GIMIX SERIAL I/O PROCESSOR FIRMWARE FOR OS-9

Version Identification

At the present time, two versions of the GIMIX 3-port serial I/O processor board (SIOP3), and three versions of the SIOP3 OS-9 firmware are available. Two versions of the OS-9 firmware for the 4-port Serial I/O Processor (SIOP4) are available. The only difference between the firmware versions is the size of the I/O buffers allocated to each port. The standard version of the SIOP3 firmware can be used on both the original SIOP3 (board # 24-0067A), and the newer revision "B" boards (board # 24-0067B). The SIOP3 versions with larger buffers, can only be used with the revision "B" boards and only if the board has 24K of RAM installed. The large buffer versions of the SIOP4 firmware can be used on any SIOP4 board, if it has 24K of RAM installed. The following table can be used to identify the PROMs.

PROM Label		Board Type	Comments
GMX™ SIOP3 OS-9 V2.11 ©1983 MSC	†	All 3-port SIOPs	This is the standard version that only needs 4K of on-board RAM
GMX™ SIOP3 II OS-9 V2.11 O ©1983 MSC	*	Revision "B" 3-port SIOPs ONLY	This version has 256-Byte input buffers and 6.5K output buffers. It requires 24K of RAM.
GMX™ SIOP3 II OS-9 V2.11 IN ©1983 MSC	*	Revision "B" 3-port SIOPs ONLY	This version has 256-Byte output buffers and 6.5K input buffers. It requires 24K of RAM.
GMX™ SIOP4 OS-9 V2.11 ©1983 MSC		All 4-port SIOPs	This is the standard version that only needs 8K of on-board RAM
GMX™ SIOP4 OS-9 V2.11 IN ©1983 MSC		All 4-port SIOPs	This version has 4896-byte input, and 256 byte output buffers. It needs 24K of RAM on the board.

† When used with revision "B" boards, the board must be configured for Memory Configuration 1, with 4K of memory available from $1800 to $27FF (see the hardware documentation).

* The board must be configured for Memory Configuration 2, with 24K of memory available from $0000 to $6000 (see the hardware documentation).

The configuration information (baud rate selection, sense switches, handshaking, etc.) in the IOP software documentation applies to all versions of the firmware.