

## BIOS Version 2.0C:

This was the first production BIOS for this board; it appeared on the 250-4161 board. This BIOS treats SCSI hard drives as though they have 16 heads. In MS-DOS 3.30.00 operation, this BIOS can access all of the space on the SCSI hard drives with a capacity less than 256 Meg; it cannot access all of the space on SCSI hard drives with a capacity greater than 256 MEG.

If any program using the virtual mode of the 80386, or the programs which involve direct hard drive to video transfers, are to be run in the MS-DOS environment using this version of the BIOS, the virtual device driver 700-4161 SCSIHA.SYS must be used in the CONFIG.SYS file and installed on the system boot. Programs which operate in this mode are Windows/386. Desqview/386, MOD386, and others.

When a SCSI tape drive is used, a device driver called SCSITAPE.SYS must be installed in the CONFIG.SYS file if the drive is to be used in the MS-DOS environment. This file is also on the 700-4161 diskette.

## BIOS Version 4.03S:

This BIOS also treats SCSI hard drives as though they have 16 heads. This BIOS appeared on the 250-4161A board as shipped. In MS-DOS 3.30.00 operation, this BIOS can access all of the space on a SCSI hard drive with a capacity less than 256 MEG; it cannot access all of the space on SCSI hard drives with a capacity greater than 256 MEG.

On 80386-based MS-DOS3.30.00 systems, the 700-4161 SCSIHA.SYS driver need no longer be used with virtual mode programs with programs which do direct hard disk to video transfer./ On 80386 or 80386SX systems which do direct hard disk to video transfers, the SCSIHA.SYS file must still be installed.

When a SCSI tape drive is used, a device driver called SCSITAPE.SYS must be installed in the CONFIG.SYS file if the drive is to be used in the MS-DOS environment. This file is also on the 700-4161 diskette.

## BIOS Version 5.01S:

This BIOS treats all SCSI hard drives as though they have 64 heads. This BIOS is only available as a upgrade from National Parts for the 250-4161 and 250-4161A boards. In MS-DOS3.30.00 operation, this means that all of the space on all SCSI drives can be accessed.

On 80386-based MS-DOS3.30.00 systems, the 700-4161 SCSIHA.SYS driver need no longer be used with virtual mode programs with programs which do direct hard disk to video transfer./ On 80386 or 80386SX systems which do direct hard disk to video transfers, the SCSIHA.SYS file must still be installed.

When a SCSI tape drive is used, a device driver called SCSITAPE.SYS must be installed in the CONFIG.SYS file if the drive is to be used in the MS-DOS environment. This file is also on the 700-4161 diskette.

## BIOS Version 4.05S:

This is a 16-head BIOS version. In MS-DOS 3.30.00 operation, this BIOS can

access all of the space on SCSI hard drives with a capacity less than 256 MEG; it cannot access all of a SCSI hard drive with a capacity greater than 256 MEG.

On MS-DOS 3.30.00 systems, the 700-4161 SCSIHA.SYS driver need no longer be used with virtual mode programs or with programs which do direct hard disk to video transfers.

When a SCSI tape drive is used, a device driver called SCSITAPE.SYS must be installed in the CONFIG.SYS file if the drive is to be used in the MS-DOS environment. This file is also on the 700-4161 diskette.

BIOS Version 5.05S:

This is a 64-head version that is available as an upgrade from National Parts. In MS-DOS 3.30.00 operation, this means that all of the space on all SCSI drives will be available.

On MS-DOS 3.30.00 systems, the 700-4161 SCSIHA.SYS driver need no longer be used with virtual mode programs or with programs which do direct hard disk to video transfers.

When a SCSI tape drive is used, a device driver called SCSITAPE.SYS must be installed in the CONFIG.SYS file if the drive is to be used in the MS-DOS environment. This file is also on the 700-4161 diskette.

Supported 16 and 64 Head Bios Roms:

Board	16 Head BIOS ROMS			64 Head BIOS ROMS	
	2.0C	4.03S	4.05S	5.01S	5.05S
250-4161	yes	yes	yes	yes	yes
250-4161A	no	yes	yes	yes	yes
250-4161B	no	no	yes	yes	yes

(SMM/jlc-03/27/94)