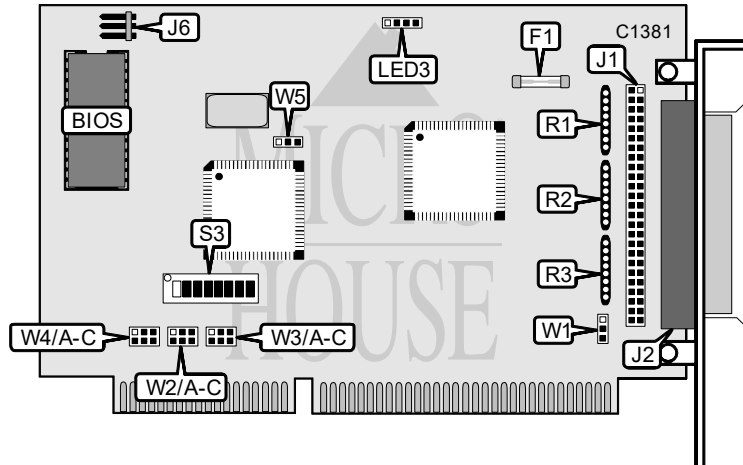


# CMS ENHANCEMENTS, INC.

## HBA - SA0

<b>Data Bus</b>	8/16 bit ISA
<b>Card Size</b>	Full height, half length
<b>Hard Drives Supported</b>	Up to 7 SCSI devices
<b>Floppy Drives Supported</b>	None



CONNECTIONS			
Function	Label	Function	Label
50-pin SCSI connector - internal	J1	1.5A fuse	F1
50-pin SCSI connector - external	J2	4-pin drive active LED	LED3
3-pin DC power out	J6		

USER CONFIGURABLE SETTINGS		
Setting	Label	Position
TERMPWR enabled	W1	Pins 1 & 2 closed
TERMPWR disabled	W1	Pins 2 & 3 closed
Card uses 8-bit transfers	W5	Pins 1 & 2 closed
Card uses 16-bit transfers	W5	Pins 2 & 3 closed

SOFTWARE SUPPORTED CONFIGURATIONS		
BIOS Address	IRQ	DMA
C000h	10	6
C800h	11	6
D000h	12	7
D800h	10	5
Note: IRQ and DMA are BIOS address dependent and must be set in these combinations.		

BIOS ADDRESS SELECTION		
Setting	S3/7	S3/8
C000h	On	On
C800h	Off	On
D000h	On	Off
í D800h	Off	Off

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# CMS ENHANCEMENTS, INC.

## HBA-SA0

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DMA CHANNEL SELECTION						
Setting	W2/A	W2/B	W2/C	W4/A	W4/B	W4/C
í DMA5	Open	Open	Closed	Open	Open	Closed
DMA6	Open	Closed	Open	Open	Closed	Open
DMA7	Closed	Open	Open	Closed	Open	Open

INTERRUPT SELECTION			
Setting	W3/A	W3/B	W3/C
í IRQ10	Open	Open	Closed
IRQ11	Open	Closed	Open
IRQ12	Closed	Open	Open

DMA TRANSFER RATE							
Transfer	DRAM	S3/1	S3/2	S3/3	S3/4	S3/5	S3/6
í 3.33MBps	200-250nS	Off	On	Off	On	Off	Off
4.55MBps	150-200nS	Off	Off	On	On	On	Off
5.56MBps	120-150nS	On	Off	On	Off	Off	On
7.14MBps	80-120nS	Off	On	On	On	Off	On
10MBps	40-80nS	On	On	On	Off	On	On
12.5MBps	<40nS	On	On	On	On	On	On

SCSI TERMINATION			
Setting	R1	R2	R3
Terminated	Installed	Installed	Installed
Not terminated	Not installed	Not installed	Not installed