MONOLITHIC SYSTEMS, INC. (COLORADO MSI)
MICROFRAME 386S6

Processor	80386SX (exact location unidentified)
Processor Speed	16/20MHz
Chip Set	C & T
Video Chip Set	None
Maximum Onboard Memory	8MB
Maximum Video Memory	None
Cache	None
BIOS	AMI
Dimensions	330mm x 215mm
I/O Options	Floppy drive interface, IDE interface, parallel port, PS/2 mouse interface, serial ports (2)
NPU Options	80387SX (exact location unidentified)
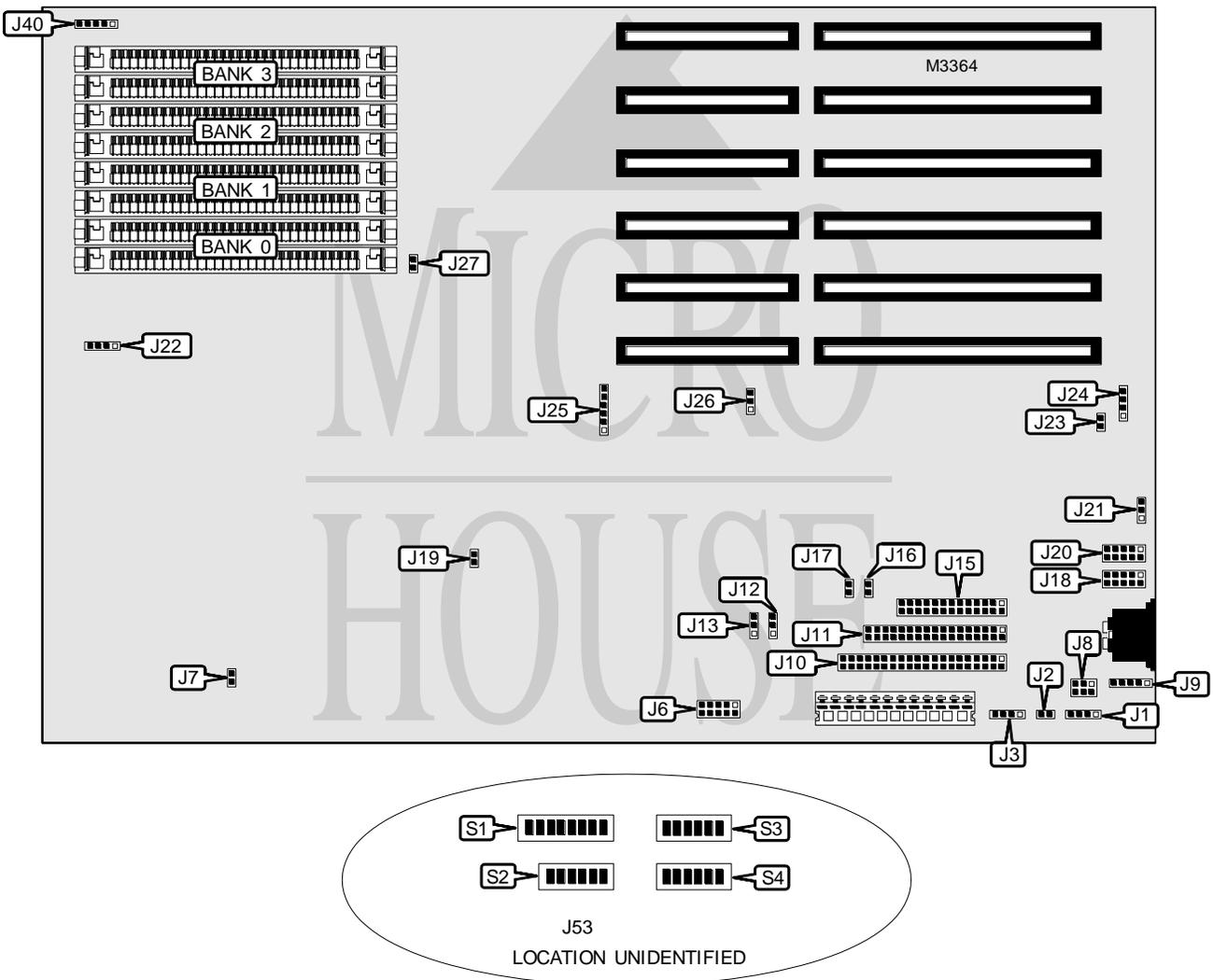
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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
External battery	J1	Ready LED	J16
IDE interface LED	J3	Serial port 1	J18
Front panel connector	J6	Serial port 2	J20
PS/2 mouse interface	J8	Speaker	J22
Auxiliary keyboard connector	J9	Reset switch	J23
IDE interface	J10	IDE access LED	J24
Floppy drive interface	J11	Power LED & keylock	J40
Parallel port	J15		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í CMOS memory normal operation	J2	Open
CMOS memory clear	J2	Closed
í Factory configured - do not alter (oscillators enabled)	J7	Open
Factory configured - do not alter (oscillators disabled)	J7	Closed
PS/2 mouse CLK enabled	J12	Pins 2 & 3 closed
PS/2 mouse CLK disabled	J12	Pins 1 & 2 closed
PS/2 mouse data enabled	J13	Pins 1 & 2 closed
PS/2 mouse data disabled	J13	Pins 2 & 3 closed
PS/2 mouse IRQ12 enabled	J17	Closed
PS/2 mouse IRQ12 disabled	J17	Open
í Pipeline mode enabled	J19	Closed
Pipeline mode disabled	J19	Open
í Monitor type select EGA/VGA	J21	Pins 2 & 3 closed
Monitor type select monochrome	J21	Pins 1 & 2 closed
í Factory configured - do not alter	J25	Unidentified
í Factory configured - do not alter (80387SX ready signal)	J27	Closed
í Factory configured - do not alter	J53	Unidentified
í IDE interface enabled	S1/1	On
IDE interface disabled	S1/1	Off
í IDE IOCHRDY signal from pin 21 (Seagate/CDC/Imprimis/Miniscribe)	S1/2	On
í IDE IOCHRDY signal from pin 27 (Quantum)	S1/3	On
í Factory configured - do not alter	S1/4	Not used
í Floppy drive interface enabled	S1/5	On
Floppy drive interface disabled	S1/5	Off
í Floppy drive change signal enabled	S1/6	On
Floppy drive change signal disabled	S1/6	Off
í Floppy drive speed select single speed	S1/7	Off
Floppy drive speed select two speed	S1/7	On
í Floppy drive pre-compensation value select 125ns	S1/8	Off
Floppy drive pre-compensation value select 187ns	S1/8	On
í Factory configured - do not alter	S4/4	Not used
Note: If using a Conner or Western Digital drive, ignore settings for S1/2 & S1/3.		

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DRAM CONFIGURATION				
Size	**Bank 0**	**Bank 1**	**Bank 2**	**Bank 3**
512KB	(2) 256K x 9	None	None	None
1MB	(2) 256K x 9	(2) 256K x 9	None	None
2MB	(2) 256K x 9	(2) 256K x 9	(2) 256K x 9	(2) 256K x 9
2MB	(2) 1M x 9	None	None	None
3MB	(2) 256K x 9	(2) 256K x 9	(2) 1M x 9	None
4MB	(2) 1M x 9	(2) 1M x 9	None	None
5MB	(2) 256K x 9	(2) 256K x 9	(2) 1M x 9	(2) 1M x 9
6MB	(2) 1M x 9	(2) 1M x 9	(2) 1M x 9	None
8MB	(2) 1M x 9	(2) 1M x 9	(2) 1M x 9	(2) 1M x 9

DMA CHANNEL SELECTION	
Channel	**J26**
í High	Pins 1 & 2 closed
Low	Pins 2 & 3 closed

PARALLEL PORT LPT/IRQ SELECTION					
LPT/IRQ	**S4/1 LPT1**	**S4/2 LPT2**	**S4/3 LPT3**	**S4/5 IRQ5**	**S4/6 IRQ7**
Disabled	Off	Off	Off	Off	Off
í LPT1/IRQ7	On	Off	Off	Off	On
LPT2/IRQ5	Off	On	Off	On	Off
LPT/IRQ7	Off	Off	On	Off	On

SERIAL PORT 1 COM/IRQ SELECTION						
COM/IRQ	**S3/1 COM1**	**S3/2 COM2**	**S3/3 COM3**	**S3/4 COM4**	**S3/5 IRQ3**	**S3/6 IRQ4**
Disabled	Off	Off	Off	Off	Off	Off
í COM1/IRQ4	On	Off	Off	Off	Off	On
COM2/IRQ3	Off	On	Off	Off	On	Off
COM3/IRQ4	Off	Off	On	Off	Off	On
COM4/IRQ3	Off	Off	Off	On	On	Off

SERIAL PORT 2 COM/IRQ SELECTION						
COM/IRQ	**S2/1 COM1**	**S2/2 COM2**	**S2/3 COM3**	**S2/4 COM4**	**S2/5 IRQ3**	**S2/6 IRQ4**
Disabled	Off	Off	Off	Off	Off	Off
COM1/IRQ4	On	Off	Off	Off	Off	On
í COM2/IRQ3	Off	On	Off	Off	On	Off
COM3/IRQ4	Off	Off	On	Off	Off	On
COM4/IRQ3	Off	Off	Off	On	On	Off