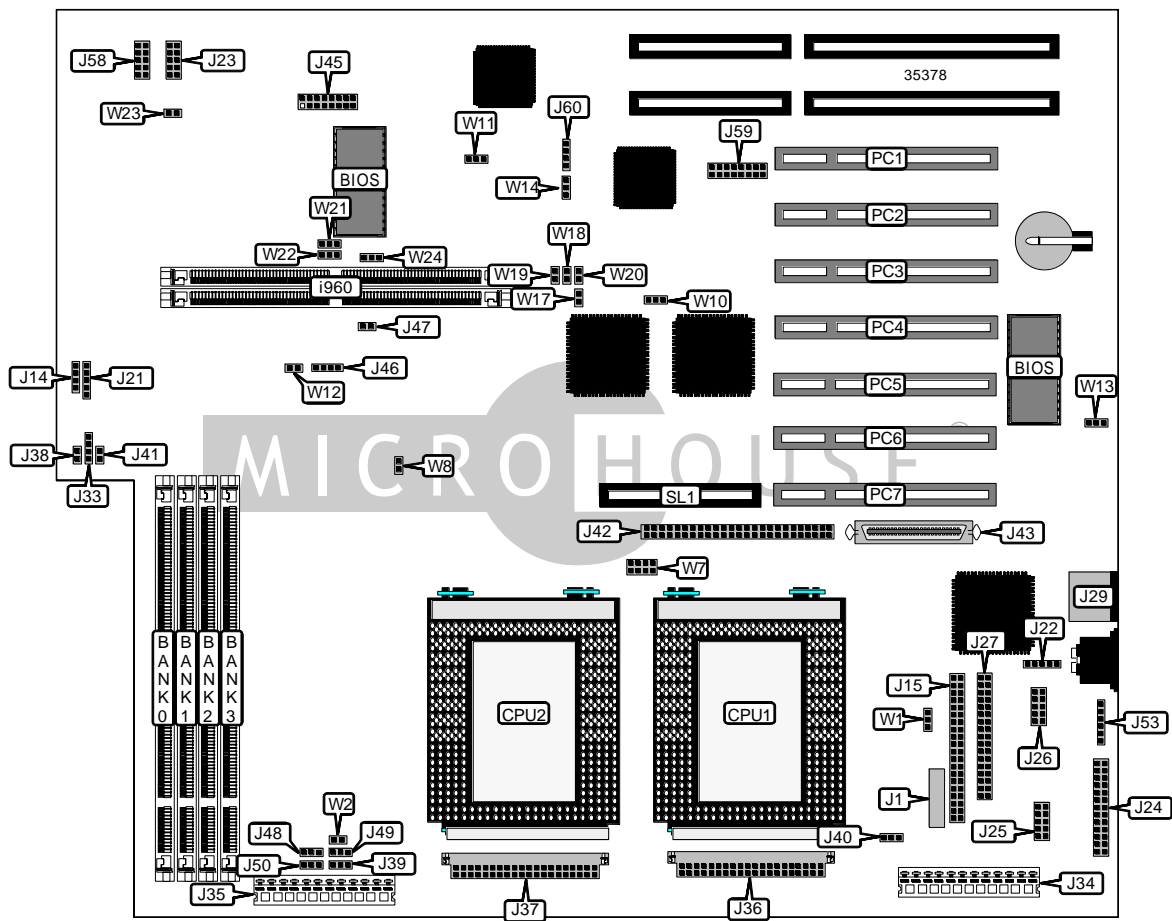


# MICRONICS COMPUTERS, INC.

## M 6 D P I

<b>Device Type</b>	Mainboard
<b>Processor</b>	Pentium Pro
<b>Processor Speed</b>	150/166/180/200MHz
<b>Chip Set</b>	Unidentified
<b>Video Chip Set</b>	Cirrus Logic
<b>Maximum Onboard Memory</b>	1GB (EDO supported)
<b>Maximum i960 Memory</b>	128MB
<b>Maximum Video Memory</b>	None
<b>Cache</b>	256/512KB (located on Pentium Pro CPU)
<b>BIOS</b>	Phoenix
<b>Dimensions</b>	305mm x 244mm
<b>I/O Options</b>	32-bit PCI slots (7), floppy drive interface, IDE interface, SCSI interface, Wide SCSI interface, parallel port, PS/2 mouse port, serial ports (2), VGA interface, IR connector, VRM connectors (2), USB connector, RAID slot
<b>NPU Options</b>	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
Speaker	J14	Chassis fan power	J39
IDE interface	J15	Chassis fan power	J40
Power LED & keylock	J21	Reset switch	J41
IR connector	J22	SCSI interface	J42
USB connector	J23	Wide SCSI interface	J43
Parallel port	J24	VGA interface	J45
Serial port 1	J25	Soft off power supply	J46
Serial port 2	J26	Soft power switch	J47
Floppy drive interface	J27	Chassis fan power	J48
PS/2 mouse port	J29	Chassis fan power	J49
SCSI/IDE interface LED	J33	Chassis fan power	J50
5v power	J34	5v auxiliary power	J53
3.3v power	J35	i960 serial port	J58
VRM connector 1	J36	I2C connector	J60
VRM connector 2	J37	32-bit PCI slots	PC1 – PC7
Turbo LED	J38	RAID slot	SL1

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Factory configured - do not alter	J1	Unidentified
í Factory configured - do not alter	J59	Unidentified
í Factory configured - do not alter	W1	Unidentified
Memory ECC enabled	W2	Open
Memory ECC disabled	W2	Closed
í Fast SCSI enabled	W10	Pins 1 & 2 closed
Fast SCSI disabled	W10	Pins 2 & 3 closed
í On board video enabled	W11	Pins 1 & 2 closed
On board video disabled	W11	Pins 2 & 3 closed
Forced cycling normal operation	W12	Pins 1 & 2 closed
Forced cycling on	W12	Pins 2 & 3 closed
í CMOS memory normal operation	W13	Pins 1 & 2 closed
CMOS memory clear	W13	Pins 2 & 3 closed
Wide SCSI auto detect	W14	Pins 1 & 2 closed
Wide SCSI enabled	W14	Pins 2 & 3 closed
í Factory configured - do not alter	W21	Unidentified
í Factory configured - do not alter	W22	Unidentified
í Factory configured - do not alter	W23	Pins 1 & 2 closed
í Factory configured - do not alter	W24	Unidentified

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DIMM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
8MB	(1) 1M x 64	None	None	None
16MB	(1) 2M x 64	None	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None	None
24MB	(1) 2M x 64	(1) 1M x 64	None	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	None
32MB	(1) 4M x 64	None	None	None
32MB	(1) 2M x 64	(1) 2M x 64	None	None
32MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
40MB	(1) 4M x 64	(1) 1M x 64	None	None
48MB	(1) 4M x 64	(1) 2M x 64	None	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	None
64MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None	None	None
64MB	(1) 4M x 64	(1) 4M x 64	None	None
72MB	(1) 8M x 64	(1) 1M x 64	None	None
80MB	(1) 8M x 64	(1) 2M x 64	None	None
96MB	(1) 8M x 64	(1) 4M x 64	None	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	None
128MB	(1) 16M x 64	None	None	None
128MB	(1) 8M x 64	(1) 8M x 64	None	None
128MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
136MB	(1) 16M x 64	(1) 1M x 64	None	None
144MB	(1) 16M x 64	(1) 2M x 64	None	None
152MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None	None
176MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	None
224MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
256MB	(1) 32M x 64	None	None	None
256MB	(1) 16M x 64	(1) 16M x 64	None	None
256MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
272MB	(1) 16M x 64	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
280MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
288MB	(1) 16M x 64	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
304MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64

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DIMM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
320MB	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
320MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
352MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	None
448MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None	None
512MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
640MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	None
1024MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64

Note: Board accepts EDO memory.

i960 MEMORY CONFIGURATION		
Size	Bank 0	Bank 1
4MB	(1) 1M x 36	None
8MB	(1) 2M x 36	None
8MB	(1) 1M x 36	(1) 1M x 36
12MB	(1) 2M x 36	(1) 1M x 36
16MB	(1) 4M x 36	None
16MB	(1) 2M x 36	(1) 2M x 36
20MB	(1) 4M x 36	(1) 1M x 36
24MB	(1) 4M x 36	(1) 2M x 36
32MB	(1) 8M x 36	None
32MB	(1) 4M x 36	(1) 4M x 36
36MB	(1) 8M x 36	(1) 1M x 36
40MB	(1) 8M x 36	(1) 2M x 36
40MB	(1) 2M x 36	(1) 8M x 36
48MB	(1) 8M x 36	(1) 4M x 36
48MB	(1) 4M x 36	(1) 8M x 36
64MB	(1) 8M x 36	(1) 8M x 36
64MB	(1) 16M x 36	None
68MB	(1) 16M x 36	(1) 1M x 36
72MB	(1) 16M x 36	(1) 2M x 36
80MB	(1) 16M x 36	(1) 4M x 36
96MB	(1) 16M x 36	(1) 8M x 36
128MB	(1) 16M x 36	(1) 16M x 36

CACHE CONFIGURATION
Note: 256KB/512KB cache is located on the Pentium Pro CPU.

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CPU SPEED SELECTION							
CPU speed	Clock speed	Multiplier	W7/pins 1 & 2	W7/pins 3 & 4	W7/pins 5 & 6	W7/pins 7 & 8	W8
150MHz	60MHz	2.5x	Closed	Closed	Closed	Open	Closed
166MHz	66MHz	2.5x	Closed	Closed	Closed	Open	Open
180MHz	60MHz	3x	Closed	Closed	Open	Closed	Closed
200MHz	66MHz	3x	Closed	Closed	Open	Closed	Open

i960 SELECTION		
Setting	W17	W18
í Enabled	Open	Open
Disabled	Closed	Closed

i960 MODE SELECTION		
Mode	W19	W20
0	Closed	Closed
í 3	Open	Open