MICRONICS COMPUTERS, INC.
S P I T F I R E   E X

Processor	Pentium II
Processor Speed	233/266/300/333/366/400MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	1GB (EDO & SDRAM supported)
Maximum Video Memory	None
Cache	256/512KB (located on Pentium II CPU)
BIOS	Phoenix
Dimensions	305mm x 244mm
I/O Options	32-bit PCI slots (3), floppy drive interface, game/MIDI interface, IDE interfaces (2), SCSI interface, Wide SCSI interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector, AGP slot, line in, line out, microphone in, audio in – CD-ROM
NPU Options	None
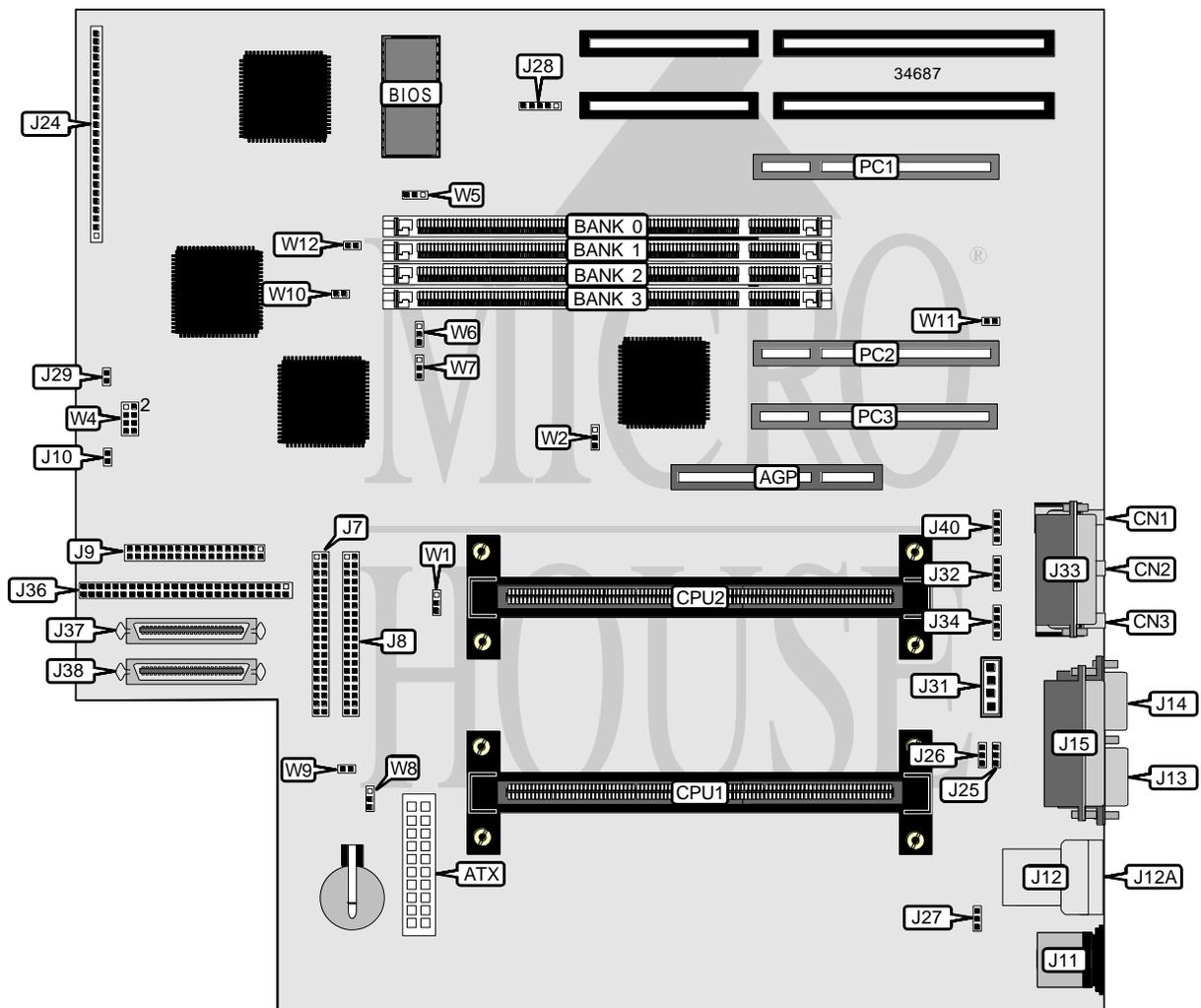
MICRONICS COMPUTERS, INC.
S P I T F I R E   E X

CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
AGP slot	AGP	Power LED	J24/pins 18 - 20
ATX power connector	ATX	Reset switch	J24/pins 22 & 23
Microphone in	CN1	Speaker	J24/pins 24 - 27
Line in	CN2	CPU fan power 1	J25
Line out	CN3	CPU fan power 2	J26
IDE interface 1	J7	Chassis fan power	J27
IDE interface 2	J8	I2C connector	J28
Floppy drive interface	J9	Chassis intrusion connector	J29
IDE interface LED	J10	Audio in – CD-ROM	J31
PS/2 mouse port	J11	Modem/Telephony connector	J32
USB connector 1	J12	Game/MIDI port	J33
USB connector 2	J12A	Audio line in	J34
Serial port 1	J13	SCSI interface	J36
Serial port 2	J14	Wide SCSI interface	J37
Parallel port	J15	Wide SCSI interface	J38
Soft off power supply	J24/pins 1 & 2	Wake on LAN connector	J39
IR connector	J24/pins 6 - 11	Auxiliary audio line in	J40
IDE interface LED	J24/pins 13 - 16	32-bit PCI slots	PC1 – PC3
Note: The location J39 is unidentified.			

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í Host bus agents pipeline mode normal operation	W2	Pins 2 & 3 closed
Host bus agents pipeline mode reserved	W2	Pins 1 & 2 closed
í Factory configured - do not alter	W5	Unidentified
í CMOS memory normal operation	W8	Pins 1 & 2 closed
CMOS memory clear	W8	Pins 2 & 3 closed
í Soft off power supply switch enabled	W9	Open
Forced cycling enabled	W9	Closed
í Sound enabled/disabled through BIOS	W10	Closed
Sound disabled through hardware	W10	Open
í Wavetable enabled/disabled through BIOS	W11	Closed
Wavetable disabled through hardware	W11	Open
í SCSI enabled/disabled through BIOS	W12	Closed
SCSI disabled through hardware	W12	Open

MICRONICS COMPUTERS, INC.
S P I T F I R E   E X

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) 2M x 64	(1) 2M x 64	None	None
32MB	(1) 4M x 64	None	None	None
32MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
40MB	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64	None
40MB	(1) 2M 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) 2M x 64	(1) 2M x 64	(1) 2M x 64	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64	None
56MB	(1) 4M x 64	(1) 2M x 64	(1) 1M x 64	None
56MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
64MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None	None
64MB	(1) 8M x 64	None	None	None
80MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
80MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64	None	None
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	None
96MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
112MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
112MB	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64	None
112MB	(1) 8M x 64	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
128MB	(1) 16M x 64	None	None	None
128MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64	None
128MB	(1) 8M x 64	(1) 8M x 64	None	None
160MB	(1) 16M x 64	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	None
224MB	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64	None
256MB	(1) 16M x 64	(1) 16M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64

MICRONICS COMPUTERS, INC.
S P I T F I R E   E X

DIMM CONFIGURATION (CON'T)				
Size	**Bank 0**	**Bank 1**	**Bank 2**	**Bank 3**
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64	None
256MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
288MB	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64	None
320MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	None
384MB	(1) 16M x 64	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
448MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 8M x 64
512MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
1024MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64
Note: Board accepts EDO & SDRAM memory. EDO maximum is 1GB & SDRAM maximum is 512MB.				

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

CPU SPEED SELECTION				
CPU speed	**Clock speed**	**Multiplier**	**W1**	**W4**
233MHz	66MHz	3.5x	2 & 3	1 & 2, 3 & 4
266MHz	66MHz	4x	2 & 3	1 & 2, 5 & 6, 7 & 8
300MHz	66MHz	4.5x	2 & 3	1 & 2, 5 & 6
333MHz	66MHz	5x	2 & 3	1 & 2, 7 & 8
366MHz	66MHz	5.5x	2 & 3	1 & 2
400MHz	66MHz	6x	2 & 3	3 & 4, 5 & 6, 7 & 8
Note: Pins designated should be in the closed position.				

USB SELECTION		
Setting	**W6**	**W7**
í Secondary USB (J12) routed to J12	Pins 2 & 3 closed	Pins 2 & 3 closed
Secondary USB (J12) routed to AGP	Pins 1 & 2 closed	Pins 1 & 2 closed