DATAEXPERT CORPORATION
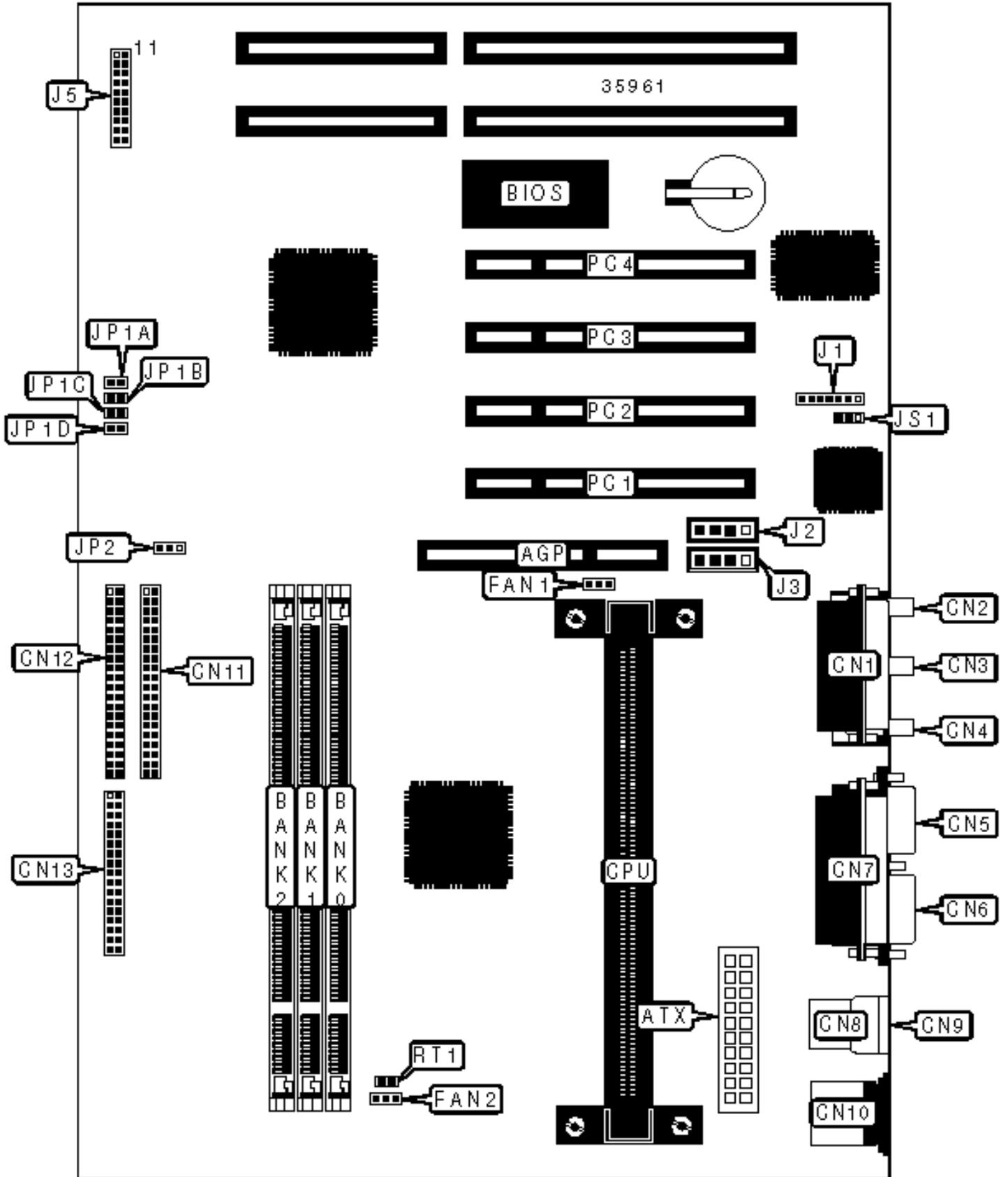
MBX8440-OS

Configuration

CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Chassis fan power	FAN1
ATX power connector	ATX	CPU fan power	FAN2
Game/MIDI port	CN1	IR connector	J1
Microphone in	CN2	Audio in - CD-ROM (Sony)	J2
Line in	CN3	Audio in - CD-ROM (Panasonic)	J3
Line out	CN4	Power LED & keylock	J5/pins 1 - 5
Serial port 2	CN5	IDE interface LED	J5/pins 6 & 16
Serial port 1	CN6	Green PC LED	J5/pins 7 & 17
Parallel port	CN7	Green PC connector	J5/pins 8 & 18
USB connector 1	CN8	Soft off power supply	J5/pins 9 & 19
USB connector 2	CN9	Reset switch	J5/pins 10 & 20
PS/2 mouse port	CN10	Speaker	J5/pins 11 - 14
IDE interface 2	CN11	Wake on LAN connector	JS1
IDE interface 1	CN12	Thermistor connector	RT1
Floppy drive interface	CN13	32-bit PCI slots	PC1 - PC4

DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
8MB	(1) 1M x 64	None	None
16MB	(1) 2M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None	None

Size	Bank 0	Bank 1	Bank 2
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64	None
40MB	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
56MB	(1) 4M x 64	(1) 2M x 64	(1) 1M x 64
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64	None
72MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64

DIMM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
80MB	(1) 8M x 64	(1) 2M x 64	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
88MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
104MB	(1) 8M x 64	(1) 4M x 64	(1) 1M x 64
112MB	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64
128MB	(1) 16M x 64	None	None

128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64	None
136MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64	None
144MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
152MB	(1) 16M x 64	(1) 2M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None
160MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
168MB	(1) 16M x 64	(1) 4M x 64	(1) 1M x 64
176MB	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
200MB	(1) 16M x 64	(1) 8M x 64	(1) 1M x 64
208MB	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
Note: Board accepts EDO & SDRAM memory.			

CACHE CONFIGURATION

256KB/512KB cache is located on the Pentium II CPU. 128KB cache is located on the Celeron 300A & 333 C

CPU SPEED SELECTION							
CPU speed	Clock speed	Multiplier	JP2	JP1A	JP1B	JP1C	JP1D
233MHz	66MHz	3.5x	2 & 3	Open	Open	Closed	Open
266MHz	66MHz	4x	2 & 3	Closed	Closed	Open	Closed
300MHz	66MHz	4.5x	2 & 3	Open	Closed	Open	Closed
300MHz	100MHz	3x	1 & 2	Closed	Open	Closed	Open
333MHz	66MHz	5x	2 & 3	Closed	Open	Open	Closed
350MHz	100MHz	3.5x	1 & 2	Open	Open	Closed	Open
400MHz	100MHz	4x	1 & 2	Closed	Closed	Open	Closed
450MHz	100MHz	4.5x	1 & 2	Open	Closed	Open	Closed

Note: Pins designated should be in the closed position.