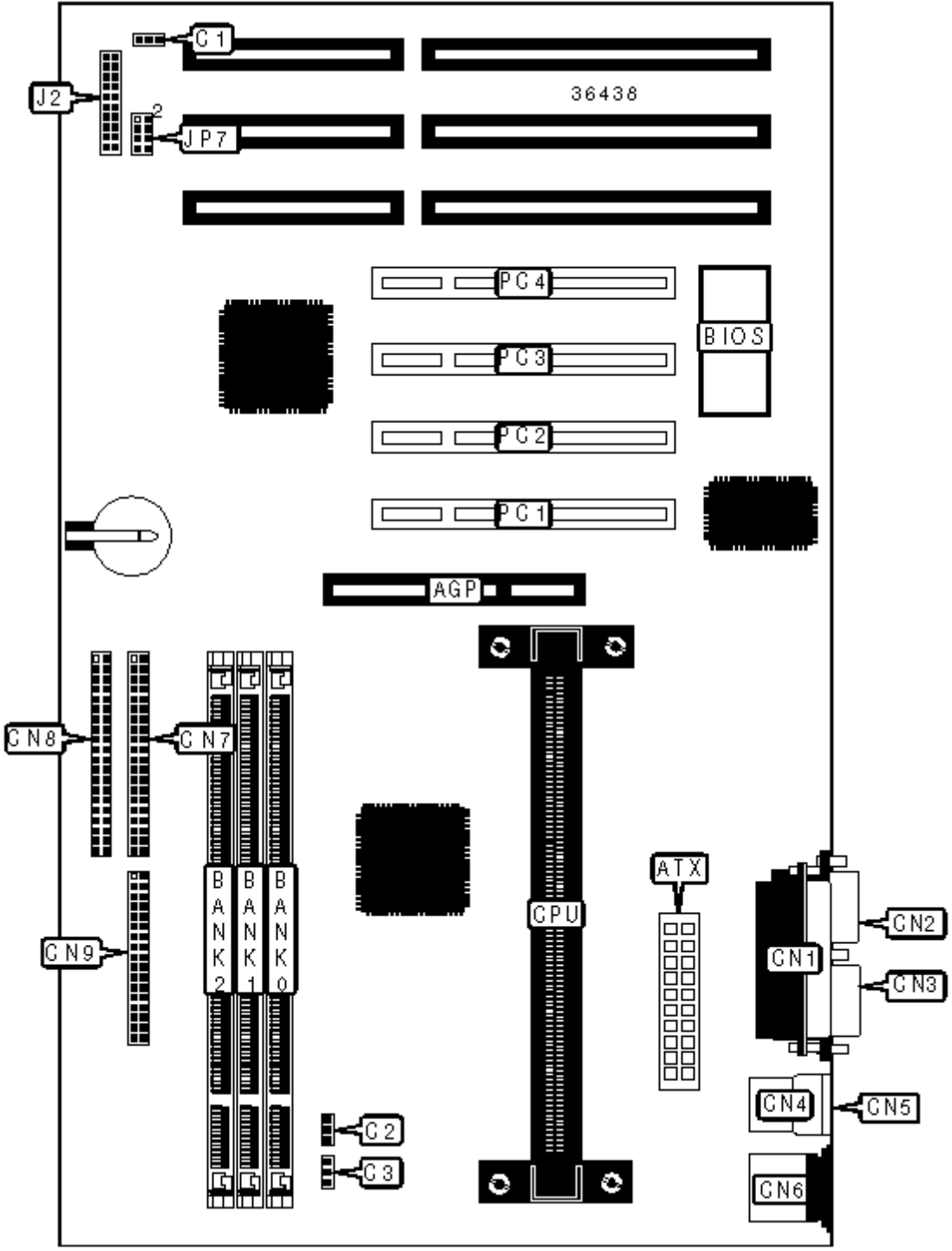
EFA CORPORATION

E6BX-ATX

Device Type	Mainboard
Processor	Pentium II/Celeron
Processor Speed	166/233/266/300/333/350/400/450MHz
Chip Set	Intel 440BX
Maximum Onboard Memory	384MB (SDRAM supported)
Cache	0/128/256/512KB (located on the CPU)
BIOS	Award
Dimensions	305mm x 180mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector, AGP slot



CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
AGP slot	AGP	IDE interface 2	CN8
ATX power connector	ATX	IDE interface 1	CN9
Power fan power	C1	IR connector	IR1
CPU fan power	C2	Soft off power supply	J1
Chassis fan power	C3	Speaker	J2/pins 1/3/5/7
	CN1		J2/pins 2/4/6/8/10

Parallel port		Power LED & keylock	
Serial port 2	CN2	Turbo LED	J2/pins 11 & 12
Serial port 1	CN3	IDE interface LED	J2/pins 15 & 16
USB connector 1	CN4	Reset switch	J2/pins 17 & 18
USB connector 2	CN5	Green PC LED	J2/pins 19 & 20
PS/2 mouse port	CN6	LAN card boot connector	J3
Floppy drive interface	CN7	32-bit PCI slots	PC1 – PC4
Note: the location of J1, J3 & IR1 are unidentified.			

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
	Keyboard power on enabled	JP1	Pins 1 & 2 closed
	Keyboard power on disabled	JP1	Pins 2 & 3 closed
»	Factory configured - do not alter	JP2	Unidentified
»	CMOS memory normal operation	JP3	Pins 1 & 2 closed
	CMOS memory clear	JP3	Pins 2 & 3 closed
»	Factory configured - do not alter	JP5	Unidentified
Note: The location of the above jumpers is unidentified.			

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
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
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 SDRAM memory.			

CACHE CONFIGURATION
Note: 256KB/512KB cache is located on the Pentium II CPU. 128KB cache is located on the Celeron 300A & 333 CPU.

CPU SPEED SELECTION						
CPU speed	**Clock speed**	**Multiplier**	**JP7/pins 1 & 2**	**JP7/pins 5 & 6**	**JP7/pins 7 & 8**	**JP7/pins 3 & 4**
166MHz	66MHz	2.5x	Closed	Open	Closed	Closed
233MHz	66MHz	3.5x	Closed	Open	Closed	Closed
266MHz	66MHz	4x	Open	Closed	Closed	Open
300MHz	66MHz	4.5x	Open	Open	Closed	Open
333MHz	66MHz	5x	Open	Closed	Closed	Closed

350MHz	100MHz	3.5x	Closed	Open	Closed	Closed
400MHz	100MHz	4x	Open	Closed	Closed	Open
450MHz	100MHz	4.5x	Open	Open	Closed	Closed