EFA CORPORATION
P 5 T X - A T

Processor	CX M1/AM K5/AM K6/Pentium
Processor Speed	75/90/100/120/133/150/166/200MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	256MB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Award
Dimensions	250mm x 220mm
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), cache slot, IR connector, USB connector
NPU Options	None
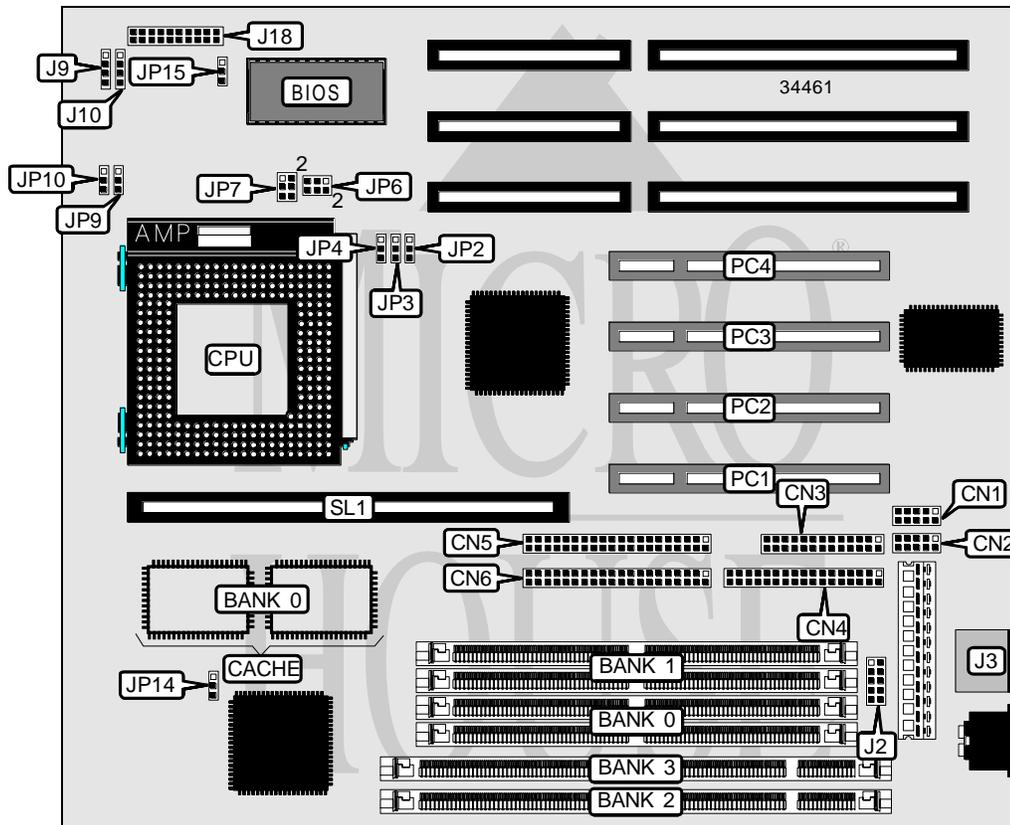
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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
Serial port 2	CN1	Speaker	J18/pins 1, 3, 5, 7
Serial port 1	CN2	Power LED & keylock	J18/pins 2, 4, 6, 8, 10
Parallel port	CN3	Turbo LED	J18/pins 11 & 12
Floppy drive interface	CN4	Green PC connector	J18/pins 13 & 14
IDE interface 2	CN5	IDE interface LED	J18/pins 15 & 16
IDE interface 1	CN6	Reset switch	J18/pins 17 & 18
USB connector	J2	Green PC LED	J18/pins 19 & 20
PS/2 mouse port	J3	32-bit PCI slots	PC1 – PC4
IR connector	J9	Cache slot	SL1
External battery	J10		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í CMOS memory normal operation	JP15	Pins 1 & 2 closed
CMOS memory clear	JP15	Pins 2 & 3 closed

DRAM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
128MB	(2) 16M x 36	None
136MB	(2) 16M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36

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DRAM CONFIGURATION (CON'T)		
Size	**Bank 0**	**Bank 1**
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36
Note: Board accepts EDO memory. Board also accepts x 32 SIMMs. Memory installed in Banks 1 & 2 is interchangeable.		

DIMM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
8MB	(1) 1M x 64	None
16MB	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None
64MB	(1) 4M x 64	(1) 4M x 64
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64

CACHE CONFIGURATION		
Size	**Bank 0**	**SL1**
256KB	(2) 32K x 32	Not installed
512KB	(2) 32K x 32	256KB module installed

CACHE JUMPER CONFIGURATION	
Size	**JP14**
256KB	Pins 1 & 2 closed
512KB	Pins 2 & 3 closed

CPU SPEED SELECTION (CX M1)							
CPU speed	**Clock speed**	**Multiplier**	**JP2**	**JP3**	**JP4**	**JP9**	**JP10**
120MHz	50MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
133MHz	60MHz	2x	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
150MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
166MHz	60MHz	2x	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2
Note: Pins designated should be in the closed position.							

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CPU SPEED SELECTION (AM K5)							
CPU speed	**Clock speed**	**Multiplier**	**JP2**	**JP3**	**JP4**	**JP9**	**JP10**
75MHz	50MHz	1.5x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
90MHz	60MHz	1.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
100MHz	66MHz	1.5x	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
120MHz	60MHz	1.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
133MHz	66MHz	1.5x	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
150MHz	60MHz	1.75x	1 & 2	2 & 3	2 & 3	2 & 3	2 & 3
166MHz	66MHz	1.75x	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3
200MHz	66MHz	2x	2 & 3	2 & 3	2 & 3	1 & 2	2 & 3
Note: Pins designated should be in the closed position.							

CPU SPEED SELECTION (INTEL)							
CPU speed	**Clock speed**	**Multiplier**	**JP2**	**JP3**	**JP4**	**JP9**	**JP10**
75MHz	50MHz	1.5x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
90MHz	60MHz	1.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
100MHz	66MHz	1.5x	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
120MHz	60MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
133MHz	66MHz	2x	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2
150MHz	60MHz	2.5x	1 & 2	2 & 3	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2.5x	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3
200MHz	66MHz	3x	2 & 3	2 & 3	2 & 3	1 & 2	2 & 3
Note: Pins designated should be in the closed position.							

CPU VOLTAGE SELECTION		
Voltage	**JP6**	**JP7**
2.5v	Pins 1 & 2 closed	Pins 1 & 3, 2 & 4 closed
2.8v	Pins 3 & 4 closed	Pins 1 & 3, 2 & 4 closed
3.3v	Pins 2 & 4 closed	Pins 3 & 5, 4 & 6 closed
3.52v	Pins 5 & 6 closed	Pins 3 & 5, 4 & 6 closed