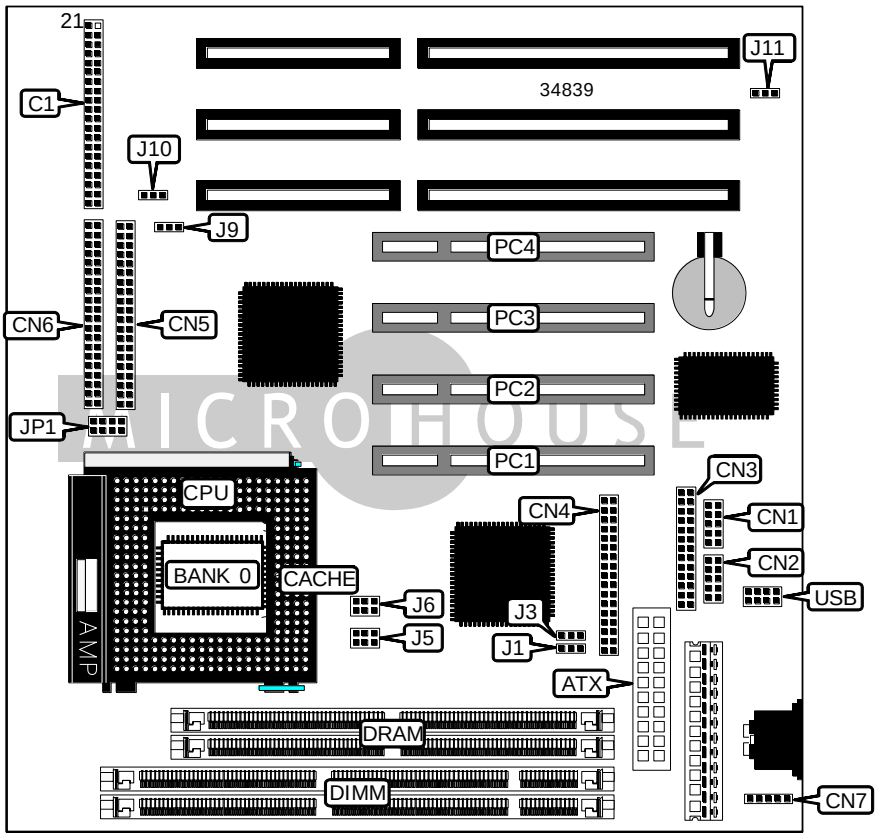
ACHITEC CORPORATION, LTD.
A C H I - 1 5 2

Device Type	Mainboard
Processor	CX 6X86/IBM 6X86/CX 686MX/IBM 6X86MX/IDT/AM K5/ AM K6/Pentium
Processor Speed	90/100/120/133/150/166/180/200/233/266/300/333MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	256MB (EDO & SDRAM supported)
Maximum Video Memory	None
Cache	512KB
BIOS	Award
Dimensions	220mm x 190mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, USB connector, ATX power connector
NPU Options	None



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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	Serial port	CN2
Reset switch	C1/pins 1 & 2	Parallel port	CN3
Power LED & keylock	C1/pins 4 - 8	Floppy drive interface	CN4
Speaker	C1/pins 10 - 13	IDE interface	CN5
Soft off power supply	C1/pins 15 & 16	IDE interface	CN6
IR connector	C1/pins 21 - 25	PS/2 mouse interface	CN7
Green PC connector	C1/pins 32 & 33	CPU fan power	J10
Green PC LED	C1/pins 35 & 36	32-bit PCI slots	PC1 – PC4
IDE interface LED	C1/pins 38 & 39	USB connector	USB
Serial port	CN1		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í CMOS memory normal operation	J9	Pins 1 & 2 closed
CMOS memory clear	J9	Pins 2 & 3 closed
Flash BIOS voltage select 12v	J11	Pins 1 & 2 closed
Flash BIOS voltage select 5v	J11	Pins 2 & 3 closed

SIMM CONFIGURATION	
Size	**Bank 0**
8MB	(2) 1M x 36
16MB	(2) 2M x 36
32MB	(2) 4M x 36
64MB	(2) 8M x 36
128MB	(2) 16M x 36
256MB	(2) 32M x 36
Note: Board accepts EDO memory.	

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

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DIMM CONFIGURATION (CON'T)		
Size	**Bank 0**	**Bank 1**
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) 16M x 64	None
128MB	(1) 8M x 64	(1) 8M x 64
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64
Note: Board accepts SDRAM memory.		

DIMM VOLTAGE CONFIGURATION		
Voltage	**J1**	**J3**
3.3v	Pins 2 & 3 closed	Pins 2 & 3 closed
5v	Pins 1 & 2 closed	Pins 1 & 2 closed

CACHE CONFIGURATION	
Size	**Bank 0**
512KB	(1) 64K x 64

CPU SPEED SELECTION (CX 6X86)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
150MHz	60MHz	2x	Open	Closed	Closed	Closed	Open	Open
166MHz	66MHz	2x	Closed	Open	Closed	Closed	Open	Open
166MHz	60MHz	2.5x	Open	Closed	Closed	Closed	Closed	Open
200MHz	75MHz	2x	Open	Closed	Open	Closed	Open	Open

CPU SPEED SELECTION (IBM 6X86)								
CPU speed	**Clock speed**	**Multiplier**	**J5/1**	**J5/2**	**J5/3**	**J6/1**	**J6/2**	**J6/3**
150MHz	60MHz	2x	Open	Closed	Closed	Closed	Open	Open
166MHz	66MHz	2x	Closed	Open	Closed	Closed	Open	Open
166MHz	60MHz	2.5x	Open	Closed	Closed	Closed	Closed	Open
200MHz	75MHz	2x	Open	Closed	Open	Closed	Open	Open

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CPU SPEED SELECTION (CX 6X86MX)								
CPU speed	**Clock speed**	**Multiplier**	**J5/1**	**J5/2**	**J5/3**	**J6/1**	**J6/2**	**J6/3**
233MHz	75MHz	2.5x	Open	Closed	Open	Closed	Closed	Open
233MHz	66MHz	3x	Closed	Open	Closed	Open	Closed	Open
266MHz	75MHz	3x	Open	Closed	Open	Open	Closed	Open
266MHz	66MHz	3.5x	Closed	Open	Closed	Open	Open	Open

CPU SPEED SELECTION (IBM 6X86MX)								
CPU speed	**Clock speed**	**Multiplier**	**J5/1**	**J5/2**	**J5/3**	**J6/1**	**J6/2**	**J6/3**
233MHz	75MHz	2.5x	Open	Closed	Open	Closed	Closed	Open
233MHz	66MHz	3x	Closed	Open	Closed	Open	Closed	Open
266MHz	75MHz	3x	Open	Closed	Open	Open	Closed	Open
266MHz	66MHz	3.5x	Closed	Open	Closed	Open	Open	Open

CPU SPEED SELECTION (IDT)								
CPU speed	**Clock speed**	**Multiplier**	**J5/1**	**J5/2**	**J5/3**	**J6/1**	**J6/2**	**J6/3**
166MHz	66MHz	2.5x	Closed	Open	Closed	Closed	Closed	Open
200MHz	66MHz	3x	Closed	Open	Closed	Open	Closed	Open

CPU SPEED SELECTION (AM K5)								
CPU speed	**Clock speed**	**Multiplier**	**J5/1**	**J5/2**	**J5/3**	**J6/1**	**J6/2**	**J6/3**
90MHz	60MHz	1.5x	Open	Closed	Closed	Open	Open	Open
100MHz	66MHz	1.5x	Closed	Open	Closed	Open	Open	Open
120MHz	60MHz	2x	Open	Closed	Closed	Closed	Open	Open
133MHz	66MHz	2x	Closed	Open	Closed	Closed	Open	Open
150MHz	60MHz	2.5x	Open	Closed	Closed	Closed	Closed	Open
166MHz	66MHz	2.5x	Closed	Open	Closed	Closed	Closed	Open

CPU SPEED SELECTION (AM K6)								
CPU speed	**Clock speed**	**Multiplier**	**J5/1**	**J5/2**	**J5/3**	**J6/1**	**J6/2**	**J6/3**
166MHz	66MHz	2.5x	Closed	Open	Closed	Closed	Closed	Open
200MHz	66MHz	3x	Closed	Open	Closed	Open	Closed	Open
233MHz	66MHz	3.5x	Closed	Open	Closed	Open	Open	Open
266MHz	66MHz	4x	Closed	Open	Closed	Closed	Open	Closed
300MHz	66MHz	4.5x	Closed	Open	Closed	Closed	Closed	Closed
333MHz	66MHz	5x	Closed	Open	Closed	Open	Closed	Closed

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CPU SPEED SELECTION (INTEL)								
CPU speed	**Clock speed**	**Multiplier**	**J5/1**	**J5/2**	**J5/3**	**J6/1**	**J6/2**	**J6/3**
90MHz	60MHz	1.5x	Open	Closed	Closed	Open	Open	Open
100MHz	66MHz	1.5x	Closed	Open	Closed	Open	Open	Open
120MHz	60MHz	2x	Open	Closed	Closed	Closed	Open	Open
133MHz	66MHz	2x	Closed	Open	Closed	Closed	Open	Open
150MHz	60MHz	2.5x	Open	Closed	Closed	Closed	Closed	Open
166MHz	66MHz	2.5x	Closed	Open	Closed	Closed	Closed	Open
200MHz	66MHz	3x	Closed	Open	Closed	Open	Closed	Open

CPU SPEED SELECTION (INTEL MMX)								
CPU speed	**Clock speed**	**Multiplier**	**J5/1**	**J5/2**	**J5/3**	**J6/1**	**J6/2**	**J6/3**
200MHz	66MHz	3x	Closed	Open	Closed	Open	Closed	Open
233MHz	66MHz	3.5x	Closed	Open	Closed	Open	Open	Open
266MHz	66MHz	4x	Closed	Open	Closed	Closed	Open	Closed
300MHz	66MHz	4.5x	Closed	Open	Closed	Closed	Closed	Closed
333MHz	66MHz	5x	Closed	Open	Closed	Open	Closed	Closed

CPU VOLTAGE SELECTION				
Voltage	**JP1/1**	**JP1/2**	**JP1/3**	**JP1/4**
2.0	Open	Open	Open	Open
2.1	Closed	Open	Open	Open
2.2	Open	Closed	Open	Open
2.3	Closed	Closed	Open	Open
2.4	Open	Open	Closed	Open
2.5	Closed	Open	Closed	Open
2.6	Open	Closed	Closed	Open
2.7	Closed	Closed	Closed	Open
2.8	Open	Open	Open	Closed
2.9	Closed	Open	Open	Closed
3.0	Open	Closed	Open	Closed
3.1	Closed	Closed	Open	Closed
3.2	Open	Open	Closed	Closed
3.3	Closed	Open	Closed	Closed
3.4	Open	Closed	Closed	Closed
3.5	Closed	Closed	Closed	Closed