KADATCO CO., LTD.
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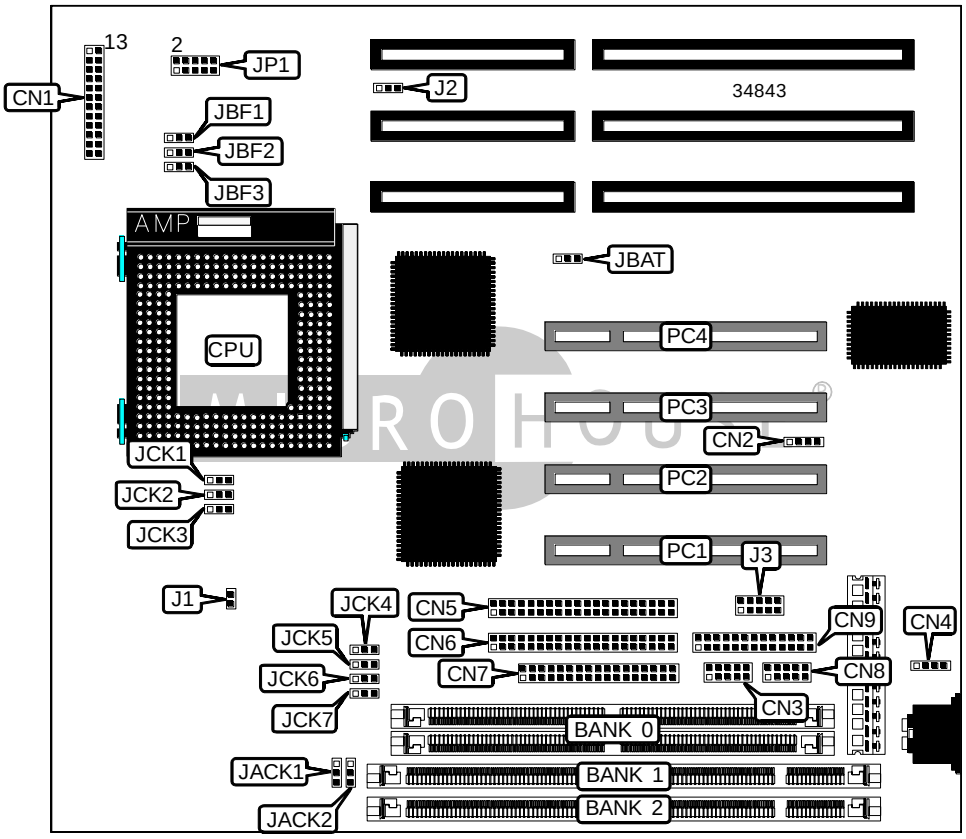
Device Type	Mainboard
Processor	CX 6X86/IBM 6X86/CX 686MX/IBM 6X86MX/AM K5/AM K6/Pentium
Processor Speed	75/90/100/120/133/150/166/180/200/233MHz
Chip Set	VIA
Video Chip Set	None
Maximum Onboard Memory	256MB (EDO & SDRAM supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Award
Dimensions	254mm x 218mm
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), USB connector
NPU Options	None



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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
Power LED & keylock	CN1/pins 1 - 5	IDE interface 1	CN5
Speaker	CN1/pins 7 - 10	IDE interface 2	CN6
IDE interface LED	CN1/pins 12 & 24	Floppy drive interface	CN7
Green PC connector	CN1/pins 17 & 18	Serial port 2	CN8
Reset switch	CN1/pins 21 & 22	Parallel port	CN9
Serial port 1	CN3	USB connector	J3
PS/2 mouse interface	CN4	32-bit PCI slots	PC1 – PC4

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í CMOS memory normal operation	JBAT	Pins 1 & 2 closed
CMOS memory clear	JBAT	Pins 2 & 3 closed
í Factory configured - do not alter	JCK4	Unidentified
í Factory configured - do not alter	J1	Unidentified
í Factory configured - do not alter	J2	Unidentified
í Factory configured - do not alter	CN2	Unidentified

SIMM CONFIGURATION	
Size	**Bank 0**
4MB	(2) 512K x 36
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 1**	**Bank 2**
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	**JACK1**	**JACK2**
í 3.3v	Pins 1 & 2 closed	Pins 1 & 2 closed
5v	Pins 2 & 3 closed	Pins 2 & 3 closed

CACHE CONFIGURATION
Note: The location of the 256KB/512KB is unidentified.

CPU SPEED SELECTION (CX 6X86)								
CPU speed	**Clock speed**	**Multiplier**	**JBF1**	**JBF2**	**JBF3**	**JCK5**	**JCK6**	**JCK7**
120MHz	50MHz	2x	1 & 2	2 & 3	Open	2 & 3	2 & 3	2 & 3
133MHz	55MHz	2x	1 & 2	2 & 3	Open	2 & 3	2 & 3	1 & 2
150MHz	60MHz	2x	1 & 2	2 & 3	Open	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2x	1 & 2	2 & 3	Open	2 & 3	1 & 2	2 & 3
200MHz	75MHz	2x	1 & 2	2 & 3	Open	1 & 2	2 & 3	1 & 2
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (IBM 6X86)								
CPU speed	**Clock speed**	**Multiplier**	**JBF1**	**JBF2**	**JBF3**	**JCK5**	**JCK6**	**JCK7**
166MHz	66MHz	2.5x	1 & 2	2 & 3	Open	2 & 3	1 & 2	2 & 3
200MHz	75MHz	2x	1 & 2	2 & 3	Open	1 & 2	2 & 3	1 & 2
Note: Pins designated should be in the closed position.								

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CPU SPEED SELECTION (CX 6X86MX)								
CPU speed	**Clock speed**	**Multiplier**	**JBF1**	**JBF2**	**JBF3**	**JCK5**	**JCK6**	**JCK7**
166MHz	60MHz	2.5x	1 & 2	1 & 2	Open	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	1 & 2	1 & 2	Open	2 & 3	1 & 2	2 & 3
233MHz	75MHz	2.5x	1 & 2	1 & 2	Open	1 & 2	2 & 3	1 & 2
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (IBM 6X86MX)								
CPU speed	**Clock speed**	**Multiplier**	**JBF1**	**JBF2**	**JBF3**	**JCK5**	**JCK6**	**JCK7**
166MHz	60MHz	2.5x	1 & 2	1 & 2	Open	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	1 & 2	1 & 2	Open	2 & 3	1 & 2	2 & 3
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (AM K5)								
CPU speed	**Clock speed**	**Multiplier**	**JBF1**	**JBF2**	**JBF3**	**JCK5**	**JCK6**	**JCK7**
75MHz	50MHz	1.5x	2 & 3	2 & 3	Open	2 & 3	2 & 3	2 & 3
90MHz	60MHz	1.5x	2 & 3	2 & 3	Open	1 & 2	2 & 3	2 & 3
100MHz	66MHz	1.5x	2 & 3	2 & 3	Open	2 & 3	1 & 2	2 & 3
120MHz	60MHz	2x	2 & 3	2 & 3	Open	1 & 2	2 & 3	2 & 3
133MHz	66MHz	2x	2 & 3	2 & 3	Open	2 & 3	1 & 2	2 & 3
150MHz	60MHz	2.5x	1 & 2	2 & 3	Open	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2.5x	1 & 2	1 & 2	Open	2 & 3	1 & 2	2 & 3
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (AM K6)								
CPU speed	**Clock speed**	**Multiplier**	**JBF1**	**JBF2**	**JBF3**	**JCK5**	**JCK6**	**JCK7**
166MHz	66MHz	2.5x	1 & 2	1 & 2	Open	2 & 3	1 & 2	2 & 3
200MHz	66MHz	3x	2 & 3	1 & 2	Open	2 & 3	1 & 2	2 & 3
233MHz	66MHz	3.5x	2 & 3	2 & 3	Open	2 & 3	1 & 2	2 & 3
Note: Pins designated should be in the closed position.								

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CPU SPEED SELECTION (INTEL)								
CPU speed	**Clock speed**	**Multiplier**	**JBF1**	**JBF2**	**JBF3**	**JCK5**	**JCK6**	**JCK7**
75MHz	50MHz	1.5x	2 & 3	2 & 3	Open	2 & 3	2 & 3	2 & 3
90MHz	60MHz	1.5x	2 & 3	2 & 3	Open	1 & 2	2 & 3	2 & 3
100MHz	66MHz	1.5x	2 & 3	2 & 3	Open	2 & 3	1 & 2	2 & 3
120MHz	60MHz	2x	1 & 2	2 & 3	Open	1 & 2	2 & 3	2 & 3
133MHz	66MHz	2x	1 & 2	2 & 3	Open	2 & 3	1 & 2	2 & 3
150MHz	60MHz	2.5x	1 & 2	1 & 2	Open	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2.5x	1 & 2	1 & 2	Open	2 & 3	1 & 2	2 & 3
180MHz	60MHz	3x	2 & 3	1 & 2	Open	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	2 & 3	1 & 2	Open	2 & 3	1 & 2	2 & 3
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (IMTEL MMX)								
CPU speed	**Clock speed**	**Multiplier**	**JBF1**	**JBF2**	**JBF3**	**JCK5**	**JCK6**	**JCK7**
166MHz	66MHz	2.5x	1 & 2	1 & 2	Open	2 & 3	1 & 2	2 & 3
200MHz	66MHz	3x	2 & 3	1 & 2	Open	2 & 3	1 & 2	2 & 3
233MHz	66MHz	3.5x	2 & 3	2 & 3	Open	2 & 3	1 & 2	2 & 3
Note: Pins designated should be in the closed position.								

CPU VOLTAGE SELECTION			
Voltage	**JCK1**	**JCK2**	**JCK3**
1.8v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
1.9v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.0v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.1v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.2v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.3v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.4v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.5v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.6v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.7v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.8v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.9v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
3.0v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
3.1v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
3.2v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
í 3.3v	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
3.4v	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
3.5v	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed

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CPU VOLTAGE SELECTION					
Voltage	**JP1/pins 1 & 2**	**JP1/pins 3 & 4**	**JP1/pins 5 & 6**	**JP1/pins 7 & 8**	**JP1/pins 9 &10**
1.8v	Open	Open	Open	Open	Open
1.9v	Open	Open	Open	Open	Closed
2.0v	Open	Open	Open	Closed	Open
2.1v	Open	Open	Open	Closed	Closed
2.2v	Open	Open	Closed	Open	Open
2.3v	Open	Open	Closed	Open	Closed
2.4v	Open	Open	Closed	Closed	Open
2.5v	Open	Open	Closed	Closed	Closed
2.6v	Open	Closed	Open	Open	Open
2.7v	Open	Closed	Open	Open	Closed
2.8v	Open	Closed	Open	Closed	Open
2.9v	Open	Closed	Open	Closed	Closed
3.0v	Open	Closed	Closed	Open	Open
3.1v	Open	Closed	Closed	Open	Closed
3.2v	Open	Closed	Closed	Closed	Open
í 3.3v	Open	Closed	Closed	Closed	Closed
3.4v	Closed	Open	Open	Open	Open
3.5v	Closed	Open	Open	Open	Closed