ZIDA TECHNOLOGIES, INC.
5DHX (VER. 1.20)

Device Type	Mainboard
Processor	CX 6X86/IBM 6X86/AM K5/Pentium/Pentium MMX
Processor Speed	75/90/100/120/133/150/166/180/200MHz
Chip Set	Intel 430HX BGA
Video Chip Set	None
Maximum Onboard Memory	512MB (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 interface, serial ports (2), IR connector, USB connector
NPU Options	None
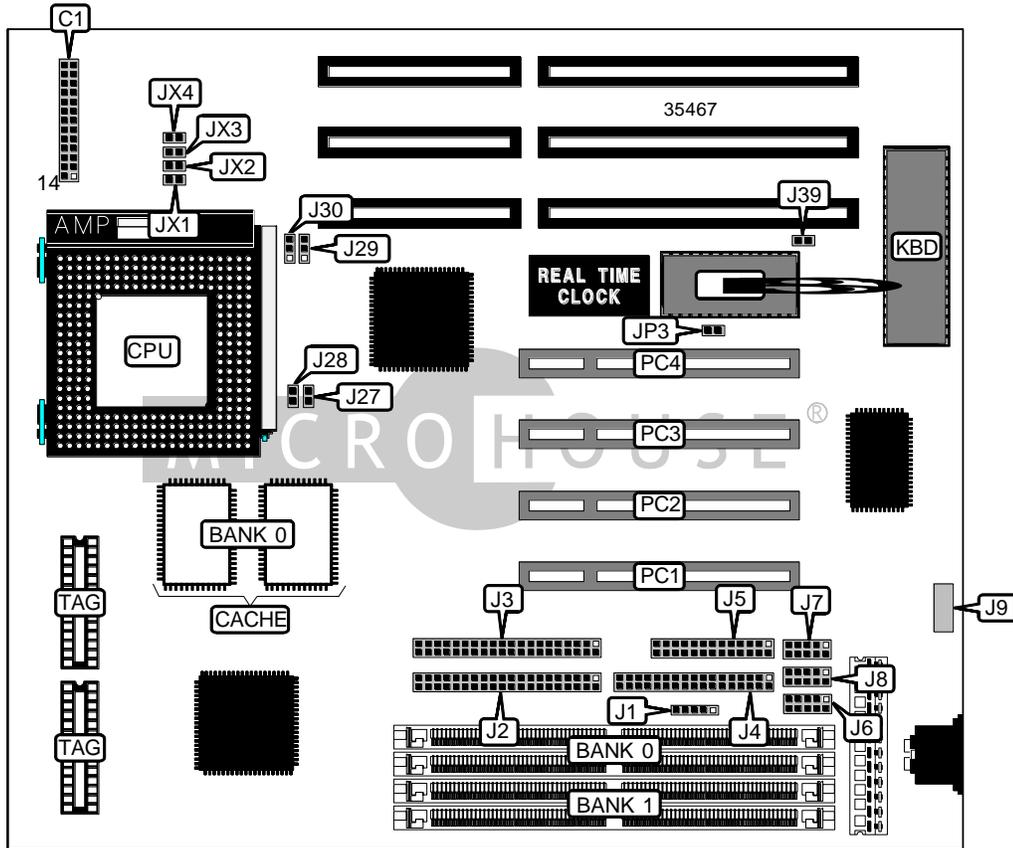
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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
Power LED & keylock	C1/pins 1 – 5	IDE interface 2	J3
Green PC connector	C1/pins 7 & 8	Floppy drive interface	J4
Speaker	C1/pins 10 – 13	Parallel port	J5
IDE interface LED	C1/pins 14 & 15	IR connector	J6
Turbo switch	C1/pins 17 & 18	Serial port 1	J7
Reset switch	C1/pins 22 & 23	Serial port 2	J8
Turbo LED	C1/pins 25 & 26	USB connector	J9
PS/2 mouse interface	J1	32-bit PCI slots	PC1 – PC4
IDE interface 1	J2		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í CMOS memory normal operation	JP3	Open
CMOS memory clear	JP3	Closed
í Flash BIOS write protect disabled	J39	Closed
Flash BIOS write protect enabled	J39	Open

SIMM 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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SIMM 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
256MB	(2) 32M x 36	None
264MB	(2) 32M x 36	(2) 1M x 36
272MB	(2) 32M x 36	(2) 2M x 36
288MB	(2) 32M x 36	(2) 4M x 36
320MB	(2) 32M x 36	(2) 8M x 36
384MB	(2) 32M x 36	(2) 16M x 36
512MB	(2) 32M x 36	(2) 32M x 36
Note: Board accepts EDO memory.		

CACHE CONFIGURATION		
Size	**Bank 0**	**TAG**
256KB	(2) 32K x 32	Unidentified
512KB	(2) 64K x 32	Unidentified

CPU SPEED SELECTION (CX 6X86)						
CPU speed	**Clock speed**	**Multiplier**	**J27**	**J28**	**J29**	**J30**
120MHz	50MHz	2x	Closed	Closed	Open	2 & 3
133MHz	55MHz	2x	Open	Open	Open	2 & 3
150MHz	60MHz	2x	Open	Closed	Open	2 & 3
166MHz	66MHz	2x	Closed	Open	Open	2 & 3
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (IBM 6X86)						
CPU speed	**Clock speed**	**Multiplier**	**J27**	**J28**	**J29**	**J30**
120MHz	50MHz	2x	Closed	Closed	Open	2 & 3
133MHz	55MHz	2x	Open	Open	Open	2 & 3
150MHz	60MHz	2x	Open	Closed	Open	2 & 3
166MHz	66MHz	2x	Closed	Open	Open	2 & 3
Note: Pins designated should be in the closed position.						

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CPU SPEED SELECTION (AM K5)						
CPU speed	**Clock speed**	**Multiplier**	**J27**	**J28**	**J29**	**J30**
75MHz	50MHz	1.5x	Closed	Closed	1 & 2	1 & 2
90MHz	60MHz	1.5x	Open	Closed	1 & 2	1 & 2
100MHz	66MHz	1.5x	Closed	Open	1 & 2	1 & 2
120MHz	60MHz	1.5x	Open	Closed	1 & 2	1 & 2
133MHz	66MHz	1.5x	Closed	Open	1 & 2	1 & 2
150MHz	60MHz	2x	Open	Closed	1 & 2	2 & 3
166MHz	66MHz	2.5x	Closed	Open	2 & 3	2 & 3
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (INTEL)						
CPU speed	**Clock speed**	**Multiplier**	**J27**	**J28**	**J29**	**J30**
75MHz	50MHz	1.5x	Closed	Closed	1 & 2	1 & 2
90MHz	60MHz	1.5x	Open	Closed	1 & 2	1 & 2
100MHz	66MHz	1.5x	Closed	Open	1 & 2	1 & 2
120MHz	60MHz	2x	Open	Closed	1 & 2	2 & 3
133MHz	66MHz	2x	Closed	Open	1 & 2	2 & 3
150MHz	60MHz	2.5x	Open	Closed	2 & 3	2 & 3
166MHz	66MHz	2.5x	Closed	Open	2 & 3	2 & 3
180MHz	60MHz	3x	Open	Closed	2 & 3	1 & 2
200MHz	66MHz	3x	Closed	Open	2 & 3	1 & 2
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (INTEL MMX)						
CPU speed	**Clock speed**	**Multiplier**	**J27**	**J28**	**J29**	**J30**
166MHz	66MHz	2.5x	Closed	Open	2 & 3	2 & 3
200MHz	66MHz	3x	Closed	Open	2 & 3	1 & 2
Note: Pins designated should be in the closed position.						

CPU VOLTAGE SELECTION				
Voltage	**JX1**	**JX2**	**JX3**	**JX4**
2.9v	Open	Open	Open	Open
3.3v	Closed	Closed	Closed	Closed