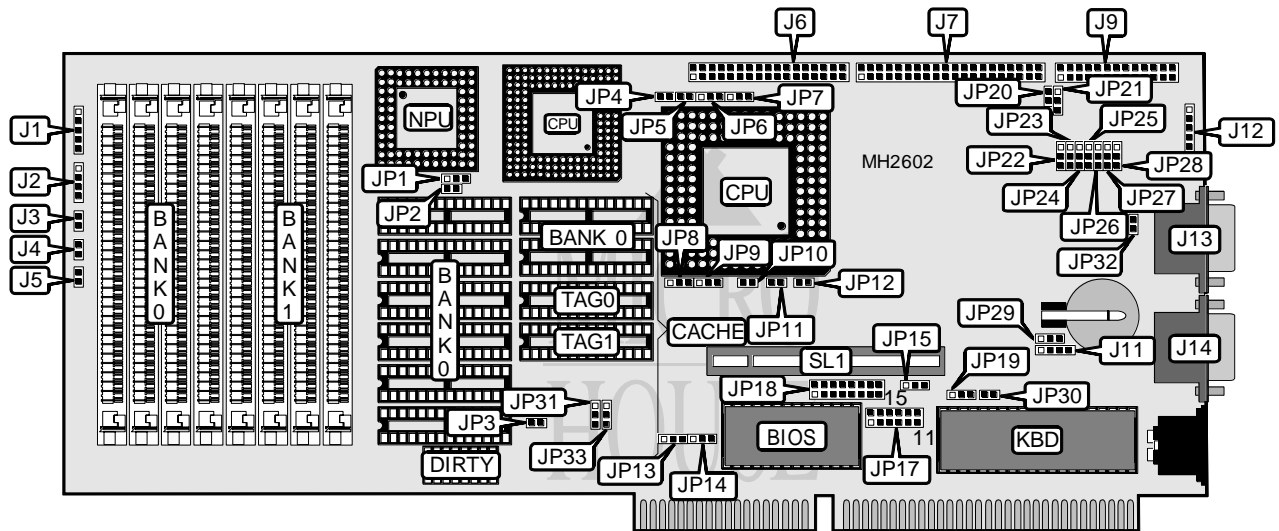


# AXIOM TECHNOLOGY, INC.

## AX80U86

<b>Processor</b>	80386DX/80486SX/80487SX/80486DX/80486DX2
<b>Processor Speed</b>	25/33/40/50(internal)/50/66(internal)MHz
<b>Chip Set</b>	OPTI
<b>Max. Onboard DRAM</b>	32MB
<b>Cache</b>	64/256KB
<b>BIOS</b>	Unidentified
<b>Dimensions</b>	338mm x 112mm
<b>I/O Options</b>	Floppy drive interface, IDE interface, parallel port, serial ports (2), riser slot
<b>NPU Options</b>	80387DX



CONNECTIONS			
Purpose	Location	Purpose	Location
Power LED & keylock	J1	Parallel port	J9
Speaker	J2	External battery	J11
Reset switch	J3	Auxiliary keyboard connector	J12
IDE interface LED	J4	Serial port 1	J13
Turbo switch	J5	Serial port 2	J14
Floppy drive interface	J6	iSBX bus slot	SL1
IDE interface	J7		

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Turbo enabled	J5	Open
Turbo disabled	J5	Closed
í Activate NMI to reset CPU when watch dog times out	JP14	pins 2 & 3 closed
Reset system when watch dog times out	JP14	pins 1 & 2 closed
Watch dog disabled	JP14	Open
í Time out period select 500ms	JP15	pins 1 & 2 closed
Time out period select 1 second	JP15	pins 2 & 3 closed
í COM2 IRQ select IRQ4	JP18	pins 9 & 10 closed
COM2 IRQ select IRQ5	JP18	pins 11 & 12 closed
í Parallel port IRQ select IRQ7	JP18	pins 13 & 14 closed
Parallel port IRQ select IRQ5	JP18	pins 15 & 16 closed
í IRQ14 buffered	JP19	pins 1 & 2 closed
IRQ14 not buffered	JP19	pins 2 & 3 closed
í IDE interface pin 34 used	JP20	Closed
IDE interface pin 34 not used	JP20	Open
í IDE interface enabled	JP21	pins 2 & 3 closed
IDE interface disabled	JP21	pins 1 & 2 closed
í Floppy drive interface enabled	JP28	pins 2 & 3 closed
Floppy drive interface disabled	JP28	pins 1 & 2 closed
í CMOS memory normal operation	JP29	pins 2 & 3 closed
CMOS memory clear	JP29	pins 1 & 2 closed
í Monitor type select color	JP30	Closed
Monitor type select monochrome	JP30	Open
í Factory configured - do not alter	JP31	N/A
í Factory configured - do not alter	JP32	N/A
í Factory configured - do not alter	JP33	N/A

DRAM CONFIGURATION		
Size	Bank 0	Bank 1
1MB	(4) 256K x 9	NONE
2MB	(4) 256K x 9	(4) 256K x 9
4MB	(4) 1M x 9	NONE
5MB	(4) 256K x 9	(4) 1M x 9
8MB	(4) 1M x 9	(4) 1M x 9
16MB	(4) 4M x 9	NONE
20MB	(4) 1M x 9	(4) 4M x 9
20MB	(4) 4M x 9	(4) 1M x 9
32MB	(4) 4M x 9	(4) 4M x 9

CACHE CONFIGURATION				
Size	Bank 0	DIRTY	TAG 0	TAG 1
64KB	(8) 8K x 8	(1) 16K x 1	(1) 8K x 8	NONE
256KB	(8) 32K x 8	(1) 16K x 1	(1) 8K x 8	(1) 8K x 8

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CACHE JUMPER CONFIGURATION						
Size	JP1	JP2	JP3	JP4	JP5	JP6
64KB	2 & 3	Open	Open	Open	Open	2 & 3
256KB	2 & 3	Closed	Closed	Closed	Closed	2 & 3

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION							
Type	JP7	JP8	JP9	JP10	JP11	JP12	JP13
80386DX	1 & 2	N/A	N/A	N/A	Open	Open	N/A
80486SX	2 & 3	2 & 3	Open	Open	Open	Closed	2 & 3
80487SX	2 & 3	1 & 2	2 & 3	Closed	Open	Closed	2 & 3
80486DX	2 & 3	1 & 2	1 & 2	Closed	Open	Closed	2 & 3
8048DX-50	2 & 3	1 & 2	1 & 2	Closed	Closed	Closed	1 & 2
80486DX2	2 & 3	1 & 2	1 & 2	Closed	Open	Closed	2 & 3

Note: Pins designated should be in the closed position.

PARALLEL PORT CONFIGURATION		
Setting	JP26	JP27
278	pins 2 & 3 closed	pins 1 & 2 closed
378	pins 1 & 2 closed	pins 2 & 3 closed
3BC	pins 2 & 3 closed	pins 2 & 3 closed
Disabled	pins 1 & 2 closed	pins 1 & 2 closed

SERIAL PORT 1 CONFIGURATION		
Setting	JP22	JP25
2E8	pins 2 & 3 closed	pins 2 & 3 closed
3E8	pins 1 & 2 closed	pins 2 & 3 closed
3F8	pins 2 & 3 closed	pins 1 & 2 closed
Disabled	pins 1 & 2 closed	pins 1 & 2 closed

SERIAL PORT 2 CONFIGURATION		
Setting	JP23	JP24
2E8	pins 1 & 2 closed	pins 2 & 3 closed
2F8	pins 2 & 3 closed	pins 1 & 2 closed
3E8	pins 2 & 3 closed	pins 2 & 3 closed
Disabled	pins 1 & 2 closed	pins 1 & 2 closed

SERIAL PORT 2 IRQ CONFIGURATION	
IRQ	JP18
IRQ3	pins 3 & 4 closed
IRQ4	pins 1 & 2 closed
IRQ5	pins 5 & 6 closed

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iSBX SLOT DMA CONFIGURATION		
Setting	JP16	JP17
DACK5/DRQ5	pins 1 & 2 closed	pins 1 & 2 closed
DACK6/DRQ6	pins 3 & 4 closed	pins 3 & 4 closed
DACK7/DRQ7	pins 5 & 6 closed	pins 5 & 6 closed

Note: The location of jumper JP16 is unidentified.