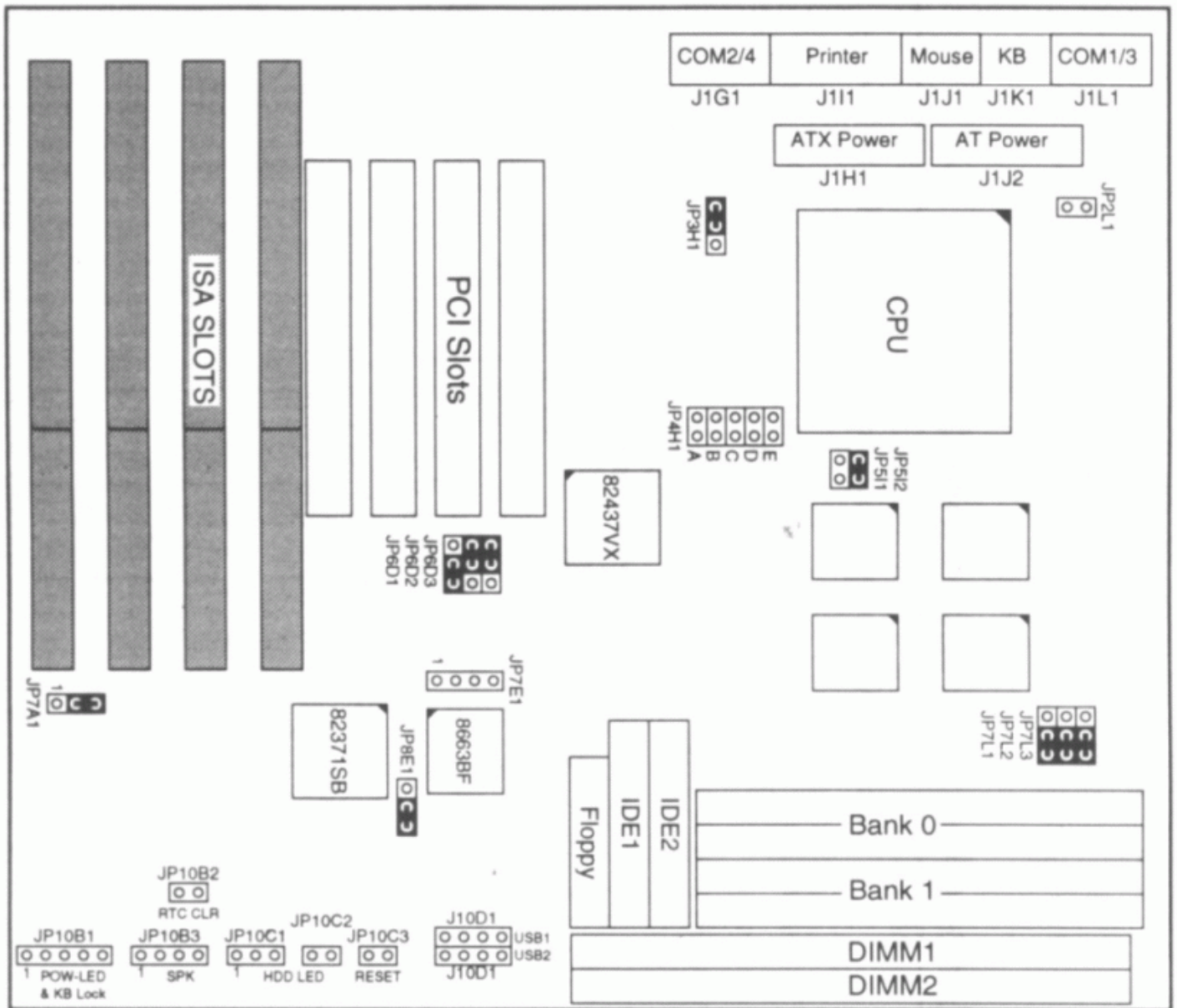


## PCChips M536

[Jumper Settings](#)  
[Bios Upgrades](#)

### Jumper Settings

J1G1	COM2/4 Connector
J1H1	ATX Power Supply Connector
J1J1	PS/2 Mouse Connector
J1J2	AT Power Supply Connectors
J1K1	PS/2 Keyboard Connector
J1L1	COM1/3 Connector
JP3H1	<a href="#">VRM Voltage Regulator Output Selectors IO</a>
JP4H1	<a href="#">VRM Voltage Regulator Output Selectors CORE</a>
JP5I1-2	<a href="#">CPU Internal Clock Speed Selectors</a>
JP6D1-3	<a href="#">Board Freq Selectors</a>
JP7A1	<a href="#">Flash ROM Voltage Selector</a>
JP7E1	Internal/External Battery Connector
JP7L1-3	<a href="#">DIMM Socket Voltage Selectors</a>
JP8E1	<a href="#">AT-Bus clock divisor</a>
JP10B2	<a href="#">CMOS RAM Clear</a>
JP10B1	Keylock & Power LED Connector
JP10B3	Speaker Connector
JP10C2	HDD LED Connector
JP10C3	<a href="#">Reset Switch Connector</a>
J10D1, J10D2	<a href="#">Universal Serial Bus Connector</a>



### J10D1, J10D2 Universal Serial Bus Connector:

Pin	Description
1	+5 V DC
2	Data -
3	Data +
4	Ground

### JP10C3 Reset Switch Connector:

JP10C3	Reset Switch Connector
Open	Normal
Closed	Reset

### JP10C CMOS RAM Clear:

JP10C3	CMOS RAM Clear
Open	Normal
Closed	Clear CMOS

### JP7L1-3 DIMM Socket Voltage Selectors:

<b>JP7L1-3 DIMM Socket Voltage Selectors</b>	
1-2	5V (usually EDO-DIMMs)
2-3	3.3V (SDRam)

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### JP7A1 Flash ROM Voltage Selector:

<b>JP7A1 Flash ROM Voltage Selector</b>	
1-2	Eprom / 5V Flash Rom
2-3	12V Flash Rom

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### JP6D1-3 Board Freq Selectors:

<b>JP6D1-3 Board Freq Selectors</b>						
	40 MHz	50 MHz	55 MHz	60 MHz	66 MHz	75 MHz
JP6D3				2-3		
JP6D2				1-2		
JP6D1				1-2		

Unfortunately the scanned manual is not readable here.  
So you have to try it yourself.  
The setting for 40Mhz is useless.

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### AT-Bus clock divisor:

Depending on the Board Freq this Jumpers needs to be adjusted.  
The resulting AT-Bus Frequency should not exceed 8.5MHz.

Setting	Board Freq	PCI = Board Freq / 2	AT-Bus
1-2:PCI/4	66 MHz	33 Mhz	8.25 MHz
1-2:PCI/4	66 MHz	30 Mhz	7.5 MHz
1-2:PCI/4	55 MHz	27.5 Mhz	6.8 MHz
2-3:PCI/3	50 MHz	25 Mhz	8.33 MHz

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### JP4H1 VRM Voltage Regulator Output Selector:

<b>JP4H1</b>	<b>IO-Voltage</b>
1-2	3.5V
2-3	3.3V

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### JP4H1 VRM Voltage Regulator Output Selectors:

<b>JP4H1</b>	<b>CORE-Voltage</b>
None	2.5V
D	2.7V
C	2.8V
B	2.9V
E	3.3V
A	3.5V

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### JP5I1-2 CPU Internal Clock Speed Selectors:

<b>JP5I1-2 CPU Internal Clock Speed Selectors</b>		
	JP5I1	JP5I2
Mult		
1.5x/3.5x	Off	Off
2.0x	Off	On
2.5x	On	On
3.0x	On	Off

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[Here](#) is a saved version from a M536 (Bios-ID: **03/03/97-i430VX-02071997C-00**).  
It looks like this is very much the same version as used on all the other i430VX based PCChips boards.  
You may try the [latest Bios](#) for the other VX-based boards (10/16/97S),  
which supports HDDs over 8GB and up to 32GB.  
Or try the patched version [here](#) for support up to 64GB.  
**I HAVEN'T HAD THE OPPURTUNITY TO TEST IT, SO USE IT AT YOUR OWN RISK!!**

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If you have questions, contact [me](#)

Last Update: 07/22/2001

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