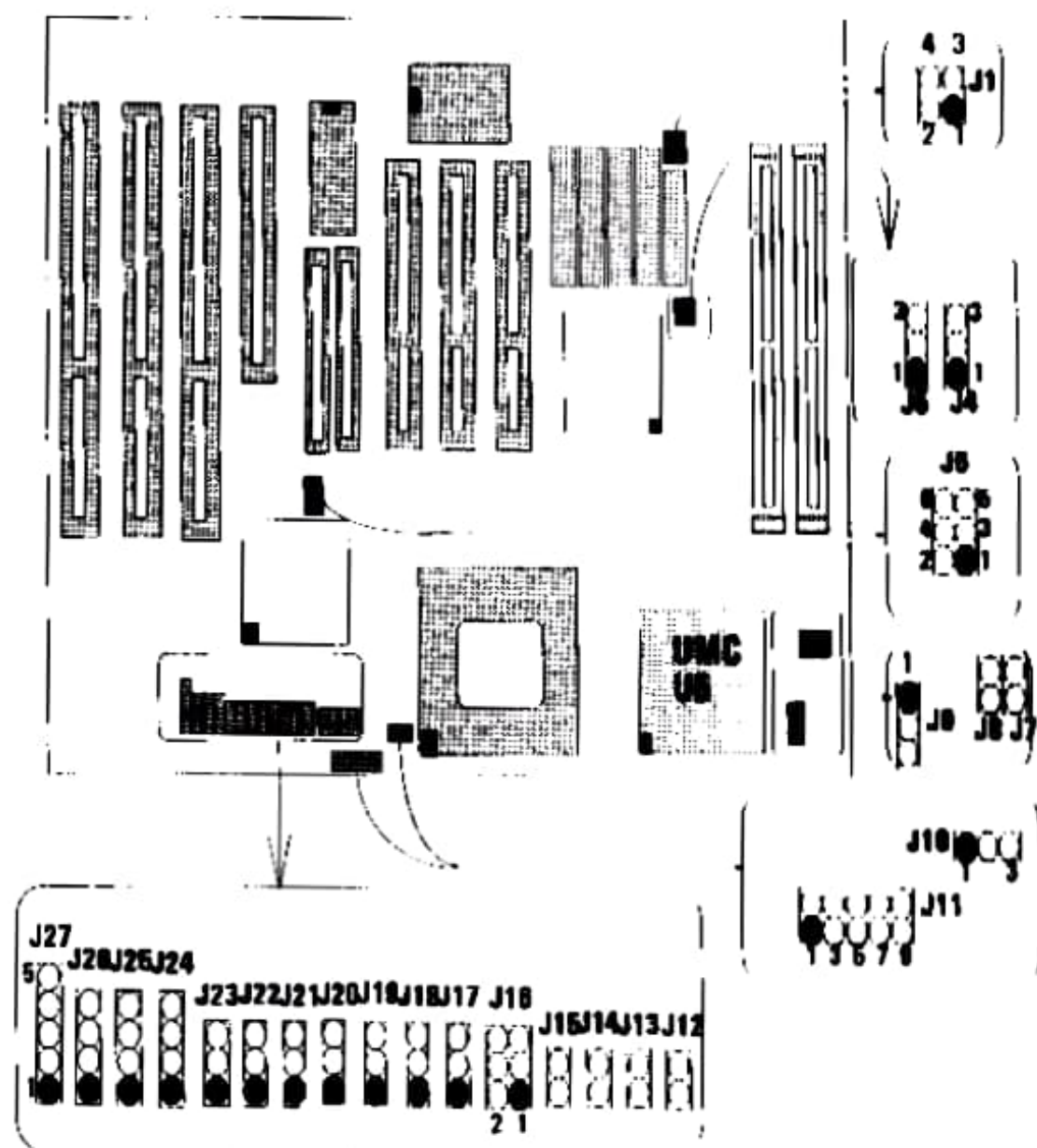


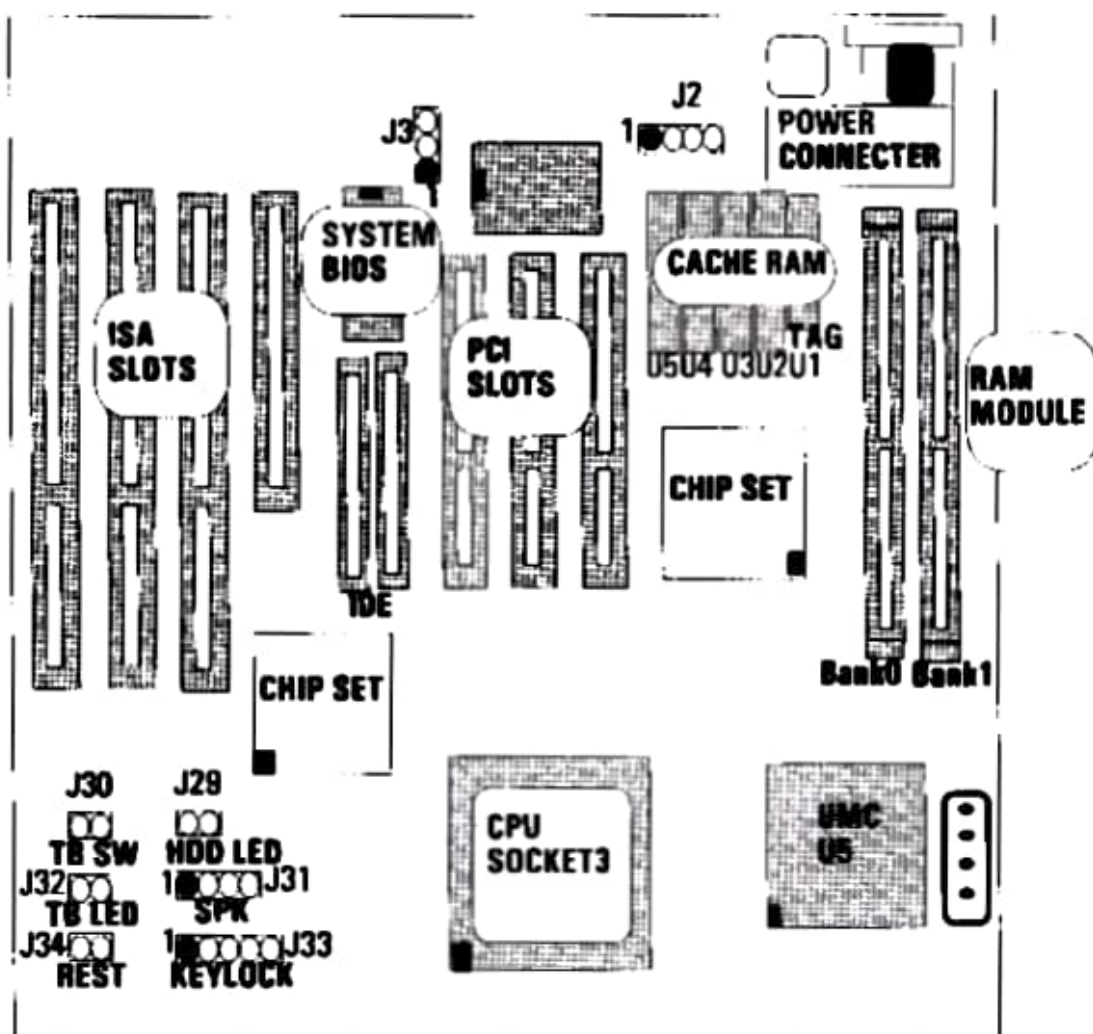
# JUMPER LOCATION OF UMC 486 PCI/ISA M/B



## COLOR JUMPER CAPS CLASSIFICATION:

- |           |                               |
|-----------|-------------------------------|
| 1. White  | : CPU Type Selection          |
| 2. Yellow | : System Clock Selection      |
| 3. Red    | : Regulator Voltage Selection |
| 4. Black  | : Factory Setting             |

## OTHER JUMPERS & CONNECTORS LOCATION DIAGRAM



## FUNCTION CONNECTORS & OTHER JUMPERS SETTING

Connector	Description
J2	External Battery Connector 2-3: Use Internal Battery (Default) 3-4: Clear C-MOS BIOS Setup Data
J3	1-2: FLASH ROM 2-3: EPROM (Default)

# CHAPTER 2 INSTALLATION

## 2-1 SIM MODULES INSTALLATION

The UMC 486 PCI/ISA motherboard can be expanded from 1MB to 64MB by using 256K, 1MB, 2MB, 4MB, 8MB and 16MB of SIM module.

The following table provides various configurations of 72-pin module and please refer to figure 2-1.

Bank A SIM	Bank B (72-pin) SIM 2	Total Memory
1MB	None	1MB
1MB	1MB	2MB
4MB	None	4MB
4MB	4MB	8MB
8MB	4MB	12MB
8MB	8MB	16MB
16MB	8MB	24MB
16MB	16MB	32MB
32MB	16MB	48MB
32MB	32MB	64MB

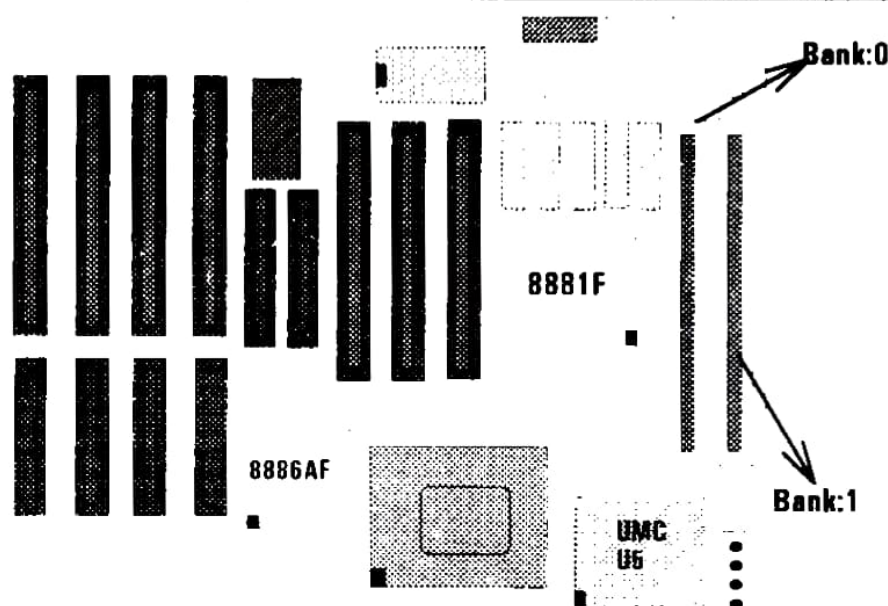
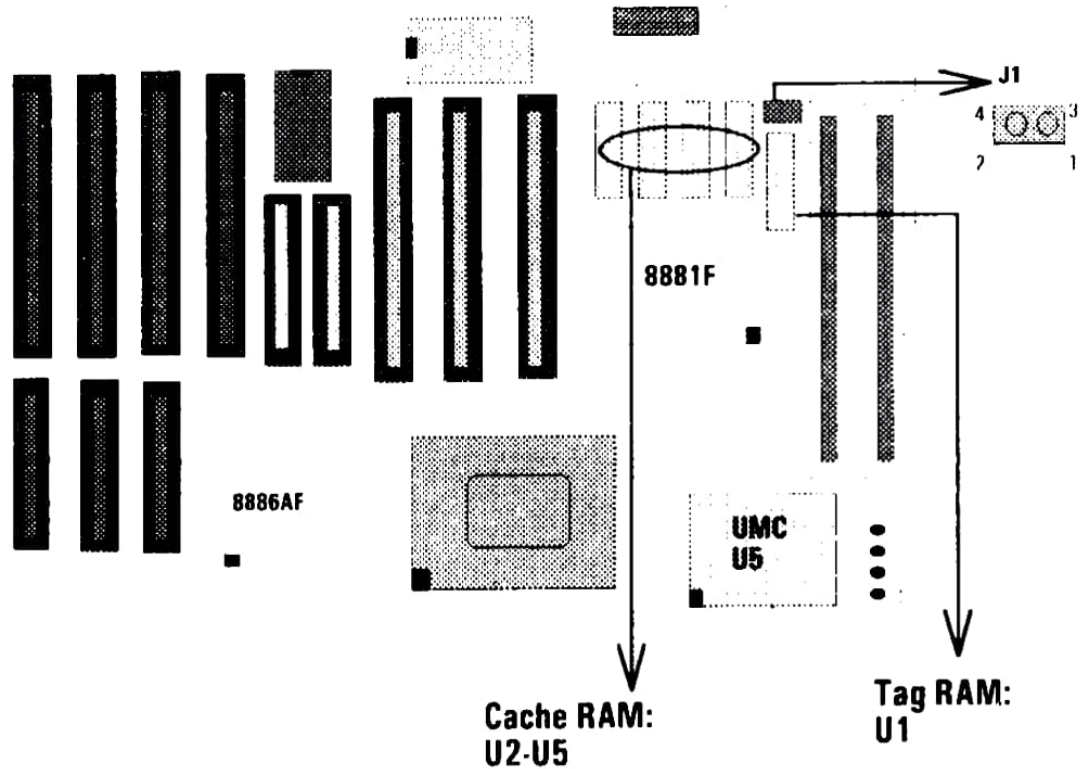


Figure 2-1

## 2-2 CACHE RAM INSTALLATION

The motherboard can support cache memory from 128K to 512K bytes. Any of 32KX8, 64KX8 or 128KX8 cache used on the motherboard.



**Cache Configuration Size**

Cache Size	TAG RAM	Cache RAM	J1
128K	8KX8 (U1)	32KX8 (U2-U5)	OPEN
256K	16KX8 32KX8 (U1)	64KX8 (U2-U5)	3-4
512K	32KX8 (U1)	128KX8 (U2-U5)	1-2, 3-4



**FOR UMC U6 CPU Setting only**

	J9	J8	J7
25M	ON	OFF	OFF
33M	ON	ON	ON
40M	ON	ON	OFF
50M	OFF	OFF	ON

	J16	J17	J18	J20	J23	J24	J25	J26	J27
INTEL 486DX/DX2	1 2	OPEN	OPEN	OPEN	OPEN	OPEN	1 2 3 4	3 4	OPEN
INTEL SL DX/DX2 P240/DX4	3 4	OPEN	OPEN	1 2	1 2	OPEN	1 2 3 4	3 4	2 3 4 5
AMD 486DX/DX2 AMDDX4	1 2	OPEN	OPEN	OPEN	OPEN	OPEN	1 2 3 4	3 4	OPEN
AMD Am486DX-T	1 2	OPEN	OPEN	OPEN	2 3	3 4	1 2 3 4	1 2 3 4	OPEN
CYRIX IBM 486DX/DX2	3 4	1 2	2 3	2 3	1 2	2 3	1 2 3 4	3 4	1 2 3 4
UMC UMC486	3 4	OPEN	OPEN	1 2	1 2	OPEN	1 2 3 4	3 4	2 3 4 5
P24T	3 4 5 6	2 3	1 2	1 2	1 2	1 2	1 2 3 4	2 3	2 3 4 5
P240	J12, J14, J15, J27 (2 3) CLOSE								

※ NOTE: J22:1-2 dedicates for AMD DX2-3.3V

	5V	3.45V	
J10	1-2	2-3	
J11	X	1-3,2-4	3.45V
J11	X	3-5,4-6	4V
	X	7-9,8-10	3.6V

## 2.3 CPU INSTALLATION

This is for Intel/AMD/CYRIX CPU (PGA Type) settings as below:

		J16	J17	J18	J20	J23	J24	J25	J4
INTEL	486DX/DX2	1-2	open	open	open	open	open	1-2,3-4	1-2
	SLDX/DX2/DX4	3-4	open	open	1-2	1-2	open	1-2,3-4	1-2
AMD	486DX/DX2/DX4	1-2 ✓	open ✓	open ✓	open ✓	open ✓	open ✓	1-2,3-4 ✓	1-2 ✓
	Am486DXLT	1-2	open	open	open	2-3	3-4	1-2,3-4	1-2
CYRIX or IBM	Cx486DX/DX2	3-4	1-2	2-3	2-3	1-2	2-3	1-2,3-4	2-3
UMC	UMC486	3-4	open	open	1-2	1-2	open	1-2,3-4	1-2
INTEL P24T		3-4,5-6	2-3	1-2	1-2	1-2	1-2	1-2,3-4	1-2
CYRIX M1sc / Enhanced Am486/P240		3-4	open	open	1-2	1-2	open	1-2,3-4	1-2
		J26	J27	J22	J12	J14	J15	J5	
INTEL	486DX/DX2	3-4	open	open	open	open	open	1-2	
	SLDX/DX2/DX4	3-4	2-3,4-5	open	open	open	open	1-2	
AMD	486DX/DX2/DX4	3-4 ✓	open ✓	open ✓	open ✓	open ✓	open ✓	2-3 ✓	
	Am486DXLT	1-2,3-4	open	1-2	open	open	open	2-3	
CYRIX or IBM	Cx486DX/DX2	3-4	1-2,3-4	open	open	open	open	1-2	
UMC	UMC486	3-4	2-3,4-5	open	open	open	open	2-3	
INTEL P24T		2-3	2-3,4-5	open	open	open	open	1-2	
CYRIX M1sc / Enhanced Am486/P240		3-4	2-3,4-5	2-3	1-2	1-2	1-2	1-2	

### FOR CPU VOLTAGE

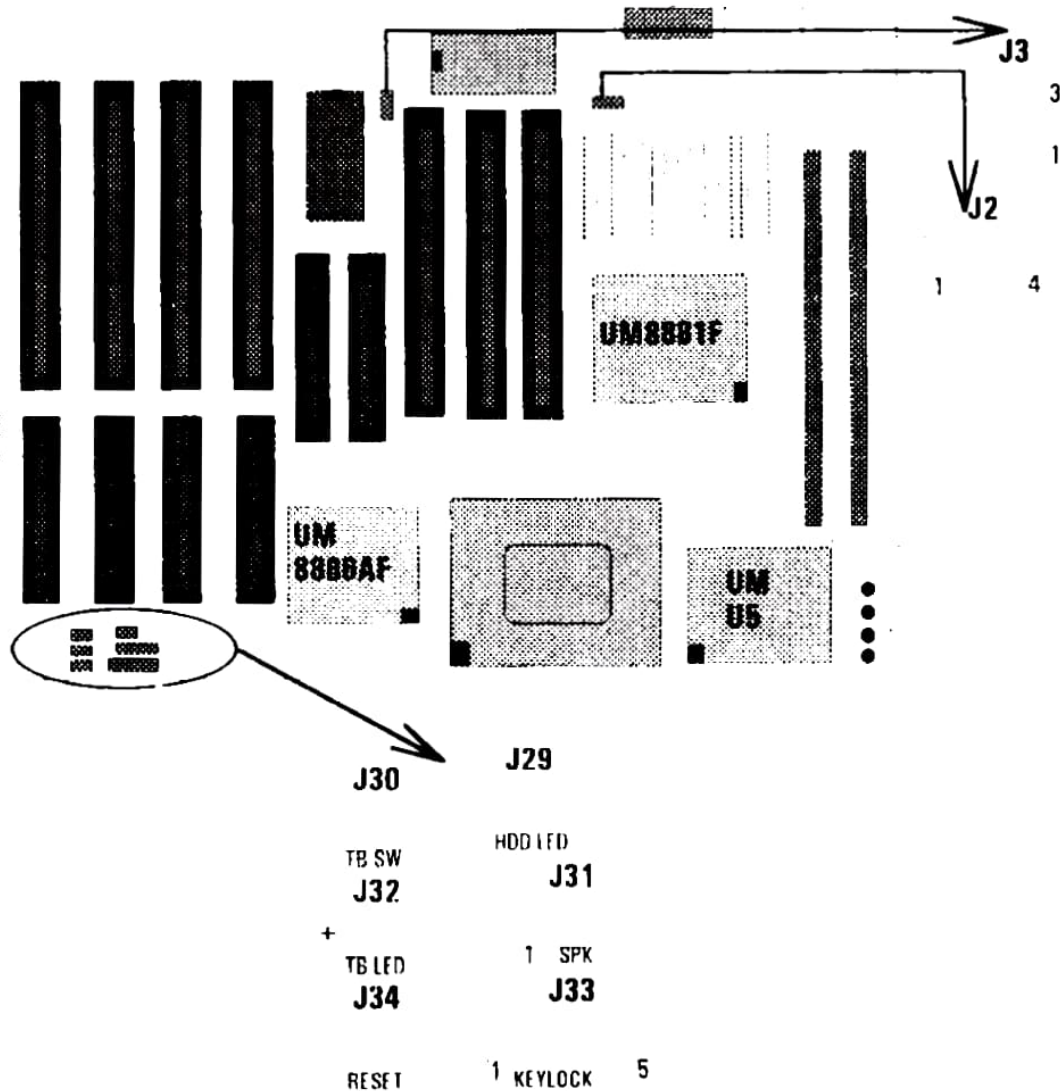
### CPU SPEED SELECTION

CPU VOLTAGE	J11	J10
3.45V	1-3,2-4 ✓	2-3 ✓
3.6V	7-9,8-10	2-3
4V	3-5,4-6	2-3
5V	open	1-2

J6			
25M	1-2	open	open
33M	1-2 ✓	3-4	5-6 ✓
40M	1-2	3-4	open
50M	open	open	5-6

J2 = 2,3 - 2.5V voltage ... 10k

## 2-4 FUNCTION OF CONNECTORS & OTHER JUMPER SETTINGS



### FUNCTION CONNECTORS & OTHER JUMPERS SETTING

Connector	Description
J2	External Battery Connector 2-3: Use Internal Battery (Default) 3-4: Clear C-MOS BIOS Setup Data
J3	1-2: FLASH ROM 2-3: EPROM (Default)
J29	HDD LED
J30	Turbo Switch
J31	Speaker Connector
J32	Turbo LED
J33	Keylock
J34	Reset