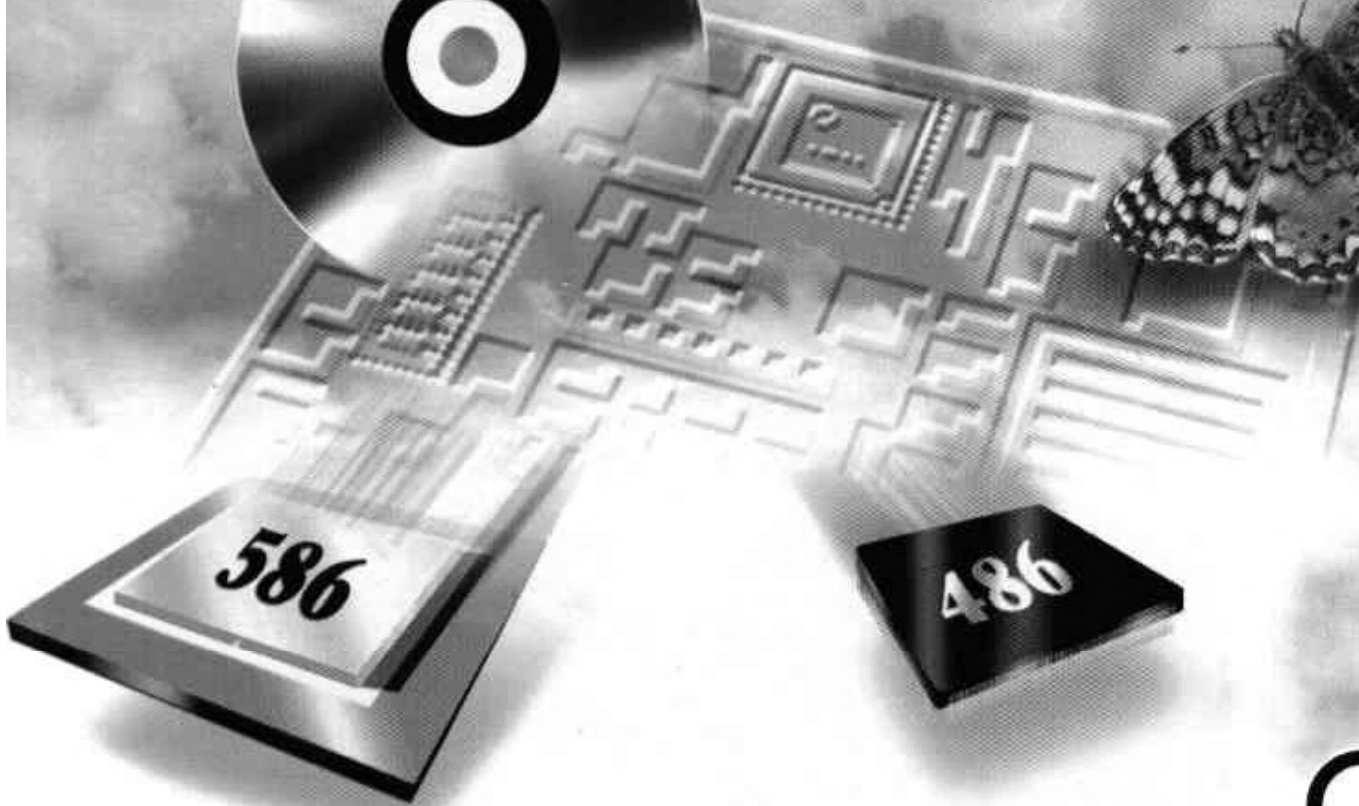
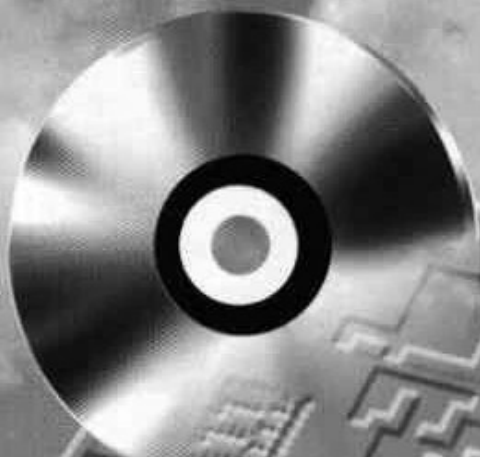


SIS 486 PCI/ISA MINI-SIZE
SYSTEM BOARD
USER'S MANUAL



CE

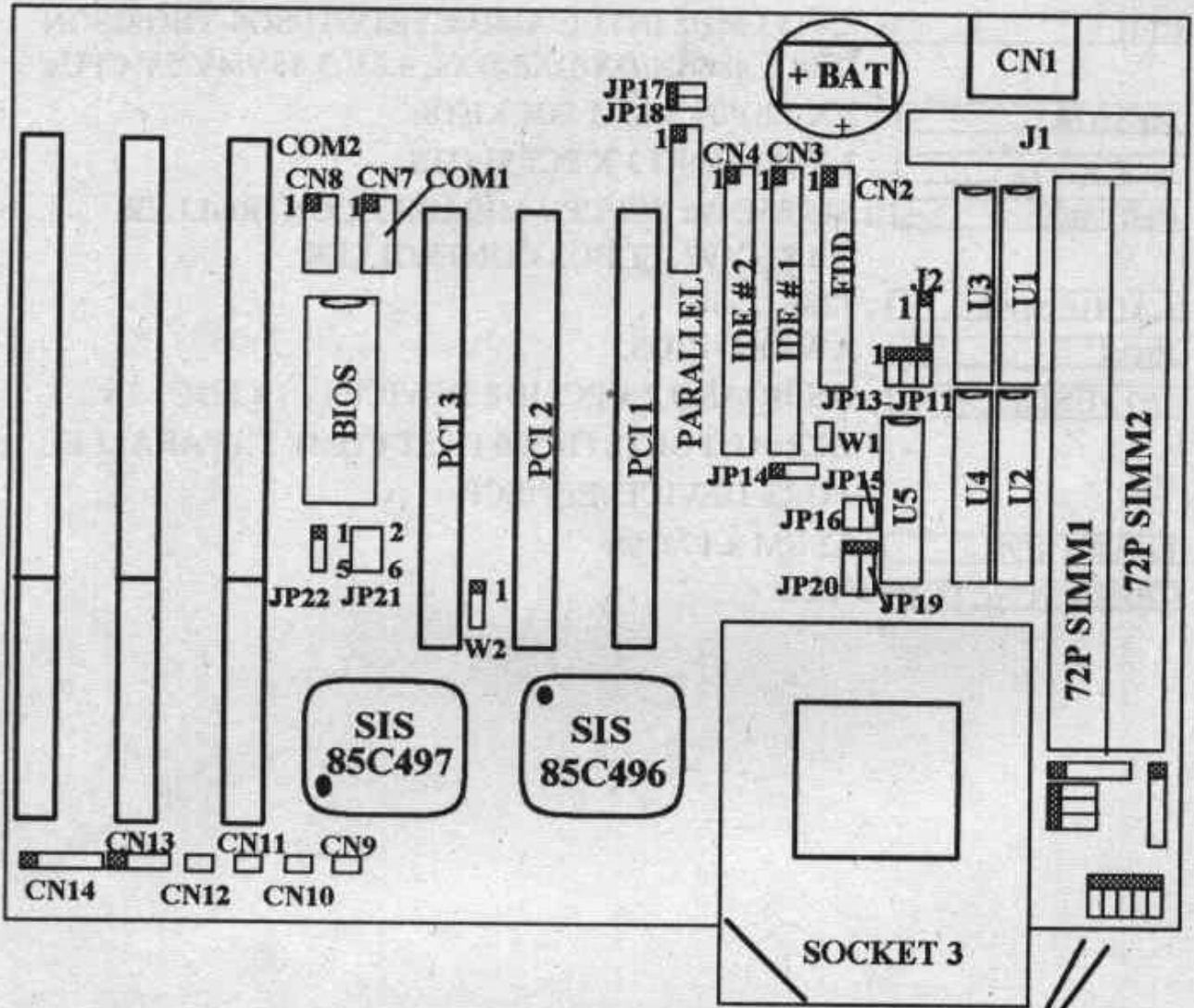
CHAPTER 1. FEATURES

1.1 SPECIFICATIONS .

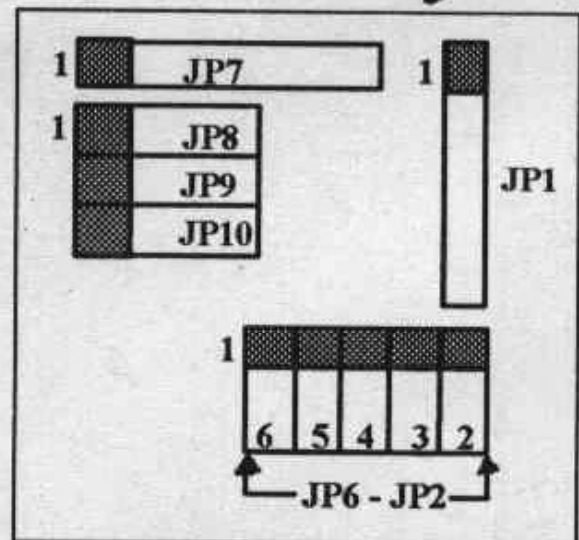
- CPU** : 25-133 MHz INTEL/AMD/CYRIX/PI/SGS-THOMSON
IBM... 486SX/DX/DX2/DX4, 3.3V/3.45V/4V/5V CPUs.
- MEMORY** : 2 X 72-PIN SIMM SOCKETS.
- EXP. SLOT** : 3 X ISA AND 3 X PCI SLOTS.
- CHIPSET** : SIS 85C496 PCI/CPU MEMORY CONTROLLER.
SIS 85C497 AT BUS CONTROLLER
- CACHE SIZE** : 128K/256K
- BIOS** : AWARD BIOS.
- I/O FUNCTION** : ON BOARD 2 x-PCI IDE DEVICES ; 1 x FDC , 2 x
SERIAL PORTS (16550 FAST COM), 1 x PARALLEL
PORT DEVICE /EPP/ECP.
- BOARD SIZE** : 22 CM x 17 CM.
- GREEN FUNCTION** : YES

CHAPTER 2. INSTALLATION

2.1 LAYOUT REFERENCE

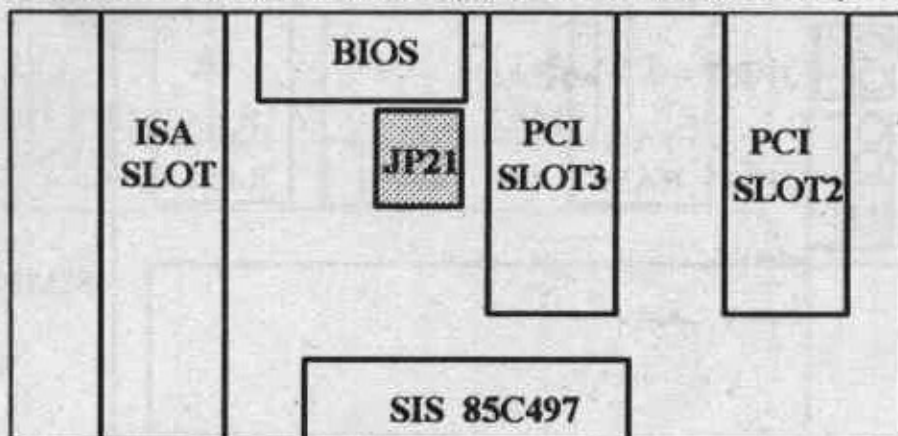


- CN9 : HDD LED
- CN10 : TURBO LED
- CN11 : TURBO SWITCH
- CN12 : RESET
- CN13 : SPEAKER
- CN14 : KEYLOCK



2.2 SIS 486 PI JUMPER SETTINGS

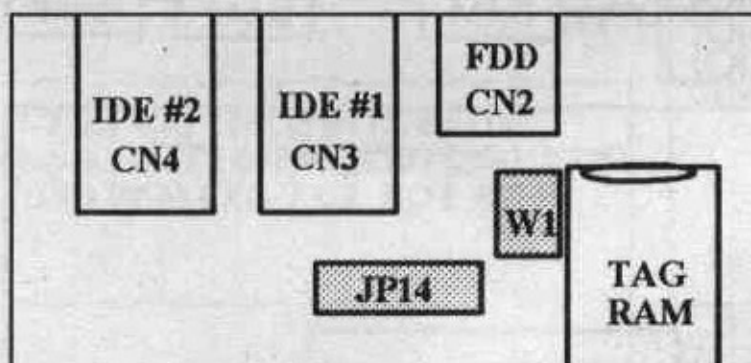
1. JP21 : CPU CLOCK SELECTOR (RED JUMPER CAP)



	(25 MHZ) 486SX/DX-25 486DX2-50, P24T-63 486DX4-75	(33 MHZ) 486SX/DX-33 486DX2-66, P24T-83 486DX4-100 AMD 5X86-133	(40 MHZ) 486DX-40 486DX2-80 486DX4-120	(50 MHZ) 486DX-50
JP21	<p>OFF</p>	<p>1-2</p>	<p>3-4</p>	<p>3-4, 5-6</p>

2. JP14, W1 : 3V/4V/5V CPU VOLTAGE SELECTOR

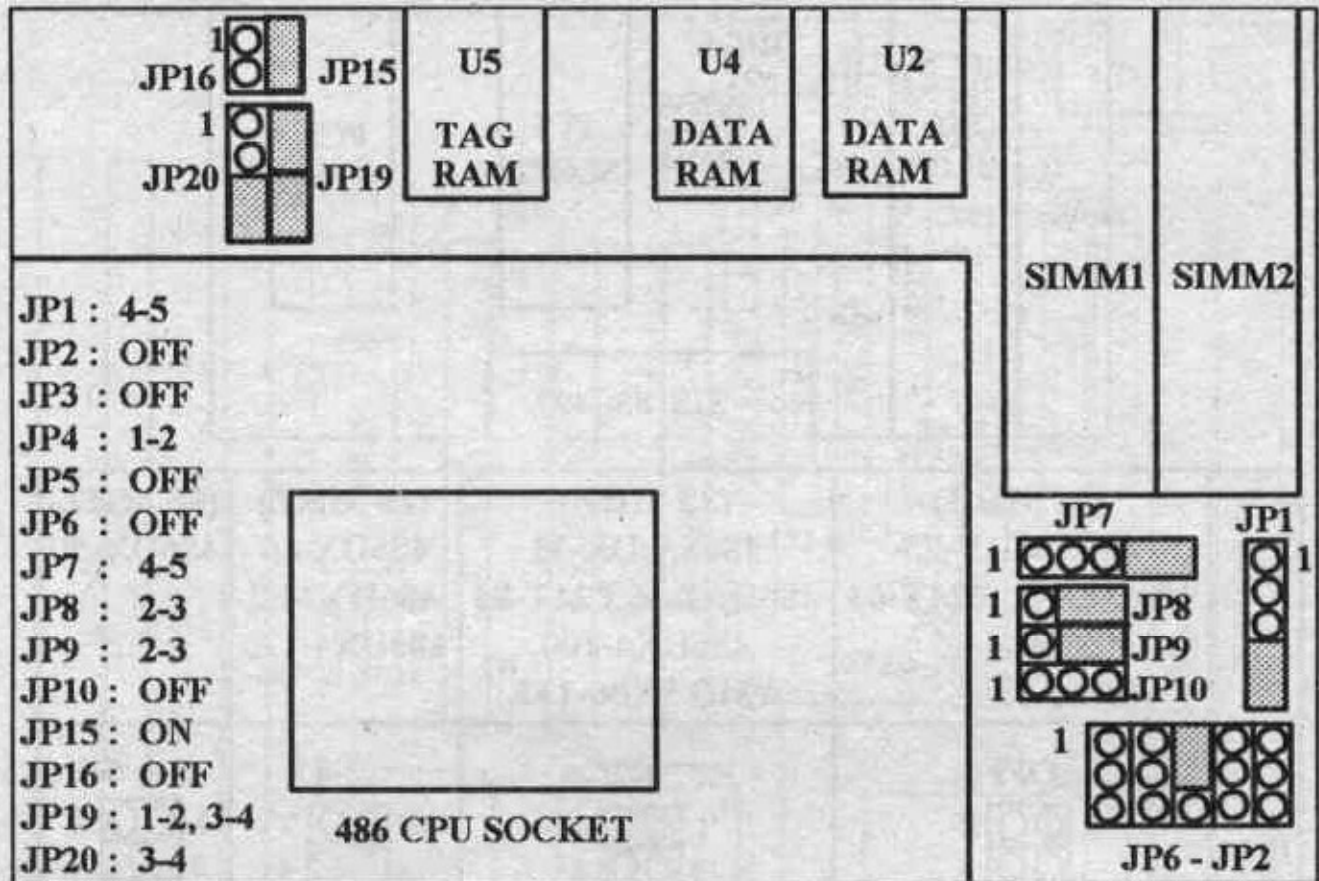
(YELLOW JUMPER CAP)



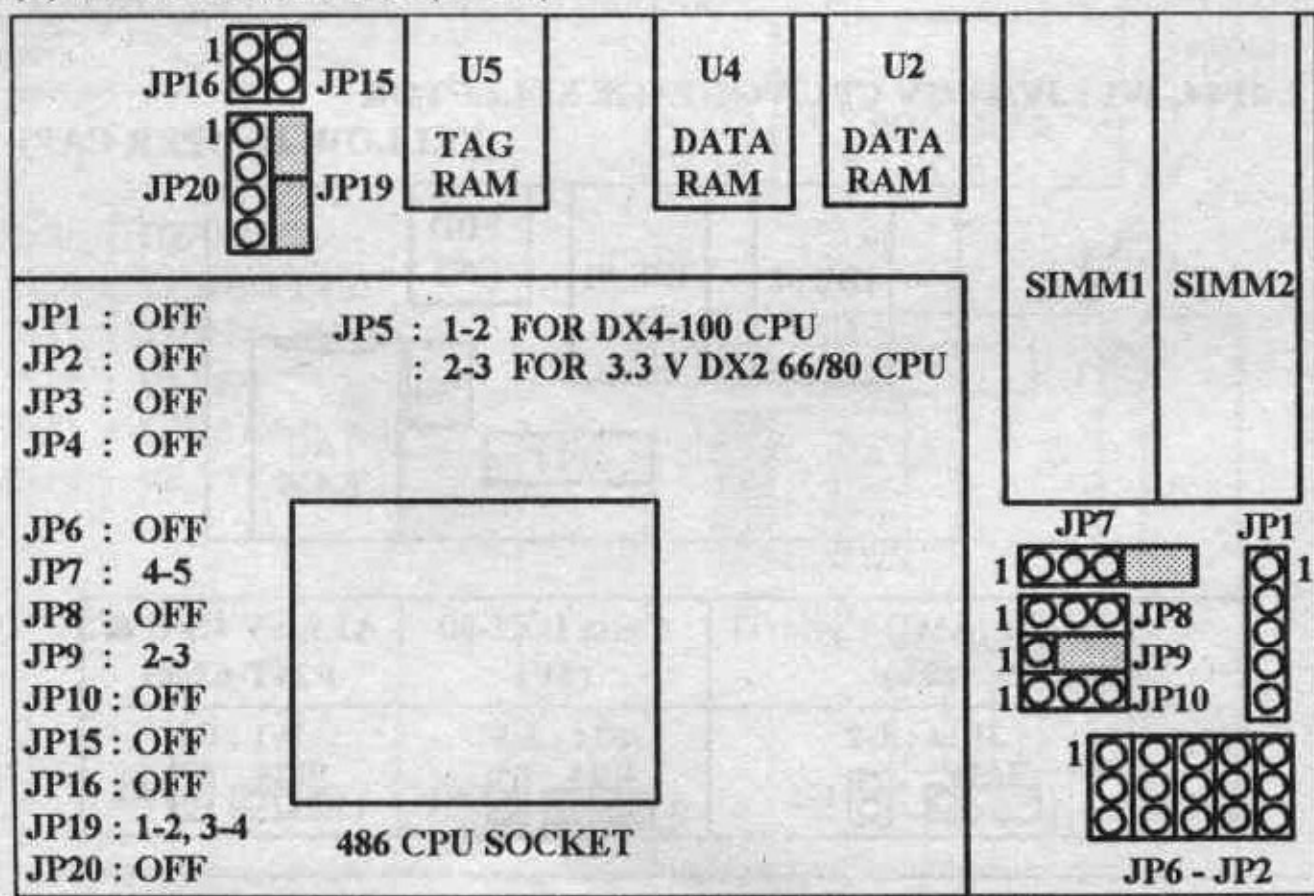
	INTEL/AMD/Cyrix/PI (3V)	Cyrix DX2-80 (4V)	ALL 5V CPU & P24T-63/83
W1	JP14 : 1-2	JP14 : 2-3	W1 : ON
JP14			

3. JP1-JP10,JP15,JP16,JP19,JP20 CPU TYPE SELECTOR

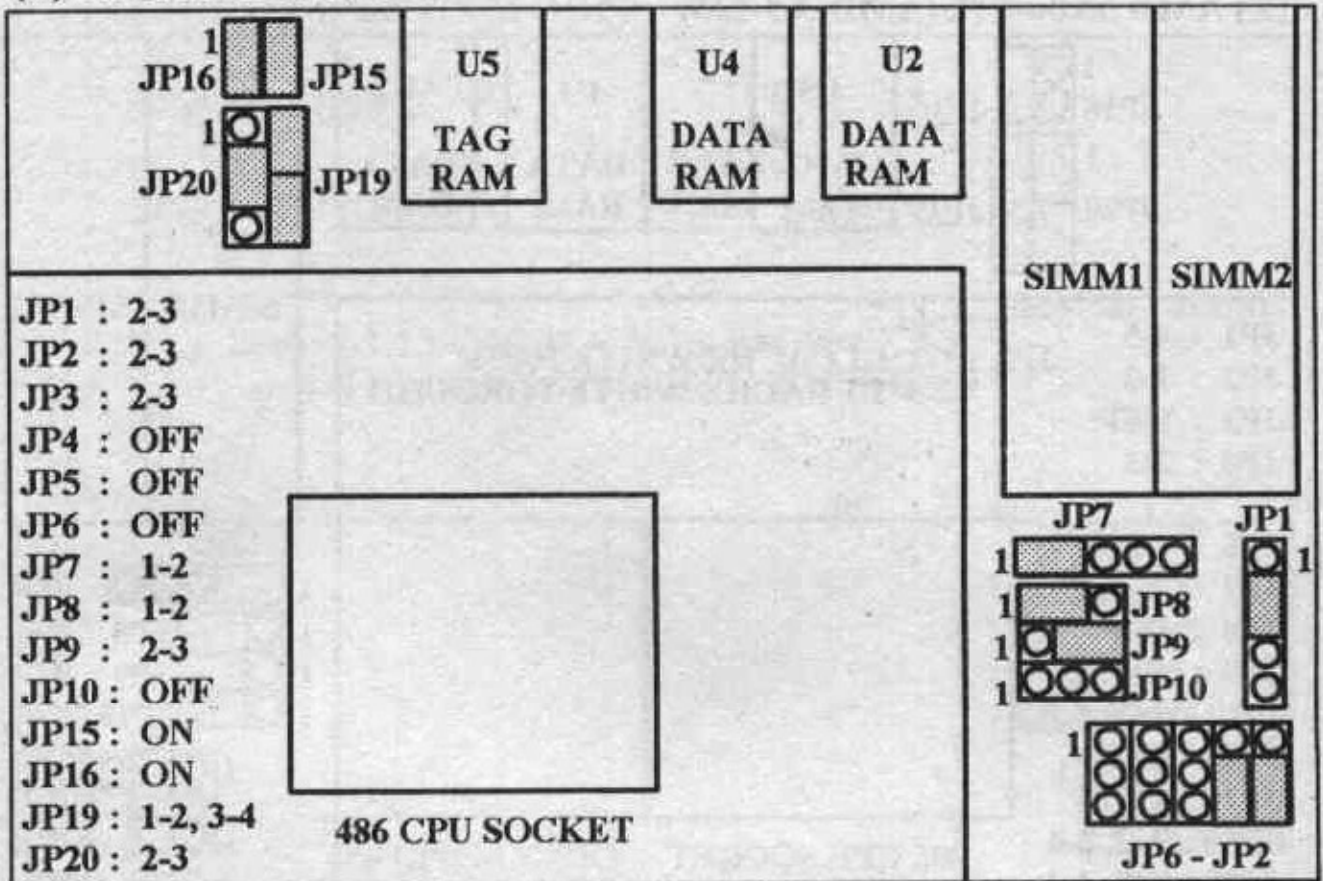
(A) INTEL -SLE 486 DX/DX2/DX4 (YELLOW JUMPER CAP)



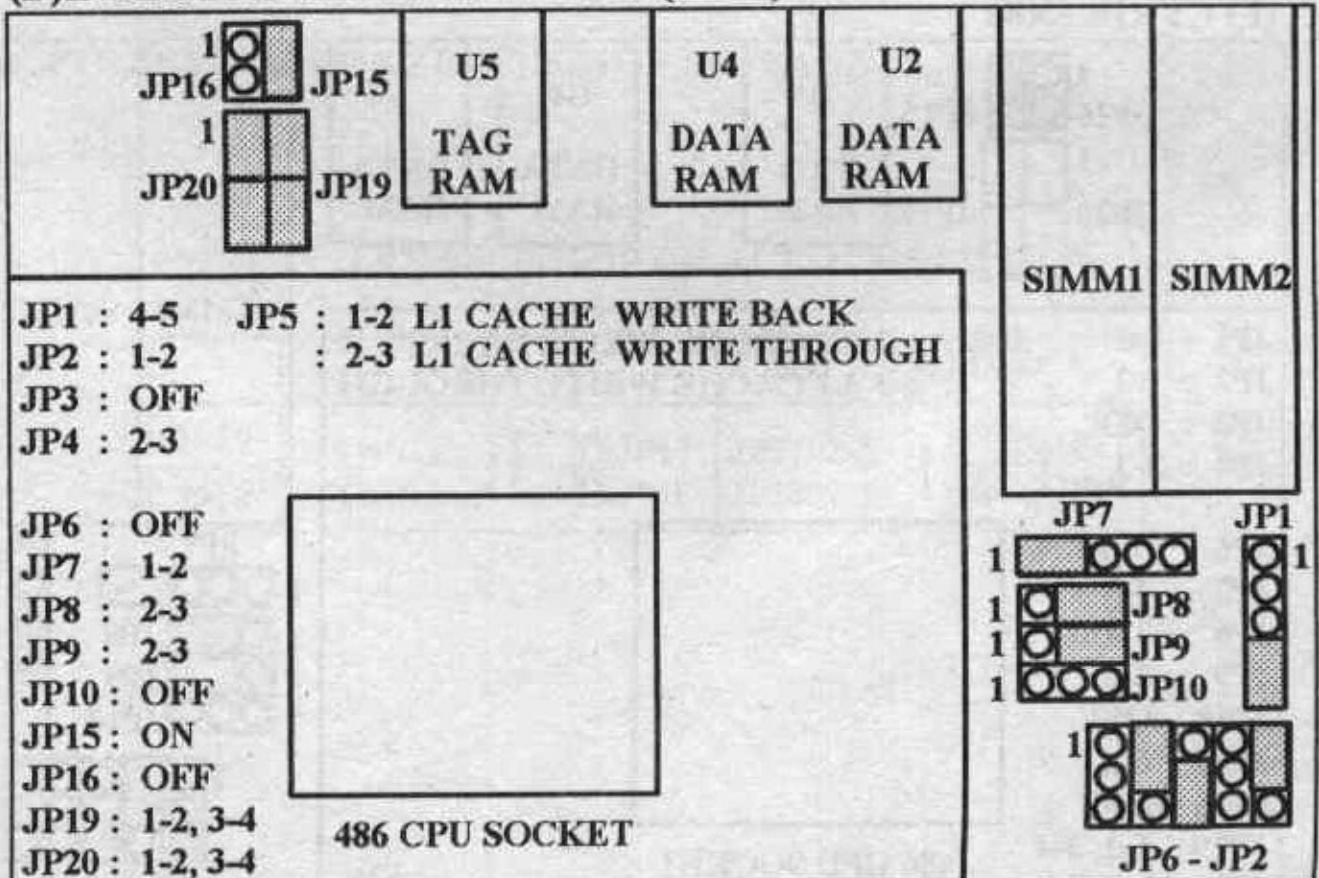
(B) AMD DX/DX2/DX4 (NV8T)



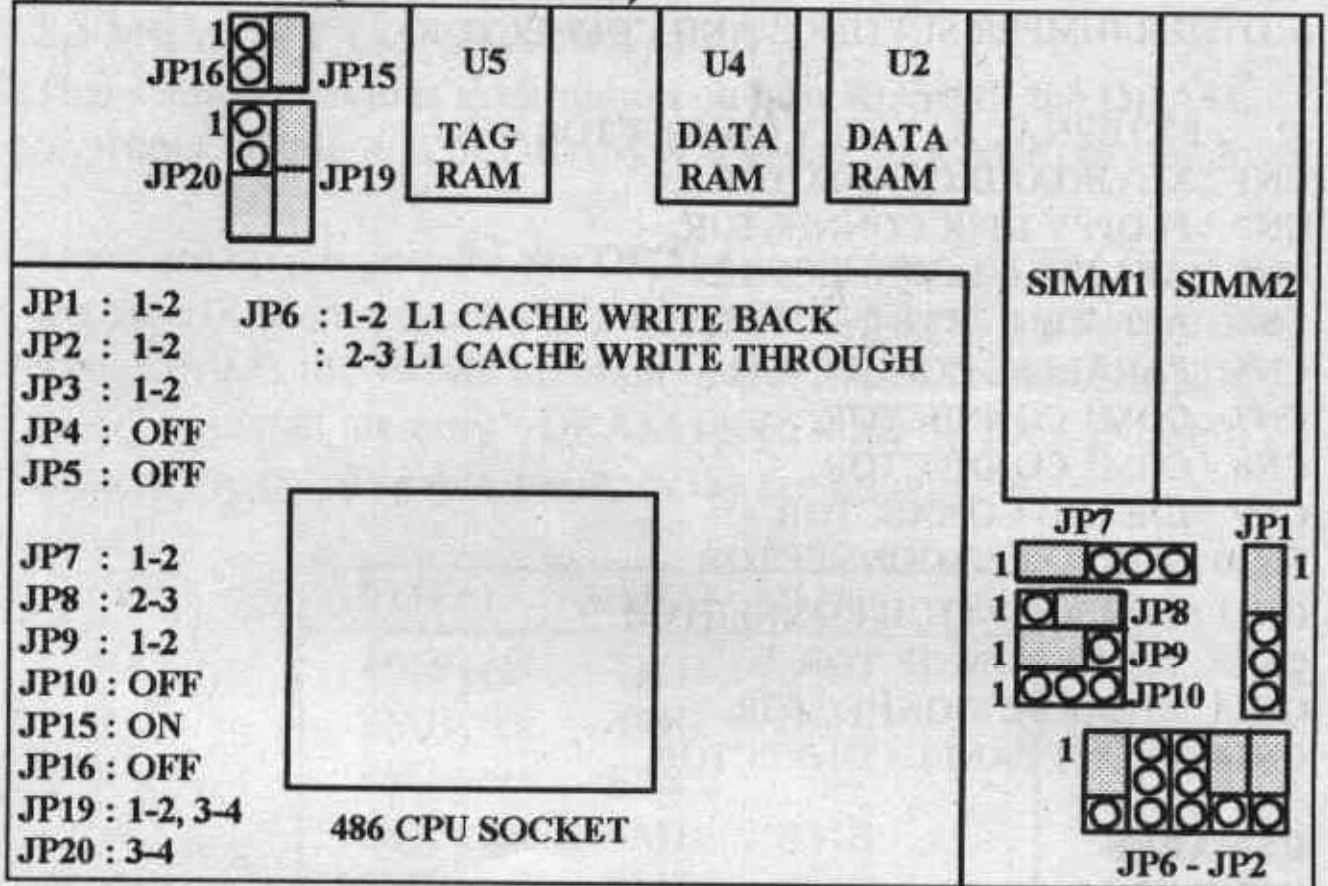
(C) TI/CYRIX DX2/DX4



(D) INTEL P24D /AMD ENHANCED (SV8B)







(G) INTEL P24T (PENTIUM ODP)



4. JP11-JP13: CACHE SIZE SELECTOR, SEE PAGE 10.

5. JP17, JP18 : BATTERY SELECTOR (BLACK JUMPER CAP)

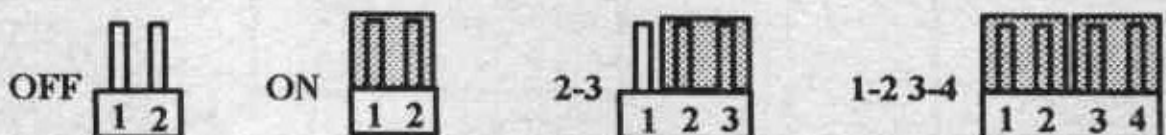
	NORMAL	RTC DISCHARGE
JP17	JP17: 1-2  JP17	JP17: 2-3  JP17
JP18	JP18: 1-2  JP18	JP18: 2-3  JP18

6. OTHER JUMPER SETTINGS AND CONNECTORS :

- J2 : EXTERNAL BATTERY CONNECTOR.
- CN1 : KEYBOARD CONNECTOR
- CN2 : FLOPPY DISK CONNECTOR.
- CN3 : ATA IDE # 1 CONNECTOR.
- CN4 : ATA IDE # 2 CONNECTOR.
- CN5 : PARALLEL CONNECTOR.
- CN7 : COM1 CONNECTOR.
- CN8 : COM2 CONNECTOR.
- CN9 : IDE LED CONNECTOR.
- CN10 : TURBO LED CONNECTOR.
- CN11 : TURBO SWITCH CONNECTOR.
- CN12 : RESET CONNECTOR.
- CN13 : SPEAKER CONNECTOR.
- CN14 : FRONT PANEL CONNECTOR.

REMARKS

1. BEFORE INSTALL A CPU ON MAIN BOARD, YOU NEED TO CHECK DETAILEDLY WITH YOUR SUPPLIER WHAT'S CPU CLOCK, VOLTAGE , MODEL..THEN REFER TO ABOVE JUMPER SETTINGS FROM POINT 1 TO 3 CAREFULLY. PLEASE NOTE IMPROPER JUMPER SETTING WILL CAUSE SYSTEM TO SHUTDOWN.
2. INTEL -SLE 486 DX/DX2/DX4/ODP (OVER DRIVE PROCESSOR) ARE MARKED WITH "& E XXXX" WHICH SUPPORT GREEN FUNCTION.
3. INTEL P24D CPU IS MARKED WITH "& E W XXXX" WHICH SUPPORT WRITE-BACK MODE INTERNAL CACHE AND GREEN FUNCTION.
4. **P24T-63/83** ARE INTEL PENTIUM ODP CPUs HAVE ON PACKAGE 237 PINS AND 3.3V/5V VOLTAGE REGULATION. MAIN BOARD IS SET AS "5V".
5. AMD ENHANCED "**SV8B**" SERIES ARE AMD'S LATEST "WRITE-BACK" TECHNOLOGY CPUs.
6. EXPLANATION OF JUMPER SETTING STATUS



2.3 MEMORY CONFIGURATION

This section provides information on how to install the DRAM. Improper installation of DRAM will cause the system to shutdown.

There are no jumpers for the DRAM configuration. The BIOS will test the DRAM type and size automatically. There are two -banks from SIMM1 to SIMM2 on main board. please follow SIMM1, then 2 to install memory. DRAM speed must be 70ns or faster. Both parity (x36) or non-parity (x32) are acceptable.

TOTAL	SIMM1	SIMM2
4MBytes	4MB	
8MBytes	4MB	4MB
8MBytes	8MB	—
12MBytes	4MB	8MB
16MBytes	8MB	8MB
16MBytes	16MB	—
20MBytes	4MB	16MB
24MBytes	8MB	16MB
32MBytes	16MB	16MB
64MBytes	64MB	—