TAG

UM8881F

SOCKET 3

UM8886BF

ISA1-ISA4

PCI1-PCI4

SIMM1-SIMM4

CN7   CN8

CN6

CN2   CN5   CN3   CN4

UM8663

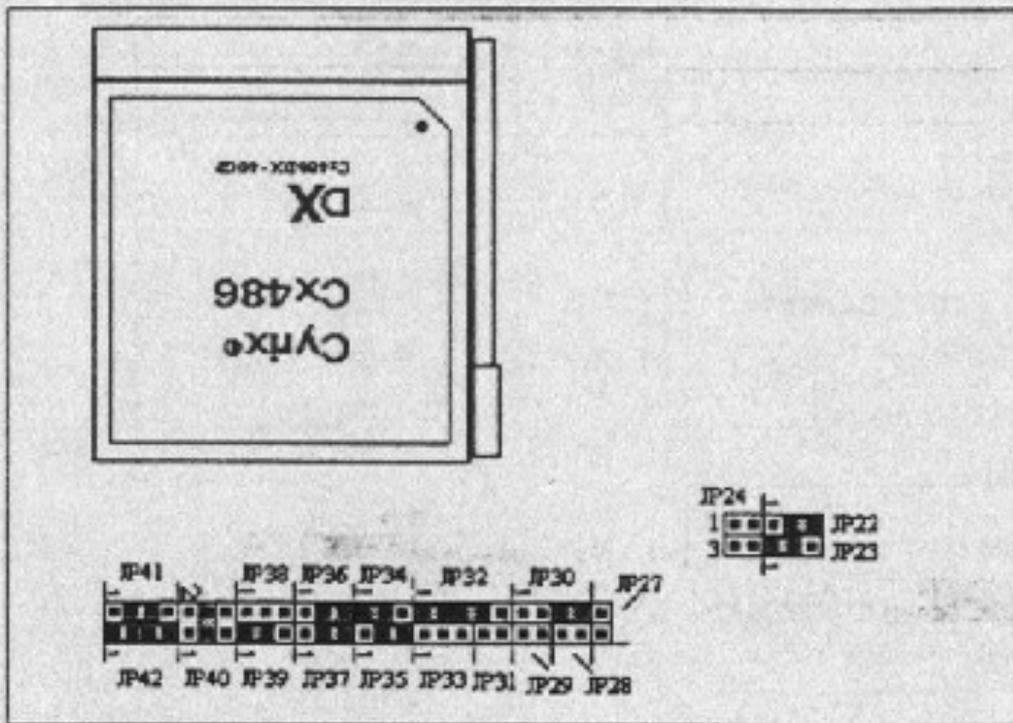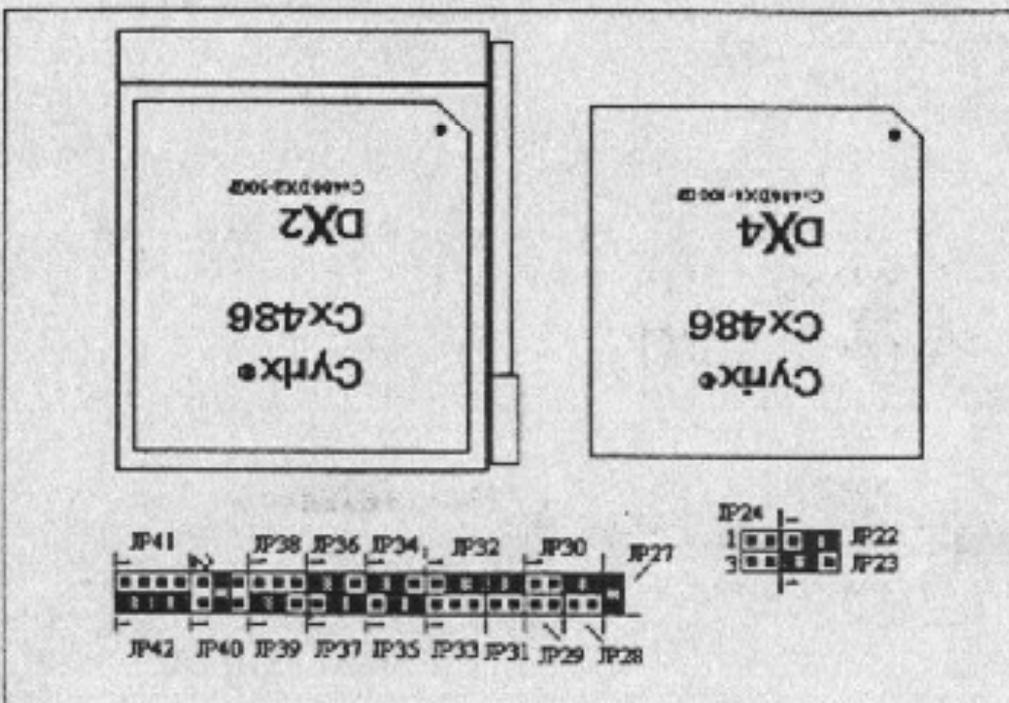KBD CONN

UM8663

CN1

KBD CTRL

* **Cyrix,IBM,TI,ST 486 DX CPU Setting**

* **Cyrix,IBM,TI,ST 486 DX2/4 CPU Setting**

CPU (Microprocessor) Install Selection
Set Jumpers according to your CPU type as shown below.

Intel 486 CPU

CPU Type	JP32	JP34	JP35	JP36	JP39	JP40	JP41	JP42
SX(PGA)	Open	Open	Open	Open	Open	1-2	Open	2-3
*DX/DX2	Open	Open	Open	Open	Open	1-2	Open	1-2,3-4
DX4	2-3,4-5	Open	Open	1-2	1-2	3-4	Open	1-2,3-4
DX/DX2-SL	2-3,4-5	Open	Open	1-2	1-2	3-4	Open	1-2,3-4
P24D	2-3,4-5	Open	Open	1-2	1-2	3-4	Open	Open
P24T	2-3,4-5	2-3	1-2	1-2	1-2	3-4,5-6	2-3	1-2

CPU Type	JP22	JP23	JP27	JP28	JP29	JP30	JP31	JP37
*DX/DX2	1-2	1-2	Open	Open	Open	3-4	Open	2-3
DX4	1-2	1-2	Open	Open	Open	3-4	Open	2-3
DX/DX2-SL	1-2	1-2	Open	Open	Open	3-4	Open	2-3
P24D	1-2	1-2	Open	1-2	1-2	3-4	1-2	2-3
P24T	1-2	1-2	Open	Open	Open	2-3	Open	2-3

AMD 486 CPU

CPU Type	JP32	JP34	JP35	JP36	JP39	JP40	JP41	JP42
DX/DX2	Open	Open	Open	Open	Open	1-2	Open	1-2,3-4
DX4	Open	Open	Open	Open	2-3	1-2	3-4	1-2,3-4
DX/DX2-SL	2-3,4-5	Open	Open	1-2	1-2	3-4	Open	1-2,3-4

CPU Type	JP22	JP23	JP27	JP28	JP29	JP30	JP31	JP37
DX/DX2	1-2	2-3	Open	Open	Open	3-4	Open	2-3
DX4	1-2	2-3	Open	Open	Open	1-2,3-4	Open	2-3
DX/DX2-SL	1-2	2-3	Open	Open	Open	3-4	Open	2-3

IBM,Cyrix,ST,TI 486 CPU

CPU Type	JP32	JP34	JP35	JP36	JP39	JP40	JP41	JP42
DX	1-2,3-4	1-2	2-3	2-3	1-2	3-4	2-3	1-2,3-4
DX2/DX4	2-3,4-5	1-2	2-3	1-2	1-2	3-4	Open	1-2,3-4

CPU Type	JP22	JP23	JP27	JP28	JP29	JP30	JP31	JP37
DX	2-3	1-2	Open	Open	Open	3-4	Open	2-3
DX2/DX4	2-3	1-2	1-2	Open	Open	3-4	Open	2-3

UMC 486 CPU

CPU Type	JP32	JP34	JP35	JP36	JP39	JP40	JP41	JP42
SX (U5)	Open	Open	Open	Open	2-3	1-2	3-4	2-3

CPU Type	JP22	JP23	JP27	JP28	JP29	JP30	JP31	JP37
SX (U5)	1-2	2-3	Open	Open	Open	1-2,3-4	Open	2-3

System Clock Selection

Set Jumpers according to the speed of the CPU that is installed.

SPEED (MHz)	JP5	JP7	JP8
25	Open	Open	Close
*33	Close	Close	Close
40	Open	Close	Close
50	Close	Open	Open

CPU Voltage Jumper Setting

This system board provided four different voltages for use with different CPUs. Set correct Jumper setting for your CPU's voltage.

CPU Voltage	JP18	JP19	JP20	JP50	JP51	JP52
5.0V	2-3	2-3	2-3	Open	Open	Open
*3.3V	1-2	1-2	1-2	Close	Open	Open
3.45V	1-2	1-2	1-2	Open	Close	Open
4.0V	1-2	1-2	1-2	Open	Open	Close

Cache RAM Selection

The system board supports 128K,256K,512K of cache memory. You configure cache memory by installing 32K8,64K8 or 128K8 SRAM chip in socket U22-U25, U31-U34 and a 8K8, 32K8 or 64K8 SRAM chip in Tag socket U6. You then set Jumpers as below.

Cache Size	JP24	JP25	JP26	Data RAM	Tag RAM
128 KB (1 Bank)	Open	1-2	Open	32K8X4	8K8
256 KB (1 Bank)	1-2	1-2	1-2	64K8X4	32K8
*256KB (2 Banks)	1-2	2-3	Open	32K8X8	32K8
512KB (1 Bank)	1-2,3-4	1-2	1-2, 3-4	128K8X4	32K8

L1 Cache Mode Configurations

	P24D, AMD-DX4 CPU L1 Cache	
JP38	1-2 Write Through	2-3 Write Back

Other CPU open.

BIOS Selection

The F4DXP-UC5D support EPROM BIOS and FLASH BIOS (Optional), JP3 is the jumper for the selection of EPROM BIOS or FLASH BIOS (5V & 12V). FLASH BIOS is a in-system reprogramable component that for you easily to update the BIOS information data by using a utility, you can simplify to update your BIOS information data at 1 minute with this utility. (This BIOS's programming utility only ship with the FLASH BIOS version of F4DXP-UC5D Mother board).

BIOS TYPE	JP3
EPROM BIOS	Open
FLASH BIOS (5V)	2-3
FLASH BIOS (12V)	1-2

DACK# and DRQ# Selection

When the on-board printer port is set to ECP, you should also set the DMA channel used by the ECP. The system board provides DRQ#1, 3 and DACK#1,3 for you to set. You must set the DRQ# and DACK# channels the same way.

DACK#	DRQ#	JP47	JP48
*1	*1	1-2	1-2
3	3	2-3	2-3

Power Saving Switch Jumper

Attach a power saving switch to this Jumper. When the switch is pressed, the system goes immediately into suspend mode. Press any key the system wakes up. (You should enable the PMM to use this function).

JP13   *Open = Normal
              Close = Suspend

EXTERNAL BATTERY CONNECTOR

A battery must be used to remain the system board configuration in CMOS RAM. You can use either the on-board battery or an external battery. If you use the on-board battery you must Close JP49 and short Pin1-2 of JP12, Pin1-2 of CN1. For an external battery,remove all jumper cap on the CN1, attaches the battery's cable connector to pin 1 and 4 of CN1 When U9 is using a 12887 chip, no external battery is needed.
You can also clear the system CMOS by shorting pin2-3 or pin 3-4 of the JP6.

JP6   *1-2   Normal
             2-3   Reset CMOS (When U9 is installing a 146818 chip)
             3-4   Reset CMOS (When U9 is installing a 12887 chip)

CONNECTORS

On Board Floppy Disk Drive Connector

CN2 : FLOPPY DISK DRIVE CONTROLLER.

On Board Multi I/O Serial Port

CN3 : 16550 COMPATIBLE ENHANCED SERIAL PORT. (COM1/3)

CN4 : 16550 COMPATIBLE ENHANCED SERIAL PORT. (COM2/4)

CN5 : GAME PORT.

CN6 : MULTI-MODE HIGH PERFORMANCE PARALLEL PORT.

On Board IDE Controller Connectors

CN7 : PCI PRIMARY IDE HARD DISK CONNECTOR.

CN8 : PCI SECONDARY IDE HARD DISK CONNECTOR

CN9 : KEYBOARD LOCK CONNECTOR

CN10 : SPEAKER CONNECTOR

Case Connectors

JP44 : Hardware Turbo switch
JP45 : Hardware RESET switch
LED1 : Turbo LED
D9   : Suspend Mode LED

* Factory Default Setting