VESA CARD INSTALL OPERATION

The mother board consists of Three (3) VESA Local Bus slots, each of them can be served as Master/Slave. The following jumper selection is needed for installing the VESA Local Bus Add-On cards.

VL BUS OPTION

	CLOSE	OPEN
JP21	*For VESA clock > 33 MHz	*For VESA clock <= 33 MHz
JP22	For VESA 1 WS	*For VESA 0 WS

* Factory Default Setting

CACHE SRAM INSTALL SELECTION

CACHE SIZE	JP7	JP8	JP9	JP10
64KB	OFF	OFF	OPEN	2-3
128KB	OFF	ON	1-2	1-2
*256KB				
One Bank (Bank 0) 64K8 x 4	ON	ON	1-2, 3-4	1-2
Two Bank (Bank 0 & 1) 32K8 x 8	ON	ON	2-3	2-3

* maximum cache size for the mother board.

CPU (MICROPROCESSOR) INSTALL SELECTION

CPU	JP11	JP12	JP13	JP17	JP18	JP19
486SX	OPEN	2-3	2-3	OPEN	OPEN	OPEN
*486DX	OPEN	2-3	1-2, 3-4	1-2	OPEN	OPEN
486DX-SL	1-2	1-2	1-2, 3-4	1-2	5-6	1-2, 3-4
P24D	1-2, 4-5	1-2, 4-5	1-2, 3-4	1-2	3-4, 5-6	1-2, 3-4
P24T	1-2	1-2	1-2, 3-4	2-3	5-6	1-2, 3-4
M6	1-2, 3-4, 5-6	1-2, 3-4, 5-6	2-3	OPEN	2-3, 4-5	2-3, 4-5
M7	1-2, 3-4, 5-6	1-2, 3-4, 5-6	1-2, 3-4	1-2	2-3, 4-5	2-3
UMC 486	2-3	2-3	2-3	3-4	1-2	OPEN
AMD 486 DXL	2-3	2-3	1-2, 3-4	1-2, 3-4	1-2	OPEN

* Factory default setting.

CPU POWER SETTING

	JP14	JP15	JP16	JP23
3.3 V	1-2	1-2	1-2	CLOSE
3.45 V	1-2	1-2	1-2	OPEN
*5.0 V	2-3	2-3	2-3	OPEN

*Factory default setting.

WARNING FOR 3.3 V CPU

1) For using 3.3 V CPU, a 3.3 V Voltage Regulator LT1085 should be used on U24

2) Adjust Jumpers JP14 - JP16, & JP23 as shown in CPU Power Setting of INSTALLATION Section.

CPU SPEED SELECTION (CLOCK SPEED SELECTION)

CPU CLOCK	JP4	JP5	JP6
25 MHz	OFF	OFF	ON
*33 MHz	ON	ON	ON
40 MHz	OFF	ON	ON
50 MHz	ON	OFF	OFF

*Factory default setting.

V JUMPER/CONNECTOR SELECTION

Please kindly take note about this session for we will discuss all the jumpers/connectors which are on the F4DXL-UC4D mother board.

5.1 CONNECTOR SUMMARY

CONNECTOR	FUNCTION
KB1	KEYBOARD CONNECTOR
JP1	CONNECTOR FOR EXTERNAL BATTERY
JP26/RESET	HARDWARE RESET SWITCH CONNECTOR
JP27/TBSW	TURBO SWITCH CONNECTOR
D1/TBLED	TURBO LED CONNECTOR
JP28/SPEAKER	SPEAKER CONNECTOR
JP29/KEYLOCK	KEYBOARD LOCK CONNECTOR

5.2 CONNECTOR DEFINITION

JP1 CONNECTOR FOR EXTERNAL BATTERY

PIN	ASSIGNMENT
*ON BOARD BATTERY : 2-3	NORMAL
ON BOARD BATTERY : 3-4	RESET CMOS
EXTEND BATTERY : 1	POSITIVE TERMINAL
EXTEND BATTERY : 4	NEGATIVE TERMINAL

JP26/RESET HARDWARE RESET SWITCH CONNECTOR

PIN	ASSIGNMENT
CLOSE	RESET
OPEN	NORMAL

JP27/TBSW TURBO SWITCH CONNECTOR

PIN	ASSIGNMENT
OFF (OPEN)	NON-TURBO MODE
ON (CLOSE)	TURBO MODE

D1/TBLED TURBO LED CONNECTOR

PIN	ASSIGNMENT
1	LED+ (ANODE)
2	LED- (CATHODE)

JP28/SPEAKER SPEAKER CONNECTOR

PIN	ASSIGNMENT
1	SPEAKER DATA
2	NOT USED
3	GROUND
4	+5V

JP29/KEYLOCK KEYBOARD LOCK CONNECTOR

PIN	ASSIGNMENT
1	+5V
2	NOT USED
3	GROUND
4	LOCK
5	GROUND

5.3 JUMPER SETTING

LOCAL BUS DEVICE CONTROL JP21, JP22

JP21	CLOSE,	=	*VESA CLOCK > 33MHz
	OPEN	=	VESA CLOCK < 33MHz
JP22	OPEN	=	*OWS
	CLOSE,	=	IWS

FLASH ROM SELECTION JP2

JP2	2-3	=	FOR 12.0 V FLASH ROM
	1-2	=	*FOR 5.0 V FLASH ROM

* Factory default setting

KEYBOARD CONTROLLER SELECTION JP3

JP3	CLOSE	=	*Internal keyboard controller
	OPEN	=	External keyboard controller

For using Internal keyboard controller: remove R15, R19, R26, R58 and close JP3
For using External keyboard controller remove R15, R20, R25

* Factory default setting

VI WINBIOS SYSTEM SETUP

WinBIOS Setup

WinBIOS Setup configures system information that is stored in CMOS RAM. WinBIOS Setup has an easy-to-use graphical user interface that will be immediately recognizable to anyone who has ever used Microsoft Windows. WinBIOS Setup sets a new standard in BIOS user interfaces.

Starting WinBIOS Setup

As POST executes, the following appears:

Hit <DEL> if you want to run SETUP

Press <Del> to run WinBIOS Setup.

WinBIOS Setup Features

Multiple Languages Supported

WinBIOS Setup can use up to four different languages (if at least 96 KB of ROM storage is available). The end user can select a language on the WinBIOS Setup main menu.

Icon-Based User Interface

WinBIOS Setup functions are all available in an easily-accessible graphical user interface.