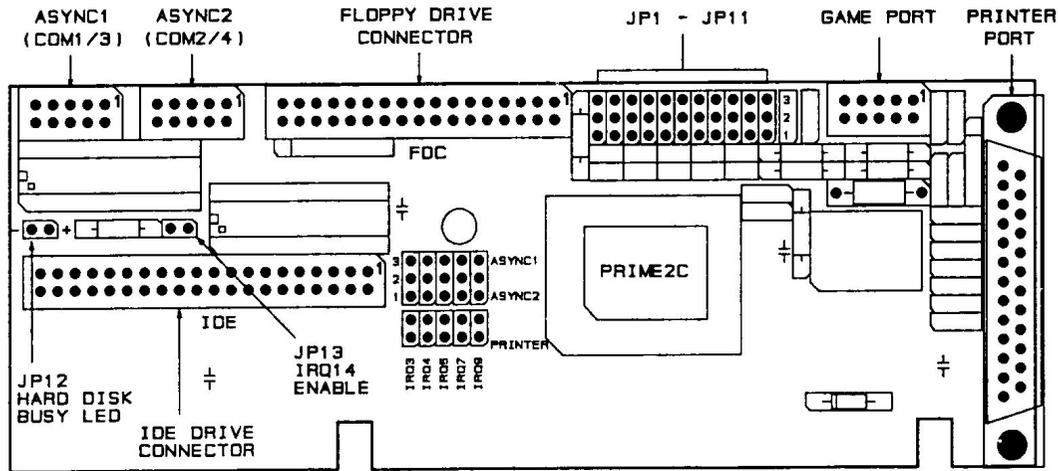


LAYOUT:



Operating Instructions

IDE MULTI-FUNCTION CARD

IDE PLUS-V4L

JMP	DESCRIPTION	1-2 (HIGH)	2-3 (LOW)
JP1	IDE ENABLE	* ENABLED	DISABLED
JP2	FDC ENABLE	* ENABLED	DISABLED
JP3	GAME PORT	* ENABLED	DISABLED
JP4	IDE PORT	* 1F0-1F7 (PRIMARY)	170-177 (SECONDARY)
JP5	ASYNC2 PORT	* 2F8-2FF (COM2)	2E8-2EF (COM4)
JP6	ASYNC2 ENABLE	* ENABLED	DISABLED
JP7	ASYNC1 PORT	* 3F8-3FF (COM1)	3E8-3EF (COM3)
JP8	ASYNC1 ENABLE	* ENABLED	DISABLED
JP9	PRINTER PORT	* 378-37F (LPT1)	278-27F (LPT2)
JP10	FDC PORT	* 3F0-3F7 (PRIMARY)	370-377 (SECONDARY)
JP11	PRINTER ENABLE	* ENABLED	DISABLED
JP13	IRQ14 ENABLE	* IN = ENABLED	OUT = DISABLED

AVAILABLE INTERRUPT SETTING						
DEVICE	IRQ3	IRQ4	IRQ5	IRQ7	IRQ8	IRQ9
ASYNC1		*				
ASYNC2	*					
PRINTER				*		

* = DEFAULT SETTING
IDE-PLUS-V4L

Before operating this unit, please read these instructions completely and retain it for future reference

Specification:

- One Printer Port
- Two Serial Ports: COM1/COM3 and COM2/COM4
- One Game Port
- Selectable Printer Port: LPT1 or LPT2
- Selectable IRQ signal for Serial Ports and Printer Port
- IDE Controller Interface for two hard disks
- Floppy Disk Controller for two floppy drives (Support 360KB, 1.2MB, 720KB or 1.44MB Floppy Drives)
- Support Secondary Floppy Drives and Hard Disks
- One 'Hard Disk Busy' LED Connector
- All functions can be enabled or disabled

Connector Name:

- Async1 : Serial Port 1 Connector
- Async2 : Serial Port 2 Connector
- FDC : Floppy Disk Connector
- IDE : IDE Hard Disk Connector
- Game : Game Port Connector
- Printer : Printer Port Connector

Jumper Setting:

JMP	JUMPERS DESCRIPTION	POSITION	
		1-2	2-3
JP1	IDE ENABLED/DISABLED	*ENABLED	DISABLED
JP2	FDC ENABLED/DISABLED	*ENABLED	DISABLED
JP3	GAME ENABLED/DISABLED	*ENABLED	DISABLED
JP4	IDE PORT SELECT	*PRIMARY(1F0-1F7)	SECONDARY(170-177)
JP5	ASYNC2 PORT SELECT	*COM2(2F8-2FF)	COM4(2E8-2EF)
JP6	ASYNC2 ENABLED/DISABLED	*ENABLED	DISABLED
JP7	ASYNC1 PORT SELECT	*COM1(3F8-3FF)	COM3(3E8-3EF)
JP8	ASYNC1 ENABLED/DISABLED	*ENABLED	DISABLED
JP9	PRINTER PORT SELECT	*LPT1(378-37F)	LPT2(278-27F)
JP10	FDC PORT SELECT	*PRIMARY(3F0-3F7)	SECONDARY(370-377)
JP11	PRINTER ENABLED/DISABLED	*ENABLED	DISABLED
JP13	IRQ 14 ENABLED/DISABLED	*SHORT=ENABLED	OPEN=DISABLED

Jumper Setting Table

Note: * - Default Factory Setting

Installing Hard Disk and Floppy Drives:

Warning: Turn off the Power Supply before commencing installation

- Connect the 40 pins flat cable connector to the 'IDE' connector on the card.
(Make sure that the direction of the cable is correct : Red Wire is pin one of the header)
- Connect the other end of the 40 pins flat cable to the hard disk in the correct direction.
- Connect the power cable to the hard drive's power socket.
- Connect the Hard Disk Indicator socket to the 'Led' jumper on the card.
- Connect the 34 pins flat cable connector to the 'FDC' connector on the card.
- Connect the other end of the 34 pins flat cable to the floppy drives.
(Note: The twisted end is for Drive A and the second one is for Drive B)
- Connect the power cable to the floppy drives.

Note for Installing Two Hard Drives:

Please refer to the Hard Disk Manual for setting the FIRST and SECOND drive !!!

Note: A 3 header, 40 pins flat cable is necessary to install two hard drives.

Setup CMOS for Disk Type :

- Use BIOS CMOS SETUP or AT DIAGNOSTIC program to set the correct floppy and hard drive type
- Physical and logical formatting of hard disk must be done for new drive.
(For detail method, please consult the hard drive supplier)

Note: Incorrect drive type setting will report a message of 'drive error' or/and may damage the drive.

Location of Ports:

- Game Port : 200H - 207H
- Printer Port (LPT1) : 378H - 37FH
- (LPT2) : 278H - 27FH
- Async1 (COM1) : 3F8H - 3FFH
- (COM3) : 3E8H - 3EFH
- Async2 (COM2) : 2F8H - 2FFH
- (COM4) : 2E8H - 2EFH
- Primary IDE : 1F0H - 1F7H
- Secondary IDE : 170H - 177H
- Primary Floppy Disk : 3F0H - 3F7H
- Secondary Floppy Disk : 370H - 377H