Premiere/PCI GX
Jumpers and Connectors

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Jumpers

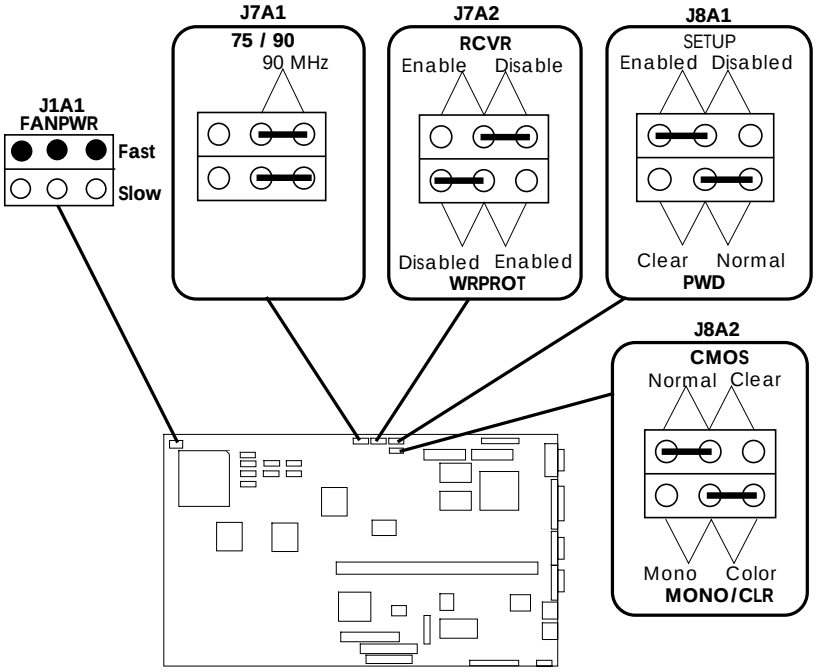

Figure B-1. Jumper locations and settings

Function	*Location*	*Jumper Block*	*Default*
Fast Fan --1 amp maximum Slow Fan -- 125 milliamps maximum	J1A1	Fast Slow	No default
75/90 and Reserved. These jumpers are set at the factory. The board may not function correctly if any jumper is moved.	J7A1	75/90 Reserved	90 MHz Pins 2-3
RCVR -- When enabled, allows recovery of the BIOS, if the BIOS is corrupted during an upgrade.	J7A2	RCVR	Disabled
WRPROT -- When enabled, prevents user upgrades to the BIOS stored in the flash EEPROM.	J7A2	WRPROT	Disabled
SETUP -- When enabled, allows user to enter the Setup program at boot-up.	J8A1	SETUP	Enabled
PWD -- When normal, a password may be set in the Setup utility. Clear allows an existing password to be cleared.	J8A1	PWD	Normal
CMOS -- When set to Clear, CMOS is reset to factory-default settings.	J8A2	CMOS	Normal
MONO/CLR -- Monochrome/color graphics mode	J8A2	MO/CLR	Color

Table B-1. System Board Jumper Default Settings

Connectors

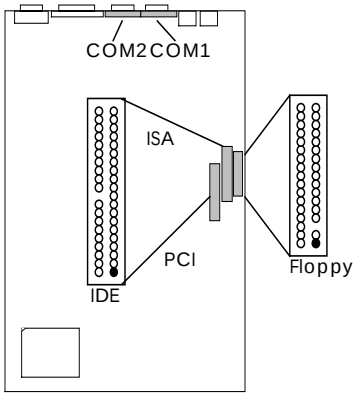

Figure C-1. Premiere/PCI GX internal connections

PS/2 STYLE MOUSE/KEYBOARD

Pi	*Signal Name*
1	Data
2	No Connect
3	Ground
4	Vcc (fused)
5	Clock
6	No Connect

PRIMARY POWER

Pi	*Name*	*Function*
1	PWRGD	Power Good
2	+5 V	+ 5 volts Vcc
3	+12 V	+ 12 volts
4	-12 V	- 12 volts
5	GND	Ground
6	GND	Ground
7	GND	Ground
8	GND	Ground
9	-5 V	-5 volts
10	+5 V	+ 5 volts Vcc
11	+5 V	+ 5 volts Vcc
12	+5 V	+ 5 volts Vcc

AUXILIARY (3.3V) POWER

Pin	*Name*	*Function*
1	GND	Ground
2	GND	Ground
3	GND	Ground
4	+3.3 V	+ 3.3 volts
5	+3.3V	+ 3.3 volts
6	+3.3 V	+ 3.3 volts

SPEAKER CONNECTOR

Pin	*Signal Name*
1	SPKR_DAT
2	Key
3	No Connect
4	+5V Vcc

RESET CONNECTOR

Pin	*Signal Name*
1	RESET
2	Ground

KEYLOCK/POWER LED

Pin	*Signal Name*
1	LED_PWR
2	Key
3	Ground
4	KEY LOCK
5	Ground

HARD DRIVE LED (DISK)

Pin	*Signal Name*
1	PULL_UP_330
2	HD ACTIVE-
3	Key
4	PULL_UP_330

TURBO LED

Pin	*Signal Name*
1	PULL_UP_330
2	LED_TURBO-

12V FAST FAN POWER

Pin	*Signal Name*
1	Ground
2	+12 V (fused)
3	Ground

10V SLOW FAN POWER

Pin	*Signal Name*
1	Ground
2	+12 V (fused)
3	Ground

SERIAL PORTS

Pin	Signal Name
1	DCD* (Data Carrier Detect)
2	SIN (Serial Input)
3	SOUT (Serial Output)
4	DTR* (Data Terminal Ready)
5	Ground
6	DSR* (Data Set Ready)
7	RTS* (Request to Send)
8	CTS* (Clear to Send)
9	RI* (Ring Indicator)

IDE CONNECTOR

Signal Name	Pin	Pin	Signal Name
Reset IDE	1	2	Ground
Host Data 7	3	4	Host Data 8
Host Data 6	5	6	Host Data 9
Host Data 5	7	8	Host Data 10
Host Data 4	9	10	Host Data 11
Host Data 3	11	12	Host Data 12
Host Data 2	13	14	Host Data 13
Host Data 1	15	16	Host Data 14
Host Data 0	17	18	Host Data 15
Ground	19	20	Key
DRQ3	21	22	Ground
I/O Write-	23	24	Ground
I/O Read-	25	26	Ground
IOCHRDY	27	28	BALE
DACK3-	29	30	Ground
IRQ14	31	32	IOCS16-
Addr 1	33	34	Ground
Addr 0	35	36	Addr 2
Chip Select 0-	37	38	Chip Select 1-
Activity	39	40	Ground

FLOPPY CONNECTOR

Signal Name	Pin	Pin	Signal Name
Ground	1	2	FDHDIN
Ground	3	4	Reserved
Key	5	6	FDEDIN
Ground	7	8	Index-
Ground	9	10	Motor Enable A-
Ground	11	12	Drive Select B-
Ground	13	14	Drive Select A-
Ground	15	16	Motor Enable B-
Ground	17	18	DIR-
Ground	19	20	STEP-
Ground	21	22	Write Data-
Ground	23	24	Write Gate-
Ground	25	26	Track 00-
Ground	27	28	Write Protect-
Ground	29	30	Read Data-
Ground	31	32	Side 1 Select-
Ground	33	34	Diskette

PARALLEL PORT CONNECTOR

Signal Name	Pin	Pin	Signal Name
STROBE-	1	2	AUTO FEED-
Data Bit 0	3	4	ERROR-
Data Bit 1	5	6	INIT-
Data Bit 2	7	8	SLCT IN-
Data Bit 3	9	10	Ground
Data Bit 4	11	12	Ground
Data Bit 5	13	14	Ground
Data Bit 6	15	16	Ground
Data Bit 7	17	18	Ground
ACJ-	19	20	Ground
BUSY	21	22	Ground
PE (Paper End)	23	24	Ground
SLCT	25		

GRAPHICS MONITOR PORT

Pin	Signal Name
1	Red
2	Green
3	Blue
4	No Connect
5	Ground
6	Ground
7	Ground
8	Ground
9	No Connect
10	Ground
11	No Connect
12	No Connect
13	Horizontal Sync.
14	Vertical Sync.
15	No Connect

VESA FEATURE CONNECTOR

Signal Name	Pin	Pin	Signal Name
Ground	1	2	Data 0
Ground	3	4	Data 1
Ground	5	6	Data 2
Data enable	7	8	Data 3
Sync enable	9	10	Data 4
PCLK enable	11	12	Data 5
Vcc	13	14	Data 6
Ground	15	16	Data 7
Ground	17	18	PCLK
Ground	19	20	BLANK
Ground	21	22	
Vcc	23	24	
	25	26	Ground

PCI RISER CONNECTOR (J9F1)

Signal Name	*Pin*	*Pin*	*Signal Name*
IOCHK-	A1	B1	GND
SD7	A2	B2	RSTDRV
SD6	A3	B3	Vcc
SD5	A4	B4	IRQ9
SD4	A5	B5	-5V
SD3	A6	B6	DRQ2
SD2	A7	B7	-12V
SD1	A8	B8	0WS-
SD0	A9	B9	+12V
IOCHRDY	A1	B10	GND
AEN	A1	B11	SMEMW-
SA19	A1	B12	SMEMR-
SA18	A1	B13	IOW-
SA17	A1	B14	IOR-
SA16	A1	B15	DACK3-
SA15	A1	B16	DRQ3
SA14	A1	B17	DACK1-
SA13	A1	B18	DRQ1
SA12	A1	B19	REFRESH-
SA11	A2	B20	SYSCLK
SA10	A2	B21	IRQ7
SA9	A2	B22	IRQ6
SA8	A2	B23	IRQ5
SA7	A2	B24	IRQ4
SA6	A2	B25	IRQ3
SA5	A2	B26	DACK2-
SA4	A2	B27	TC
SA3	A2	B28	BALE
SA2	A2	B29	Vcc
SA1	A3	B30	OSC
SA0	A3	B31	GND
SBHE-	C1	D1	MEMCS16-
LA23	C2	D2	IOCS16-
LA22	C3	D3	IRQ10
LA21	C4	D4	IRQ11
LA20	C5	D5	IRQ12
LA19	C6	D6	IRQ13
LA18	C7	D7	IRQ14
LA17	C8	D8	DACK0-
MEMR-	C9	D9	DRQ0
MEMW-	C1	D10	DACK5-
SD8	C1	D11	DRQ5
SD9	C1	D12	DACK6-
SD10	C1	D13	DRQ6
SD11	C1	D14	DACK7-
SD12	C1	D15	DRQ7
SD13	C1	D16	Vcc
SD14	C1	D17	MASTER-
SD15	C1	D18	GND

Signal Name	*Pin*	*Pin*	*Signal Name*
GND	E1	F1	GND
GND	E2	F2	GND
PCIINT1-	E3	F3	PCIINT3-
PCIINT2-	E4	F4	PCIINT4-
Vcc	E5	F5	Vcc
Key	E6	F6	Key
Vcc	E7	F7	Vcc
PCIRST-	E8	F8	PCLKF
GNT0-	E9	F9	GND
REQ0-	E1	F10	GNT1-
GND	E1	F11	GND
PCLKE	E1	F12	REQ1-
GND	E1	F13	AD31
AD30	E1	F14	AD29
3.3V	E1	F15	3.3V
Key	E1	F16	Key
3.3V	E1	F17	3.3V
AD28	E1	F18	AD27
AD26	E1	F19	AD25
AD24	E2	F20	CBE3-
AD22	E2	F21	AD23
AD20	E2	F22	AD21
AD18	E2	F23	AD19
3.3V	E2	F24	3.3V
Key	E2	F25	Key
3.3V	E2	F26	3.3V
AD16	E2	F27	AD17
FRAME-	E2	F28	IRDY-
CBE2-	E2	F29	DEVSEL-
TRDY-	E3	F30	PLOCK-
STOP-	E3	F31	PERR-
SDONE	G1	H1	SERR-
SBO-	G2	H2	AD15
CBE1-	G3	H3	AD14
PAR	G4	H4	AD12
GND	G5	H5	GND
Key	G6	H6	Key
GND	G7	H7	GND
AD13	G8	H8	AD10
AD11	G9	H9	AD8
AD9	G1	H10	AD7
CBE0-	G1	H11	AD5
AD6	G1	H12	AD3
AD4	G1	H13	AD1
AD2	G1	H14	AD0
Key	G1	H15	Key
Vcc	G1	H16	Vcc
Vcc	G1	H17	Vcc
GND	G1	H18	GND
GND	G1	H19	GND

ISA CONNECTORS

Signal Name	*Pin*	*Pin*	*Signal Name*
GND	B1	A1	IOCHK-
RSTDRV	B2	A2	SD7
Vcc	B3	A3	SD6
IRQ9	B4	A4	SD5
-5V	B5	A5	SD4
DRQ2	B6	A6	SD3
-12V	B7	A7	SD2
0WS-	B8	A8	SD1
+12V	B9	A9	SD0
GND	B10	A10	IOCHRDY
SMEMW-	B11	A11	AEN
SMEMR-	B12	A12	SA19
IOW-	B13	A13	SA18
IOR-	B14	A14	SA17
DACK3-	B15	A15	SA16
DRQ3	B16	A16	SA15
DACK1-	B17	A17	SA14
DRQ1	B18	A18	SA13
REFRESH-	B19	A19	SA12
SYSCLK	B20	A20	SA11
IRQ7	B21	A21	SA10
IRQ6	B22	A22	SA9
IRQ5	B23	A23	SA8
IRQ4	B24	A24	SA7
IRQ3	B25	A25	SA6
DACK2-	B26	A26	SA5
TC	B27	A27	SA4
BALE	B28	A28	SA3
Vcc	B29	A29	SA2
OSC	B30	A30	SA1
GND	B31	A31	SA0
	KEY	KEY	
MEMCS16-	D1	C1	SBHE-
IOCS16-	D2	C2	LA23
IRQ10	D3	C3	LA22
IRQ11	D4	C4	LA21
IRQ12	D5	C5	LA20
IRQ15	D6	C6	LA19
IRQ14	D7	C7	LA18
DACK0-	D8	C8	LA17
DRQ0	D9	C9	MEMR-
DACK5-	D10	C10	MEMW-
DRQ5	D11	C11	SD8
DACK6-	D12	C12	SD9
DRQ6	D13	C13	SD10
DACK7-	D14	C14	SD11
DRQ7	D15	C15	SD12
Vcc	D16	C16	SD13
Master-	D17	C17	SD14
GND	D18	C18	SD15