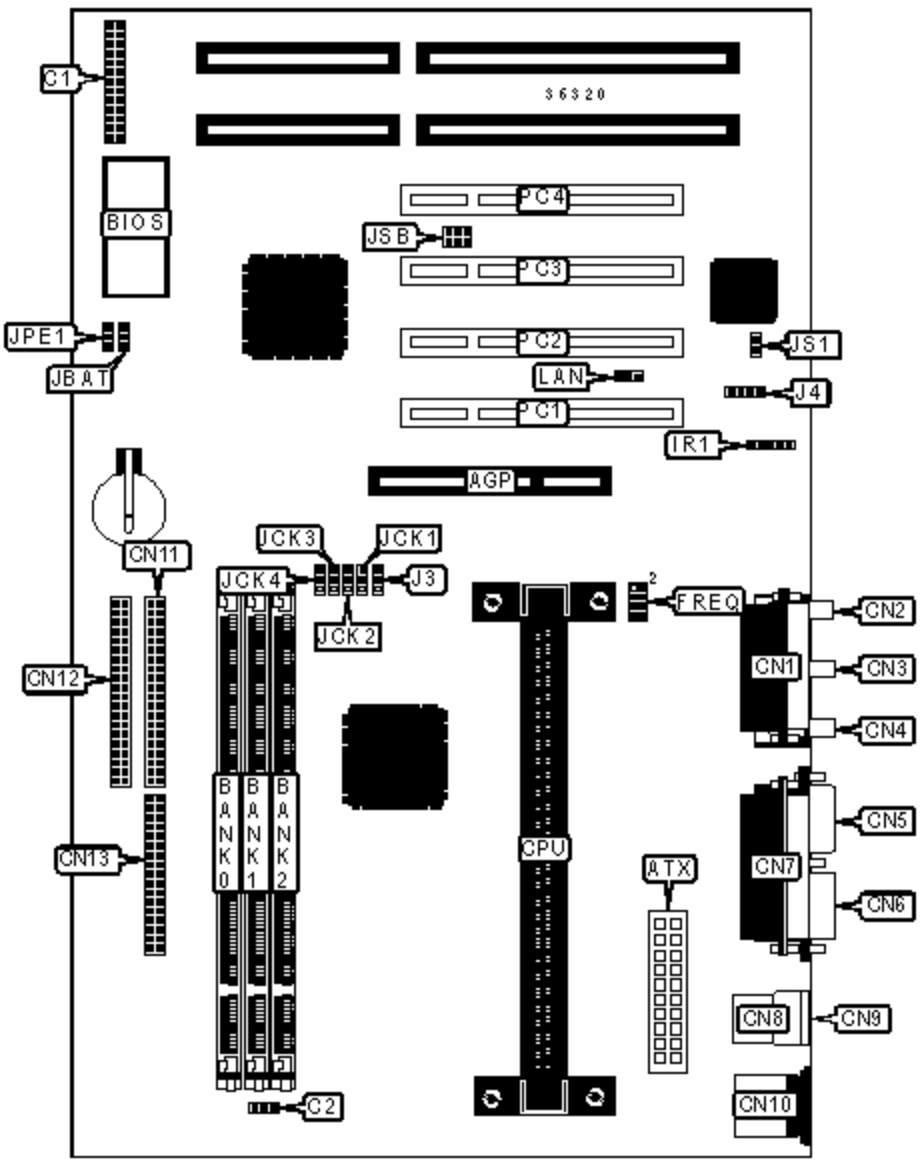


# PROCAMP INFORMATICS, LTD.

## B782

<b>Device Type</b>	Mainboard
<b>Processor</b>	Pentium II
<b>Processor Speed</b>	233/266/300/333/350/366/400/450/500/550MHz
<b>Chip Set</b>	VIA VT
<b>Maximum Onboard Memory</b>	384MB (SDRAM supported)
<b>Audio Chip Set</b>	ESS
<b>Cache</b>	256/512KB (located on Pentium II CPU)
<b>BIOS</b>	Award
<b>Dimensions</b>	305mm x 185mm
<b>I/O Options</b>	32-bit PCI slots (4), floppy drive interface, game/MIDI port, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector, AGP slot, line in, line out, microphone in, SB-link connector, wake on LAN connector



### CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Serial port 2	CN5
ATX	ATX	Serial port 1	CN6

AIX power connector	AIX	Serial port 1	CN6
Green PC connector	C1/pins 1 & 2	Parallel port	CN7
Green PC LED	C1/pins 4 & 5	USB connector 1	CN8
Soft off power supply	C1/pins 7 & 8	USB connector 2	CN9
IDE interface LED	C1/pins 12 & 13	PS/2 mouse port	CN10
Speaker	C1/pin14 - 17s	IDE interface 1	CN11
Reset switch	C1/pins 19 & 20	IDE interface 2	CN12
Power LED & keylock	C1/pins 21- -26	Floppy drive interface	CN13
Chassis fan power	C2	IR connector	IR1
Game/MIDI port	CN1	SB-link connector	JSB
Microphone in	CN2	Wake on LAN connector	LAN
Line in	CN3	32-bit PCI slots	PC1 - PC4
Line out	CN4		

### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	IOQ depth select 4	J3	Pins 1 & 2 closed
	IOQ depth select 1	J3	Pins 2 & 3 closed
»	Factory configured - do not alter	J4	Unidentified
»	CMOS memory normal operation	JBAT	Pins 1 & 2 closed
	CMOS memory clear	JBAT	Pins 2 & 3 closed
	Flash BIOS select 2MB	JPE1	Pins 1 & 2 closed
	Flash BIOS select 1MB	JPE1	Pins 2 & 3 closed
	On board sound enabled	JS1	Closed
	On board sound disabled	JS1	Open

### DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
8MB	(1) 1M x 64	None	None
16MB	(1) 2M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64	None
40MB	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64

<b>DIMM CONFIGURATION (CON'T)</b>			
Size	Bank 0	Bank 1	Bank 2
56MB	(1) 4M x 64	(1) 2M x 64	(1) 1M x 64
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64	None
72MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
88MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64

96MB	(1) 8M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
104MB	(1) 8M x 64	(1) 4M x 64	(1) 1M x 64
112MB	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64	None
136MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64	None
144MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
152MB	(1) 16M x 64	(1) 2M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None
160MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
168MB	(1) 16M x 64	(1) 4M x 64	(1) 1M x 64
176MB	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
200MB	(1) 16M x 64	(1) 8M x 64	(1) 1M x 64
208MB	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64

**CACHE CONFIGURATION**

Note: 256KB/512KB cache is located on the Pentium II CPU.

### CPU SPEED SELECTION (66MHZ SDRAM FREQUENCY)

CPU speed	Clock speed	Multiplier	FREQ/pins 1 & 2	FREQ/pins 3 & 4	FREQ/pins 5 & 6	FREQ/pins 7 & 8
233MHz	66MHz	3.5x	Closed	Open	Open	Closed
266MHz	66MHz	4x	Open	Closed	Closed	Closed
300MHz	66MHz	4.5x	Open	Closed	Open	Closed
333MHz	66MHz	5x	Open	Open	Closed	Closed
366MHz	66MHz	5.5x	Closed	Open	Open	Open
350MHz	100MHz	3.5x	Closed	Open	Open	Closed
400MHz	100MHz	4x	Open	Closed	Closed	Closed
450MHz	100MHz	4.5x	Open	Closed	Open	Closed
500MHz	100MHz	5x	Open	Open	Closed	Closed
550MHz	100MHz	5.5x	Closed	Open	Open	Open

### CPU SPEED SELECTION (66MHZ SDRAM FREQUENCY, CON'T)

CPU speed	Clock speed	Multiplier	JCK1	JCK2	JCK3	JCK4
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	2 & 3
266MHz	66MHz	4x	1 & 2	1 & 2	1 & 2	2 & 3
300MHz	66MHz	4.5x	1 & 2	1 & 2	1 & 2	2 & 3
333MHz	66MHz	5x	1 & 2	1 & 2	1 & 2	2 & 3
366MHz	66MHz	5.5x	1 & 2	1 & 2	1 & 2	2 & 3
350MHz	100MHz	3.5x	1 & 2	1 & 2	2 & 3	2 & 3
400MHz	100MHz	4x	1 & 2	1 & 2	2 & 3	2 & 3
450MHz	100MHz	4.5x	1 & 2	1 & 2	2 & 3	2 & 3
500MHz	100MHz	5x	1 & 2	1 & 2	2 & 3	2 & 3
550MHz	100MHz	5.5x	1 & 2	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

Note: Pins designated should be in the closed position.

**CPU SPEED SELECTION (100MHZ SDRAM FREQUENCY)**

CPU speed	Clock speed	Multiplier	FREQ/pins 1 & 2	FREQ/pins 3 & 4	FREQ/pins 5 & 6	FREQ/pins 7 & 8
350MHz	100MHz	3.5x	Closed	Open	Open	Closed
400MHz	100MHz	4x	Open	Closed	Closed	Closed
450MHz	100MHz	4.5x	Open	Closed	Open	Closed
500MHz	100MHz	5x	Open	Open	Closed	Closed
550MHz	100MHz	5.5x	Closed	Open	Open	Open

**CPU SPEED SELECTION (100MHZ SDRAM FREQUENCY, CON'T)**

CPU speed	Clock speed	Multiplier	JCK1	JCK2	JCK3	JCK4
350MHz	100MHz	3.5x	1 & 2	1 & 2	2 & 3	1 & 2
400MHz	100MHz	4x	1 & 2	1 & 2	2 & 3	1 & 2
450MHz	100MHz	4.5x	1 & 2	1 & 2	2 & 3	1 & 2
500MHz	100MHz	5x	1 & 2	1 & 2	2 & 3	1 & 2
550MHz	100MHz	5.5x	1 & 2	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.