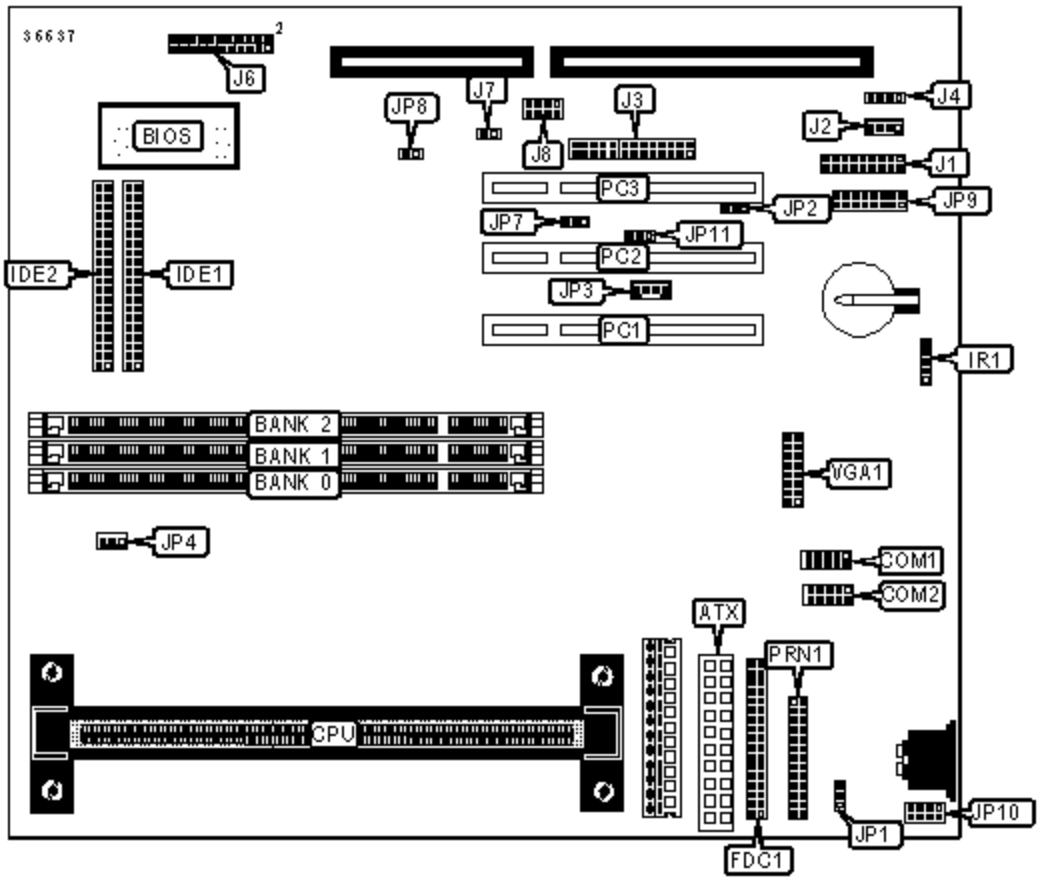
PC CHIPS MANUFACTURING, LTD.

M748

Device Type	Mainboard
Processor	Celeron/Pentium II/Pentium III
Processor Speed	233/266/300/333/350/366/400/433/450/466/500MHz
Chip Set	Unidentified
Video Chip Set	Unidentified
Audio Chip Set	Unidentified
Maximum Onboard Memory	768MB (SDRAM supported)
Maximum Audio Memory	Unidentified
Cache	0/128/256/512KB (located on the CPU)
BIOS	AMI
Dimensions	220mm x 220mm
I/O Options (backplane)	32-bit PCI slots (3), floppy drive interface, game interface, sound interface, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), VGA interface, IR connector, ATX power connector, audio in - CD-ROM (2), SPDIF connector



CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	Keylock	J6/Pins 8 & 10
Serial port 1	COM1	Turbo LED	J6/Pins 13 & 14
Serial port 2	COM2	IDE interface	J6/Pins 15 & 16

Floppy drive interface	FDC1	Reset switch	J6/Pins 17 & 18
IDE interface 1	IDE1	Power button	J6/Pins 21 & 22
IDE interface 2	IDE2	SPDIF connector	J7
IR connector	IR1	Digital audio connector	J8
ATX form card connector	J1	CPU fan power	JP4
Audio in - CD-ROM (Panasonic)	J2	Wake-on-LAN connector	JP3
Game interface	J3	Modem Module connector	JP9
Sound interface	J3	PS/2 mouse interface	JP10
Audio in - CD-ROM (Sony)	J4	32-bit PCI slots	PC1 - PC3
Speaker	J6/Pins 1, 3, 5 & 7	Parallel port	PRN1
Power LED	J6/Pins 2, 4 & 6	VGA interface	VGA1
Note: The ATX form card supplies 2 USB connector, a PS/2mouse and an IR connector.			

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
»	PWRON keyboard disabled	JP1	Pins 1 & 2 closed
	PWRON keyboard enabled	JP1	Pins 2 & 3 closed
»	CMOS memory normal operation	JP2	Pins 1 & 2 closed
	CMOS memory clear	JP2	Pins 2 & 3 closed
»	Onboard sound pro enabled	JP7	Pins 1 & 2 closed
	Onboard sound pro disabled	JP7	Pins 2 & 3 closed
»	SPDIF OUT signal level selector 0.5v	JP8	Open
	SPDIF OUT signal level selector 5.0v	JP8	Closed

DIMM CONFIGURATION			
Size	**Bank 0**	**Bank 1**	**Bank 2**
8MB	(1) 1M x 64	None	None

16MB	(1) 1M x 64	(1) 1M x 64	None
16MB	(1) 2M x 64	None	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
256MB	(1) 16M x 64	(1) 16M x 64	None
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
272MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64

384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64
Note: Board supports SDRAM memory.			

CACHE CONFIGURATION
Note: 256KB/512KB cache is located on the Pentium II/III CPU. 128KB cache is located on the Celeron 300A & and greater CPUs.