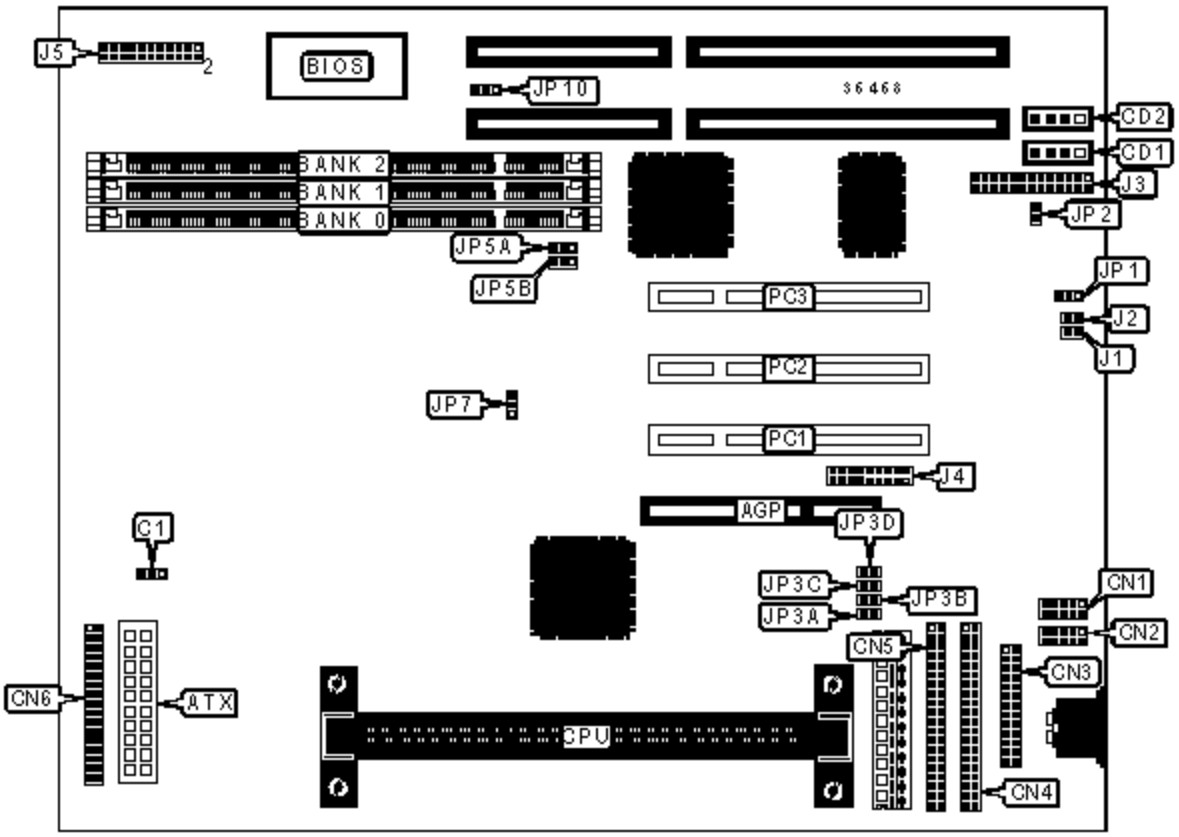
PC CHIPS MANUFACTURING, LTD.

M729

Device Type	Mainboard
Processor	Pentium II/Celeron
Processor Speed	233/266/300/333/366/350/400/450MHz
Chip Set	Unidentified
Maximum Onboard Memory	384MB (EDO & SDRAM & PC100 supported)
Audio Chip Set	Unidentified
Cache	0/128/256/512KB (located on the CPU)
BIOS	AMI
Dimensions	254mm x 218mm
I/O Options	32-bit PCI slots (3), floppy drive interface, game interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, USB connector, ATX power connector, AGP slot, line in, line out, microphone in, audio in – CD-ROMs (2)



CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
AGP slot	AGP	Digital audio out	J1
ATX power connector	ATX	Digital audio in	J2
CPU fan power	C1	Sound/game connector	J3
Audio in – CD-ROM	CD1	ATX form card connector	J4
Audio in – CD-ROM	CD2	Speaker	J5/pins 1/3/5/7
Serial port 2	CN1	Power LED & keylock	J5/pins 2/4/6/8/10

Serial port 1	CN2	Turbo LED	J5/pins 13 & 14
Parallel port	CN3	IDE interface LED	J5/pins 15 & 16
IDE interface 2	CN4	Reset switch	J5/pins 17 & 18
IDE interface 1	CN5	Green PC LED	J5/pins 19 & 20
Floppy drive interface	CN6	32-bit PCI slots	PC1 – PC3

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
»	On board sound enabled	JP1	Pins 2 & 3 closed
	On board sound disabled	JP1	Pins 1 & 2 closed
»	Microphone type select standard	JP2	Open
	Microphone type select special	JP2	Closed
»	CMOS memory normal operation	JP10	Pins 1 & 2 closed
	CMOS memory clear	JP10	Pins 2 & 3 closed

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
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

DIMM CONFIGURATION (CON'T)			
Size	**Bank 0**	**Bank 1**	**Bank 2**
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
Note: Board accepts EDO & SDRAM & PC100 memory.			

DIMM VOLTAGE CONFIGURATION			
Voltage		**JP5A**	**JP5B**
»	3.3v	Pins 2 & 3 closed	Pins 2 & 3 closed
	5v	Pins 1 & 2 closed	Pins 1 & 2 closed

CACHE CONFIGURATION
Note: 256KB/512KB cache is located on the Pentium II CPU. 128KB cache is located on the Celeron 300A & 333 CPU.

CPU SPEED SELECTION (CELERON)							
CPU speed	**Clock speed**	**Multiplier**	**JP3A**	**JP3B**	**JP3C**	**JP3D**	**JP7**

266MHz	66MHz	4x	Closed	Closed	Closed	Open	2 & 3
300MHz	66MHz	4.5x	Open	Closed	Closed	Open	2 & 3
333MHz	66MHz	5x	Closed	Closed	Open	Open	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (PENTIUM II)

CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP3D	JP7
233MHz	66MHz	3.5x	Open	Closed	Open	Closed	2 & 3
266MHz	66MHz	4x	Closed	Closed	Closed	Open	2 & 3
300MHz	66MHz	4.5x	Open	Closed	Closed	Open	2 & 3
333MHz	66MHz	5x	Closed	Closed	Open	Open	2 & 3
366MHz	66MHz	5.5x	Open	Closed	Open	Open	2 & 3
350MHz	100MHz	3.5x	Open	Closed	Open	Closed	1 & 2
400MHz	100MHz	4x	Closed	Closed	Closed	Open	1 & 2
450MHz	100MHz	4.5x	Open	Closed	Closed	Open	1 & 2

Note: Pins designated should be in the closed position.