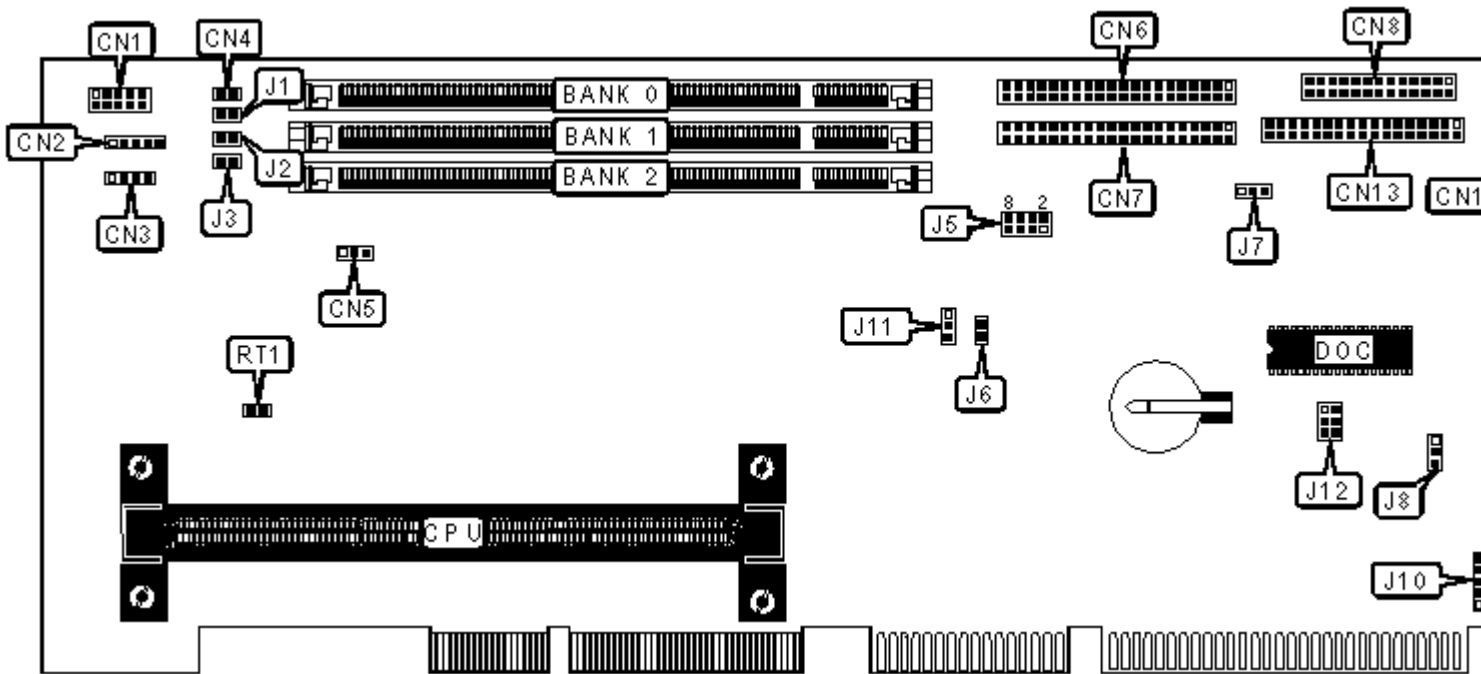


ADVANTECH CO., LTD.

PCA-6175, PCA-6175H

Device Type	Single Board Computer
Processor	Pentium II
Processor Speed	233/266/300/333MHz
Chip Set	Intel 440LX
Maximum Onboard Memory	384MB (EDO & SDRAM supported)
Cache	512KB (located on the CPU)
BIOS	Award
Dimensions	338mm x 122mm
I/O Options	Floppy drive interface, green PC connector, IDE interfaces (2), parallel interface, PS/2 mouse/keyboard port, serial ports (2), IR connector, USB interface, ATX feature connector, Disk-on-Chip
Data Bus	16-bit ISA/32-bit PCI



CONNECTIONS

Purpose	Location	Purpose	Location
IR connector	CN1	USB interface	CN11
Power LED & keylock	CN2	PS/2 mouse/keyboard port	CN12
Speaker	CN3	Floppy drive interface	CN13
IDE interface LED	CN4	Soft off power supply	J1
CPU fan power	CN5	Reset switch	J2
IDE interface 1	CN6	Green PC connector	J3
IDE interface 2	CN7	ATX feature connector	J7

Parallel interface	CN8	Keyboard interface	J10
Serial port 1	CN9	Sensor connector	RT1
Serial port 2	CN10	Dish-on-Chip	DOC

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	J6	Pins 1 & 2 closed
	CMOS memory clear	J6	Pins 2 & 3 closed
»	Watchdog timer enabled	J8	Pins 1 & 2 closed
	Watchdog timer disabled	J8	Pins 2 & 3 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) 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 supports EDO & SDRAM memory.

CACHE CONFIGURATION

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

CPU SPEED SELECTION

Speed	J5/Pins 1 & 2	J5/Pins 3 & 4	J5/Pins 5 & 6	J5/Pins 7 & 8
233MHz	Open	Closed	Closed	Closed
266MHz	Open	Open	Open	Open
300MHz	Open	Closed	Open	Open
333MHz	Open	Open	Closed	Open

BUS CLOCK SELECTION

Speed	J11
66.6MHz	Pins 1 & 2 closed
75MHz	Pins 2 & 3 closed

DOC ADDRESS SELECTION

Address	JP12/Pins 1 & 2	JP12/Pins 3 & 4	JP12/Pins 5 & 6
Disabled	Open	Open	Open
C800	Closed	Closed	Closed
CC00	Closed	Closed	Open
D000	Closed	Closed	Closed
D400	Closed	Open	Open
D800	Open	Closed	Closed
DC00	Open	Closed	Open
E000	Open	Open	Closed