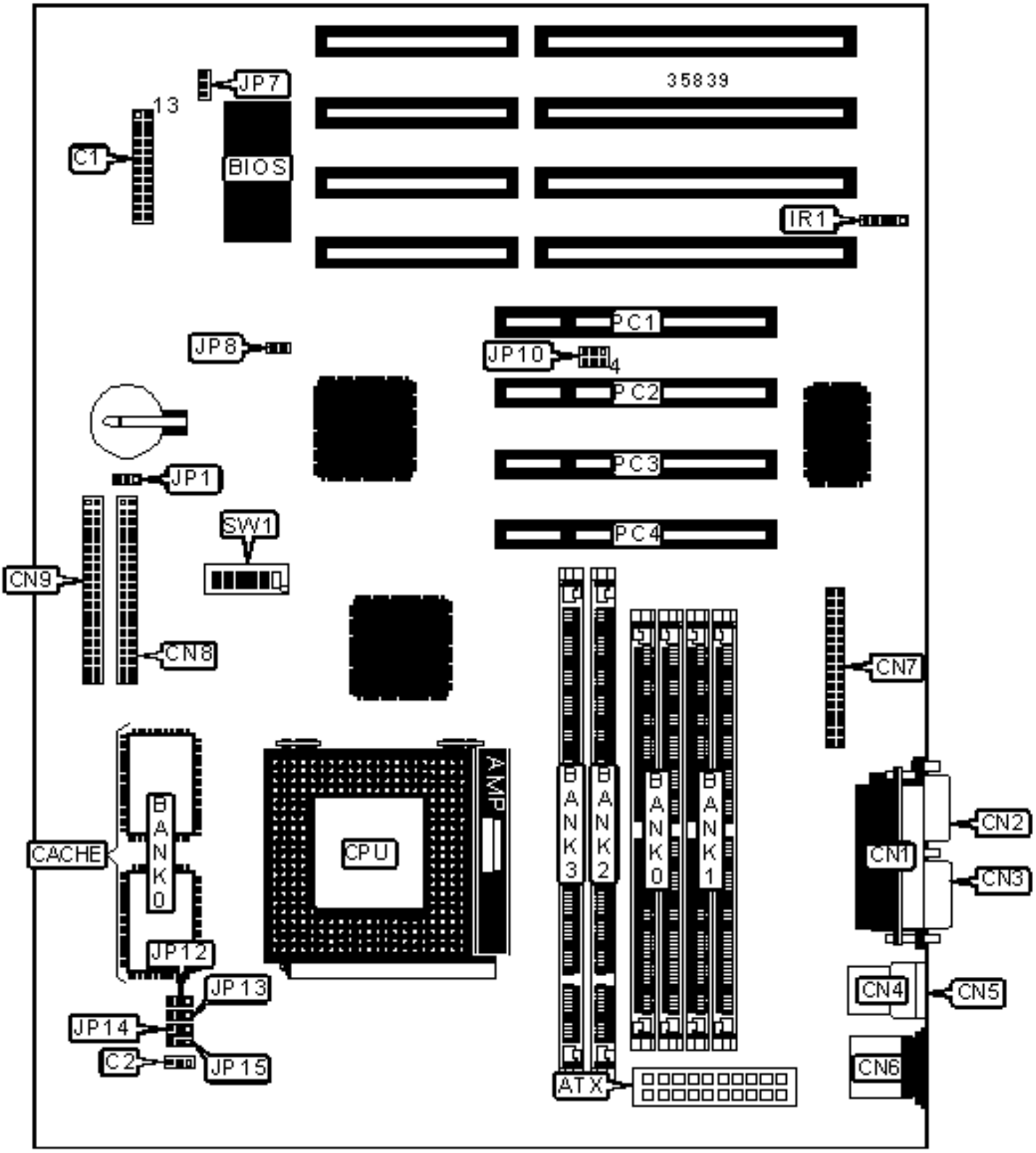
A-TREND TECHNOLOGY CORPORATION

ATC-5040

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	Serial port 2	CN2
Reset switch	C1/pins 1 & 2	Parallel port	CN3
Green PC connector	C1/pins 4 & 5	USB connector 1	CN4
Turbo LED	C1/pins 7 & 8	USB connector 2	CN5
IDE interface LED	C1/pins 10 & 11	PS/2 mouse port	CN6
Soft off power supply	C1/pins 12 & 24	Floppy drive interface	CN7
Speaker	C1/pins 13 - 16	IDE interface 2	CN8
Power LED & keylock	C1/pins 18 & 20	IDE interface 1	CN9
Chassis fan power	C2	IR connector	IR1
Serial port 1	CN1	32-bit PCI slots	PC1 - PC4

USER CONFIGURABLE SETTINGS

	Function	Label	Position
	One LED mode enabled	JP1	Pins 2 & 3 closed
	Two LED mode enabled	JP1	Pins 1 & 2 closed
»	Factory configured - do not alter	JP7	Unidentified
»	CMOS memory normal operation	JP8	Closed
	CMOS memory clear	JP8	Open
	USB ports (2 external)	JP10	Pins 1 & 2, 4& 5 closed
	USB ports (1 internak l, 1 external)	JP10	Pins 2 & 3, 5 & 6 closed
»	Factory configured - do not alter	SW1/6	Off

SIMM CONFIGURATION

Size	Bank 0	Bank 1

8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36

SIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
128MB	(2) 16M x 36	None
136MB	(2) 16M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36

Note: Board accepts EDO memory.

DIMM CONFIGURATION

Size	Bank 2	Bank 3
8MB	(1) 1M x 64	None
16MB	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None
64MB	(1) 4M x 64	(1) 4M x 64
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 16M x 64	None
128MB	(1) 8M x 64	(1) 8M x 64
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64
Note: Board accepts SDRAM memory.		

CACHE CONFIGURATION

Size	Bank 0
512KB	(2) 64K x 32

CPU SPEED SELECTION (CX 6X86L)							
CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5
150MHz	60MHz	2x	On	On	Off	On	Off
166MHz	66MHz	2x	On	On	On	On	Off
200MHz	75MHz	2x	On	Off	On	On	Off

CPU SPEED SELECTION (CX 6X86MX)							
CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5
150MHz	60MHz	2x	On	On	Off	On	Off
166MHz	66MHz	2x	On	On	On	On	Off
166MHz	60MHz	2.5x	On	On	Off	On	On
200MHz	66MHz	2.5x	On	On	On	On	On
200MHz	75MHz	2x	On	Off	On	On	Off

CPU SPEED SELECTION (AM K5)							
CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5
100MHz	66MHz	1.5x	On	On	On	Off	Off
120MHz	60MHz	1.5x	On	On	Off	Off	Off
133MHz	66MHz	1.5x	On	On	On	Off	Off
166MHz	66MHz	2.5x	On	On	On	On	On

CPU SPEED SELECTION (AM K6)							
CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5
166MHz	66MHz	2.5x	On	On	On	On	On
200MHz	66MHz	3x	On	On	On	Off	On

233MHz	66MHz	3.5x	On	On	On	Off	Off

CPU SPEED SELECTION (INTEL)							
CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5
120MHz	60MHz	2x	On	On	Off	On	Off
133MHz	66MHz	2x	On	On	On	On	Off
150MHz	60MHz	2.5x	On	On	Off	On	On
166MHz	66MHz	2.5x	On	On	On	On	On
180MHz	60MHz	3x	On	On	Off	Off	On
200MHz	66MHz	3x	On	On	On	Off	On

CPU SPEED SELECTION (INTEL MMX)							
CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5
166MHz	66MHz	2.5x	On	On	On	On	On
200MHz	66MHz	3x	On	On	On	Off	On
233MHz	66MHz	3.5x	On	On	On	Off	Off

CPU VOLTAGE SELECTION				
Voltage	JP12	JP13	JP14	JP15
2.1v	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.8v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
2.9v	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
3.2v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
3.3v	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
3.5v	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed