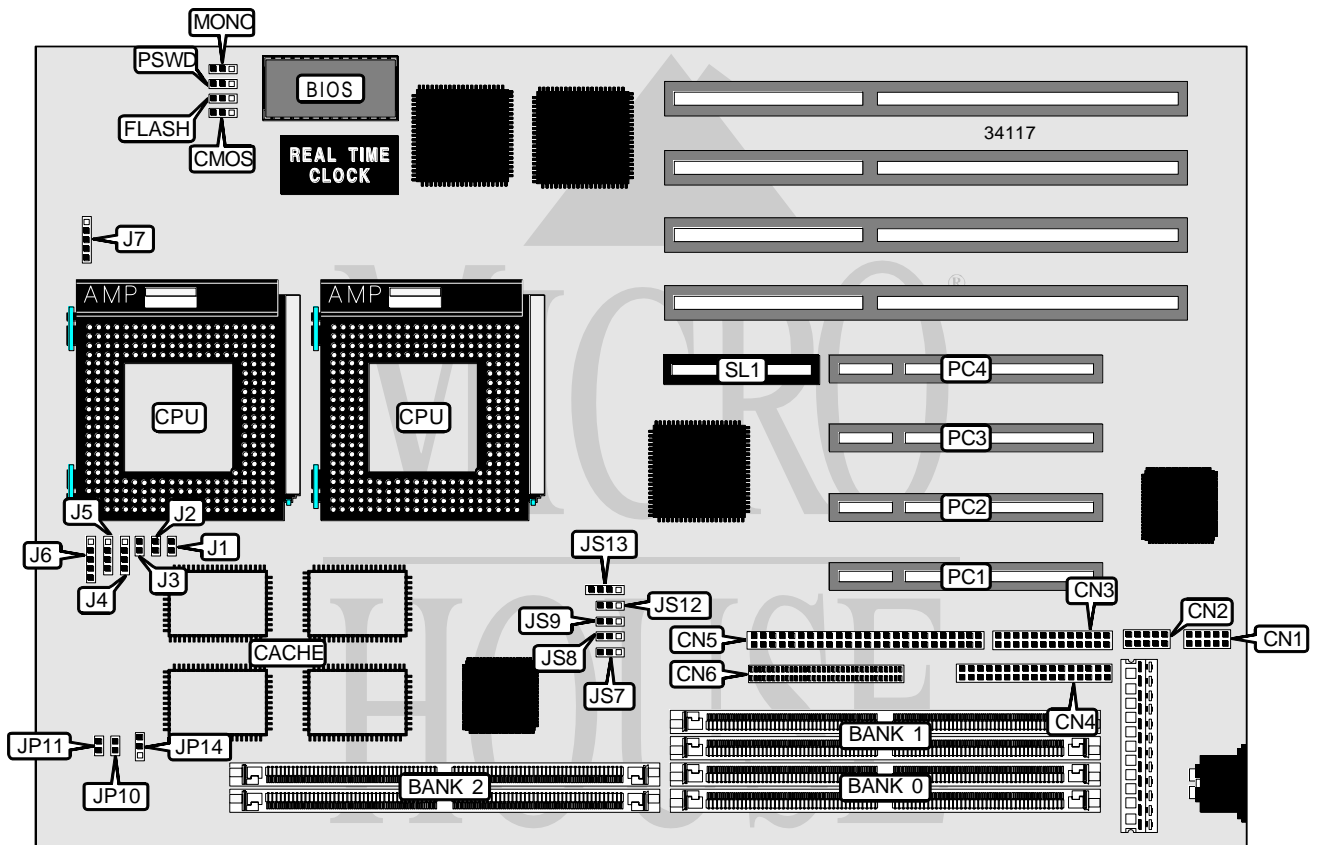


# ADVANCED INTEGRATION RESEARCH, INC.

## 54TDP

<b>Processor</b>	Pentium
<b>Processor Speed</b>	75/90/100/120/133/150/166/180/200MHz
<b>Chip Set</b>	Intel
<b>Video Chip Set</b>	None
<b>Maximum Onboard Memory</b>	768MB (EDO supported)
<b>Maximum Video Memory</b>	None
<b>Cache</b>	256/512KB
<b>BIOS</b>	AMI
<b>Dimensions</b>	330mm x 218mm
<b>I/O Options</b>	32-bit PCI slots (4), floppy drive interface, green PC connector, SCSI-2 interface, Ultra-Wide SCSI interface, parallel port, serial ports (2), IR connector, RAID slot
<b>NPU Options</b>	None



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## 54TDP

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CONNECTIONS			
Purpose	Location	Purpose	Location
Serial port 2	CN1	Green PC connector	J3
Serial port 1	CN2	IDE interface LED	J4
Parallel port	CN3	Speaker	J5
Floppy drive interface	CN4	Power LED & keylock	J6
SCSI-2 interface	CN5	IR connector	J7
Ultra Wide SCSI interface	CN6	32-bit PCI slots	PC1 – PC4
Reset switch	J1	RAID slot	SL1
Turbo LED	J2		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í SCSI high byte termination select with low byte	JS12	Pins 1 & 2 closed
SCSI high byte termination select always	JS12	Pins 2 & 3 closed
Flash BIOS voltage select 12v	FLASH	Pins 1 & 2 closed
Flash BIOS voltage select 5v	FLASH	Pins 2 & 3 closed
í CMOS memory normal operation	CMOS	Pins 2 & 3 closed
CMOS memory clear	CMOS	Pins 1 & 2 closed
í Monitor type select color	MONO	Pins 1 & 2 closed
Monitor type select monochrome	MONO	Pins 2 & 3 closed
í Password normal operation	PSWD	Pins 1 & 2 closed
Password clear	PSWD	Pins 2 & 3 closed

DRAM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
2MB	(2) 256K x 36	None	None
4MB	(2) 256K x 36	(2) 256K x 36	None
4MB	(2) 512K x 36	None	None
6MB	(2) 256K x 36	(2) 256K x 36	(2) 256K x 36
8MB	(2) 512K x 36	(2) 512K x 36	None
8MB	(2) 1M x 36	None	None
12MB	(2) 512K x 36	(2) 512K x 36	(2) 512K x 36
16MB	(2) 1M x 36	(2) 1M x 36	None
16MB	(2) 2M x 36	None	None
24MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
32MB	(2) 2M x 36	(2) 2M x 36	None
32MB	(2) 4M x 36	None	None
48MB	(2) 2M x 36	(2) 2M x 36	(2) 2M x 36
64MB	(2) 4M x 36	(2) 4M x 36	None
64MB	(2) 8M x 36	None	None
96MB	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36	None

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## 54TDP

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DRAM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
128MB	(2) 16M x 36	None	None
192MB	(2) 8M x 36	(2) 8M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36	None
256MB	(2) 32M x 36	None	None
384MB	(2) 16M x 36	(2) 16M x 36	(2) 16M x 36
512MB	(2) 32M x 36	(2) 32M x 36	None
768MB	(2) 32M x 36	(2) 32M x 36	(2) 32M x 36

Note: Board accepts EDO memory. Board also accepts x 32 SIMMs.

CACHE CONFIGURATION		
Size	Bank 0	Bank 1
256KB	(2) 32K x 32	None
512KB	(2) 32K x 32	(2) 32K x 32

Note: The location of banks 0 & 1 are unidentified.

CPU SPEED SELECTION					
CPU speed	Clock speed	Multiplier	JS8	JS9	JS13
75MHz	50MHz	1.5x	2 & 3	1 & 2	Open
90MHz	60MHz	1.5x	1 & 2	1 & 2	Open
100MHz	66MHz	1.5x	2 & 3	2 & 3	Open
120MHz	60MHz	2x	1 & 2	1 & 2	3 & 4
133MHz	66MHz	2x	2 & 3	2 & 3	3 & 4
150MHz	60MHz	2.5x	1 & 2	1 & 2	1 & 2, 3 & 4
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2, 3 & 4
180MHz	60MHz	3x	1 & 2	1 & 2	1 & 2
200MHz	66MHz	3x	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU TYPE SELECTION			
Type	JP10	JP11	JP14
P54C	Closed	Closed	Pins 1 & 2 closed
P55C	Open	Open	Pins 2 & 3 closed

CPU SELECTION	
Setting	JS7
iSingle CPU	Pins 1 & 2 closed
Dual CPUs	Pins 2 & 3 closed