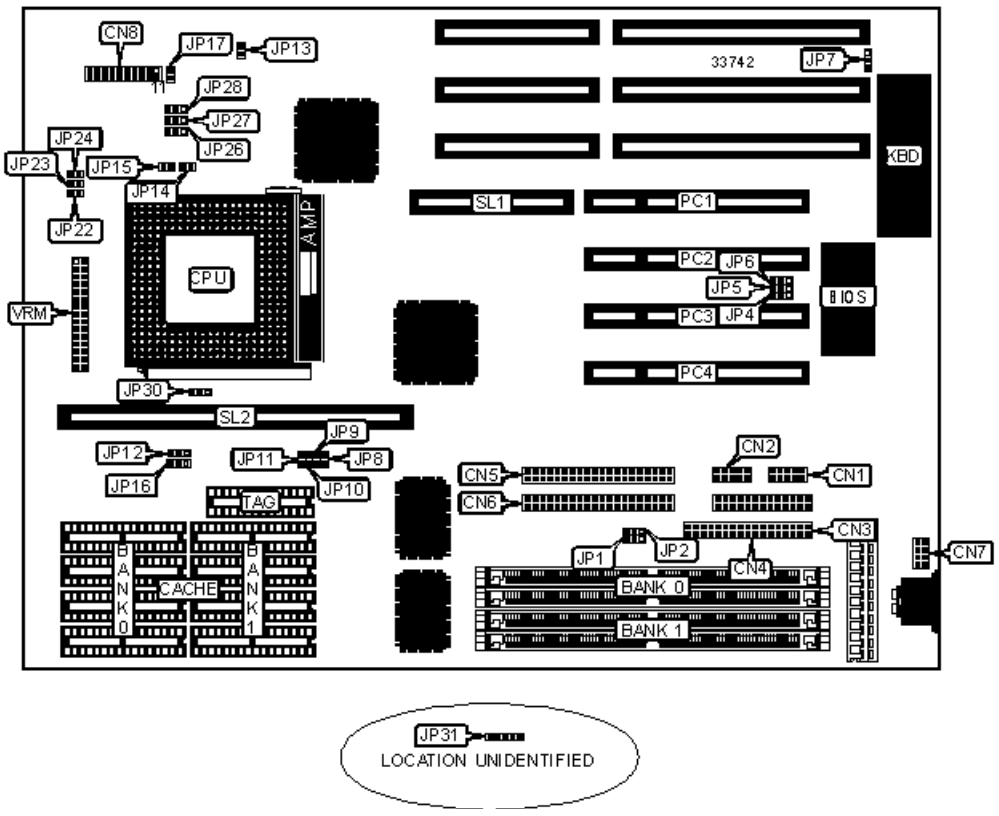
ASUS COMPUTER INTERNATIONAL

P/I-P55TP4XE (REV. 1.21)

Processor	Pentium
Processor Speed	75/90/100/120/133/150/166/180/200MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	128MB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Award
Dimensions	330mm x 218mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), cache slot, IR connector, VRM connector, MediaBus slot
NPU Options	None



CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
Serial port 1	CN1	Power LED & keylock	CN8 pins 11 - 15
Serial port 2	CN2	Speaker	CN8 pins 17 - 20

Parallel port	CN3	IDE interface LED	JP17
Floppy drive interface	CN4	Chassis fan power	JP30
IDE interface 1	CN5	IR connector	JP31
IDE interface 2	CN6	32-bit PCI slots	PC1 - PC4
PS/2 mouse interface	CN7	MediaBus slot	SL1
Turbo LED	CN8 pins 2 & 3	Cache slot	SL2
Green PC connector	CN8 pins 4 & 5	VRM connector	VRM
Reset switch	CN8 pins 9 & 10		

USER CONFIGURABLE SETTINGS			
	Function	**Label**	**Position**
»	On board multi I/O enabled	JP4	Pins 1 & 2 closed
	On board multi I/O disabled	JP4	Pins 2 & 3 closed
»	PS/2 mouse disabled	JP7	Pins 2 & 3 closed
	PS/2 mouse enabled	JP7	Pins 1 & 2 closed
»	CMOS memory normal operation	JP13	Open
	CMOS memory clear	JP13	Closed
Note: If the multi I/O chip is a UM8669F, JP4 is not used. It is enabled or disabled through the BIOS.			

DRAM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
8MB	(2) 1M x 32	None
16MB	(2) 2M x 32	None
16MB	(2) 1M x 32	(2) 1M x 32
24MB	(2) 2M x 32	(2) 1M x 32
32MB	(2) 4M x 32	None

32MB	(2) 2M x 32	(2) 2M x 32
40MB	(2) 4M x 32	(2) 1M x 32
48MB	(2) 4M x 32	(2) 2M x 32
64MB	None	(2) 8M x 32
64MB	(2) 4M x 32	(2) 4M x 32
72MB	(2) 8M x 32	(2) 1M x 32
80MB	(2) 8M x 32	(2) 2M x 32
96MB	(2) 8M x 32	(2) 4M x 32
128MB	(2) 8M x 32	(2) 8M x 32
Note: Board accepts EDO memory. Board also accepts x 36 SIMMs. Banks are interchangeable.		

CACHE CONFIGURATION				
Size	**Bank 0**	**Bank 1**	**TAG**	**SL2**
256KB (A)	(4) 32K x 8	(4) 32K x 8	(1) 8K/32K x 8	Not installed
256KB (B)	None	None	None	256KB module Installed
512KB (A)	(4) 64K x 8	(4) 64K x 8	(1) 8K/32K x 8	Not installed
512KB (B)	None	None	None	512KB module Installed

CACHE JUMPER CONFIGURATION	
Size	**JP12**
256KB (A)	Pins 2 & 3 closed
256KB (B)	Open
512KB (A)	Pins 1 & 2 closed
512KB (B)	Open

CACHE CONFIGURATION

	Type	JP16
»	Asynchronous cache enabled	Pins 1 & 2 closed
	Asynchronous cache disabled	Pins 2 & 3 closed

CACHE VOLTAGE CONFIGURATION				
Voltage	**JP8**	**JP9**	**JP10**	**JP11**
Mixed voltage	Closed	Closed	Open	Open
3.3v	Open	Open	Closed	Closed

CPU SPEED SELECTION							
CPU speed	**Clock speed**	**Multiplier**	**JP14**	**JP15**	**JP26**	**JP27**	**JP28**
75MHz	50MHz	1.5x	Open	Open	1 & 2	2 & 3	2 & 3
90MHz	60MHz	1.5x	Open	Open	2 & 3	2 & 3	1 & 2
100MHz	66MHz	1.5x	Open	Open	2 & 3	1 & 2	2 & 3
120MHz	60MHz	2x	Open	Closed	2 & 3	2 & 3	1 & 2
133MHz	66MHz	2x	Open	Closed	2 & 3	1 & 2	2 & 3
150MHz	60MHz	2.5x	Closed	Closed	2 & 3	2 & 3	1 & 2
166MHz	66MHz	2.5x	Closed	Closed	2 & 3	1 & 2	2 & 3
180MHz	60MHz	3x	Closed	Open	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	Closed	Open	2 & 3	1 & 2	2 & 3
Note: Pins designated should be in the closed position.							

CPU VOLTAGE SELECTION			
Voltage	**JP22**	**JP23**	**JP24**
3.3v (STD/VR)	Closed	Open	Open
3.4v - 3.6v (VRE)	Open	Closed	Open

CPU VOLTAGE SELECTION				
Setting	**JP18**	**JP19**	**JP20**	**JP21**
VRM not installed	Closed	Closed	Closed	Closed
VRM installed	Open	Open	Open	Open
Note: JP18 - JP21 are located on the VRM module.				

SERIAL PORT 2 SELECTION			
	Setting	**JP1**	**JP2**
»	Used as COM2	Pins 1 & 2 closed	Pins 1 & 2 closed
	Used as IR connector	Pins 2 & 3 closed	Pins 2 & 3 closed

FLASH BIOS SELECTION			
	Setting	**JP5**	**JP6**
»	Flash BIOS normal operation	Pins 1 & 2 closed	Pins 2 & 3 closed
	Flash BIOS programming enabled	Pins 2 & 3 closed	Pins 2 & 3 closed