TOTEM TECHNOLOGY CO., LTD.

TM-586 IV2

Configuration
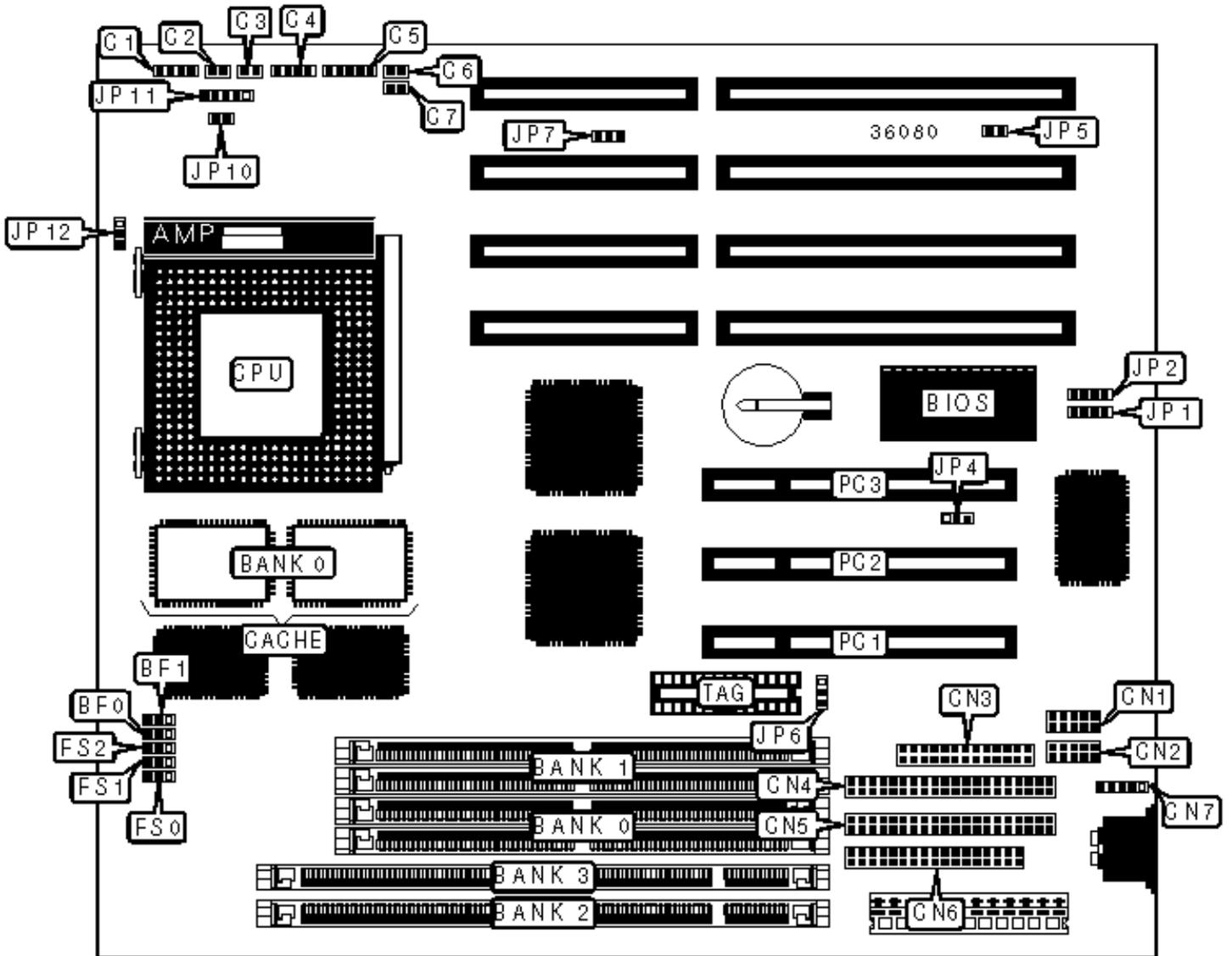
CONNECTIONS

Purpose	Location	Purpose	Location
IR connector	C1	Parallel port	CN3
IDE interface LED	C2	IDE interface 1	CN4
Reset switch	C3	IDE interface 2	CN5
Speaker	C4	Floppy drive interface	CN6
Power LED & keylock	C5	PS/2 mouse interface	CN7
Green PC connector	C6	USB connector	JP1
Turbo LED	C7	USB connector	JP2
Serial port 1	CN1	32-bit PCI slots	PC1 - PC3
Serial port 2	CN2		

USER CONFIGURABLE SETTINGS

	Function	Label	Position
	Flash BIOS voltage select 12v	JP4	Pins 2 & 3 closed
	Flash BIOS voltage select 5v	JP4	Pins 1 & 2 closed
»	CMOS memory normal operation	JP5	Open
	CMOS memory clear	JP5	Closed
»	Factory configured - do not alter	JP7	Unidentified

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
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
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

DIMM CONFIGURATION		
Size	Bank 2	Bank 3
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) 8M x 64	(1) 8M x 64
Note: Board accepts SDRAM memory.		

CACHE CONFIGURATION

Size	Bank 0	TAG
256KB	(2) 32K x 32	Unidentified
512KB	(2) 64K x 32	Unidentified

CACHE JUMPER CONFIGURATION

Size	JP6
256KB	Pins 1 & 2 closed
512KB	Pins 2 & 3 closed

CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	BF0	BF1	FS0	FS1	FS2
120MHz	50MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	2 & 3
133MHz	55MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
150MHz	60MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
166MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3
200MHz	75MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
Note: Pins designated should be in the closed position.							

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	BF0	BF1	FS0	FS1	FS2
166MHz	60MHz	2.5x	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2
200MHz	66MHz	2.5x	2 & 3	2 & 3	2 & 3	1 & 2	2 & 3
233MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM 5K86)

CPU speed	Clock speed	Multiplier	BF0	BF1	FS0	FS1	FS2
75MHz	50MHz	1.5x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
90MHz	60MHz	1.5x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	BF0	BF1	FS0	FS1	FS2
75MHz	50MHz	1.5x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
90MHz	60MHz	1.5x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
100MHz	66MHz	1.5x	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3
120MHz	60MHz	1.5x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
133MHz	66MHz	1.5x	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3
166MHz	66MHz	1.75x	2 & 3	2 & 3	2 & 3	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	BF0	BF1	FS0	FS1	FS2
166MHz	66MHz	2.5x	2 & 3	2 & 3	2 & 3	1 & 2	2 & 3

200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	BF0	BF1	FS0	FS1	FS2
75MHz	50MHz	1.5x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
90MHz	60MHz	1.5x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
100MHz	66MHz	1.5x	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3
120MHz	60MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
133MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	BF0	BF1	FS0	FS1	FS2
166MHz	66MHz	2.5x	2 & 3	2 & 3	2 & 3	1 & 2	2 & 3
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3
233MHz	66MHz	3.5x	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU TYPE SELECTION

Type	JP10
Single voltage	Closed
Dual voltage	Open

CPU VOLTAGE SELECTION (SINGLE)

Voltage	JP11	JP12

3.38v	Pins 1 & 2 closed	Pins 2 & 3 closed
3.45v	Pins 2 & 3 closed	Pins 2 & 3 closed

CPU VOLTAGE SELECTION (DUAL)		
Voltage	JP11	JP12
2.9v	Pins 4 & 5 closed	Pins 1 & 2 closed