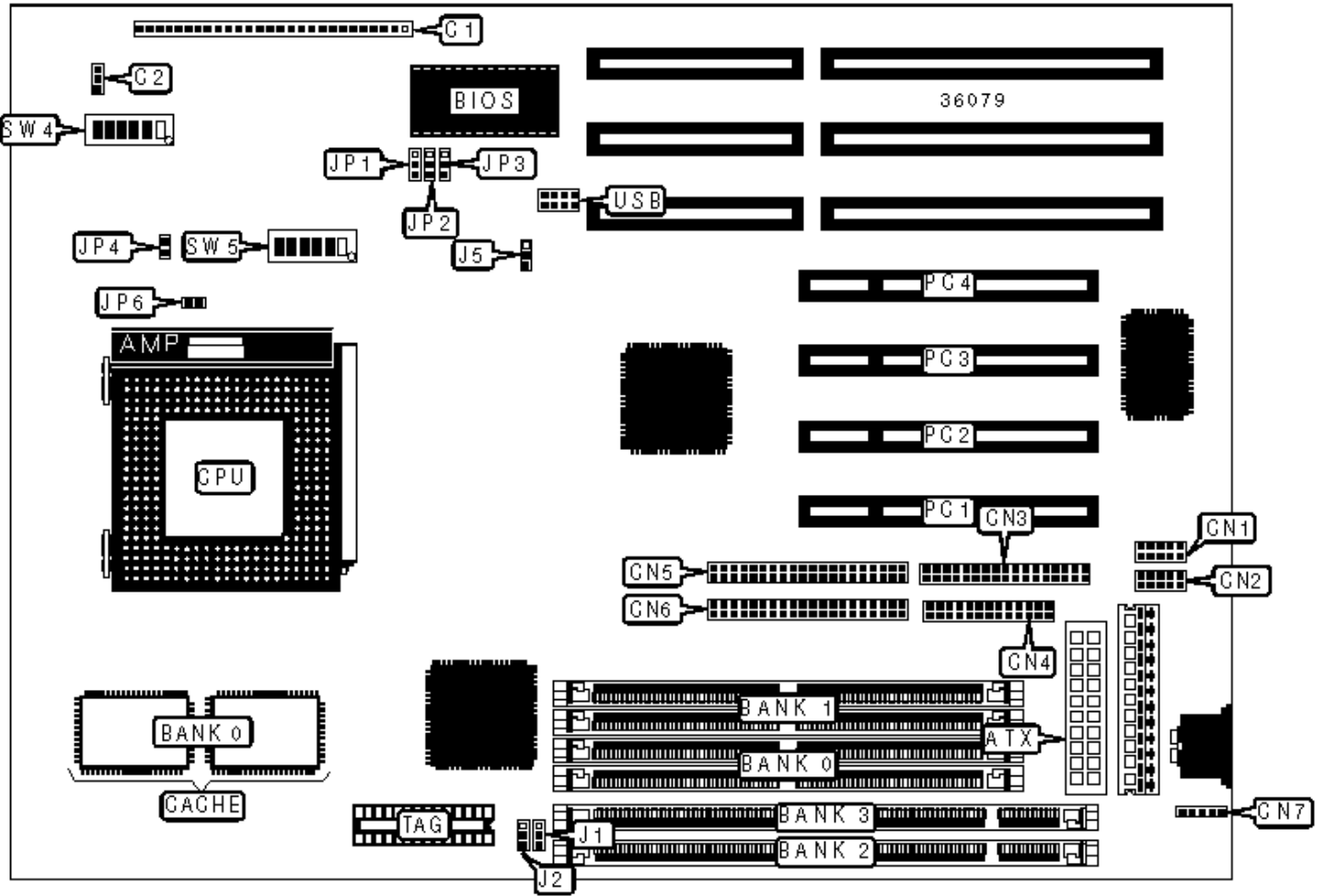


TOTEM TECHNOLOGY CO., LTD.

TM-586 TX1

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	Reset switch	C1/pins 10 & 11
Serial port 1	CN1	IDE interface LED	C1/pins 12 & 15
Serial port 2	CN2	Green PC LED	C1/pins 16 & 17
Parallel port	CN3	Green PC connector	C1/pins 18 & 19
Floppy drive interface	CN4	Soft off power supply	C1/pins 20 & 21
IDE interface 2	CN5	IR connector	C1/pins 22 - 29
IDE interface 1	CN6	Chassis fan power	C2
PS/2 mouse interface	CN7	32-bit PCI slots	PC1 - PC4
Speaker	C1/pins 1 - 4	USB connector	USB
Power LED & keylock	C1/pins 5 - 9		

USER CONFIGURABLE SETTINGS

Function	Label	Position
» CMOS memory normal operation	J5	Pins 1 & 2 closed
CMOS memory clear	J5	Pins 2 & 3 closed
» Factory configured - do not alter	JP1	Unidentified
» Factory configured - do not alter	JP2	Unidentified
» Factory configured - do not alter	JP3	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
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.		

DIMM VOLTAGE CONFIGURATION

Voltage	J1	J2
3.3v	Pins 2 & 3 closed	Pins 2 & 3 closed
5v	Pins 1 & 2 closed	Pins 1 & 2 closed

CACHE CONFIGURATION

Size	Bank 0	TAG
256KB	(1) 32K x 64	Unidentified
512KB	(1) 64K x 64	Unidentified

CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	SW5/1	SW5/2	SW5/3	SW5/4	SW5/5	SW5/6
120MHz	50MHz	2x	*	*	*	On	Off	Off
133MHz	55MHz	2x	On	On	Off	On	Off	Off
150MHz	60MHz	2x	On	Off	Off	On	Off	Off
166MHz	66MHz	2x	Off	Off	Off	On	Off	Off
200MHz	75MHz	2x	Off	On	Off	On	Off	Off

Note: * = Setting unidentified.

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	SW5/1	SW5/2	SW5/3	SW5/4	SW5/5	SW5/6
166MHz	60MHz	2.5x	On	Off	Off	On	On	Off
200MHz	66MHz	2.5x	Off	Off	Off	On	On	Off
233MHz	66MHz	3x	Off	Off	Off	Off	On	Off
266MHz	66MHz	3.5x	Off	Off	Off	Off	Off	Off

CPU SPEED SELECTION (AM 5K86)

CPU speed	Clock speed	Multiplier	SW5/1	SW5/2	SW5/3	SW5/4	SW5/5	SW5/6
75MHz	50MHz	1.5x	*	*	*	Off	Off	Off
90MHz	60MHz	1.5x	On	Off	Off	Off	Off	Off

Note: * = Setting unidentified.

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	SW5/1	SW5/2	SW5/3	SW5/4	SW5/5	SW5/6
75MHz	50MHz	1.5x	*	*	*	Off	Off	Off

90MHz	60MHz	1.5x	On	Off	Off	Off	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off	Off	Off
120MHz	60MHz	1.5x	On	Off	Off	Off	Off	Off
133MHz	66MHz	1.5x	Off	Off	Off	Off	Off	Off
166MHz	66MHz	1.75x	Off	Off	Off	On	On	Off
Note: * = Setting unidentified.								

CPU SPEED SELECTION (AM K6)								
CPU speed	Clock speed	Multiplier	SW5/1	SW5/2	SW5/3	SW5/4	SW5/5	SW5/6
166MHz	66MHz	2.5x	Off	Off	Off	On	On	Off
200MHz	66MHz	3x	Off	Off	Off	Off	On	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off	Off	Off
266MHz	66MHz	4x	Off	Off	Off	On	Off	On
300MHz	66MHz	4.5x	Off	Off	Off	On	On	On

CPU SPEED SELECTION (INTEL)								
CPU speed	Clock speed	Multiplier	SW5/1	SW5/2	SW5/3	SW5/4	SW5/5	SW5/6
75MHz	50MHz	1.5x	*	*	*	Off	Off	Off
90MHz	60MHz	1.5x	On	Off	Off	Off	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off	Off	Off
120MHz	60MHz	2x	On	Off	Off	On	Off	Off
133MHz	66MHz	2x	Off	Off	Off	On	Off	Off
150MHz	60MHz	2.5x	On	Off	Off	On	On	Off

CPU SPEED SELECTION (INTEL MMX)								
CPU speed	Clock speed	Multiplier	SW5/1	SW5/2	SW5/3	SW5/4	SW5/5	SW5/6

166MHz	66MHz	2.5x	Off	Off	Off	On	On	Off
200MHz	66MHz	3x	Off	Off	Off	Off	On	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off	Off	Off
266MHz	66MHz	4x	Off	Off	Off	On	Off	On

CPU VOLTAGE SELECTION (SINGLE)

Voltage	JP4	JP6	SW4/1	SW4/2
3.45v	Open	Closed	Off	On
3.52v	Open	Closed	On	On

CPU VOLTAGE SELECTION (SINGLE, CON'T)

Voltage	SW1/3	SW1/4	SW1/5	SW1/6
3.45v	On	On	Off	On
3.52v	On	On	Off	On

CPU VOLTAGE SELECTION (DUAL)

Voltage	JP4	JP6	SW4/1	SW4/2
2.2v	Closed	Open	Off	On
2.8v	Closed	Open	Off	Off
2.9v	Closed	Open	On	Off
3.2v	Closed	Open	Off	Off
3.3v	Closed	Open	Off	Off
3.45v	Closed	Open	Off	On

CPU VOLTAGE SELECTION (DUAL, CON'T)

Voltage	SW4/3	SW4/4	SW4/5	SW4/6
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2.2v	Off	Off	Off	On
2.8v	Off	On	Off	On
2.9v	Off	On	Off	On
3.2v	On	On	Off	On
3.3v	Off	On	Off	On
3.45v	Off	Off	On	Off