TOTEM TECHNOLOGY CO., LTD.

TM-586 AL100

Configuration
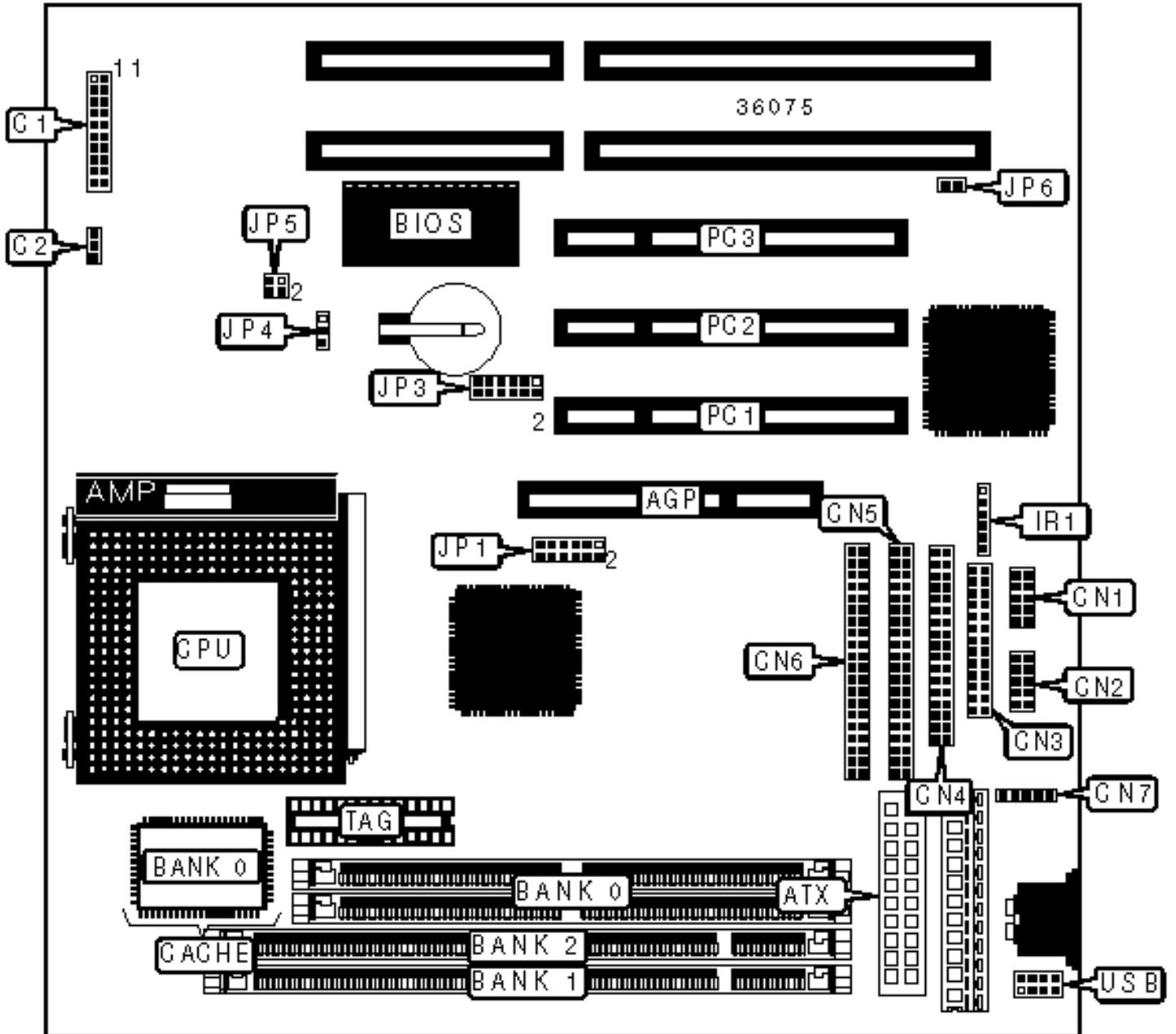
CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Serial port 1	CN2
ATX power connector	ATX	Parallel port	CN3
Speaker	C1/pins 1 - 4	Floppy drive interface	CN4
Power LED & keylock	C1/pins 6 - 10	IDE interface 2	CN5
IDE interface LED	C1/pins 11 & 12	IDE interface 1	CN6
Green PC LED	C1/pins 14 & 15	PS/2 mouse interface	CN7
Soft off power supply	C1/pins 16 & 17	IR connector	IR1
Reset switch	C1/pins 19 & 20	32-bit PCI slots	PC1 - PC3
Chassis fan power	C2	USB connector	USB
Serial port 2	CN1		

USER CONFIGURABLE SETTINGS

	Function	Label	Position
»	Factory configured - do not alter	JP4	Unidentified
»	PCI CLK select 33MHz	JP6	Open
	PCI CLK select 37MHz	JP6	Closed

SIMM CONFIGURATION

Size	Bank 0
8MB	(2) 1M x 36
16MB	(2) 2M x 36
32MB	(2) 4M x 36
64MB	(2) 8M x 36
128MB	(2) 16M x 36

256MB	(2) 32M x 36
Note: Board accepts EDO memory.	

DIMM CONFIGURATION

Size	Bank 1	Bank 2
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

DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1
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
256MB	(1) 32M x 64	None
264MB	(1) 32M x 64	(1) 1M x 64
272MB	(1) 32M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64
Note: Board accepts SDRAM memory.		

CACHE CONFIGURATION

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

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	JP1/ pins 1 & 2	JP2/ pins 3 & 4	JP4/ pins 5 & 6	JP6/ pins 7 & 8	JP8/ pins 9 & 10	JP10/ pins 11 & 12
150MHz	60MHz	2x	Closed	Closed	Closed	Closed	Open	Open
166MHz	66MHz	2x	Open	Closed	Closed	Closed	Open	Open
200MHz	75MHz	2x	Closed	Closed	Open	Closed	Open	Open

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	JP1/ pins 1 & 2	JP2/ pins 3 & 4	JP4/ pins 5 & 6	JP6/ pins 7 & 8	JP8/ pins 9 & 10	JP10/ pins 11 & 12
166MHz	60MHz	2.5x	Closed	Closed	Closed	Closed	Closed	Open
200MHz	66MHz	3x	Open	Closed	Closed	Closed	Closed	Open
233MHz	66MHz	3.5x	Open	Closed	Closed	Open	Closed	Open

266MHz	66MHz	3x	Open	Closed	Closed	Open	Open	Open

CPU SPEED SELECTION (CX MII)

CPU speed	Clock speed	Multiplier	JP1/ pins 1 & 2	JP2/ pins 3 & 4	JP4/ pins 5 & 6	JP6/ pins 7 & 8	JP8/ pins 9 & 10	JP10/ pins 11 & 12
300MHz	75MHz	3x	Closed	Closed	Open	Open	Closed	Open
300MHz	66MHz	3.5x	Open	Closed	Closed	Open	Closed	Open
333MHz	100MHz	2.5x	Open	Open	Open	Open	Open	Open
350MHz	100MHz	3x	Open	Open	Open	Open	Closed	Open

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	JP1/ pins 1 & 2	JP2/ pins 3 & 4	JP4/ pins 5 & 6	JP6/ pins 7 & 8	JP8/ pins 9 & 10	JP10/ pins 11 & 12
166MHz	66MHz	2.5x	Open	Closed	Closed	Closed	Closed	Open
200MHz	66MHz	3x	Open	Closed	Closed	Open	Closed	Open
233MHz	66MHz	3.5x	Open	Closed	Closed	Open	Open	Open
266MHz	66MHz	4x	Open	Closed	Closed	Closed	Open	Closed
300MHz	66MHz	4.5x	Open	Closed	Closed	Closed	Closed	Closed

CPU SPEED SELECTION (AM K6-2)

CPU speed	Clock speed	Multiplier	JP1/ pins 1 & 2	JP2/ pins 3 & 4	JP4/ pins 5 & 6	JP6/ pins 7 & 8	JP8/ pins 9 & 10	JP10/ pins 11 & 12
300MHz	100MHz	3x	Open	Open	Open	Open	Closed	Open
333MHz	95MHz	3.5x	Closed	Open	Open	Open	Open	Open
350MHz	100MHz	3.5x	Open	Open	Open	Open	Open	Open
366MHz	66MHz	5.5x	Open	Closed	Closed	Open	Open	Closed
380MHz	95MHz	4x	Closed	Open	Open	Closed	Open	Closed
400MHz	100MHz	4x	Open	Open	Open	Closed	Open	Closed

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	JP1/ pins 1 & 2	JP2/ pins 3 & 4	JP4/ pins 5 & 6	JP6/ pins 7 & 8	JP8/ pins 9 & 10	JP10/ pins 11 & 12
166MHz	66MHz	2.5x	Open	Closed	Closed	Closed	Closed	Open
200MHz	66MHz	3x	Open	Closed	Closed	Open	Closed	Open
233MHz	66MHz	3.5x	Open	Closed	Closed	Open	Open	Open
266MHz	66MHz	4x	Open	Closed	Closed	Closed	Open	Closed

CPU VOLTAGE SELECTION (SINGLE)

Voltage	JP5
3.3v	Pins 1 & 2 closed
3.5v	Pins 3 & 4 closed

CPU VOLTAGE SELECTION (DUAL)

Voltage	JP3
2.2v	Pins 1 & 2 closed
2.8v	Pins 3 & 4 closed
2.9v	Pins 5 & 6 closed
3.2v	Pins 7 & 8 closed
3.3v	Pins 9 & 10 closed
3.5v	Pins 11 & 12 closed