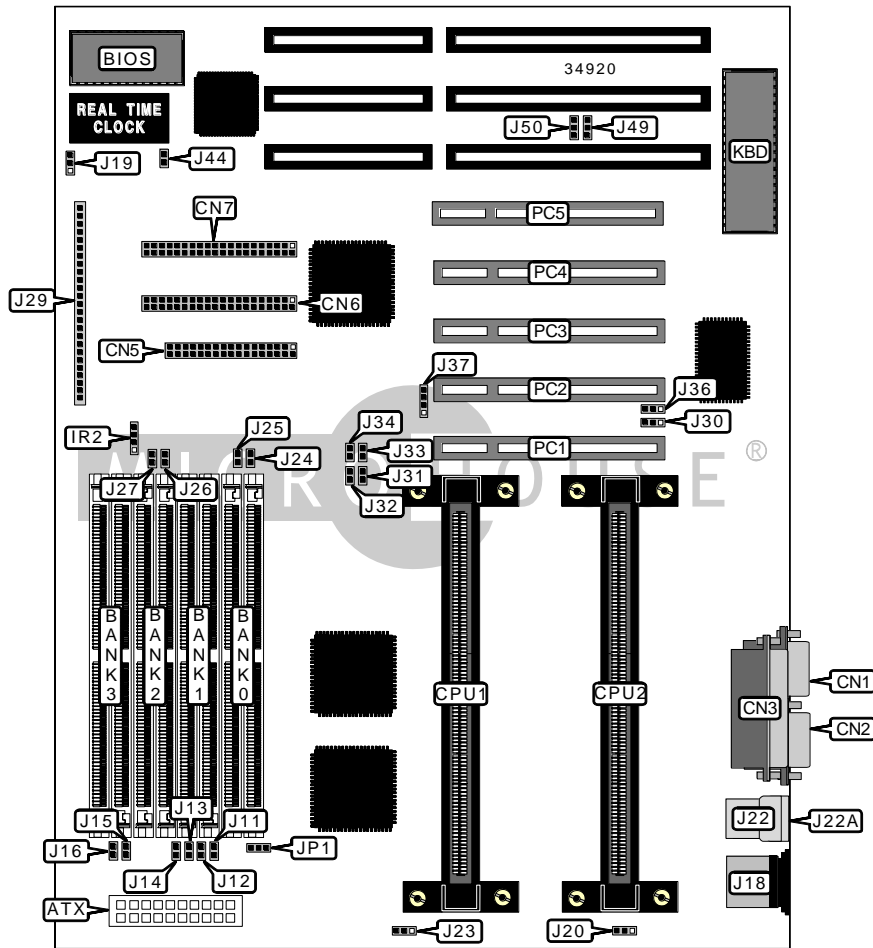


TYAN COMPUTER CORPORATION

S1686D

Device Type	Mainboard
Processor	Pentium Pro/Pentium II
Processor Speed	150/166/180/200/233/266/300MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	1GB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB (located on Pentium Pro/Pentium II CPU)
BIOS	AMI, Award
Dimensions	305mm x 244mm
I/O Options	32-bit PCI slots (5), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connectors (2), USB connectors (2), ATX power connector
NPU Options	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
ATX power connector	ATX	USB connector 2	J22A
Serial port 2	CN1	CPU 2 fan power	J23
Serial port 1	CN2	Soft off power supply	J29/pins 1 & 2
Parallel port	CN3	Green PC connector	J29/pins 3 & 4
Floppy drive interface	CN5	IR connector	J29/pins 8 - 10
IDE interface 1	CN6	IDE interface LED	J29/pins 15 & 16
IDE interface 2	CN7	Power LED	J29/pins 18 - 20
IR connector	IR2	Reset switch	J29/pins 22 & 23
PS/2 mouse port	J18	Speaker	J29/pins 24 - 27
Chassis fan power	J19	Wake on LAN connector	JP1
CPU 1 fan power	J20	32-bit PCI slots	PC1 – PC5
USB connector 1	J22		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
i CMOS memory normal operation	J44	Open
CMOS memory clear	J44	Closed

SIMM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
8MB	(2) 1M x 36	None	None	None
16MB	(2) 2M x 36	None	None	None
16MB	(2) 1M x 36	(2) 1M x 36	None	None
24MB	(2) 2M x 36	(2) 1M x 36	None	None
24MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36	None
32MB	(2) 4M x 36	None	None	None
32MB	(2) 2M x 36	(2) 2M x 36	None	None
32MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
40MB	(2) 4M x 36	(2) 1M x 36	None	None
48MB	(2) 4M x 36	(2) 2M x 36	None	None
48MB	(2) 2M x 36	(2) 2M x 36	(2) 2M x 36	None
64MB	(2) 2M x 36	(2) 2M x 36	(2) 2M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None	None	None
64MB	(2) 4M x 36	(2) 4M x 36	None	None

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SIMM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
72MB	(2) 8M x 36	(2) 1M x 36	None	None
80MB	(2) 8M x 36	(2) 2M x 36	None	None
96MB	(2) 8M x 36	(2) 4M x 36	None	None
96MB	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36	None
128MB	(2) 16M x 36	None	None	None
128MB	(2) 8M x 36	(2) 8M x 36	None	None
128MB	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36
136MB	(2) 16M x 36	(2) 1M x 36	None	None
144MB	(2) 16M x 36	(2) 2M x 36	None	None
152MB	(2) 16M x 36	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
160MB	(2) 16M x 36	(2) 4M x 36	None	None
176MB	(2) 16M x 36	(2) 2M x 36	(2) 2M x 36	(2) 2M x 36
192MB	(2) 16M x 36	(2) 8M x 36	None	None
192MB	(2) 8M x 36	(2) 8M x 36	(2) 8M x 36	None
224MB	(2) 16M x 36	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36
256MB	(2) 32M x 36	None	None	None
256MB	(2) 16M x 36	(2) 16M x 36	None	None
256MB	(2) 8M x 36	(2) 8M x 36	(2) 8M x 36	(2) 8M x 36
272MB	(2) 16M x 36	(2) 16M x 36	(2) 1M x 36	(2) 1M x 36
280MB	(2) 32M x 36	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
288MB	(2) 16M x 36	(2) 16M x 36	(2) 2M x 36	(2) 2M x 36
304MB	(2) 32M x 36	(2) 2M x 36	(2) 2M x 36	(2) 2M x 36
320MB	(2) 16M x 36	(2) 16M x 36	(2) 4M x 36	(2) 4M x 36
320MB	(2) 16M x 36	(2) 8M x 36	(2) 8M x 36	(2) 8M x 36
352MB	(2) 32M x 36	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36
384MB	(2) 16M x 36	(2) 16M x 36	(2) 16M x 36	None
448MB	(2) 32M x 36	(2) 8M x 36	(2) 8M x 36	(2) 8M x 36
512MB	(2) 32M x 36	(2) 32M x 36	None	None
512MB	(2) 16M x 36	(2) 16M x 36	(2) 16M x 36	(2) 16M x 36
640MB	(2) 32M x 36	(2) 16M x 36	(2) 16M x 36	(2) 16M x 36
768MB	(2) 32M x 36	(2) 32M x 36	(2) 32M x 36	None
1024MB	(2) 32M x 36	(2) 32M x 36	(2) 32M x 36	(2) 32M x 36
Note: Board accepts EDO memory.				

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SIMM VOLTAGE CONFIGURATION				
Voltage	J13	J14	J15	J16
3.3v	Closed	Closed	Open	Open
í 5v	Open	Open	Closed	Closed

SIMM VOLTAGE CONFIGURATION (CON'T)				
Voltage	J24	J25	J26	J27
3.3v	Closed	Closed	Open	Open
í 5v	Open	Open	Closed	Closed

CACHE CONFIGURATION
Note: 256KB/512KB cache is located on the Pentium Pro/Pentium II CPU.

CPU SPEED SELECTION (PENTIUM PRO)						
CPU speed	Clock speed	Multiplier	J11	J12	J31	J32
150MHz	60MHz	2.5x	Open	Closed	Open	Closed
166MHz	66MHz	2.5x	Closed	Open	Open	Closed
180MHz	60MHz	3x	Open	Closed	Closed	Open
200MHz	66MHz	3x	Closed	Open	Closed	Open

CPU SPEED SELECTION (PENTIUM PRO, CON'T)					
CPU speed	Clock speed	Multiplier	J33	J34	J37
150MHz	60MHz	2.5x	Closed	Closed	3 & 4
166MHz	66MHz	2.5x	Closed	Closed	1 & 2
180MHz	60MHz	3x	Closed	Closed	3 & 4
200MHz	66MHz	3x	Closed	Closed	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (PENTIUM II)						
CPU speed	Clock speed	Multiplier	J11	J12	J31	J32
200MHz	66MHz	3x	Closed	Open	Closed	Open
233MHz	66MHz	3.5x	Closed	Open	Open	Open
266MHz	66MHz	4x	Closed	Open	Closed	Closed
300MHz	66MHz	4.5x	Closed	Open	Open	Closed

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CPU SPEED SELECTION (PENTIUM II, CON'T)					
CPU speed	Clock speed	Multiplier	J33	J34	J37
200MHz	66MHz	3x	Closed	Closed	1 & 2
233MHz	66MHz	3.5x	Closed	Closed	1 & 2
266MHz	66MHz	4x	Open	Closed	1 & 2
300MHz	66MHz	4.5x	Open	Closed	1 & 2

Note: Pins designated should be in the closed position.

SERIAL PORT SELECTION		
Setting	J30	J36
Used as serial port	Pins 1 & 2 closed	Pins 1 & 2 closed
Used as IR connector	Pins 2 & 3 closed	Pins 2 & 3 closed

LM78 IRQ SELECTION		
IRQ	J49	J50
5	Open	Pins 1 & 2 closed
7	Open	Pins 2 & 3 closed
9	Pins 1 & 2 closed	Open
11	Pins 2 & 3 closed	Open