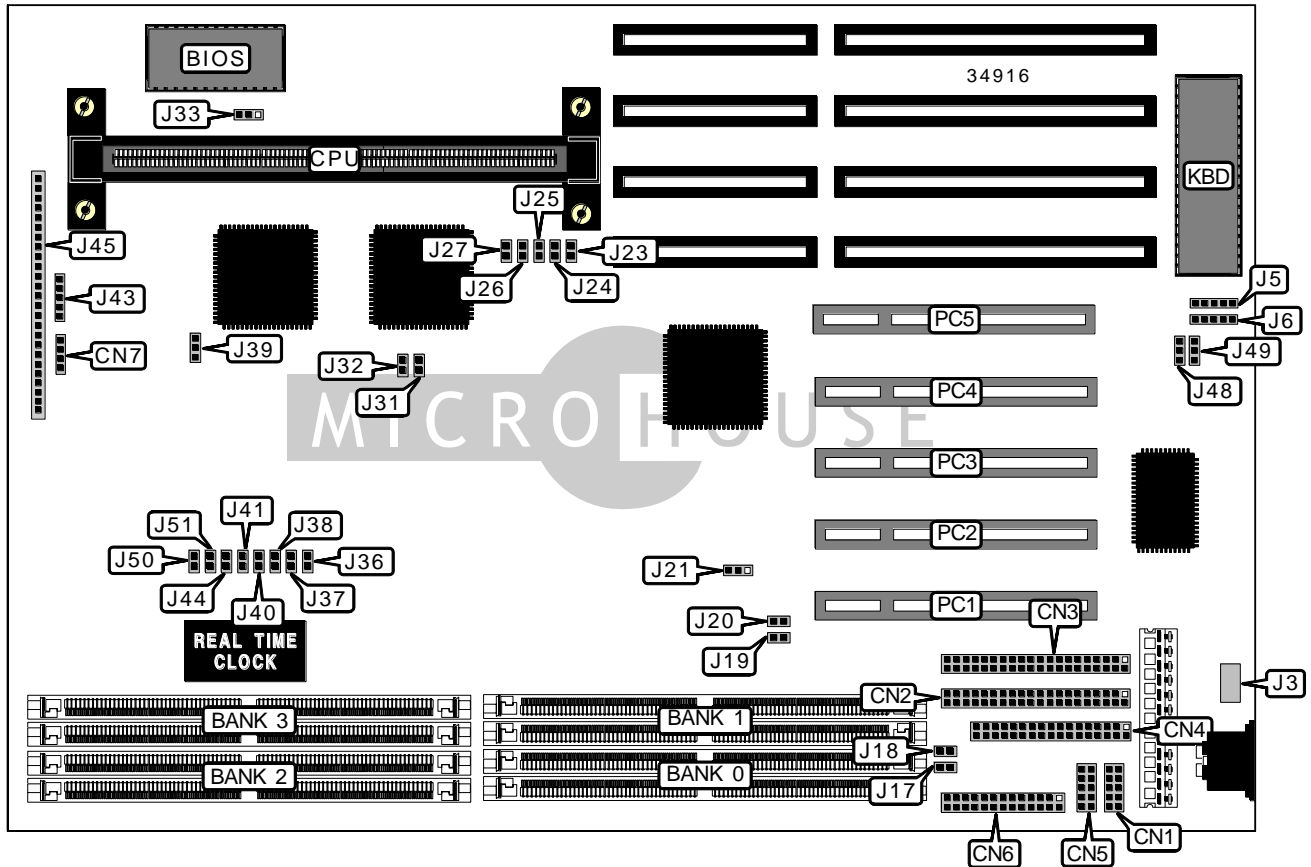


TYAN COMPUTER CORPORATION

S1680S

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	330mm x 218mm
I/O Options	32-bit PCI slots (5), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, USB connectors (2), ATX power connector
NPU Options	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
Serial port 2	CN1	USB connector 1	J6
IDE interface 1	CN2	CPU fan power	J39
IDE interface 2	CN3	Keylock	J43
Floppy drive interface	CN4	Green PC connector	J45/pins 2 & 3
Serial port 1	CN5	IDE interface LED	J45/pins 15 & 16
Parallel port	CN6	Power LED	J45/pins 18 & 20
IR connector	CN7	Reset switch	J45/pins 22 & 23
PS/2 mouse interface	J3	Speaker	J45/pins 24 – 27
USB connector 2	J5	32-bit PCI slots	PC1 – PC5

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Factory configured - do not alter	J7	Unidentified
í Factory configured - do not alter	J8	Unidentified
í Factory configured - do not alter	J23	Unidentified
í Factory configured - do not alter	J28	Unidentified
í Factory configured - do not alter	J29	Unidentified
í Factory configured - do not alter	J30	Unidentified
í Flash BIOS voltage select 5v	J33	Pins 1 & 2 closed
Flash BIOS voltage select 12v	J33	Pins 2 & 3 closed
í Factory configured - do not alter	J34	Unidentified
í CMOS memory normal operation	J36	Open
CMOS memory clear	J36	Closed
í Factory configured - do not alter	J44	Unidentified
í Factory configured - do not alter	J46	Unidentified
í Factory configured - do not alter	J48	Unidentified
í Factory configured - do not alter	J49	Unidentified
í Factory configured - do not alter	J50	Unidentified
í Factory configured - do not alter	J51	Unidentified
Note: The location of the following jumpers are unidentified: J7, J8, J28, J29, J30, J34 & J46.		

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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
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

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SIMM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
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.

SIMM VOLTAGE CONFIGURATION				
Voltage	J17	J18	J19	J20
3.3v	Open	Open	Open	Open
5v	Closed	Closed	Closed	Closed

SIMM VOLTAGE CONFIGURATION (CON'T)				
Voltage	J37	J38	J40	J41
3.3v	Closed	Closed	Closed	Closed
5v	Open	Open	Open	Open

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	J21	J24	J25	J26
150MHz	60MHz	2.5x	3 & 4	Open	Closed	Closed
166MHz	66MHz	2.5x	1 & 2	Open	Closed	Closed
180MHz	60MHz	3x	3 & 4	Closed	Open	Closed
200MHz	66MHz	3x	1 & 2	Closed	Open	Closed

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (PENTIUM PRO, CON'T)					
CPU speed	Clock speed	Multiplier	J27	J31	J32
150MHz	60MHz	2.5x	Closed	Closed	Open
166MHz	66MHz	2.5x	Closed	Open	Closed
180MHz	60MHz	3x	Closed	Closed	Open
200MHz	66MHz	3x	Closed	Open	Closed

CPU SPEED SELECTION (PENTIUM II)						
CPU speed	Clock speed	Multiplier	J21	J24	J25	J26
200MHz	66MHz	3x	1 & 2	Closed	Open	Closed
233MHz	66MHz	3.5x	1 & 2	Open	Open	Closed
266MHz	66MHz	4x	1 & 2	Closed	Closed	Open
300MHz	66MHz	4.5x	1 & 2	Open	Closed	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (PENTIUM II, CON'T)					
CPU speed	Clock speed	Multiplier	J27	J31	J32
200MHz	66MHz	3x	Closed	Open	Closed
233MHz	66MHz	3.5x	Closed	Open	Closed
266MHz	66MHz	4x	Closed	Open	Closed
300MHz	66MHz	4.5x	Closed	Open	Closed