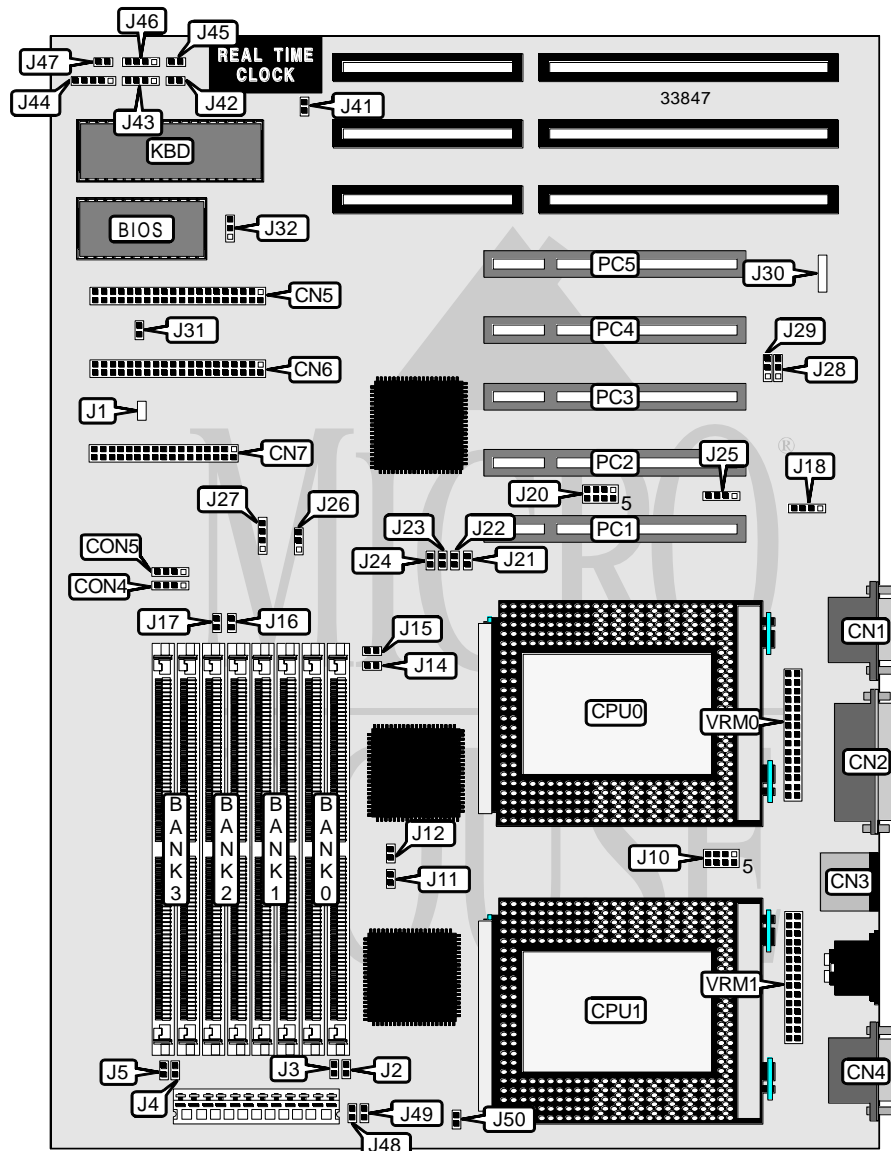


TYAN COMPUTER CORPORATION

S1668 (REV. 1.2)

Processor	Pentium Pro
Processor Speed	150/166/180/200MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	1GB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB (located on Pentium Pro CPU)
BIOS	AMI/Award
Dimensions	330mm x 218mm
I/O Options	32-bit PCI slots (5), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connectors (2), VRM connectors (2), USB connectors (2), soft on power switch
NPU Options	None



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TYAN COMPUTER CORPORATION

S1668 (REV. 1.2)

... continued from previous page

CONNECTIONS			
Purpose	Location	Purpose	Location
Serial port 1	CN1	Turbo LED	J42
Parallel port	CN2	Speaker	J43
PS/2 mouse port	CN3	Power LED & keylock	J44
Serial port 2	CN4	Reset switch	J45
IDE interface 2	CN5	IDE interface LED	J46
IDE interface 1	CN6	Turbo switch	J47
Floppy drive interface	CN7	Chassis fan power	J49
IR connector	CON4	Chassis fan power	J50
IR connector	CON5	32-bit PCI slots	PC1 - PC5
Soft on power switch	J1	VRM connector	VRM0
USB connector 1	J18	VRM connector	VRM1
USB connector 2	J25		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
SMC I/O chip type select 665IR	J26	Pins 1 & 2 closed
SMC I/O chip type select 669IR	J26	Pins 2 & 3 closed
í Factory configured - do not alter	J30	Unidentified
í Factory configured - do not alter	J31	Unidentified
í Flash BIOS voltage select 5v	J32	Pins 1 & 2 closed
Flash BIOS voltage select 12v	J32	Pins 2 & 3 closed
í CMOS memory normal operation	J41	Open
CMOS memory clear	J41	Closed
í Factory configured - do not alter	J48	Unidentified

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
8MB	(2) 1M x 32	None	None	None
16MB	(2) 2M x 32	None	None	None
16MB	(2) 1M x 32	(2) 1M x 32	None	None
32MB	(2) 2M x 32	(2) 2M x 32	None	None
32MB	(2) 1M x 32	(2) 1M x 32	(2) 1M x 32	(2) 1M x 32
32MB	(2) 4M x 32	None	None	None
64MB	(2) 4M x 32	(2) 4M x 32	None	None
64MB	(2) 8M x 32	None	None	None
128MB	(2) 16M x 32	None	None	None
128MB	(2) 4M x 32	(2) 4M x 32	(2) 4M x 32	(2) 4M x 32
128MB	(2) 8M x 32	(2) 8M x 32	None	None
192MB	(2) 8M x 32	(2) 8M x 32	(2) 8M x 32	None
256MB	(2) 8M x 32	(2) 8M x 32	(2) 8M x 32	(2) 8M x 32
256MB	(2) 16M x 32	(2) 16M x 32	None	None
256MB	(2) 32M x 32	None	None	None

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TYAN COMPUTER CORPORATION

S1668 (REV. 1.2)

... continued from previous page

DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
384MB	(2) 16M x 32	(2) 16M x 32	(2) 16M x 32	None
512MB	(2) 16M x 32	(2) 16M x 32	(2) 16M x 32	(2) 16M x 32
512MB	(2) 32M x 32	(2) 32M x 32	None	None
640MB	(2) 32M x 32	(2) 16M x 32	(2) 16M x 32	(2) 16M x 32
768MB	(2) 32M x 32	(2) 32M x 32	(2) 32M x 32	None
768MB	(2) 32M x 32	(2) 32M x 32	(2) 16M x 32	(2) 16M x 32
832MB	(2) 32M x 32	(2) 32M x 32	(2) 32M x 32	(2) 8M x 32
896MB	(2) 32M x 32	(2) 32M x 32	(2) 32M x 32	(2) 16M x 32
1024MB	(2) 32M x 32	(2) 32M x 32	(2) 32M x 32	(2) 32M x 32

Note: Board accepts EDO memory.

DRAM VOLTAGE SELECTION								
Voltage	J2	J3	J4	J5	J14	J15	J16	J17
3.3v	Closed	Closed	Open	Open	Closed	Closed	Open	Open
5v	Open	Open	Closed	Closed	Open	Open	Closed	Closed

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

CPU SPEED SELECTION							
CPU speed	J11	J12	J21	J22	J23	J24	J27
150MHz	Closed	Open	Open	Closed	Closed	Closed	3 & 4
166MHz	Open	Closed	Open	Closed	Closed	Closed	1 & 2
180MHz	Closed	Open	Closed	Open	Closed	Closed	3 & 4
200MHz	Open	Closed	Closed	Open	Closed	Closed	1 & 2

Note: Pins designated should be in the closed position.

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TYAN COMPUTER CORPORATION

S1668 (REV. 1.2)

... continued from previous page

CPU VOLTAGE SELECTION		
Voltage	J10	J20
í Auto select	Open	Open
2.1v	1 & 5	1 & 5
2.2v	2 & 6	2 & 6
2.3v	1 & 5, 2 & 6	1 & 5, 2 & 6
2.4v	3 & 7	3 & 7
2.5v	1 & 5, 3 & 7	1 & 5, 3 & 7
2.6v	2 & 6, 3 & 7	2 & 6, 3 & 7
2.7v	1 & 5, 2 & 6, 3 & 7	1 & 5, 2 & 6, 3 & 7
2.8v	4 & 8	4 & 8
2.9v	1 & 5, 4 & 8	1 & 5, 4 & 8
3.0v	2 & 6, 4 & 8	2 & 6, 4 & 8
3.1v	1 & 5, 2 & 6, 4 & 8	1 & 5, 2 & 6, 4 & 8
3.2v	3 & 7, 4 & 8	3 & 7, 4 & 8
3.3v	1 & 5, 3 & 7, 4 & 8	1 & 5, 3 & 7, 4 & 8
3.4v	2 & 6, 3 & 7, 4 & 8	2 & 6, 3 & 7, 4 & 8
3.5v	1 & 5, 2 & 6, 3 & 7, 4 & 8	1 & 5, 2 & 6, 3 & 7, 4 & 8

Note: Pins designated should be in the closed position.

SERIAL PORT SELECTION		
Setting	J28	J29
í Used and COM 1 or 2	Pins 1 & 2 closed	Pins 1 & 2 closed
Used as IR connector	Pins 2 & 3 closed	Pins 2 & 3 closed