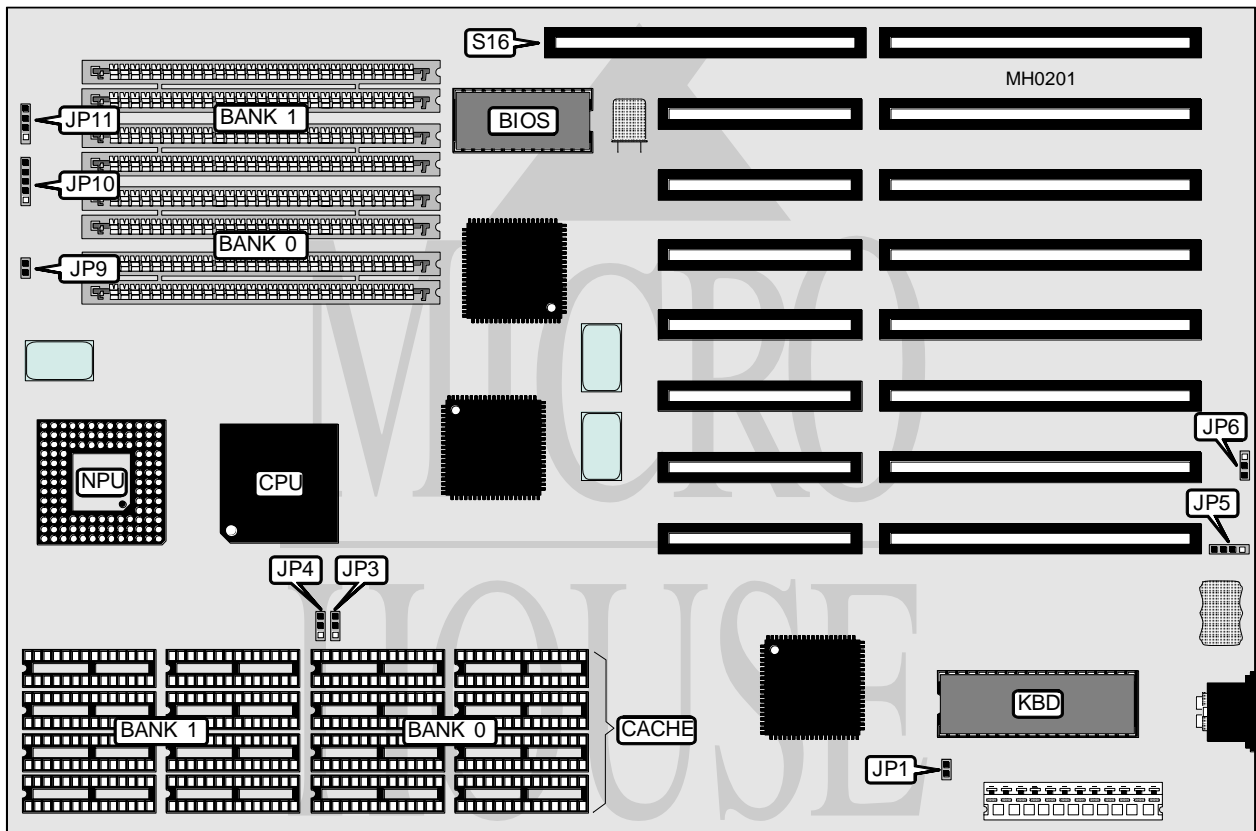


CHEERFUL INTERNATIONAL CORP. CT33DX

Processor 80386DX
Processor Speed 33MHz
Chip Set Elite
Max. Onboard DRAM 32MB
Cache 64/128KB
BIOS MR
Dimensions 330mm x 218mm
I/O Options 32-bit external memory card
NPU Options 80387/3167



CONNECTIONS			
Purpose	Location	Purpose	Location
External battery	JP5	Speaker	JP11
Reset switch	JP9	32-bit external memory card	S16
Power LED & keylock	JP10		

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CHEERFUL INTERNATIONAL CORP.

CT33DX

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USER CONFIGURABLE SETTINGS

Function	Jumper	Position
í Monitor type select color	JP1	pins 1 & 2 closed
Monitor type select monochrome	JP1	pins 2 & 3 closed
í CMOS memory normal operation	JP6	pins 2 & 3 closed
CMOS memory clear	JP6	pins 1 & 2 closed

DRAM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(4) 256K x 9	NONE	NONE	NONE
2MB	(4) 256K x 9	(4) 256K x 9	NONE	NONE
3MB	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9	NONE
4MB	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9
5MB	(4) 256K x 9	(4) 1 M x 9	NONE	NONE
6MB	(4) 256K x 9	(4) 256K x 9	(4) 1M x 9	NONE
7MB	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9	(4) 1M x 9
8MB	(4) 1M x 9	(4) 1M x 9	NONE	NONE
9MB	(4) 1M x 9	(4) 1M x 9	(4) 256K x 9	NONE
10MB	(4) 256K x 9	(4) 256K x 9	(4) 1M x 9	(4) 1M x 9
12MB	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9	NONE
13MB	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9	(4) 256K x 9
16MB	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9
20MB	(4) 1M x 9	(4) 4M x 9	NONE	NONE
24MB	(4) 1M x 9	(4) 1M x 9	(4) 4M x 9	NONE
28MB	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9	(4) 4M x 9
32MB	(4) 4M x 9	(4) 4M x 9	NONE	NONE
36MB	(4) 1M x 9	(4) 4M x 9	(4) 4M x 9	NONE
40MB	(4) 1M x 9	(4) 1M x 9	(4) 4M x 9	(4) 4M x 9
48MB	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9	NONE
49MB	(4) 256K x 9	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9
52MB	(4) 1M x 9	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9
64MB	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9

Note: Banks 2 and 3 are used when a 32-bit external memory card is installed at S1.

CACHE CONFIGURATION

Size	Bank 0	Bank 1
64KB	(8) 8K x 8	NONE
128KB	(8) 8K x 8	(8) 8K x 8

CACHE JUMPER CONFIGURATION

Size	JP3	JP4
64KB	pins 1 & 2 closed	pins 1 & 2 closed
128KB	pins 2 & 3 closed	pins 2 & 3 closed