GEMLIGHT COMPUTER, LTD.
GMB-486UNP (VER. 3.01)

Processor	CX486S(WB)/CX486S(WT)/CX486S2(WB)/CX486S2(WT)/80486SX/ 80487SX/CX486DX(WB)/CX486DX(WT)/CX486DX2(WB)/CX486DX2(WT)/80486DX /80486DX2
Processor Speed	25/33/40/50(internal)/50/66(internal)MHz
Chip Set	Unidentified
Video Chip Set	None
Maximum Onboard Memory	128MB
Maximum Video Memory	None
Cache	32/64/128/256KB
BIOS	AMI
Dimensions	254mm x 218mm
I/O Options	32-bit VESA local bus slots (3)
NPU Options	None
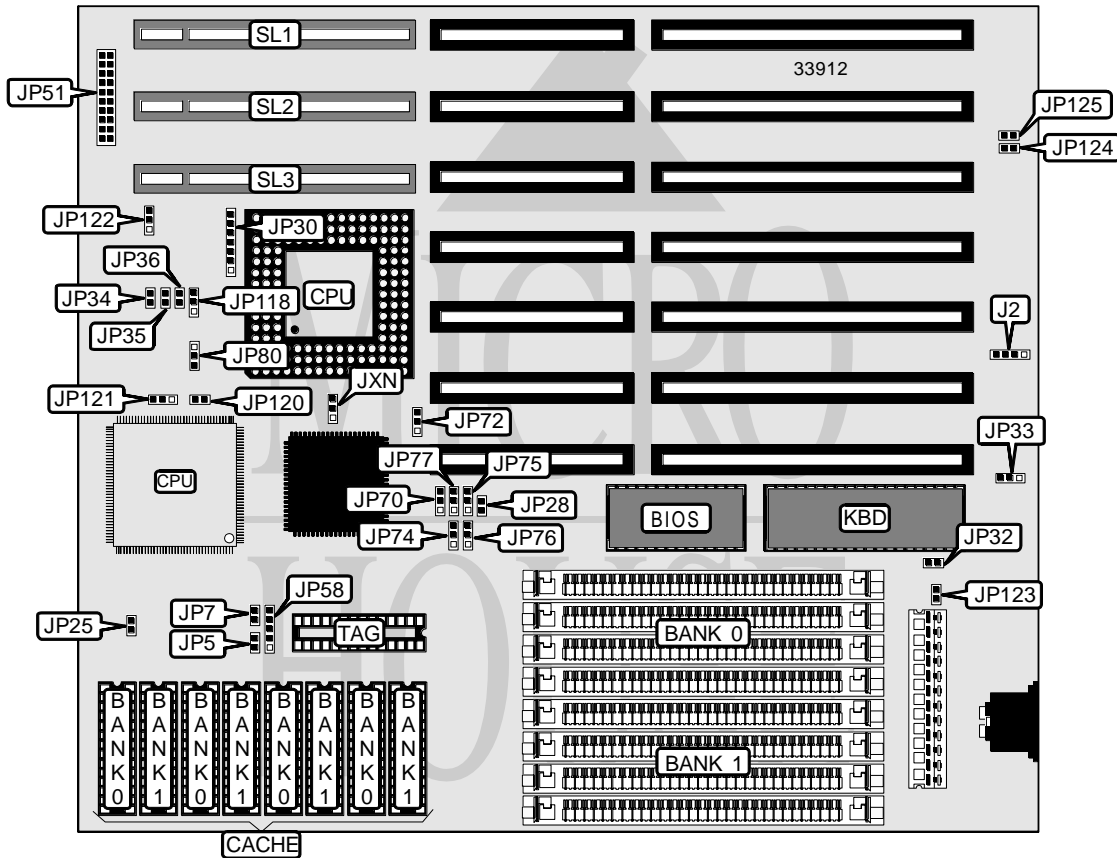
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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
External battery	J2	Turbo switch	J51 pins 15 - 17
Power LED & keylock	J51 pins 1 - 5	Reset switch	J51 pins 19 & 20
Speaker	J51 pins 7 - 10	32-bit VESA local bus slots	SL1 - SL3
Turbo LED	J51 pins 12 & 13		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í Monitor type select color	JP32	Closed
Monitor type select monochrome	JP32	Open
í CMOS memory normal operation	JP33	Pins 1 & 2 closed
CMOS memory clear	JP33	Pins 2 & 3 closed
í Factory configured - do not alter	JP74	Unidentified
í Factory configured - do not alter	JP75	Unidentified
í Factory configured - do not alter	JP76	Unidentified
í Factory configured - do not alter	JP77	Unidentified
í VL-BUS clock adjust normal operation	JP118	Pins 1 & 2 closed
VL-BUS clock adjust reserved	JP118	Pins 2 & 3 closed
í Factory configured - do not alter	JP121	Unidentified
í Factory configured - do not alter	JP122	Pins 1 & 2 closed
í Factory configured - do not alter	JP123	Open
í Factory configured - do not alter	JP124	Open
í Factory configured - do not alter	JP125	Open
í Factory configured - do not alter	JXN	Pins 1 & 2 closed

DRAM CONFIGURATION		
Size	Bank 0	Bank 1
1MB	(4) 256K x 9	None
2MB	(4) 256K x 9	(4) 256K x 9
4MB	(4) 1M x 9	None
5MB	(4) 256K x 9	(4) 1M x 9
8MB	(4) 1M x 9	(4) 1M x 9
16MB	(4) 4M x 9	None
20MB	(4) 4M x 9	(4) 1M x 9
32MB	(4) 4M x 9	(4) 4M x 9
64MB	(4) 16M x 9	None
80MB	(4) 16M x 9	(4) 4M x 9
128MB	(4) 16M x 9	(4) 16M x 9

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CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
32KB	(4) 8K x 8	None	(1) 8K x 8
64KB	(4) 8K x 8	(4) 8K x 8	(1) 8K x 8
128KB	(4) 32K x 8	None	(1) 8K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8

CACHE JUMPER CONFIGURATION			
Size	JP5	JP7	JP58
32KB	Open	Open	Pins 2 & 3 closed
64KB	Closed	Open	Pins 1 & 2 closed
128KB	Closed	Closed	Pins 1 & 2, 3 & 4 closed
256KB	Closed	Closed	Pins 1 & 2, 4 & 5 closed

CPU SPEED SELECTION			
Speed	JP34	JP35	JP36
25MHz	Closed	Open	Closed
33MHz	Closed	Closed	Open
40MHz	Open	Open	Closed
50iMHz	Closed	Open	Closed
50MHz	Open	Closed	Open
66iMHz	Closed	Closed	Open

CPU TYPE SELECTION			
Type	JP25	JP28	JP30
CX486S (WB)	Closed	Open	Pins 5 & 6 closed
CX486S (WT)	Closed	Open	Pins 5 & 6 closed
CX486S2 (WB)	Closed	Open	Pins 5 & 6 closed
CX486S2 (WT)	Closed	Open	Pins 5 & 6 closed
80486SX (PQFP)	Open	Open	Open
80486SX (PGA)	Closed	Open	Pins 5 & 6 closed
80487SX	Closed	Open	Pins 1 & 2, 4 & 5, 6 & 7 closed
CX486DX (WB)	Closed	Open	Pins 2 & 3, 4 & 5, 6 & 7 closed
CX486DX (WT)	Closed	Open	Pins 2 & 3, 4 & 5, 6 & 7 closed
CX486DX2 (WB)	Closed	Open	Pins 2 & 3, 4 & 5, 6 & 7 closed
CX486DX2 (WT)	Closed	Open	Pins 2 & 3, 4 & 5, 6 & 7 closed
80486DX	Closed	Open	Pins 2 & 3, 4 & 5, 6 & 7 closed
80486DX2	Closed	Open	Pins 2 & 3, 4 & 5, 6 & 7 closed
P24T	Closed	Open	Pins 1 & 2, 4 & 5, 6 & 7 closed

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CPU TYPE SELECTION (CON'T)				
Type	**JP70**	**JP72**	**JP80**	**JP120**
CX486S (WB)	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed	Open
CX486S (WT)	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
CX486S2 (WB)	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed	Closed
CX486S2 (WT)	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Closed
80486SX (PQFP)	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Open
80486SX (PGA)	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Open
80487SX	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Open
CX486DX (WB)	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed	Open
CX486DX (WT)	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
CX486DX2 (WB)	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed	Closed
CX486DX2 (WT)	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Closed
80486DX	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Open
80486DX2	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Open
P24T	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Open