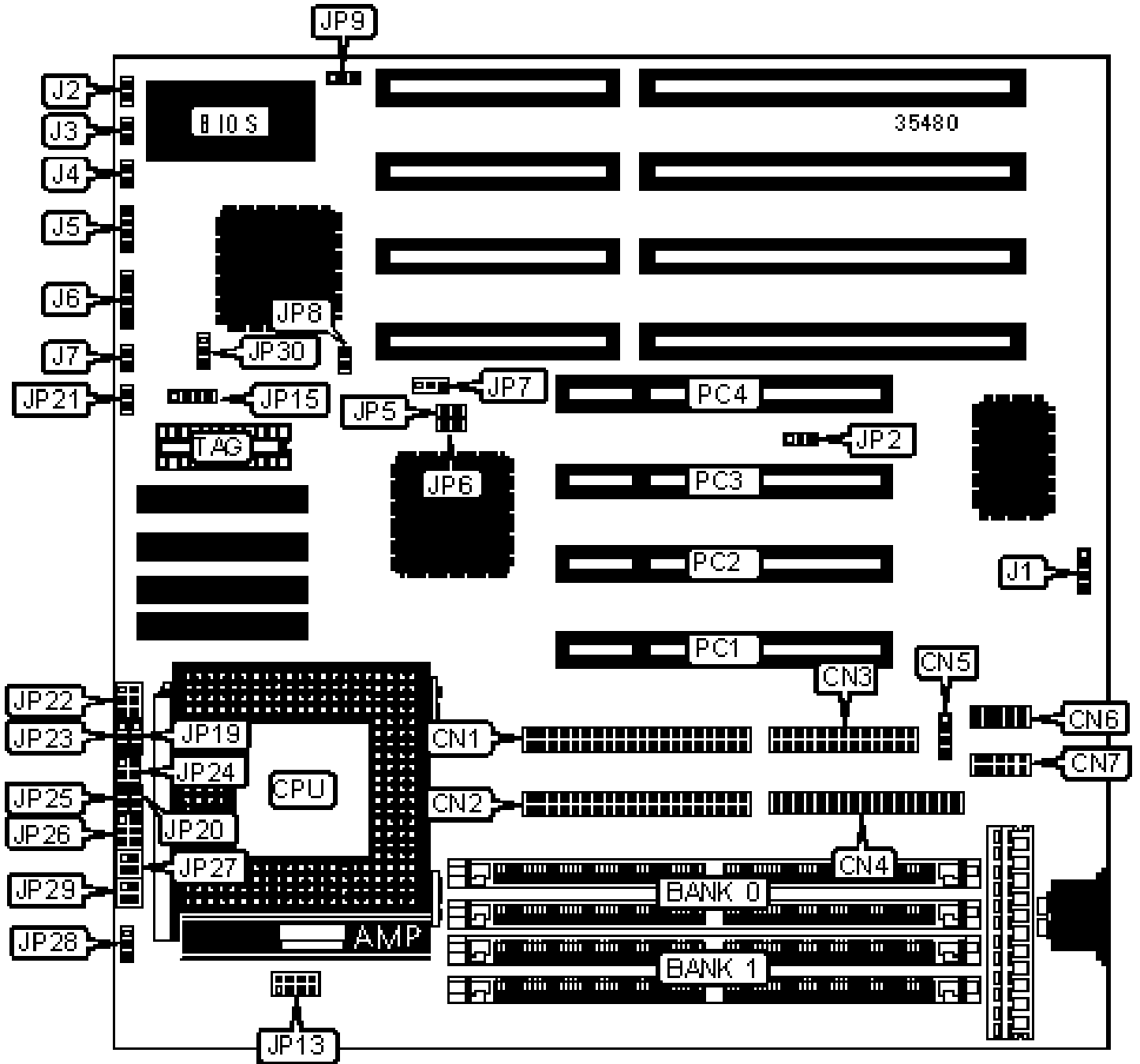


GEMLIGHT COMPUTER, LTD.

GMB-486APS (VER. 1.00)

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
IDE interface 1	CN1	Reset switch	J2
IDE interface 2	CN2	Turbo switch	J3
Parallel port	CN3	Turbo LED	J4
Floppy drive interface	CN4	Power LED & keylock	J5
IR connector	CN5	Speaker	J6
Serial port 1	CN6	IDE interface LED	J7
Serial port 2	CN7	Green PC connector	JP21
External battery	J1	32-bit PCI slots	PC1 - PC4

USER CONFIGURABLE SETTINGS

Function	Label	Position
» CMOS memory normal operation	J1	Pins 1 & 2 closed
CMOS memory clear	J1	Pins 2 & 3 closed
Flash BIOS voltage select 5V	JP9	Pins 1 & 2 closed
Flash BIOS voltage select 12V	JP9	Pins 2 & 3 closed

DRAM CONFIGURATION

Size	Bank 0	Bank 1
2MB	(2) 256K x 36	None
4MB	(2) 256K x 36	(2) 256K x 36
4MB	(2) 256K x 36	None
8MB	(2) 1MB x 36	None
10MB	(2) 1MB x 36	(2) 256K x 36
16MB	(2) 1MB x 36	(2) 1MB x 36

16MB	(2) 1MB x 36	None
16MB	(2) 2MB x 36	None
18MB	(2) 2MB x 36	(2) 256K x 36
24MB	(2) 2MB x 36	(2) 1MB x 36
32MB	(2) 2MB x 36	(2) 2MB x 36
32MB	(2) 2MB x 36	None
32MB	(2) 4MB x 36	None
34MB	(2) 4MB x 36	(2) 256K x 36
40MB	(2) 4MB x 36	(2) 1MB x 36
48MB	(2) 4MB x 36	(2) 2MB x 36
64MB	(2) 4MB x 36	(2) 4MB x 36
64MB	(2) 4MB x 36	None
64MB	(2) 8MB x 36	None
66MB	(2) 8MB x 36	(2) 256K x 36
72MB	(2) 8MB x 36	(2) 1MB x 36
80MB	(2) 8MB x 36	(2) 2MB x 36
96MB	(2) 8MB x 36	(2) 4MB x 36
128MB	(2) 8MB x 36	(2) 8MB x 36
128MB	(2) 8MB x 36	None

CACHE MEMORY CONFIGURATION

Size	Bank 0	TAG
128KB	32K x 8	8K x 8
256KB	64K x 8	16K x 8
512KB	128K x 8	32K x 8

CACHE JUMPER CONFIGURATION

Size	JP15	JP30
128KB	Open	Pins 2 & 3 closed
256KB	Pins 2 & 3 closed	Pins 1 & 2 closed
512KB	Pins 1 & 2, 3 & 4 closed	Pins 1 & 2 closed

CPU SPEED SELECTION

Speed	JP2	JP5	JP6	JP7	JP8
25MHz	1 & 2	Open	Open	1 & 2	Open
33MHz	1 & 2	Closed	Closed	1 & 2	Open
40MHz	2 & 3	Closed	Open	2 & 3	Closed

Note: Pins designated are in the closed position.

CPU TYPE SELECTION (INTEL)

Type	JP19	JP20	JP22	JP23	JP24
80486DX2/DX4 (P24C)	2 & 3	Open	Open	1 & 2	1 & 2
80486DX2 (P24D) (L1WB)	2 & 3	Open	5 & 6	2 & 3	1 & 2
80486DX/DX2	2 & 3	Open	Open	1 & 2	Open
80487SX	1 & 2	Open	Open	1 & 2	Open
80486SX/SX2	Open	Open	Open	1 & 2	1 & 2
80486SX	Open	Open	Open	1 & 2	Open
P24T	1 & 2	Open	Open	2 & 3	1 & 2

Note: Designated pins are in the closed position.

CPU TYPE SELECTION (INTEL CONT.)

Type	JP25	JP26	JP27	JP28	JP29
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80486DX2/DX4 (P24C)	Closed	3 & 4	1 & 2	2 & 3	Open
80486DX2 (P24D) (L1WB)	Closed	3 & 4	1 & 2	2 & 3	3 & 4
80486DX/DX2	Open	1 & 2	Open	2 & 3	Open
80487SX	Open	1 & 2	Open	2 & 3	Open
80486SX/SX2	Closed	3 & 4	1 & 2	1 & 2	Open
80486SX	Open	1 & 2	Open	1 & 2	Open
P24T	Closed	3 & 4	1 & 2	2 & 3	Open

Note: Designated pins are in the closed position.

CPU TYPE SELECTION (CYRIX)

Type	JP19	JP20	JP22	JP23	JP24
486DX4-GP4	2 & 3	Open	Open	1 & 2	1 & 2
DX/DX2/DX2-V/DX4-GP	2 & 3	Open	1 & 2	1 & 2	3 & 4
CX 5X86	2 & 3	Open	5 & 6	1 & 2	1 & 2

Note: Designated pins are in the closed position.

CPU TYPE SELECTION (CYRIX CONT.)

Type	JP25	JP26	JP27	JP28	JP29
486DX4-GP4	Closed	3 & 4	1 & 2	2 & 3	Open
DX/DX2/DX2-V/DX4-GP	Closed	5 & 6	3 & 4	2 & 3	1 & 2
CX 5X86	Closed	3 & 4	1 & 2	2 & 3	3 & 4

Note: Designated pins are in the closed position.

CPU TYPE SELECTION (AMD)

Type	JP19	JP20	JP22	JP23	JP24
Am486DX2/DX4	2 & 3	Open	Open	1 & 2	1 & 2

Am486DX2/DX4 (SV8B)	2 & 3	Open	5 & 6	2 & 3	1 & 2
AMD-5X86 (AMD-5X)	2 & 3	Open	5 & 6	2 & 3	1 & 2
Am486DX/DX2	2 & 3	Open	Open	1 & 2	Open

Note: Designated pins are in the closed position.

CPU TYPE SELECTION (AMD CONT.)

Type	JP25	JP26	JP27	JP28	JP29
Am486DX2/DX4	Closed	3 & 4	1 & 2	2 & 3	Open
Am486DX2/DX4 (SV8B)	Closed	3 & 4	1 & 2	2 & 3	3 & 4
AMD-5X86 (AMD-5X)	Closed	3 & 4	1 & 2	2 & 3	3 & 4
Am486DX/DX2	Open	1 & 2	Open	2 & 3	Open

Note: Designated pins are in the closed position.

CPU TYPE SELECTION (THOMSON)

Type	JP19	JP20	JP22	JP23	JP24
ST486DX4V10HS	2 & 3	Open	Open	1 & 2	1 & 2

Note: Designated pins are in the closed position.

CPU TYPE SELECTION (THOMSON CONT.)

Type	JP25	JP26	JP27	JP28	JP29
ST486DX4V10HS	Closed	3 & 4	1 & 2	2 & 3	Open

Note: Designated pins are in the closed position.

CPU TYPE SELECTION (TEXAS INSTRUMENTS)

Type	JP19	JP20	JP22	JP23	JP24
486DX2	2 & 3	Open	1 & 2	1 & 2	3 & 4

Note: Designated pins are in the closed position.

CPU TYPE SELECTION (TEXAS INSTRUMENTS CONT.)

Type	JP25	JP26	JP27	JP28	JP29
486DX2	Closed	5 & 6	3 & 4	2 & 3	1 & 2

Note: Designated pins are in the closed position.

CPU TYPE SELECTION (IBM)

Type	JP19	JP20	JP22	JP23	JP24
486-4V3100GC	2 & 3	Open	1 & 2	1 & 2	3 & 4
486-4V3100GIC	2 & 3	Open	5 & 6	1 & 2	1 & 2

Note: Designated pins are in the closed position.

CPU TYPE SELECTION (IBM CONT.)

Type	JP25	JP26	JP27	JP28	JP29
486-4V3100GC	Closed	5 & 6	3 & 4	2 & 3	1 & 2
486-4V3100GIC	Closed	3 & 4	1 & 2	2 & 3	3 & 4

Note: Designated pins are in the closed position.

CPU TYPE SELECTION (UMC)

Type	JP19	JP20	JP22	JP23	JP24
U5S	2 & 3	Open	Open	1 & 2	Open

Note: Designated pins are in the closed position.

CPU TYPE SELECTION (UMC CONT.)

Type	JP25	JP26	JP27	JP28	JP29
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U5S	Open	1 & 2	Open	2 & 3	Open
Note: Designated pins are in the closed position.					

CPU VOLTAGE SELECTION				
Voltage	JP13/pins 1 & 2	JP13/pins 3 & 4	JP13/pins 5 & 6	JP13/pins 7 & 8
3.3v	Open	Closed	Open	Open
3.45v	Open	Open	Closed	Open
3.6v	Open	Open	Open	Closed
4v	Open	Open	Open	Open
5v	Closed	Open	Open	Open