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4DMS HL3G-L4-VI Motherboard

- Award BIOS ID String 07/14/95-SIS-85C471B/E/G-2C4I 9000-00
- 4-72 pin SIMM slots (1-64meg FPM DRAM)
- 3-32bit VESA Local Bus slots
- 8-16bit ISA slots
- 64k-1024k CACHE support in 8-32pin sockets + 1 TAG RAM socket
- AWARD Auto-Detect Flash Bios with Energy Mgmt.
- Supports LBA Mode Control + Large Disk DOS Compatibility.
- external 3.6volt battery connector
- SIS-85C471B/E/G //SIS471E/G chipset
- Supports 3.3 + 5volt CPU's with clock speeds 2x/2.5x/3x.
- One 237/238 ZIF CPU socket 3 which supports these processors:
  INTEL 80486SX/SX2,80486DX/DX2/DX4,P24D, Pentium Overdrive
  CYRIX CX486S(M6),CX486DX/DX2(M7)
  AMD AM486DX,AM486DXL,AM486DX2,AM486DX2L,Enhanced AMD DX4
- Supports speeds of 20/25/33/40/50/66/75/80/100 MHz
- Manufactured by: EFA CORPORATION

CONNECTIONS

Purpose	Location	Purpose	Location
External battery	JP1	Speaker	JP40
Turbo switch	JP37	Turbo LED	JP41
Reset switch	JP38	32-bit VESA slots	SL1 - SL3
Power LED + keylock	JP39		

USER CONFIGURABLE SETTINGS

Function	Jumper	Position
*Monitor type select color	JP2	2 + 3 closed
Monitor type select monochrome/VGA	JP2	Open
*CMOS memory normal operation	JP3	1 + 2 closed
CMOS memory clear	JP3	2 + 3 closed
*Factory configured - do not alter	JP8	1 + 2 closed
*Factory configured - do not alter	JP20	2 + 3 closed
*Factory configured - do not alter	JP28	1 + 2 closed
*BIOS voltage select 5V	JP29	1 + 2 closed
BIOS voltage select 12V	JP29	2 + 3 closed

DRAM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(1) 256K x 36	NONE	NONE	NONE
2MB	(1) 256K x 36	(1) 256K x 36	NONE	NONE
2MB	(1) 512K x 36	NONE	NONE	NONE
4MB	(1) 256K x 36	(1) 256K x 36	(1) 512K x 36	NONE
4MB	(1) 512K x 36	(1) 512K x 36	NONE	NONE
4MB	(1) 1M x 36	NONE	NONE	NONE
5MB	(1) 256K x 36	(1) 1M x 36	NONE	NONE
6MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	NONE
6MB	(1) 512K x 36	(1) 1M x 36	NONE	NONE
8MB	(1) 256K x 36	(1) 256K x 36	(1) 512K x 36	(1) 1M x 36
8MB	(1) 512K x 36	(1) 512K x 36	(1) 1M x 36	NONE
8MB	(1) 1M x 36	(1) 1M x 36	NONE	NONE
8MB	(1) 2M x 36	NONE	NONE	NONE
10MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36
12MB	(1) 512K x 36	(1) 512K x 36	(1) 1M x 36	(1) 1M x 36

12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	NONE
12MB	(1) 1M x 36	(1) 2M x 36	NONE	NONE
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 1M x 36	(1) 1M x 36	(1) 2M x 36	NONE
17MB	(1) 256K x 36	(1) 4M x 36	NONE	NONE
18MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36	NONE
18MB	(1) 512K x 36	(1) 4M x 36	NONE	NONE
20MB	(1) 512K x 36	(1) 512K x 36	(1) 4M x 36	NONE
20MB	(1) 1M x 36	(1) 4M x 36	NONE	NONE
24MB	(1) 512K x 36	(1) 512K x 36	(1) 1M x 36	(1) 4M x 36
24MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	NONE
24MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	NONE
32MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
32MB	(1) 4M x 36	(1) 4M x 36	NONE	NONE
32MB	(1) 8M x 36	NONE	NONE	NONE

DRAM CONFIGURATION (CON'T)

36MB	(1) 512K x 36	(1) 512K x 36	(1) 4M x 36	(1) 4M x 36
36MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	NONE
36MB	(1) 1M x 36	(1) 8M x 36	NONE	NONE
40MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
40MB	(1) 2M x 36	(1) 8M x 36	NONE	NONE
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	NONE
48MB	(1) 4M x 36	(1) 8M x 36	NONE	NONE
64MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
64MB	(1) 4M x 36	(1) 4M x 36	(1) 8M x 36	NONE
65MB	(1) 256K x 36	(1) 16M x 36	NONE	NONE
68MB	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36	NONE
68MB	(1) 1M x 36	(1) 16M x 36	NONE	NONE
72MB	(1) 1M x 36	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36
72MB	(1) 1M x 36	(1) 1M x 36	(1) 16M x 36	NONE
80MB	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36	NONE
80MB	(1) 4M x 36	(1) 16M x 36	NONE	NONE
96MB	(1) 4M x 36	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36
96MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	NONE
96MB	(1) 4M x 36	(1) 4M x 36	(1) 16M x 36	NONE
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
128MB	(1) 16M x 36	(1) 16M x 36	NONE	NONE

CACHE CONFIGURATION

Size	Bank 0	Bank 1	TAG
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
512KB	(4) 128K x 8	NONE	(1) 32K x 8
1MB	(4) 128K x 8	(4) 128K x 8	(1) 128K x 8

CPU TYPE CONFIGURATION

Type	JP4	JP5	JP6	JP7	JP9	JP10	JP11
CX486M6	1+2	Open	Open	2+3	1+2	1+2	2+3
CX486S	1+2	Open	Open	2+3	1+2	1+2	2+3
SL80486SX	1+2	1+2	Open	4+5	1+2	2+3	1+2
80486SX	1+2	Open	Open	Open	1+2	Open	Open
CX486M7	1+2	Open	1+2	2+3	1+2	1+2	2+3
CX486DX	1+2	Open	1+2	2+3	1+2	1+2	2+3
AM486DX	1+2	Open	1+2	Open	1+2	Open	Open
80486DX	1+2	Open	Open	Open	1+2	Open	Open
AM486DXL	1+2	Open	1+2	Open	1+2	Open	Open
SL80486DX	1+2	1+2	1+2	4+5	1+2	2+3	1+2
CX486DX2	1+2	Open	1+2	2+3	1+2	1+2	2+3
AM486DX2	1+2	Open	1+2	Open	1+2	Open	Open
80486DX2	1+2	Open	Open	Open	1+2	Open	Open
AM486DX2L	1+2	Open	1+2	Open	1+2	Open	Open
SL80486DX2	1+2	1+2	1+2	4+5	1+2	2+3	1+2
CX486DX2-V	2+3	Open	1+2	2+3	1+2	1+2	2+3
80486DX4	2+3	1+2	1+2	4+5	2+3	2+3	1+2
P24T	1+2	Open	1+2	Open	1+2	Open	Open

P24D	1+2	1+2	1+2	4+5	1+2	2+3	1+2

CPU TYPE CONFIGURATION (CON'T)

Type	JP12	JP13	JP14	JP15	JP16	JP21	JP22
CX486M6	2+3	2+3	2+3	Open	2+3	Open	1+2
CX486S	2+3	2+3	2+3	Open	2+3	Open	1+2
SL80486SX	2+3	Open	2+3	Open	Open	Open	2+3
80486SX	2+3	Open	2+3	Open	Open	Open	2+3
CX486M7	2+3	2+3	1+2	3+4	2+3	2+3	1+2
CX486DX	2+3	2+3	1+2	3+4	2+3	2+3	1+2
AM486DX	2+3	3+4	1+2	1+2	Open	Open	2+3
80486DX	2+3	Open	1+2	3+4	Open	Open	2+3
AM486DXL	2+3	3+4	1+2	1+2	Open	Open	2+3
SL80486DX	2+3	Open	1+2	3+4	Open	Open	2+3
CX486DX2	2+3	2+3	1+2	3+4	2+3	1+2	1+2
AM486DX2	2+3	3+4	1+2	1+2	Open	Open	2+3
80486DX2	2+3	Open	1+2	3+4	Open	Open	2+3
AM486DX2L	2+3	3+4	1+2	1+2	Open	Open	2+3
SL80486DX2	2+3	Open	1+2	3+4	Open	Open	2+3
CX486DX2-V	2+3	2+3	1+2	3+4	2+3	1+2	1+2
80486DX4	2+3	Open	1+2	3+4	Open	Open	2+3
P24T	1+2	Open	1+2	2+3	Open	Open	2+3
P24D	1+2	Open	1+2	2+3	Open	Open	2+3

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION (CON'T)

Type	JP23	JP36	JP42	JP43	JP44	JP45
CX486M6	2+3	1+2,4+5	Open	1+2	1+2	Open
CX486S	2+3	1+2,4+5	Open	1+2	1+2	Open
SL80486SX	1+2	1+2,4+5	Open	1+2	1+2	Open
80486SX	1+2	1+2,4+5	Open	1+2	1+2	Open
CX486M7	2+3	1+2,4+5	Open	1+2	1+2	Open
CX486DX	2+3	1+2,4+5	Open	1+2	1+2	Open
AM486DX	1+2	1+2,4+5	Open	1+2	1+2	Open
80486DX	1+2	1+2,4+5	Open	1+2	1+2	Open
AM486DXL	1+2	1+2,4+5	Open	1+2	2+3	Open
SL80486DX	1+2	1+2,4+5	Open	1+2	1+2	Open
CX486DX2	2+3	1+2,4+5	Open	1+2	1+2	Open
AM486DX2	1+2	1+2,4+5	Open	1+2	1+2	Open
80486DX2	1+2	1+2,4+5	Open	1+2	1+2	Open
AM486DX2L	1+2	1+2,4+5	Open	1+2	2+3	Open
SL80486DX2	1+2	1+2,4+5	Open	1+2	1+2	Open
CX486DX2-V	2+3	2+3,5+6	Open	1+2	1+2	1+2
80486DX4	1+2	2+3,5+6	1+2	Open	1+2	Open
P24T	1+2	1+2,4+5	Open	1+2	1+2	Open
P24D	1+2	1+2,4+5	Open	1+2	1+2	Open

Note: Pins designated should be in the closed position.

CPU SPEED CONFIGURATION

Speed	JP24	JP25	JP26	JP30	JP31
20MHz	1 + 2	2 + 3	2 + 3	1 + 2	1 + 2
25MHz	2 + 3	2 + 3	1 + 2	1 + 2	1 + 2
33MHz	2 + 3	1 + 2	2 + 3	1 + 2	1 + 2
40MHz	1 + 2	2 + 3	1 + 2	2 + 3	2 + 3
50iMHz	2 + 3	2 + 3	1 + 2	1 + 2	1 + 2
50MHz	1 + 2	1 + 2	2 + 3	2 + 3	2 + 3
66iMHz	2 + 3	1 + 2	2 + 3	1 + 2	1 + 2
75iMHz	2 + 3	2 + 3	1 + 2	1 + 2	1 + 2
80iMHz	1 + 2	2 + 3	1 + 2	2 + 3	2 + 3
100iMHz	2 + 3	1 + 2	2 + 3	1 + 2	1 + 2

Note: Pins designated should be in the closed position.

CACHE JUMPER CONFIGURATION

Size	JP17	JP18	JP19	JP27	JP32	JP33	JP34
64KB	1+2	2+3	Open	2+3	1+2	1+2	1+2
128KB	2+3	1+2	1+2,3+4	2+3	1+2	1+2	2+3
256KB	1+2	1+2	2+3,4+5	2+3	1+2	2+3	2+3
512KB	2+3	1+2	1+2,3+4	2+3	2+3	2+3	2+3
1MB	1+2	1+2	2+3,4+5	1+2	2+3	2+3	2+3

Note: Pins designated are in the closed position.

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