LONGSHINE MICROSYSTEM, INC.
L C S - 6 2 1 0 D   (R E V . E)

Data Bus	8-bit ISA
Card Size	Full-height, half-length card
Hard Drives supported	Two ST-506/412(MFM) drives
Floppy drives supported	None
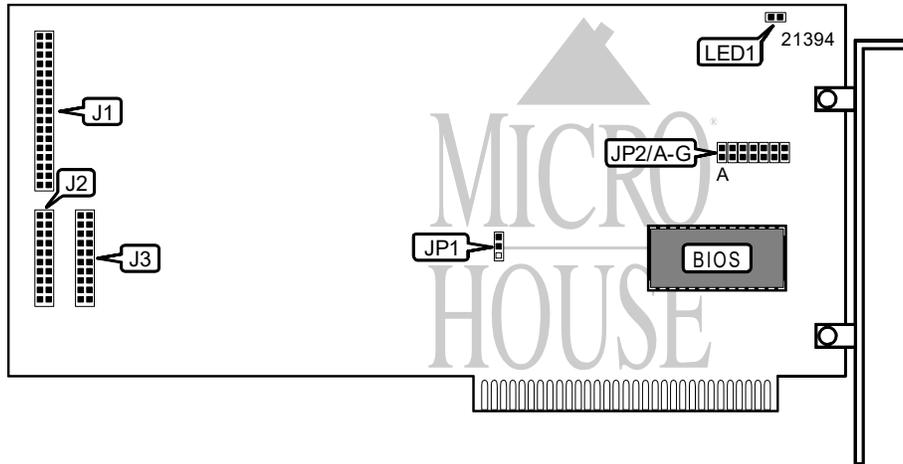
CONNECTIONS			
Function	Location	Function	Location
34-pin control cable connector - hard drive	J1	20-pin data cable connector - drive 1	J3
20-pin data cable connector - drive 0	J2	4-pin connector - drive active LED	LED1

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Base address C8000h select	JP1	Pins 2 & 3 closed
Base address E8000h select	JP1	Pins 1 & 2 closed
Note: To select the appropriate address, JP1 connections must be soldered on some boards.		

DRIVE 0 TYPE AND MODE SELECTION							
Size	Heads	Cylinders	Step Rate	JP2/A	JP2/B	JP2/C	JP2/D
í 20MB	4	612	17.6us	Open	Open	Open	Open
20MB	4	612	200.00us	Closed	Open	Open	Open
10MB	2	612	17.6us	Open	Closed	Open	Open
10MB	2	612	200.00us	Closed	Closed	Open	Open
10MB	4	306	17.6us	Open	Open	Closed	Open
10MB	4	306	200.00us	Closed	Open	Closed	Open
20MB	8	306	17.6us	Open	Closed	Closed	Open
21MB	4	640	17.6us	Closed	Closed	Closed	Open
22MB	6	440	200.00us	Open	Open	Open	Closed
30MB	5	695	17.6us	Closed	Open	Open	Closed
32MB	6	640	17.6us	Open	Closed	Open	Closed
32MB	5	733	17.6us	Closed	Closed	Open	Closed
40MB	8	612	17.6us	Open	Open	Closed	Closed
42MB	5	977	17.6us	Closed	Open	Closed	Closed
45MB	5	1023	17.6us	Open	Closed	Closed	Closed
40MB	6	820	17.6us	Closed	Closed	Closed	Closed

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DRIVE 1 TYPE AND MODE SELECTION						
Parameters						
Size	Heads	Cylinders	Step Rate	JP2/E	JP2/F	JP2/G
í Drive 1 disabled				Open	Open	Open
Drive 1 parameters same as drive 0				Closed	Open	Open
Key-in mode				Open	Closed	Open
10MB	2	612	17.6us	Closed	Closed	Open
20MB	4	612	17.6us	Open	Open	Closed
20MB	4	612	200.00us	Closed	Open	Closed
Reserved				Open	Closed	Closed
Split mode (Drive 0 split into 2 logical drives)				Closed	Closed	Closed

MISCELLANEOUS TECHNICAL NOTES
Sixteen different drive types can be selected by setting JP1. If drive type is indefinite, select Key-in Mode setting. This allows drive options to be explored during low-level Formatting Procedure.