WESTERN DIGITAL CORPORATION
WD1006-WAH, WD1006S-WAH
Replaced by the WD1006V-MM1

`Q4/92`

Data bus:	16-bit, ISA
Size:	WD1006S-WAH: Full-length, half-height card
	WD1006-WAH: Half-length, full-height card
Hard drives supported:	Two MFM ST506/412 drives
Floppy drives supported:	None
Sector interleave:	1:1
Maximum heads/cyl.:	16 heads and 2048 cylinders
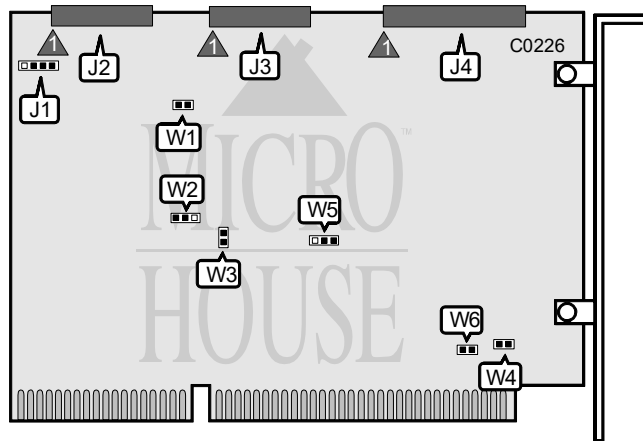
The WD1006-WAH
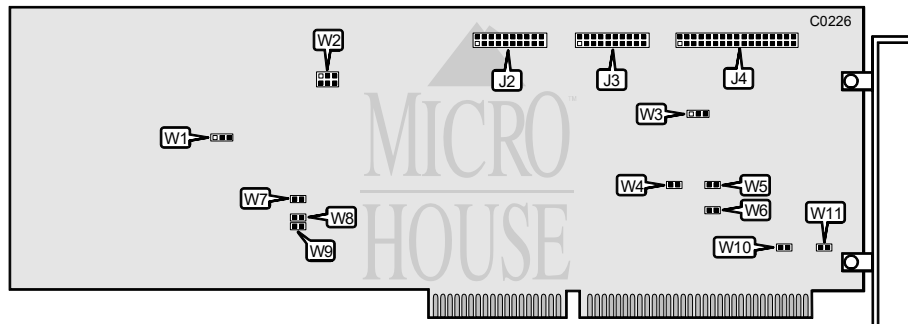
The WD1006S WAH

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CONNECTIONS	
Function	Location
4-pin connector-drive active LED	J1
20-pin data cable connector-drive 0	J2
20-pin data cable connector-drive 1	J3
34-pin control cable connector-hard drive	J4

USER CONFIGURABLE SETTINGS-WD1006-WAH		
Function	Location	Setting
16 head hard drive supported	W1	pins 1 & 2 closed
í 8 head hard drive and RWC supported	W1	pins 2 & 3 closed
í Hard drive port address is 1F0-1F7h	W3	pins 1 & 2 closed
Hard drive port address is 170-177h	W3	pins 2 & 3 closed
Drive LED is not latched, W10 must be open	W4	closed
Reserved for WD1006-RAH	W5 to W8	open
Enable caching	W9	open
Disable caching	W9	closed
í Non-latched mode	W10	open
Latched mode	W10	closed
Isolates mounting bracket from board	W11	open
Connects bracket to board ground	W11	closed

USER CONFIGURABLE SETTINGS-WD1006S WAH		
Function	Location	Setting
Etch on solder side connects pins 1 & 2. LED lights for drive selection. Remove W6 if W1 is installed.	W1	closed
Drive LED is latched	W1	open
í 16 heads. No reduced write current	W2	pins 1 & 2 closed
8 heads. Reduced write current	W2	pins 2 & 3 closed
í Enable caching	W3	open
Disable caching	W3	closed
Isolate mounting bracket from board	W4	open
Connects mounting bracket to board	W4	closed
í Hard drive address is 1F0-1F7h (hard wired)	W5	pins 1 & 2 closed
Hard drive port address is 170-177h	W5	pins 2 & 3 closed
í Non-latched mode	W6	open
Latched mode	W6	closed

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WAIT STATE JUMPER - WD1006-WAH (F002 Only, F001 does not support Wait States)			
State	W2/jumper 1	W2/jumper 2	W2/jumper 3
Zero Wait State enabled	closed	open	open
One Wait State enabled	open	closed	open
Two Wait States enabled	open	open	closed

MISCELLANEOUS TECHNICAL NOTES
Not all jumpers are present. You must solder those that are not present.
There are two versions of the WD1006S-WAH: the F001 and the F002. The F001 has caching firmware but no wait state generator; F002 has caching firmware with a wait state generator.