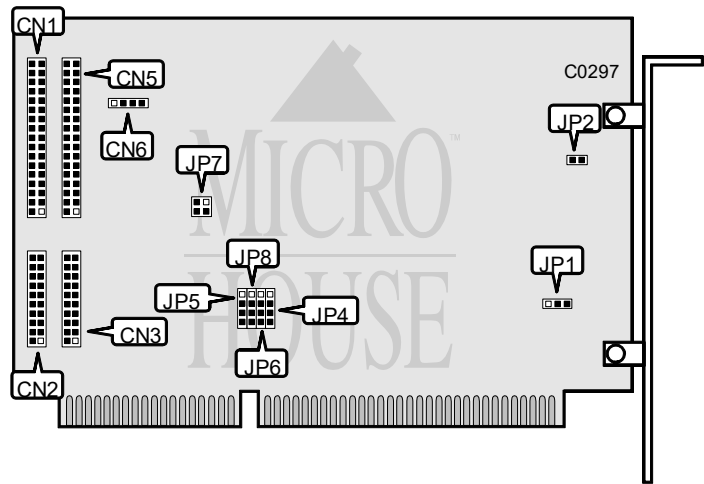


WESTERN DIGITAL CORPORATION
WD1003S-RAH

Q1/93

Data bus: 16-bit, ISA
Size: Half-length, full-height card
Hard drives supported: Two ST506/412 RLL drives
Floppy drives supported: Two 360KB, 720KB, 1.2MB, or 1.44MB drives



CONNECTIONS	
Function	Location
34-pin control cable connector-hard drives	CN1
20-pin data cable connector-Drive 0	CN2
20-pin data cable connector-Drive 1	CN3
34-pin data cable connector-secondary hard drive (See JP7 settings)	CN5
4-pin connector-drive active LED	CN6

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WD1003S-RAH

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USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í Auto deselect enabled (PC/AT)	JP1	pins 1 & 2 closed
Auto deselect disabled (Compaq)	JP1	open
í Hard drive port address is 1F0-1F7h & 3F0-3F7h	JP2	open
Hard drive port address is 170-177h & 370-377h	JP2	closed
í Drive 0 translation disabled	JP4	pins 1 & 2 closed
Drive 0 translation enabled*	JP4	pins 2 & 3 closed
í Write Gate and drive select lines are enabled only when drive is accessed	JP5	pins 2 & 3 closed
Write Gate and drive select lines are disabled during power-up and when +5V is <+4.15V	JP5	pins 1 & 2 closed
í Drive 1 translation disabled	JP6	pins 1 & 2 closed
Drive 1 translation enabled*	JP6	pins 2 & 3 closed
í Input tied high	JP8	pins 1 & 2 closed
Seek to LZ (663) on seek > than 615. Step rate 0 (11 µsec) changed to step rate 15 (11 µsec)	JP8	pins 2 & 3 closed
Note: Translates 4 x 615 x 26 to 6 x 615 x 17		

DRIVE ATTACHMENT CONFIGURATION	
Function	JP7
Both drives daisy-chained from CN1, or Drive 0 is attached to CN1 and drive 1 is attached to CN5	pins 1 & 2 and 2 & 3 closed (vertically)
Drive 0 attached to CN5, Drive 1 attached to CN1	pins 1 & 3 and 2 & 4 closed (horizontally)