WESTERN DIGITAL CORPORATION
WD1007V-SE1, WD1007V-SE2

Data bus:	16-bit, PC/AT
Size:	Full-length, full-height card
Hard drives supported:	2 ESDI drives
Floppy drives supported:	WD1007V-SE1:None
	WD1007V-SE2:Two 360KB, 720KB, 1.2MB, or 1.44MB
Options:	Feature F301R has an optional ROM BIOS with shadow RAM. Enables controller to interface with all types of ESDI drives bypassing the systems ROM BIOS drive type tables. Feature F300R does not include ROM BIOS option and system ROM BIOS must contain appropriate drive parameters.
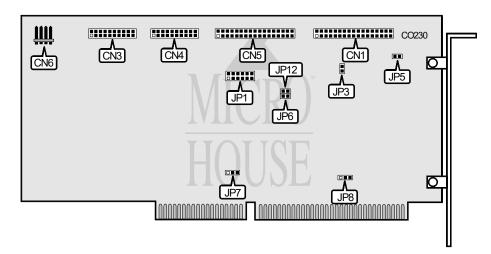
CONNECTIONS	
Function	Location
34-pin data cable connector-floppy drive (WD1007-SE2 only)	CN1
20-pin data cable connector-drive 1	CN3
20-pin data cable connector-drive 0	CN4
34-pin control cable connector-hard drive	CN5
4-pin connector-drive active LED	CN6

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USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í Look-ahead caching enable	JP1/jumper 1	open
Look-ahead caching disable	JP1/jumper 1	closed
í Four byte ECC mode	JP1/jumper 2	open
Seven byte ECC mode	JP1/jumper 2	closed
í Use translation for non-supported drive types	JP1/jumper 3	open
Do not translate	JP1/jumper 3	closed
Factory configured- Do not alter	JP1/jumper 4	open
í Sectors per track determined by drive jumpers	JP1/jumper 5	open
Force drive to 35 SPT. Has no effect on drives with data transfer rates of 15Mbits per second	JP1/jumper 5	closed
No alternate sector	JP1/jumper 6	open
Alternate sector per track.	JP1/jumper 6	closed
í BIOS ROM enabled	JP3	open
BIOS ROM disabled	JP3	closed
í Single speed floppy drive select	JP5	open
Dual speed floppy drive select	JP5	closed
í Floppy drive port address is 3F2-3F7h	JP6	open
Floppy drive port address is 372-377h	JP6	closed
í IRQ14	JP7	pins 1 & 2 closed
IRQ15	JP7	pins 2 & 3 closed
BIOS address C8000-CBFFFh	JP8	pins 1 & 2 closed
í BIOS address CC000-CFFFFh	JP8	pins 2 & 3 closed
í Hard drive port address is 1F0-1F7h	JP12	open
Hard drive port address is 170-177h	JP12	closed

MISCELLANEOUS TECHNICAL NOTES
To make the WD1007V-SEx compatible with the WD1007A install jumpers on JP1/jumper 5 and JP1/jumper 6.