

WESTERN DIGITAL CORPORATION

WD1002S-WX2

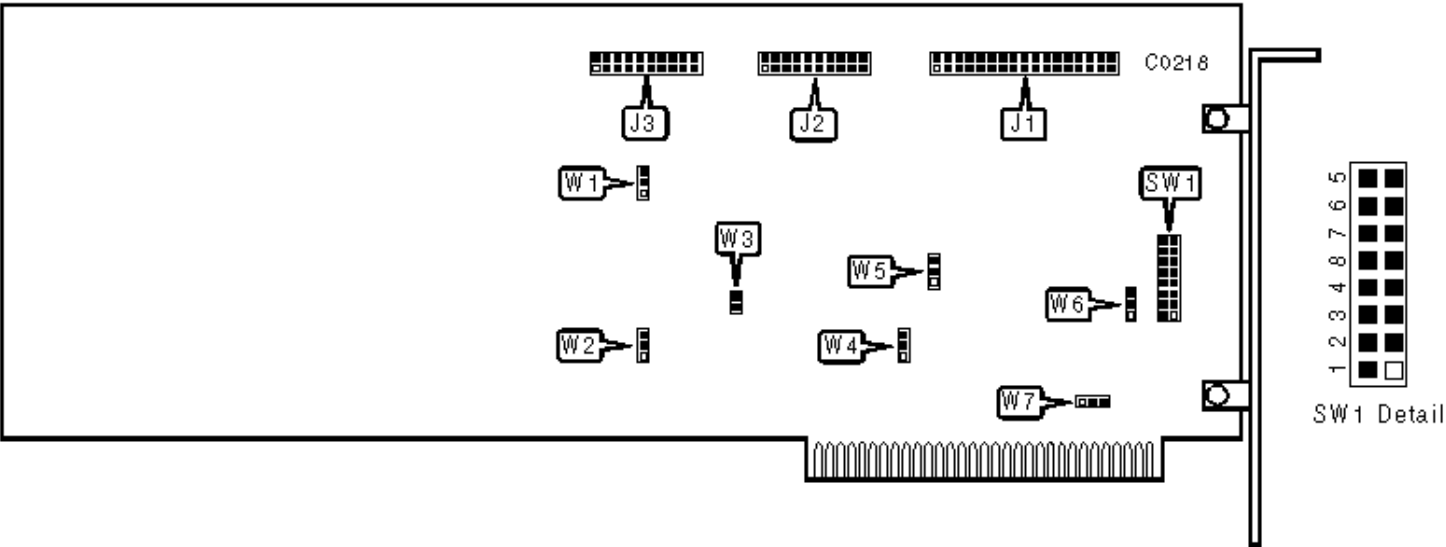


Data bus: 8-bit, PC/XT

Size: Full-length, half-height card

Hard drives supported: Two MFM ST506/412 drives

Floppy drives supported: None



| CONNECTIONS                               |          |
|-------------------------------------------|----------|
| Function                                  | Location |
| 34-pin control cable connector-hard drive | J1       |
| 20-pin data cable connector-drive 0       | J2       |
| 20-pin data cable connector-drive 1       | J3       |

| USER CONFIGURABLE SETTINGS |                                  |          |         |
|----------------------------|----------------------------------|----------|---------|
| Function                   |                                  | Location | Setting |
|                            | Reserved for BIOS                | SW1/8    | open    |
|                            | Reserved for BIOS                | SW1/7    | open    |
|                            | Reserved for BIOS Virtual option | SW1/6    | open    |

|   |                                              |       |                   |
|---|----------------------------------------------|-------|-------------------|
|   | Reserved for BIOS Auto-config option         | SW1/5 | open              |
| » | Normal operation                             | W1    | pins 1 & 2 closed |
|   | Factory test                                 | W1    | pins 2 & 3 closed |
| » | Normal operation                             | W2    | pins 1 & 2 closed |
|   | Factory test                                 | W2    | pins 2 & 3 closed |
| » | BIOS enabled                                 | W3    | closed            |
|   | BIOS disabled                                | W3    | open              |
| » | I/O port address 320h                        | W4    | pins 2 & 3 closed |
|   | I/O port address 324h                        | W4    | pins 1 & 2 closed |
| » | BIOS size 32K or 64K (hard-wired)            | W5    | pins 1 & 2 closed |
|   | BIOS size 16K                                | W5    | pins 2 & 3 closed |
| » | 8 Head hard drive with RWC supported         | W6    | pins 2 & 3 closed |
|   | 16 head hard drive supported (Head Select 3) | W6    | pins 1 & 2 closed |
| » | Hard Drive Interrupt is IRQ5 (hard-wired)    | W7    | pins 1 & 2 closed |
|   | Hard Drive Interrupt is IRQ2                 | W7    | pins 2 & 3 closed |

## BIOS DRIVE TYPE TABLE - SW1

## JUMPERS 1 AND 2 CONFIGURE DRIVE 1

## JUMPERS 3 AND 4 CONFIGURE DRIVE 0

| # | Jumper 1 & 3 | Jumper 2 & 4 | Cap. | Hds. | Cyls. | WP      | RWC |
|---|--------------|--------------|------|------|-------|---------|-----|
| 0 | closed       | closed       | 21MB | 4    | 612   | 613     | 613 |
| 1 | open         | closed       | 10MB | 2    | 612   | 128     | 128 |
| 2 | closed       | open         | 21MB | 4    | 612   | 128     | 613 |
| 3 | open         | open         | 10MB | 4    | 306   | all (0) | 306 |

## MISCELLANEOUS TECHNICAL NOTES

This controller has a built-in low-level format program. To enter the program run the DEBUG utility supplied with DOS and at the prompt enter: G=C800:5.