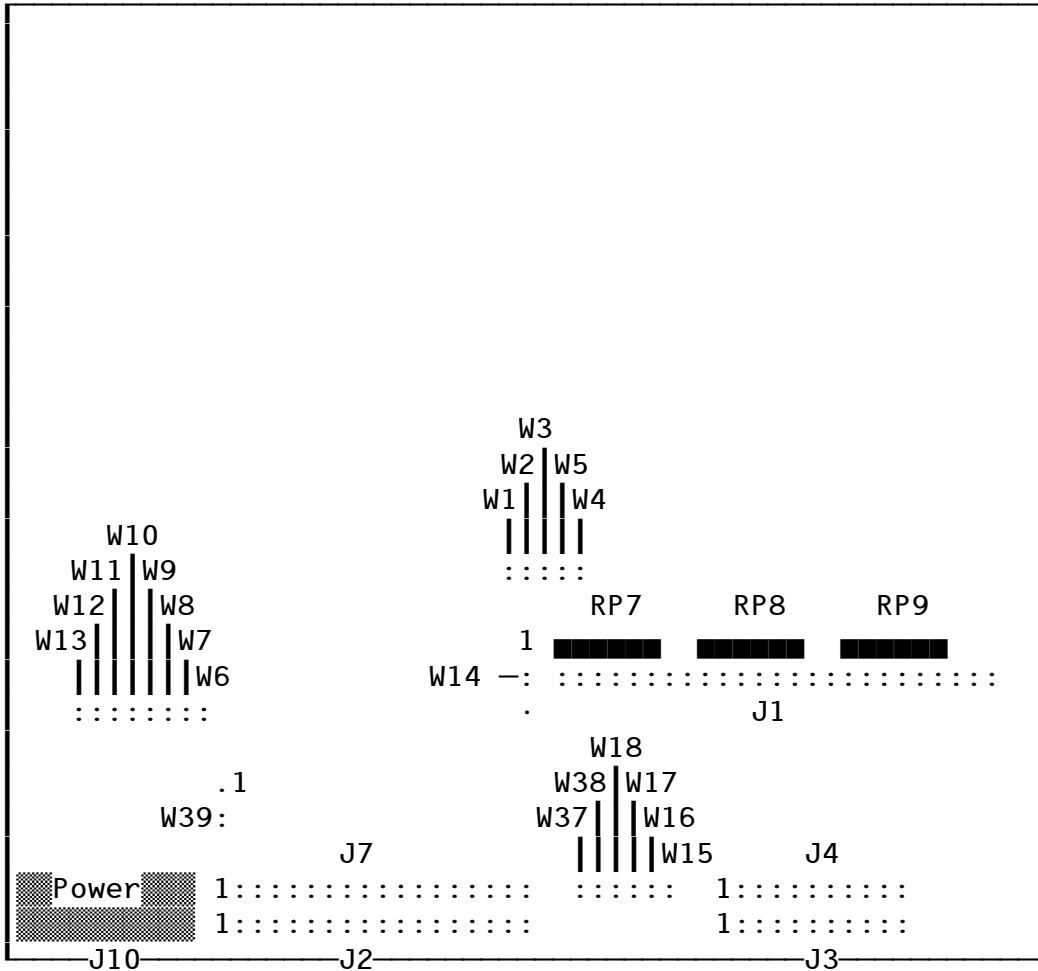**SMS OMTI7200**

- supports narrow SCSI bus
- supports up to two 10MHz ESDI hard drives, hard sectored with up to 36 sectors per track or up to two ST506/412 hard drives
- supports up to two floppy drives
- supports automatic drive media defect management

<u>Board Layout</u>

```
                              W3
                           W2 | W5
                           W1 | | | W4
                            | | | | |
                            : : : : :
              W10                    RP7         RP8         RP9
          W11 | W9
          W12 | | | W8               1 ■■■■■■   ■■■■■■   ■■■■■■
        W13 | | | | W7        W14 —: : : : : : : : : : : : : : : : : : : : : : : : : :
          | | | | | | W6               .                    J1
          : : : : : : :
                                           W18
              .1                        W38 | W17
          W39:                        W37 | | | W16
                                        | | | | | W15
    ░░Power░░  J7                       : : : : : :   J4
    ░░Power░░  1 : : : : : : : : : : : : : : : : :   : : : : : :  1 : : : : : : : : : :
    ░░░░░░░░   1 : : : : : : : : : : : : : : : : :                 1 : : : : : : : : : :
    └─J10──────────J2───────────────────────────────────J3────
```

<u>Board Connectors</u>

J1 50—pin SCSI connector

J2 34—pin control cable connector hard drive

J3 20—pin data cable connector drive 1

J4 20—pin data cable connector drive 2

J7 34—pin cable connector floppy drive

J10 4—pin power connector

Jumper Settings

SCSI Jumper Settings

Jumper W1—W3 SCSI ID

W1	W2	W3	SCSI ID
IN	IN	IN	7
IN	IN	OUT	6
IN	OUT	IN	5
IN	OUT	OUT	4
OUT	IN	IN	3
OUT	IN	OUT	2
OUT	OUT	IN	1
OUT	OUT	OUT	0

(Default) for SCSI ID 0

Jumper W4 SCSI Bus Parity
IN: Parity Enabled (Default)
OUT: Parity Disabled

Jumper W14 SCSI Power Termination
W14 Pin 1—2: Termination power from board (Default)
        2—3: Termination power from SCSI bus

Hard Drive Jumper Settings

Jumper W5 Start Drive Motor Option
IN: Drive Motor starts at Power Up (Default)
OUT: Drive Motor starts by SCSI command

Jumper W6, W7 Hard Drive Interface Option

W6	W7	
IN		Hard Drive connected to J3 is ESDI
OUT		Hard Drive connected to J3 is ST506/412 (Default)
	IN	Hard Drive connected to J4 is ESDI
	OUT	Hard Drive connected to J3 is ST506/412 (Default)

Flexible Disk Drive Jumper Settings

Jumper W1-W3 SCSI ID

	W15	W16	W17	W18
IN	drive READY signal on pin2	drive READY signal on pin34	READY signal is forced true	MOTOR ON signal is forced true
OUT	no READY signal on pin2	no READY signal on pin34	READY signal by drive or set by firmware	MOTOR ON signal depends on the status of the MODE SELECT command page 5
Default	OUT	IN	OUT	OUT

Reserved Jumpers
W8, W9, W10, W11, W12, W13 Not used. Leave open.

Setup

The SCSI host adapter's hard disk format program initializes the ESDI hard drive with a low-level format.

In case of Adaptec SCSI host adapters, this process is done within the DOS operating system. At the DOS start up, a host adapter specific ASPI driver has to be loaded with the help of a config.sys entry. Then 'scsifmt.exe' from Adaptec initializes the drive.