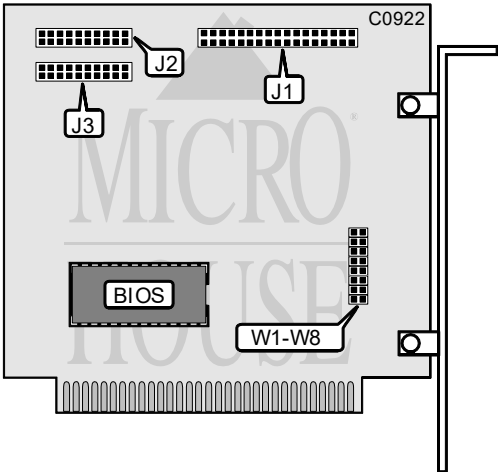


SCIENTIFIC MICRO SYSTEMS  
OMTI 5527B

Q2/96

Data bus: 8-bit ISA  
Size: Half-length, full-height card  
Hard drive supported: Two RLL ST-506/412 drives  
Floppy drives supported: None



| CONNECTIONS                                 |          |
|---|----------|
| Function                                    | Location |
| 34-pin control cable connector - hard drive | J1       |
| 20-pin data cable connector - drive 1       | J2       |
| 20-pin data cable connector - drive 2       | J3       |

| USER CONFIGURABLE SETTINGS          |          |         |
|-------------------------------------|----------|---------|
| Function                            | Location | Setting |
| i BIOS controller enabled           | W7       | open    |
| BIOS controller disabled            | W7       | closed  |
| i BIOS controller address is C8000h | W8       | open    |
| BIOS controller address is CA000h   | W8       | closed  |

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| HARD DISK TYPE SELECTION FOR DRIVES 0 AND 1<br>(BIOS 1002312-R7)  |                  |              |                            |        |        |        |        |
|---|------------------|--------------|----------------------------|--------|--------|--------|--------|
| Model   | Cylinder<br>Nbr. | Head<br>Nbr. | Step<br>Rate<br>( $\mu$ s) | W1     | W2     | W3     | W4     |
| Lapine Titan (3.5 in.)  | 615              | 4            | 25                         | open   | open   | open   | open   |
| Maxtor XT-1085  | 1024             | 8            | 10                         | closed | closed | closed | open   |
| Maxtor XT-1140  | 918              | 15           | 10                         | closed | open   | closed | closed |
| Miniscribe 3425   | 612              | 4            | 25                         | closed | open   | closed | open   |
| Microscience<br>HH7156  | 12               | 4            | 25                         | open   | open   | closed | open   |
| NEC D3126 (3.5 in.)   | 640              | 8            | 25                         | open   | open   | closed | closed |
| NEC 5126  | 612              | 4            | 25                         | closed | open   | closed | open   |
| Newbury Data<br>Penny   | 612              | 8            | 25                         | open   | closed | open   | closed |
| Rodime RO352  | 306              | 4            | 25                         | closed | open   | open   | open   |
| Rodime R0204E   | 640              | 8            | 25                         | open   | open   | closed | closed |
| Seagate ST238   | 615              | 4            | 25                         | open   | open   | open   | open   |
| Syquest SQ 319  | 615              | 2            | 25                         | closed | closed | open   | open   |
| Tandon TM 502   | 306              | 4            | 25                         | open   | closed | open   | open   |
| Tandon TM755  | 980              | 5            | 25                         | closed | closed | open   | closed |
| Toshiba MK54FB  | 830              | 7            | 10                         | closed | open   | open   | closed |
| Toshiba MK56FB  | 830              | 10           | 10                         | open   | closed | closed | open   |
| Tulin R0202E  | 640              | 4            | 25                         | closed | closed | closed | closed |
| Vertex/Priam V150   | 987              | 5            | 10                         | open   | open   | open   | closed |
| <p>Note: Install jumpers W1 through W4 in a two-drive system only when both drives are the same model and the model is listed above. If drive model is not listed above, do not install W1 through W4.</p> <p>The Miniscribe 3425, Tandon TM 502 and Tandon TM755 models listed above are characterized by Reduce Write Current at cylinder numbers 128, 128, 700 respectively.</p> |                  |              |                            |        |        |        |        |

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| HARD DISK TYPE SELECTION FOR DRIVES 0 AND 1<br>(BIOS 1002571-R10)   |                  |              |        |        |        |        |
|---|------------------|--------------|--------|--------|--------|--------|
| Model   | Cylinder<br>Nbr. | Head<br>Nbr. | W1     | W2     | W3     | W4     |
| Atasi 3085  | 1024             | 8            | closed | closed | closed | closed |
| Lapine LT300  | 616              | 4            | open   | open   | closed | closed |
| Microscience HH330  | 612              | 4            | open   | closed | closed | closed |
| Microscience HH738  | 612              | 4            | open   | closed | closed | closed |
| Miniscribe 3438   | 615              | 4            | open   | open   | open   | open   |
| Miniscribe 8438   | 612              | 4            | open   | closed | closed | closed |
| Peripheral Tech<br>357R   | 615              | 6            | closed | open   | closed | closed |
| Priam V170  | 987              | 7            | closed | closed | open   | closed |
| Priam V185  | 1166             | 7            | open   | closed | open   | closed |
| Priam 514   | 1224             | 11           | closed | open   | open   | closed |
| Priam 519   | 1224             | 15           | open   | open   | open   | closed |
| Seagate ST238R  | 615              | 4            | open   | open   | open   | open   |
| Seagate ST251R  | 820              | 4            | closed | closed | closed | open   |
| Seagate ST277R  | 820              | 6            | open   | closed | closed | open   |
| Seagate ST4077R   | 1024             | 5            | closed | open   | closed | open   |
| Seagate ST4144R   | 1024             | 9            | closed | open   | closed | open   |
| Tobshiba MK53FB   | 830              | 5            | closed | closed | open   | open   |
| Toshiba MK54FB  | 830              | 7            | open   | closed | open   | open   |
| Toshiba MK56FB  | 830              | 10           | closed | open   | open   | open   |
| Note: Install jumpers W1 through W4 in a two-drive system, only when both drives are the same model and that model is listed above. If drive model is not listed above, do not install W1 through W4. |                  |              |        |        |        |        |

| HARD DISK I/O ADDRESS SELECTION |        |        |
|---------------------------------|--------|--------|
| Address                         | W5     | W6     |
| í 320h                          | open   | open   |
| 324h                            | closed | open   |
| 328h                            | open   | closed |
| 32Ch                            | closed | closed |