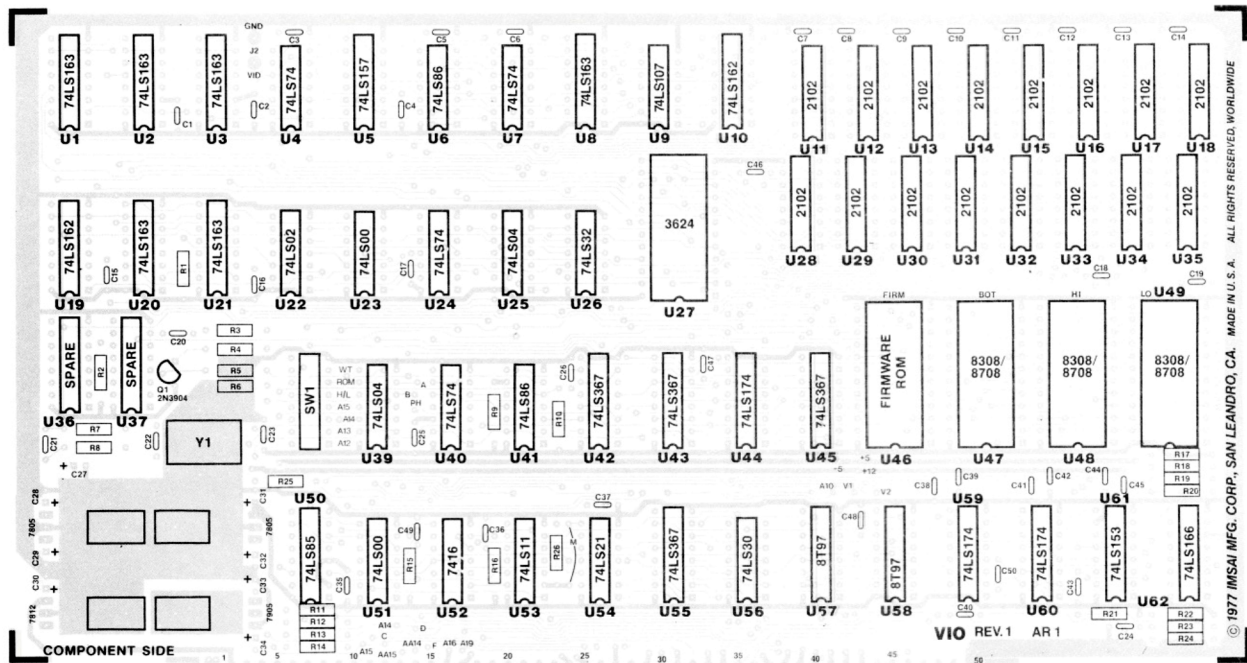


| REVISIONS |                 |      |          |
|-----------|-----------------|------|----------|
| LTR       | DESCRIPTION     | DATE | APPROVED |
| 0         | ORIGINAL REV. 1 | 6/77 |          |

|              |                 |              |                  |
|--------------|-----------------|--------------|------------------|
| U1 THRU U8   | 74LS163         | U62          | 74LS166          |
| U20          |                 | C1 THRU C20  |                  |
| U21          |                 | C23 THRU C26 | .1 uF            |
| U4           |                 | C35 THRU C48 |                  |
| U7           | 74LS74          |              |                  |
| U24          |                 |              |                  |
| U40          |                 |              |                  |
| U5           | 74LS157         |              |                  |
| U6           | 74LS86          | C21          | .001 uF          |
| U41          |                 | C49          |                  |
| U9           | 74LS107         | C22          | 20 pF            |
| U10          |                 | C27 THRU C34 | 2.2 uF 25V       |
| U19          | 74LS162         | C50          | 470 pF           |
| U11 THRU U18 | 2102 AL-4       | Q1           | 2N3904           |
| U28          |                 | R1 THRU R10  |                  |
| U22          | 74LS02          | R16 THRU R25 | 2.2K 1/4W        |
| U23          | 74LS00          | R26          |                  |
| U51          |                 | R2           | 1K 1/4W          |
| U25          | 74LS04          | R9           |                  |
| U39          |                 | R7           | 470 1/4W         |
| U26          | 74LS32          | R8           |                  |
| U27          | 3624 W/ VIO MAP | R4           | 100 1/4W         |
| U36          | SPARE           | R5           | 150 1/4W         |
| U37          |                 | R17 THRU R20 |                  |
| U42          |                 | R22          | 4.7K 1/4W        |
| U43          | 74LS367         | R24          |                  |
| U44          |                 | S1           | 8 POSITION DIP   |
| U59          | 74LS174         |              |                  |
| U60          |                 | Y1           | 12.2304 MHz XTAL |
| U46          | 2316 SMP/80.0   |              |                  |
| U47          |                 |              |                  |
| U49 THRU U58 | 8308/8708       |              |                  |
| U50          | 74LS85          |              |                  |
| U52          | 7416            |              |                  |
| U53          | 74LS11          |              |                  |
| U54          | 74LS21          |              |                  |
| U56          | 74LS30          |              |                  |
| U57          | 8T97            |              |                  |
| U61          | 74LS153         |              |                  |

|                                       |      |   |                  |
|---------------------------------------|------|---|------------------|
| TOLERANCES UNLESS OTHERWISE SPECIFIED |      | © 1977 IMSAI MFG. CORP., SAN LEANDRO, CA. |                  |
| FRACTIONS DEC. ANGLES                 |      | ALL RIGHTS RESERVED WORLDWIDE             |                  |
| ± ± ±                                 |      | MADE IN U.S.A.                            |                  |
| APPROVALS                             | DATE | IMSAI SYSTEM                              |                  |
| DRAWN                                 |      | VIO REV. 1                                |                  |
| CHECKED                               |      | SCHEMATIC DIAGRAM                         |                  |
|                                       |      | SCALE                                     | SIZE DRAWING NO. |
|                                       |      |   | <b>B</b>         |
| DO NOT SCALE DRAWING                  |      | SHEET 2 OF 2                              |                  |

| REVISIONS |                 |      |          |
|-----------|-----------------|------|----------|
| LTR       | DESCRIPTION     | DATE | APPROVED |
| 0         | ORIGINAL REV. 1 | 6/77 |          |



|            |                 |          |                  |
|------------|-----------------|----------|------------------|
| U1 THRU U3 | 74LS163         | U61      | 74LS153          |
| U8         |                 | U62      | 74LS166          |
| U20        |                 | C1       |                  |
| U21        |                 | THRU C20 |                  |
| U4         | 74LS163         | C23      |                  |
| U7         |                 | THRU C26 | .1 uF            |
| U24        | 74LS74          | C35      |                  |
| U40        |                 | THRU C48 |                  |
| U5         | 74LS157         |          |                  |
| U6         | 74LS86          |          |                  |
| U41        |                 | C21      | .001 uF          |
| U9         | 74LS107         | C49      |                  |
| U10        |                 | C22      | 20 pF            |
| U19        | 74LS162         | C27      |                  |
| U11        |                 | THRU C34 | 2.2 uF 25V       |
| U18        |                 | C50      | 470 pF           |
| U28        | 2102 AL-4       | Q1       | 2N3904           |
| U35        |                 | R1       |                  |
| U22        | 74LS02          | R10      |                  |
| U23        |                 | THRU R16 | 2.2K 1/4W        |
| U51        | 74LS00          | R25      |                  |
| U25        |                 | R26      |                  |
| U39        | 74LS04          | R2       |                  |
| U26        | 74LS32          | R9       | 1K 1/4W          |
| U27        | 3624 W/ VIO MAP | R21      |                  |
| U36        | SPARE           | R3       |                  |
| U37        |                 | R7       | 470 1/4W         |
| U42        |                 | R8       |                  |
| U43        | 74LS367         | R4       | 100 1/4W         |
| U45        |                 | R5       | 150 1/4W         |
| U55        |                 | R6       |                  |
| U44        |                 | R17      |                  |
| U59        |                 | THRU R20 | 4.7K 1/4W        |
| U46        | 2316 SMP/80.0   | R22      |                  |
| U47        |                 | R23      |                  |
| U48        | 8308/8708       | R24      |                  |
| U49        |                 | R24      |                  |
| U50        | 74LS85          | S1       | 8 POSITION DIP   |
| U52        | 7416            |          |                  |
| U53        | 74LS11          | Y1       | 12.2304 MHz XTAL |
| U54        | 74LS21          |          |                  |
| U56        | 74LS30          |          |                  |
| U57        | 8T97            |          |                  |
| U58        |                 |          |                  |

| TOLERANCES UNLESS OTHERWISE SPECIFIED |      |
|---------------------------------------|------|
| FRACTIONS                             | DEC. |
| ±                                     | ±    |
| ±                                     | ±    |
| ±                                     | ±    |

© 1977 IMSAI MFG. CORP., SAN LEANDRO, CA. ALL RIGHTS RESERVED WORLDWIDE MADE IN U.S.A.

| APPROVALS            |  | DATE         |
|----------------------|--|--------------|
| DRAWN                |  |              |
| CHECKED              |  |              |
| SCALE                |  | SIZE         |
|                      |  | <b>B</b>     |
| DO NOT SCALE DRAWING |  | DRAWING NO.  |
|                      |  | SHEET 2 OF 2 |