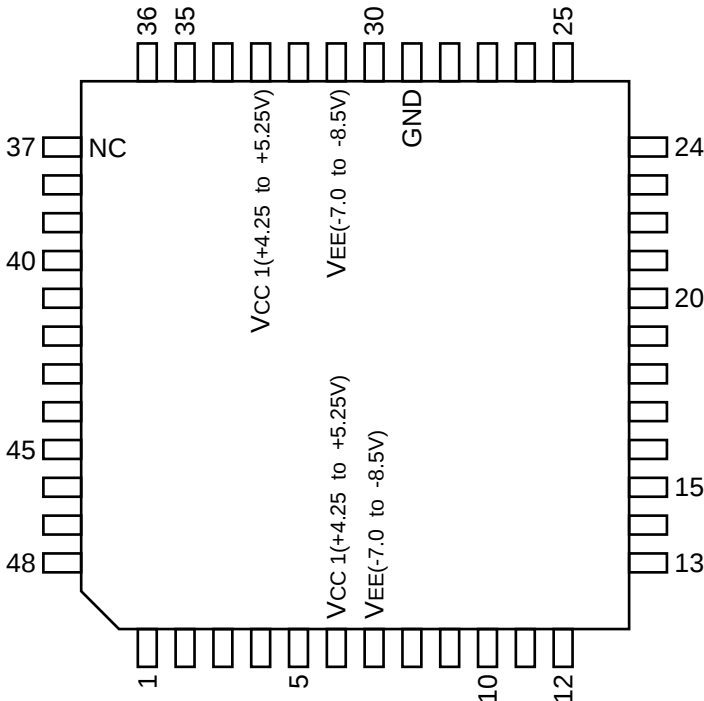


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NTSC TFT-LIQUID CRYSTAL VIDEO SIGNAL CONTROLLER

—TOP VIEW—



| PIN No. | I/O | SIGNAL        | PIN No. | I/O | SIGNAL         |
|---------|-----|---------------|---------|-----|----------------|
| 1       | I   | SW            | 25      | I   | TINT           |
| 2       | I   | CONTRAST      | 26      | I   | VCO            |
| 3       | I   | EXT IN B      | 27      | I   | APC FILTER     |
| 4       | I   | EXT IN G      | 28      | I   | COM AMPLITUDE  |
| 5       | I   | EXT IN R      | 29      | —   | GND            |
| 6       | —   | VCC 1         | 30      | O   | COM OUT        |
| 7       | —   | VEE           | 31      | —   | VEE            |
| 8       | —   | NC            | 32      | O   | R OUT          |
| 9       | I   | ACC FILTER    | 33      | —   | Vcc 2          |
| 10      | I   | VIDEO IN      | 34      | O   | G OUT          |
| 11      | I   | COLOR         | 35      | I   | OUT DC DET     |
| 12      | I   | F ADJ         | 36      | O   | B OUT          |
| 13      | O   | AGC OUT       | 37      | —   | NC             |
| 14      | I   | AGC FILTER    | 38      | I   | RGB AMPLITUDE  |
| 15      | O   | TRAP OUT      | 39      | I   | FRP            |
| 16      | I   | CLAMP         | 40      | I   | RGB INV        |
| 17      | I   | APL           | 41      | I   | SUB BRIGHT B   |
| 18      | O   | H FILTER OUT  | 42      | I   | SUB BRIGHT R   |
| 19      | I   | SYNC SEP      | 43      | I   | BRIGHT         |
| 20      | O   | SYNC OUT      | 44      | I   | GAMMA 2        |
| 21      | I   | SYNC IN       | 45      | I   | GAMMA1         |
| 22      | I   | TIME CONSTANT | 46      | I   | PEAK LIMITER   |
| 23      | I   | PICTURE       | 47      | I   | SUB CONTRAST B |
| 24      | I   | KILLER FILTER | 48      | I   | SUB CONTRAST R |

|    |                |              |    |
|----|----------------|--------------|----|
| 9  | ACC FILTER     |              |    |
| 27 | APC FILTER     |              |    |
| 24 | KILLER FILTER  |              |    |
| 48 | SUB CONTRAST R | R OUT        | 32 |
| 47 | SUB CONTRAST B | G OUT        | 34 |
| 2  | CONTRAST       | B OUT        | 36 |
| 1  | SW             |              |    |
| 3  | EXT IN B       |              |    |
| 4  | EXT IN G       |              |    |
| 5  | EXT IN R       | COM OUT      | 30 |
| 39 | FRP            |              |    |
| 43 | BRIGHT         |              |    |
| 26 | VCO            |              |    |
| 25 | TINT           |              |    |
| 42 | SUB BRIGHT R   |              |    |
| 41 | SUB BRIGHT B   |              |    |
| 35 | OUT DC DET     |              |    |
| 38 | RGB AMPLITUDE  |              |    |
| 44 | GAMMA2         |              |    |
| 45 | GAMMA1         |              |    |
| 46 | PEAK LIMITER   |              |    |
| 40 | RGB INV        |              |    |
| 28 | COM AMPLITUDE  |              |    |
| 10 | VIDEO IN       | TRAP OUT     | 15 |
| 12 | F ADJ          | AGC OUT      | 13 |
| 16 | CLAMP          |              |    |
| 19 | SYNC SEP       | H FILTER OUT | 18 |
| 21 | SYNC IN        | SYNC OUT     | 20 |
| 22 | TIME CONSTANT  |              |    |
| 17 | APL            |              |    |
| 14 | AGC FILTER     |              |    |
| 23 | PICTURE        |              |    |
| 11 | COLOR          |              |    |

