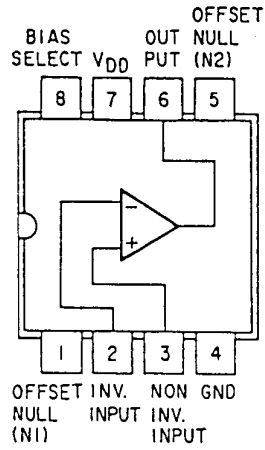
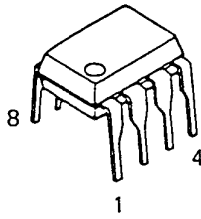
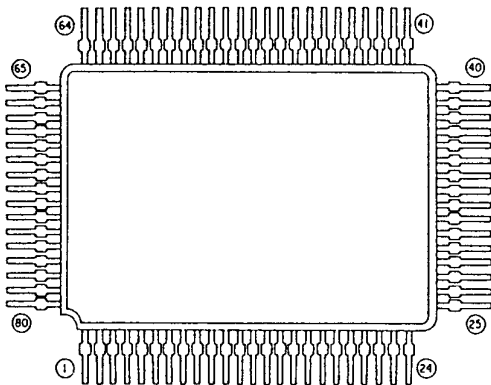


TLC 271CP



UC1143

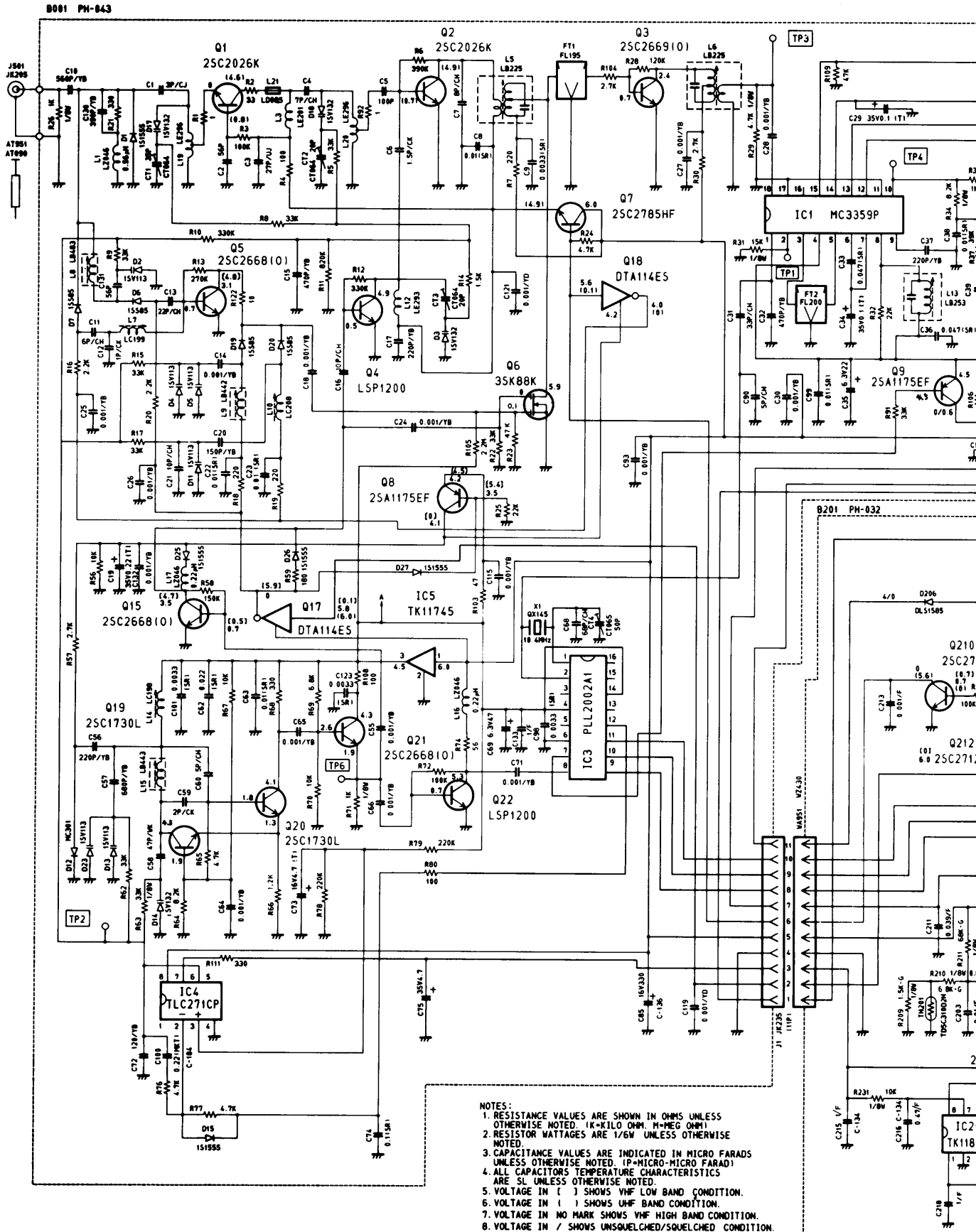


UC1143 Pin Connection

| PIN NO. | TERMINAL DESCRIPTION<br>(Input/Output Level, Interface)                   | PIN NO.                                 | TERMINAL DESCRIPTION<br>(Input/Output Level, Interface)    |       |
|---------|---|---|--|-------|
| 1       | Not used  | 42                                      | Not Used   |       |
| 2       | Key Matrix  | 43                                      |  |       |
| 3       |   | 44                                      |  |       |
| 4       |   | 45                                      |  |       |
| 5       |   | 46                                      |  |       |
| 6       |   | 47                                      |  |       |
| 7       |   | 48                                      |  |       |
| 8       |   | 49                                      |  |       |
| 9       |   | 50                                      |  |       |
| 10      |   | BEEP output, Pin 68: BEEP output at "L" |  | 51    |
| 11      | Not Used  | 52                                      |  |       |
| 12      |   | 53                                      |  |       |
| 13      |   | 54                                      |  |       |
| 14      | Key Matrix  | 55                                      |  |       |
| 15      |   | 56                                      |  |       |
| 16      |   | 57                                      |  |       |
| 17      | Key Lock SW I/O Terminal<br>"H": Key Lock ON (KEY input is not available) | 58                                      |  |       |
| 18      | "L": RESET OFF<br>"H": RESET ON   | 59                                      |  |       |
| 19      | Always connected to VCC   | 60                                      |  |       |
| 20      | Microcomputer Clock   | 61                                      |  |       |
| 21      |   | 62                                      |  |       |
| 22      | Power Terminal (4.5~5.5V)<br>"L": HALT ON<br>"H": HALT OFF                | 63                                      | GND  |       |
| 23      | LCD Bias Setting Terminal   | 64                                      | POWER FALL Detector Input<br>"L": Memory clear with RST ON |       |
| 24      |   | 65                                      | SC "H": SCAN STOP<br>"L": SCAN                             |       |
| 25      |   | 66                                      | Europe Band Select "H": U.S.A. Band<br>"L": Europe Band    |       |
| 26      |   | 67                                      | Not Used   |       |
| 27      | LCD Common Terminal   | 68                                      | BATTERY "L": BEEP output from pin 10<br>LOW "H": BEEP OFF  |       |
| 28      | Not Used  | 69                                      | TEST Frequency Select "L" Normal                           |       |
| 29      |   | 70                                      | Band Select Output<br>(VHF)                                |       |
| 30      |   | 71                                      |  | (UHF) |
| 31      | LCD Segment Terminal  | 72                                      | Not Used   |       |
| 32      |   | 73                                      |  |       |
| 33      |   | 74                                      |  |       |
| 34      |   | 75                                      |  |       |
| 35      |   | 76                                      |  |       |
| 36      |   | 77                                      |  |       |
| 37      |   | PLL CONTROL (DATA)<br>(CLOCK)           | 78   | (EN)  |
| 38      |   |   | 79   |       |
| 39      |   |   | 80   |       |
| 40      |   |   |  |       |
| 41      | Not Used  |   |  |       |



# SCHEMATIC DIAGRAM



- NOTES:
1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED. (K-KILO OHM, M-MEG OHM)
  2. RESISTOR WATTAGES ARE 1/8W UNLESS OTHERWISE NOTED.
  3. CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS UNLESS OTHERWISE NOTED. (P-MICRO-MICRO FARAD)
  4. ALL CAPACITORS TEMPERATURE CHARACTERISTICS ARE S1 UNLESS OTHERWISE NOTED.
  5. VOLTAGE IN ( ) SHOWS VHF LOW BAND CONDITION.
  6. VOLTAGE IN ( ) SHOWS UHF BAND CONDITION.
  7. VOLTAGE IN / NO MARK SHOWS VHF HIGH BAND CONDITION.
  8. VOLTAGE IN / SHOWS UNSQUELCHED/SQUELCHED CONDITION.

# WIRING DIAGRAM

UB106B:150:2

