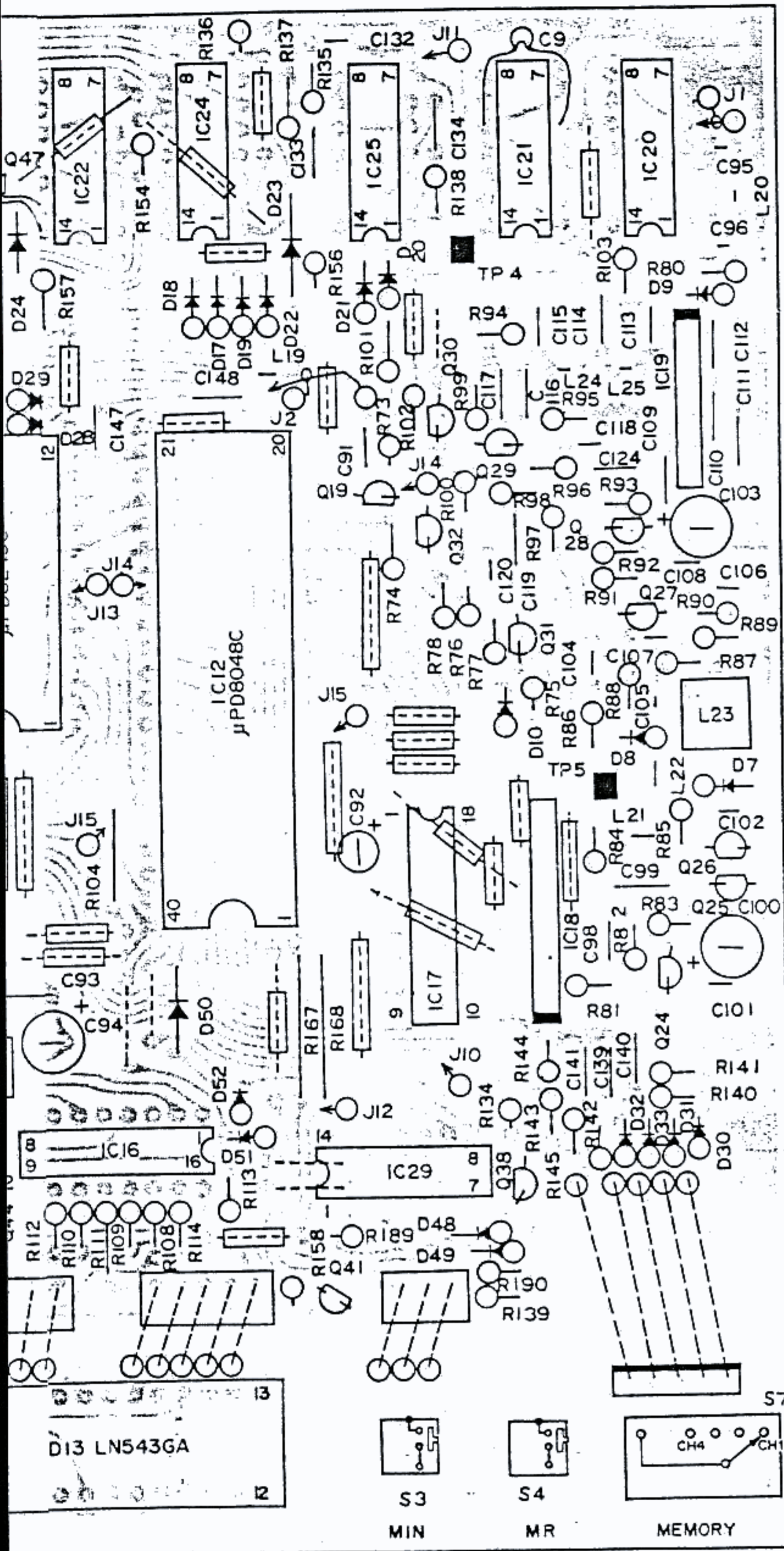


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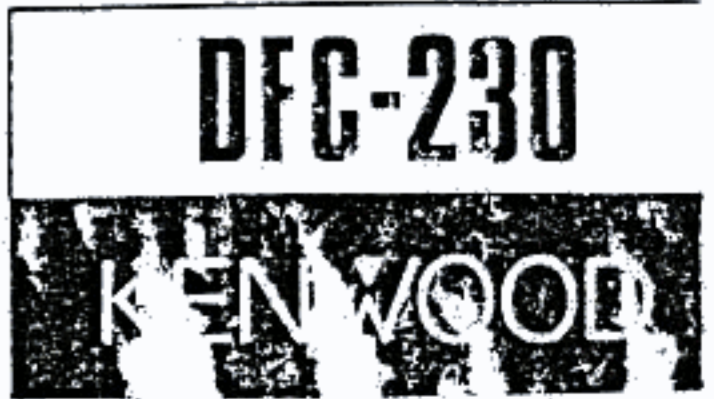
SPECIFICATIONS

- Oscillation frequency..... 5.40 ~ 6.10 MHz
- Output voltage..... 0.2V
- Frequency stability.... 1 x 10⁻⁵ at room temp.
3 x 10⁻⁵ at 0 ~ 50°C
- Power requirement ... DC 9V 30 mA
(Supplied from transceiver) DC 13.8V 380 mA
DC 13.8V 10 mA (Memory backup)
- Semiconductor used CPU 1
IC 31
Transistors 47
Diodes..... 64
- Dimensions 147(148)W
51(51)H
166(175)D mm
(Figures in () include projections.)
- Weight Approx. 1.3 kg

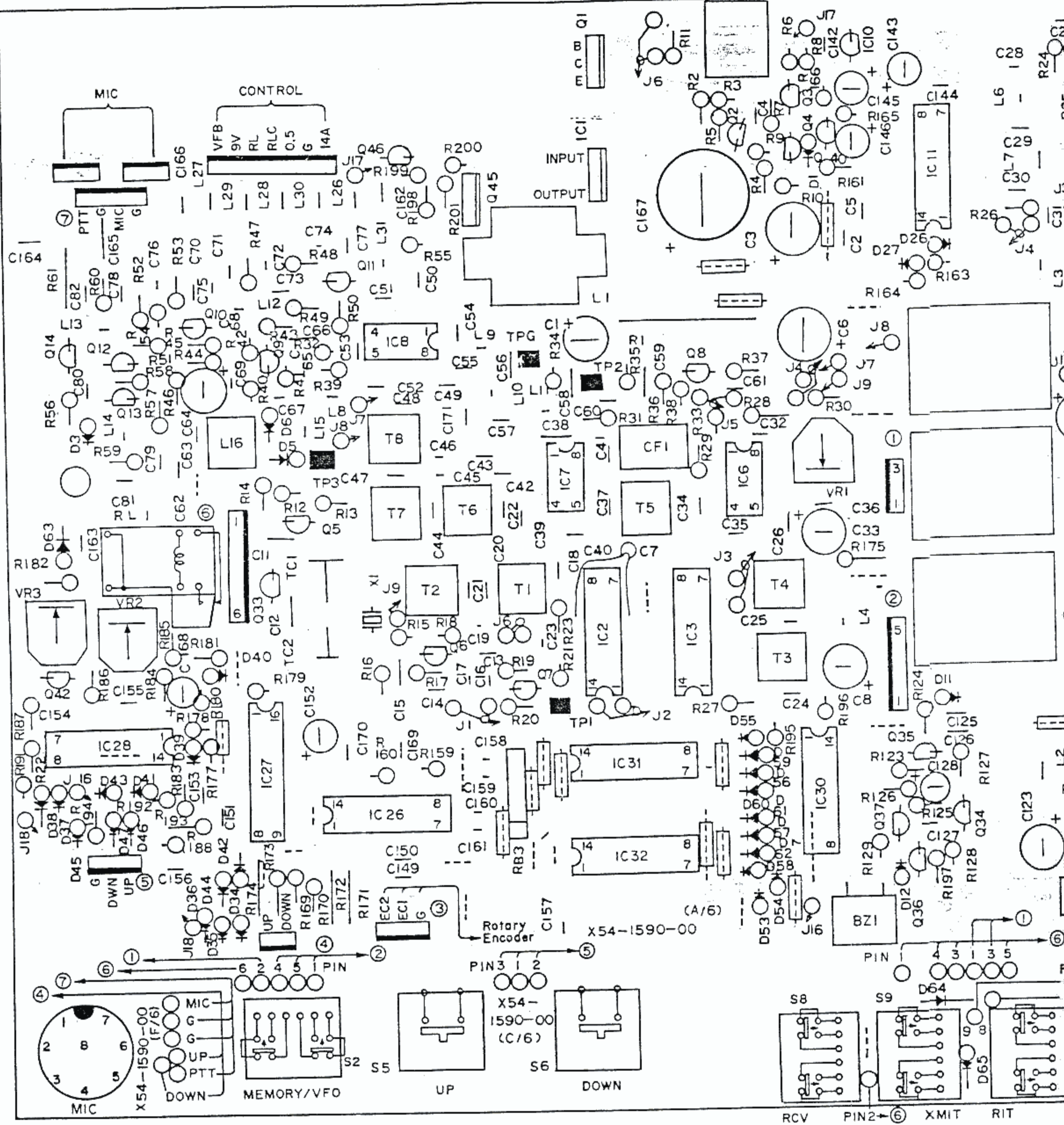
Q38 ~ 44, 46: 2SC1815(Y) Q13, 14: 2SC1959(Y) Q15 ~ 17, 24 ~ 26: 2SC1775(E)
 Q18: SN16913P IC9, 18: TC5081P IC10: NJM78L05A IC11, 22, 24, 25, 28 ~ 32: TC4011BP
 4569B IC16: SN74LS247N IC17: TC9122P IC19: µPC1037H IC23, 27: TC4049BP
 D3: IS1587 D5 ~ 8: ISV54GC D9: WZ-061 D13: LN543GA D14 ~ 16: LN433YP



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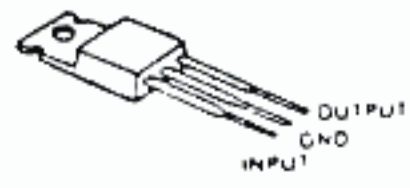
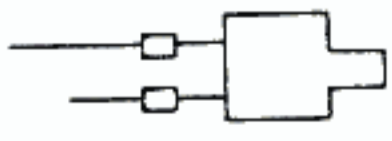
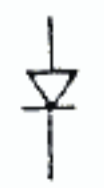
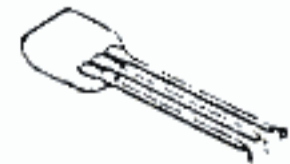
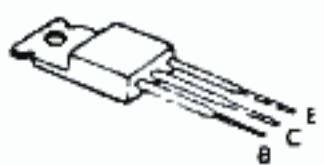
2SA473

2SA1015 2SC1775
2SC1815 2SC1959

μPC1037H

LN433

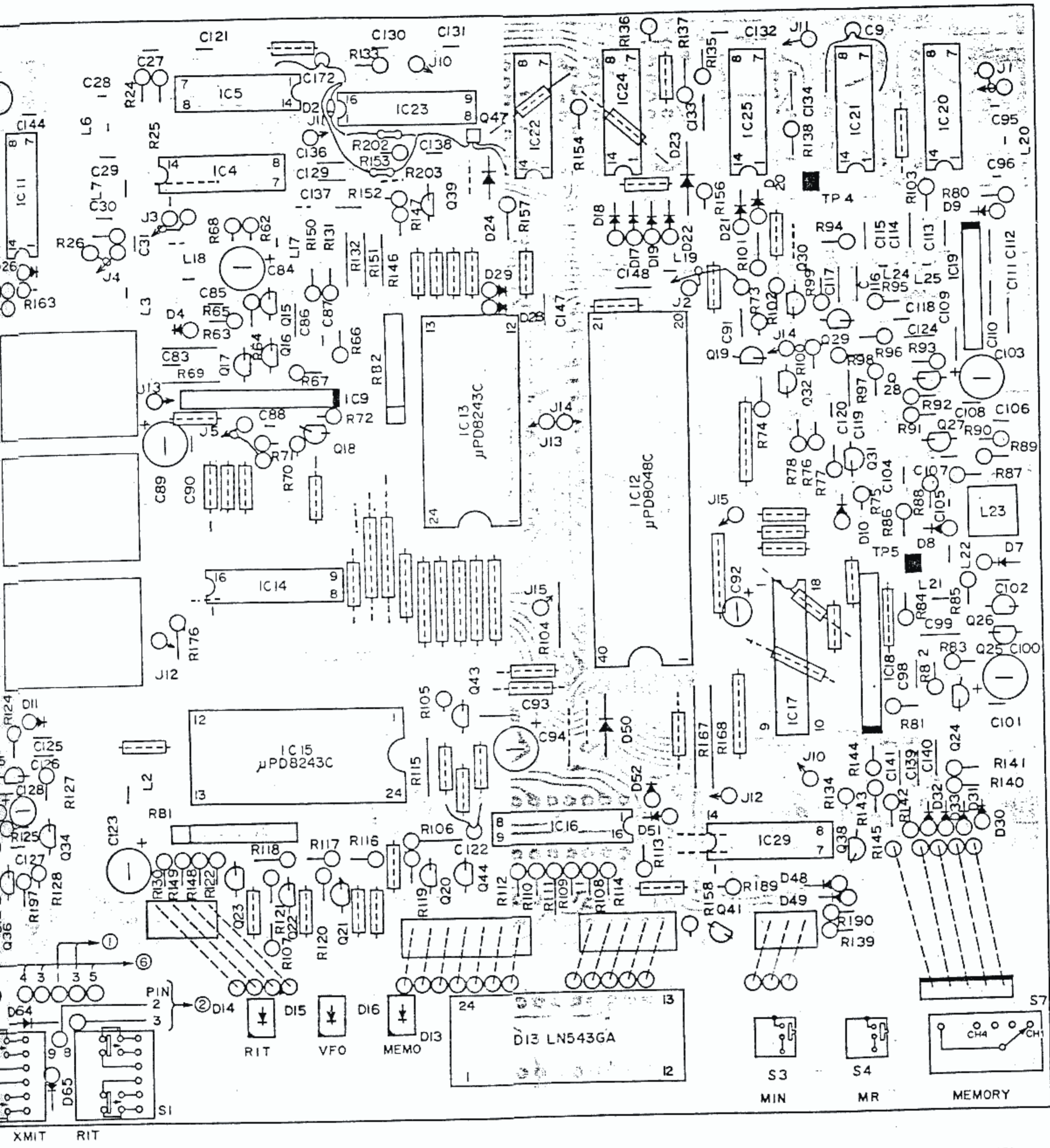
μPC14305H



Q1
IC1
IC2
IC3
D1

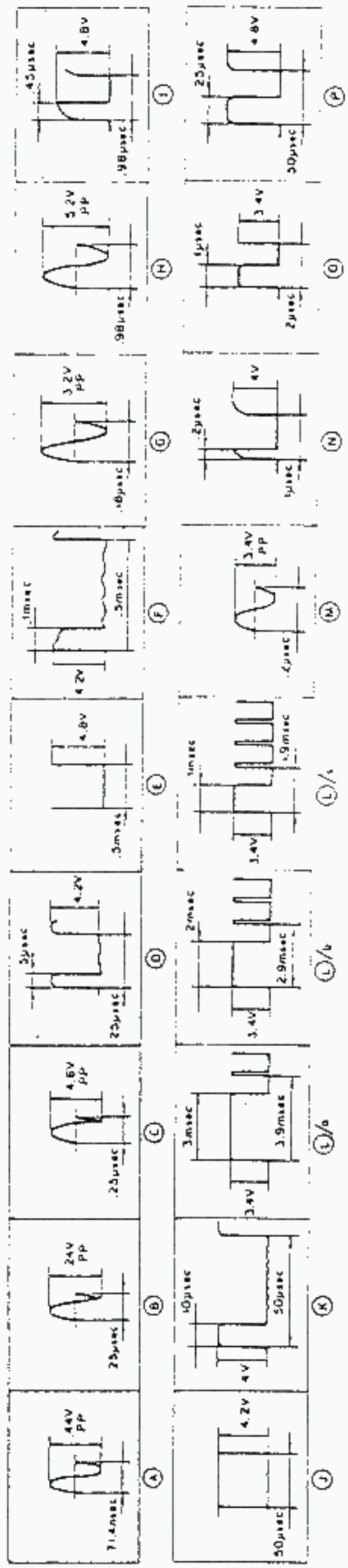
BOARD VIEW (COMPONENT SIDE)

A



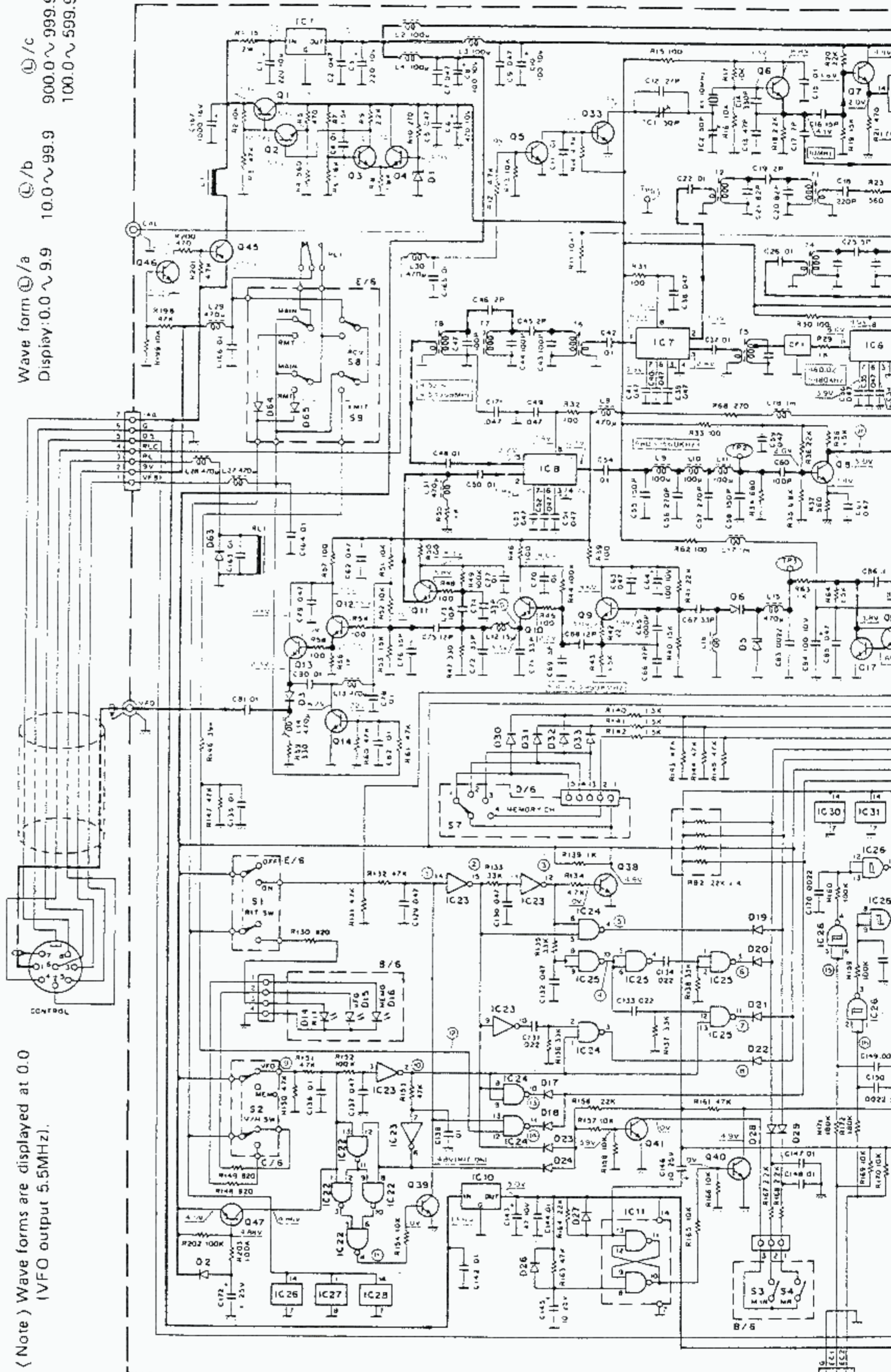
Oscillat
freque
Output
Freque
Power
(Suppl
transce
Semic
used
Dimen
Weigh

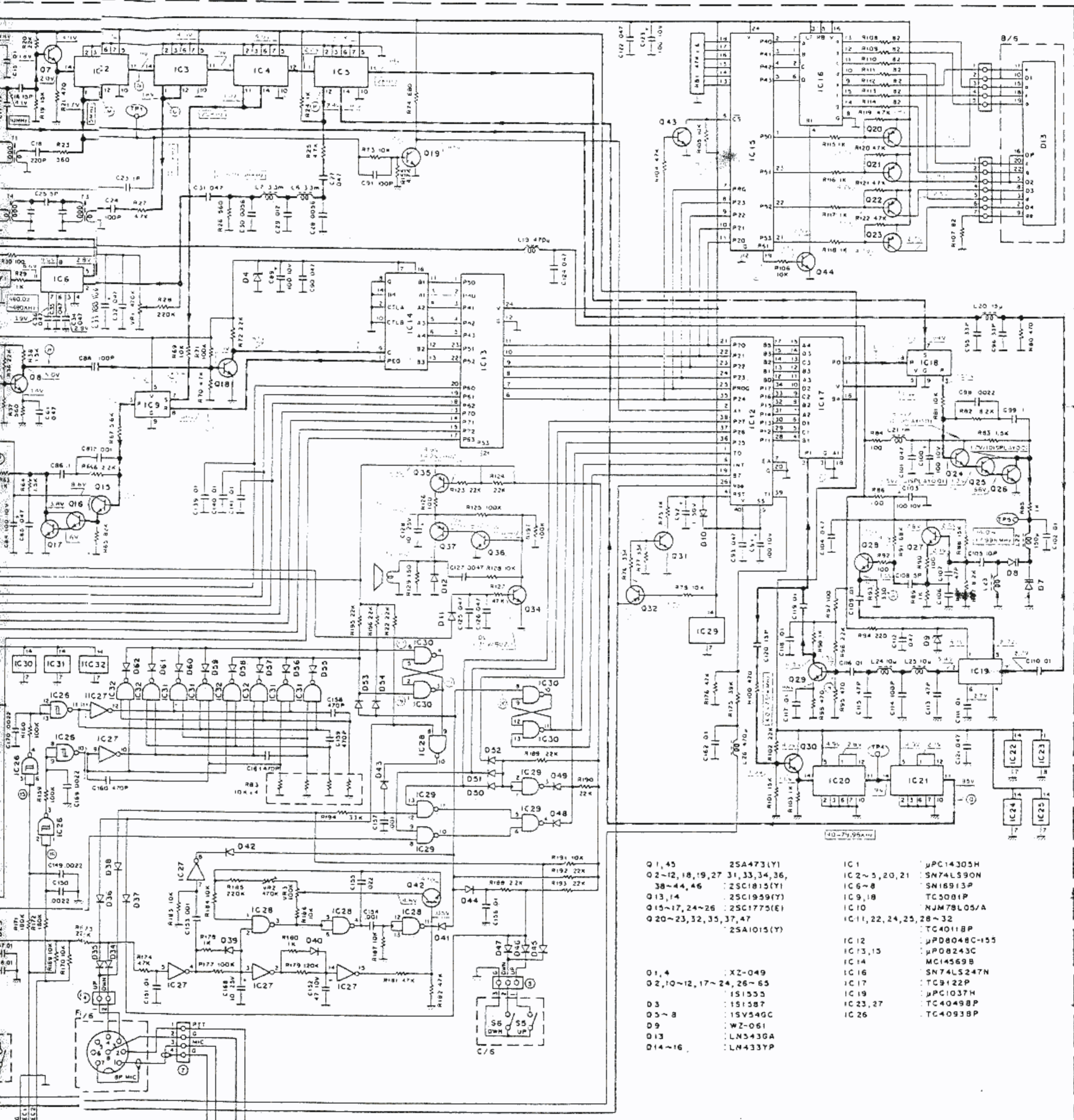
- Q1,45: 2SA473(Y) Q2 ~ 12,18,19,27 ~ 31,33,34,36,38 ~ 44,46: 2SC1815(Y) Q13,14: 2SC1959(Y) Q15 ~ 17,24 ~ 26: 2SC1775(E)
 Q20 ~ 23,32,35,37,47: 2SA1015(Y)
 IC1: µPC14305H IC2 ~ 5,20,21: SN74LS90N IC6 ~ 8: SN16913P IC9,18: TC5081P IC10: NJM78L05A IC11,22,24,25,28 ~ 32: TC4011BP
 IC12: µPD8048C-155 IC13,15: µPD8243C IC14: MC14569B IC16: SN74LS247N IC17: TC9122P IC19: µPC1037H IC23,27: TC4049BP
 IC26: TC4093BP
 D1,4: XZ-049 D2,10 ~ 12,17 ~ 24,26 ~ 65: IS1555 D3: IS1587 D5 ~ 8: ISV54GC D9: WZ-061 D13: LN543GA D14 ~ 16: LN433YP



(Note) Wave forms are displayed at 0.0 (VFO output 5.5MHz).

Wave form a/a b/b c/c
 Display: $0.0 \sim 9.9$ $10.0 \sim 99.9$ $900.0 \sim 999.9$
 $100.0 \sim 599.9$





- | | | | |
|--|------------|-------------------------|--------------|
| Q1, 45 | 2SA473(Y) | IC1 | μPC14305H |
| Q2-12, 18, 19, 27, 31, 33, 34, 36, 38-44, 46 | 2SC1815(Y) | IC2~5, 20, 21 | SN74LS90N |
| Q13, 14 | 2SC1959(Y) | IC6~8 | SN16913P |
| Q15-17, 24-26 | 2SC1775(E) | IC9, 18 | TC5081P |
| Q20-23, 32, 35, 37, 47 | 2SA1015(Y) | IC10 | NJM78L05/A |
| | | IC11, 22, 24, 25, 28~32 | TC4011BP |
| | | IC12 | μP08048C-155 |
| | | IC13, 15 | μP08243C |
| | | IC14 | MC14569B |
| | | IC16 | SN74LS247N |
| | | IC17 | TC9122P |
| | | IC19 | μPC1037H |
| | | IC23, 27 | TC40498P |
| | | IC26 | TC4093BP |
| O1, 4 | XZ-049 | | |
| O2, 10-12, 17-24, 26-65 | 151555 | | |
| O3 | 151587 | | |
| O5~8 | 15V546C | | |
| O9 | WZ-061 | | |
| O13 | LN5430A | | |
| O14~16 | LN433YP | | |

DIGITAL UNIT (X54-1590-00)

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