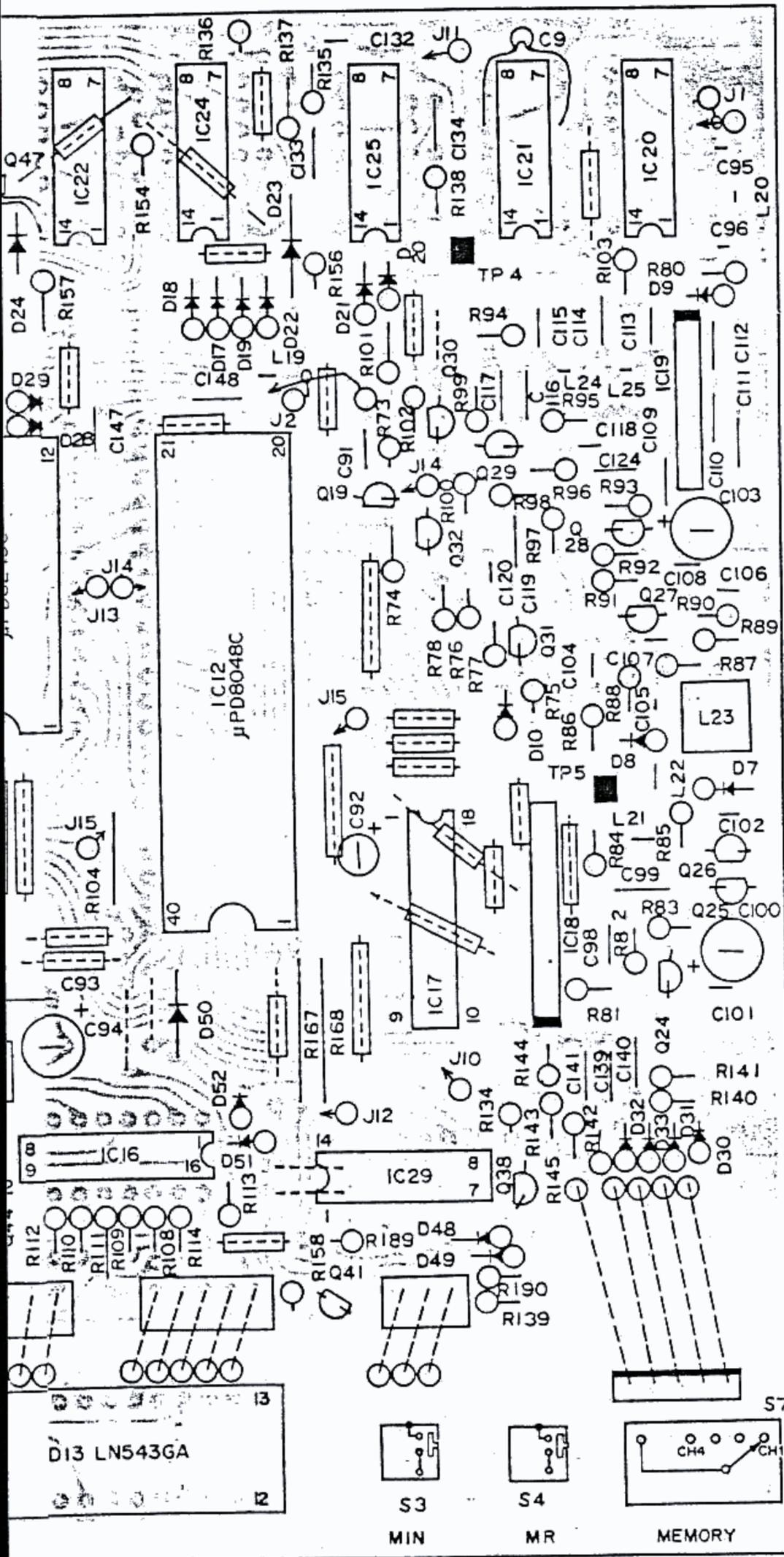


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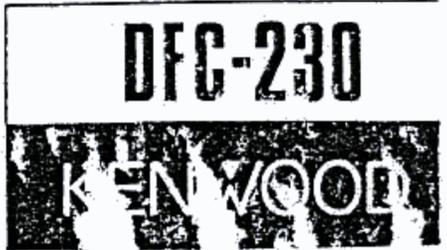
### SPECIFICATIONS

Oscillation frequency.....	5.40 ~ 6.10 MHz
Output voltage.....	0.2V
Frequency stability....	1 × 10 <sup>-5</sup> at room temp. 3 × 10 <sup>-5</sup> 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

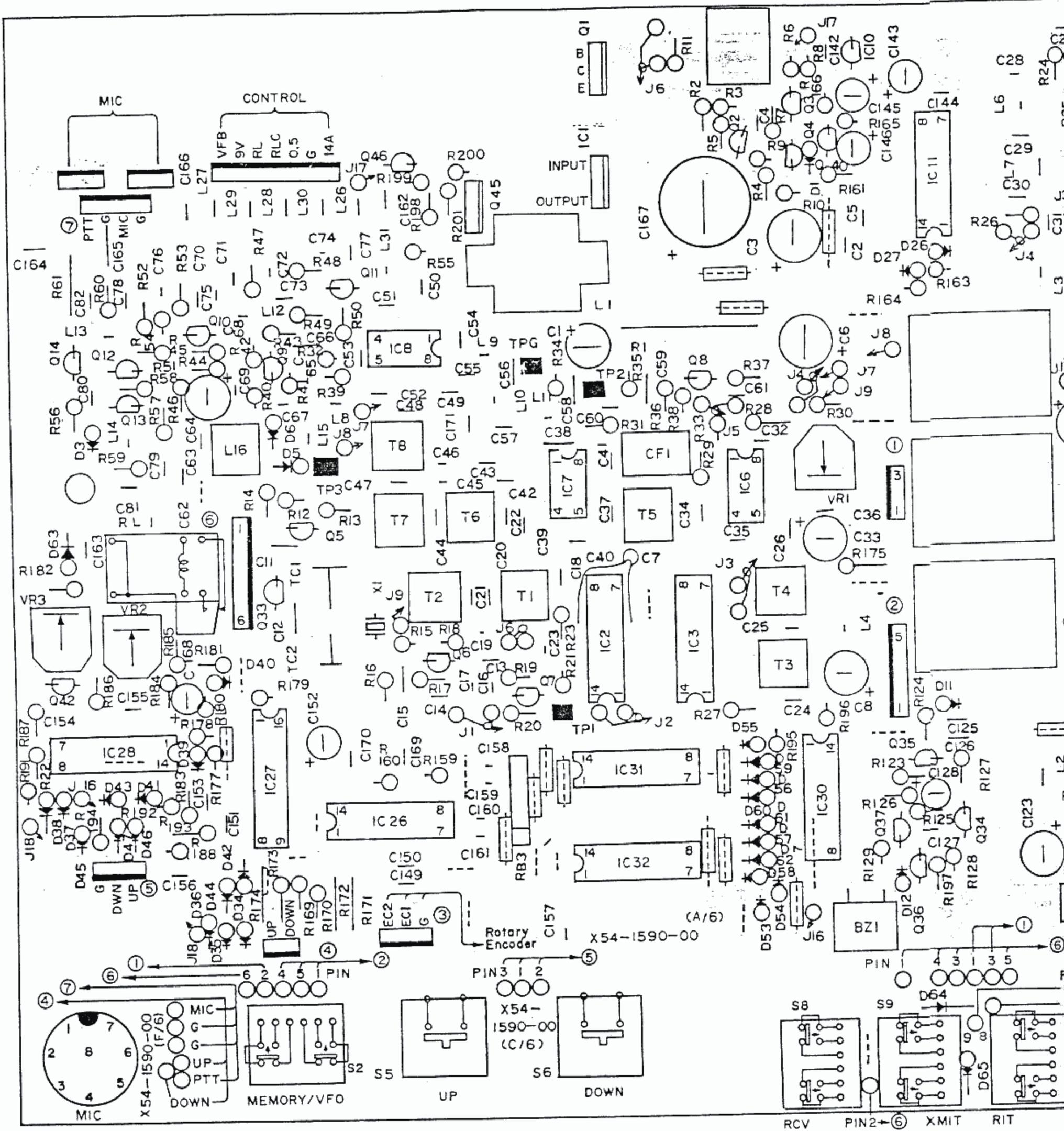
Q38 ~ 44, 46: 2SC1815(Y) Q13, 14: 2SC1959(Y) Q15 ~ 17, 24 ~ 26: 2SC1775(E)  
 Q8: SN16913P IC9, 18: TC5081P IC10: NJM78L05A IC11, 22, 24, 25, 28 ~ 32: TC4011BP  
 4569B IC16: SN74LS247N IC17: TC9122P IC19: µPC1037H IC23, 27: TC4049BP  
 D3: IS1587 D5 ~ 8: ISV54GC D9: WZ-061 D13: LN543GA D14 ~ 16: LN433YP



**SCHEMATHEEK**  
 Beh. T. Hultermans  
 Postbus 4228  
 5604 EE Eindhoven



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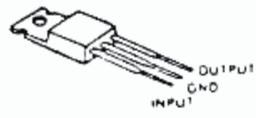
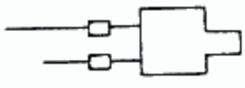
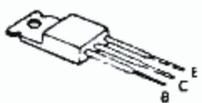
2SA473

2SA1015 2SC1775  
2SC1815 2SC1959

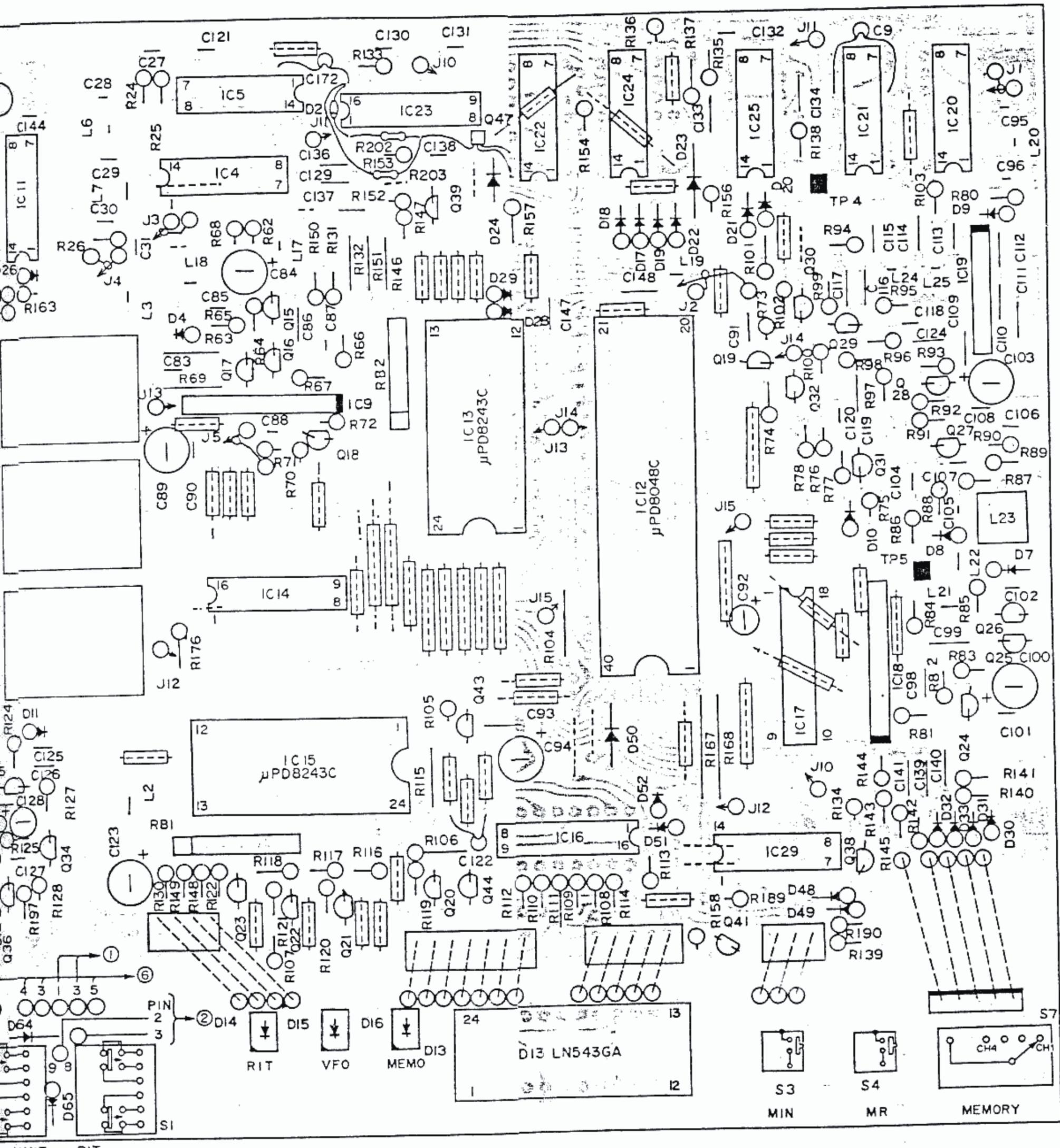
μPC1037H

LN433

μPC14305H



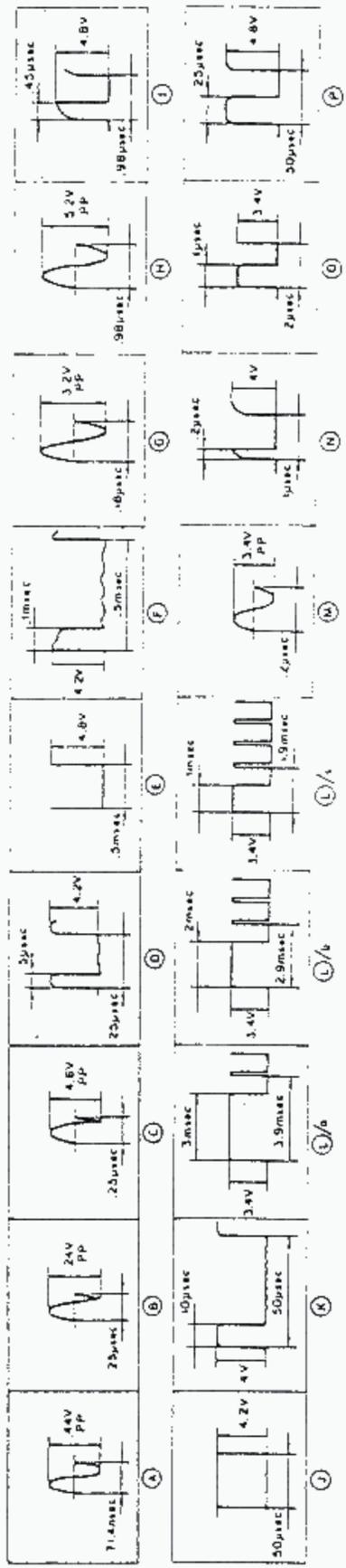
Q1  
IC1  
IC2  
IC3  
D1



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

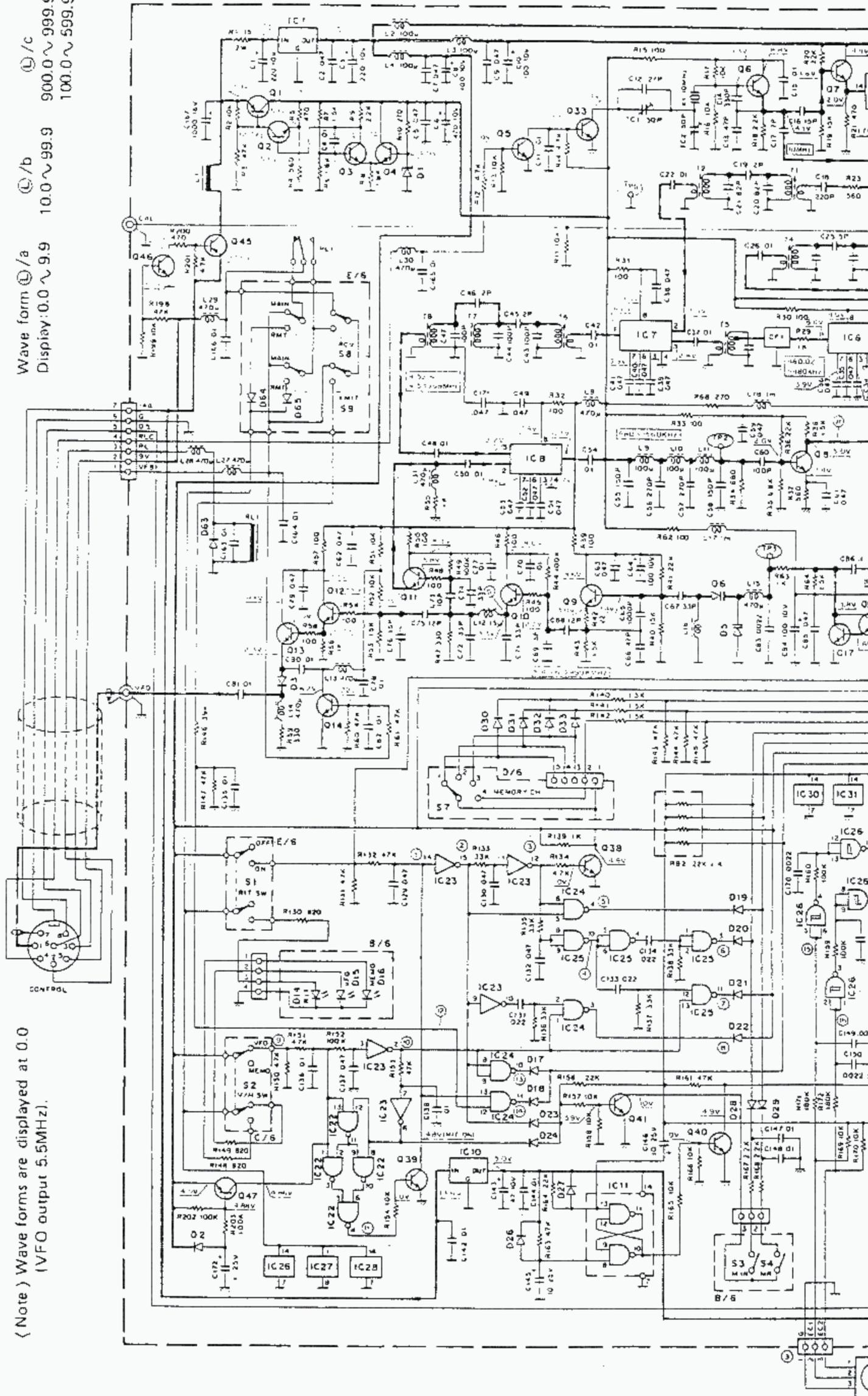
- Q1,45: 2SA473(Y) Q2 ~ 12,18,19,27 ~ 31,33,34,36,38 ~ 44,46: 2SC1815(Y) Q13,14: 2SC1959(Y) Q15 ~ 17,24 ~ 26: 2SC1775(E)  
 Q20 ~ 23,32,35,37,47: 2SA1015(Y)  
 IC1: µPC14305H IC2 ~ 5,20,21: SN74LS90N IC6 ~ 8: SN16913P IC9,18: TC5081P IC10: NJM78L05A IC11,22,24,25,28 ~ 32: TC4011BP  
 IC12: µPD8048C-155 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

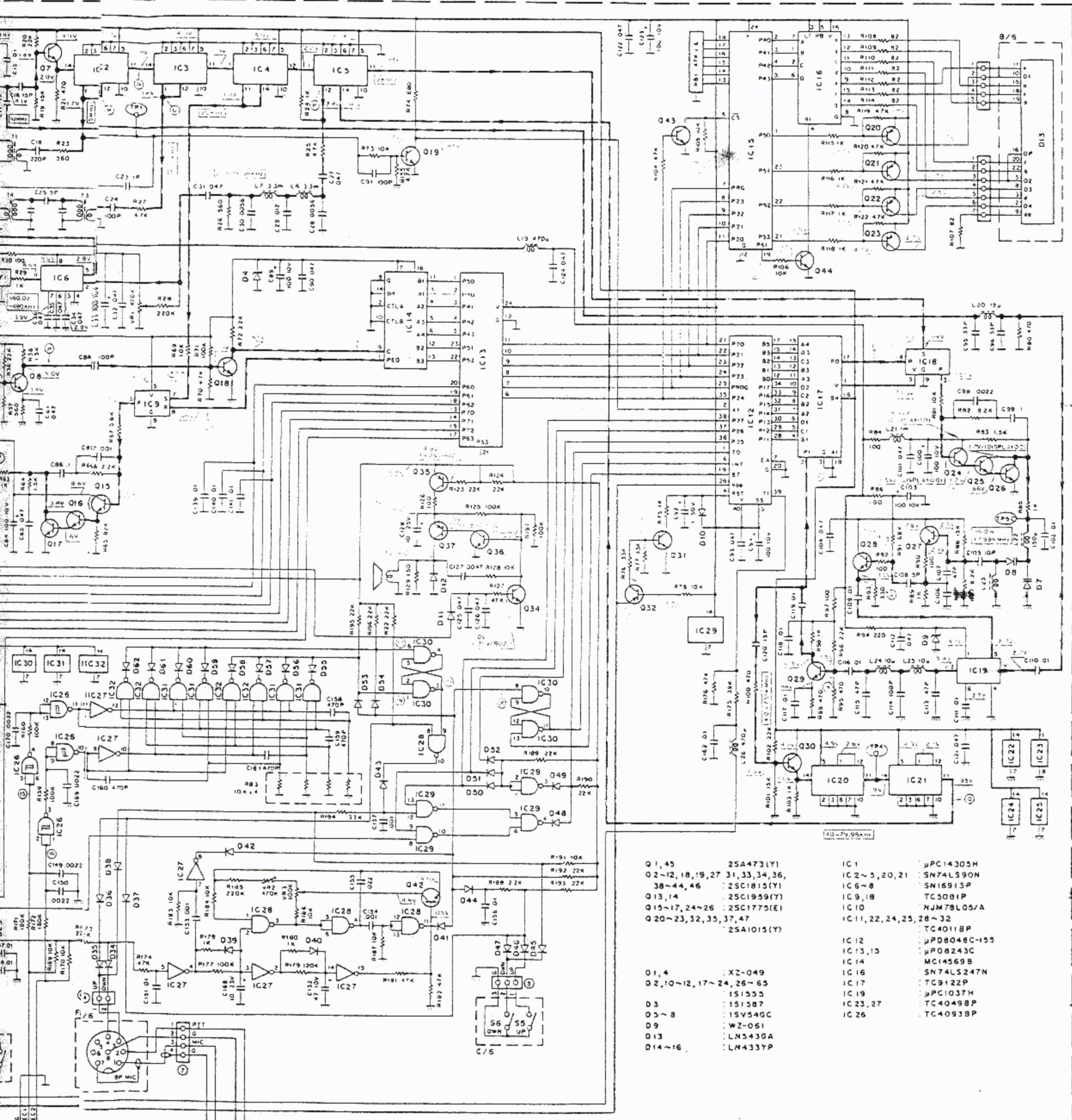
1 2 3 4 5 6



Wave form @/a @/b @/c  
 Display: 0.0 ~ 9.9 10.0 ~ 99.9 900.0 ~ 999.9  
 100.0 ~ 599.9

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





- |  |            |                         |              |
|--|------------|-------------------------|--------------|
| 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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