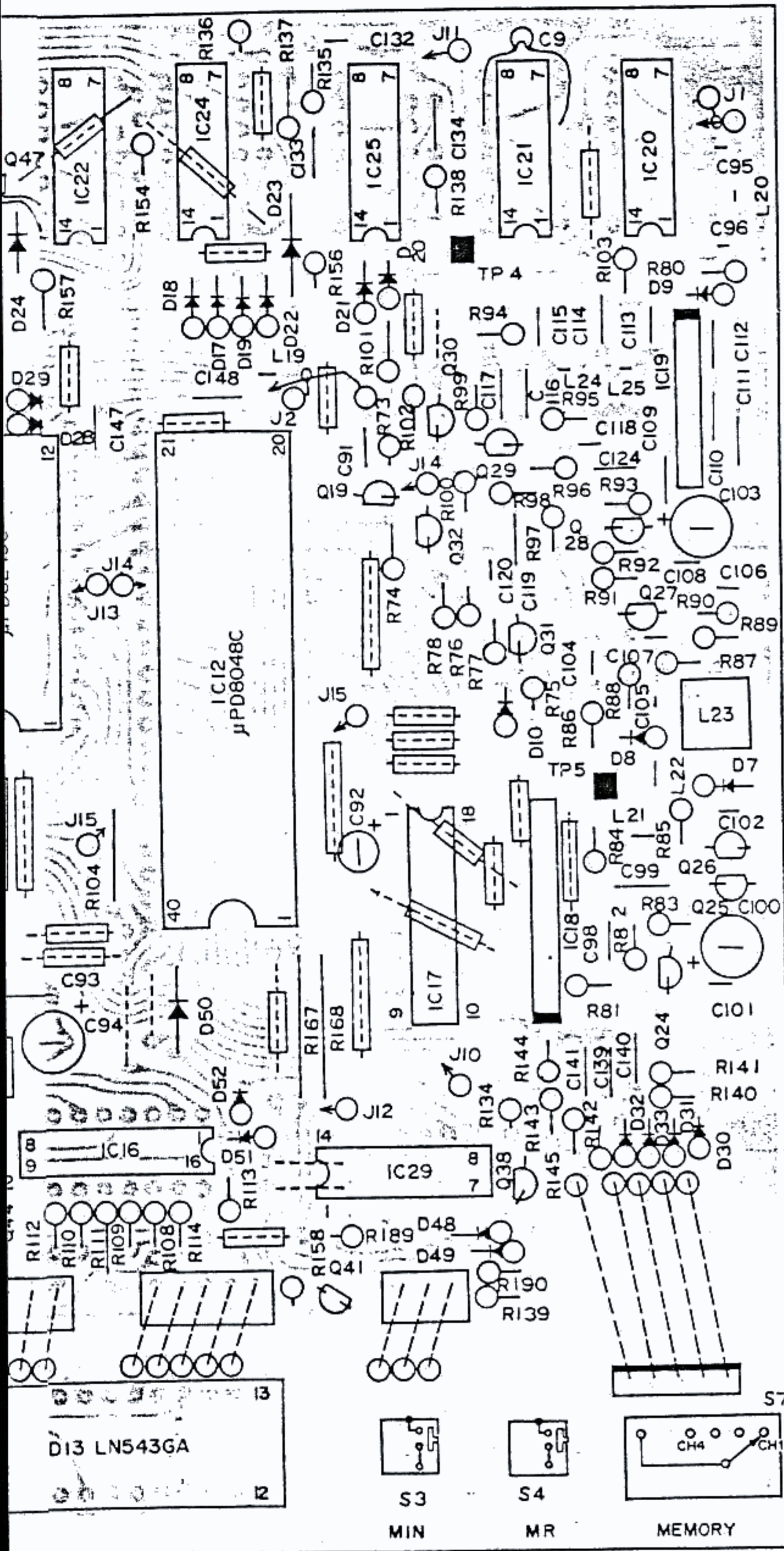


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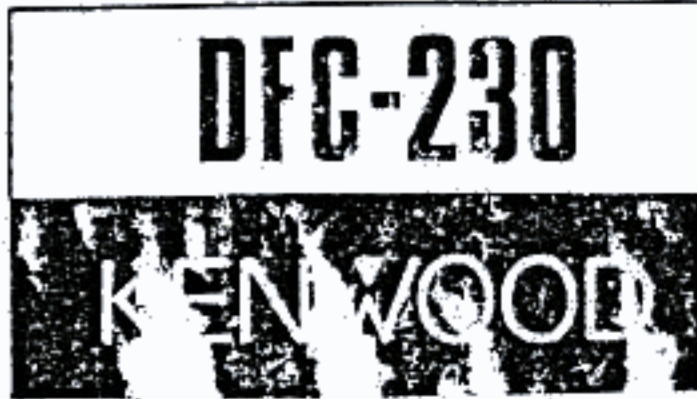


## SPECIFICATIONS

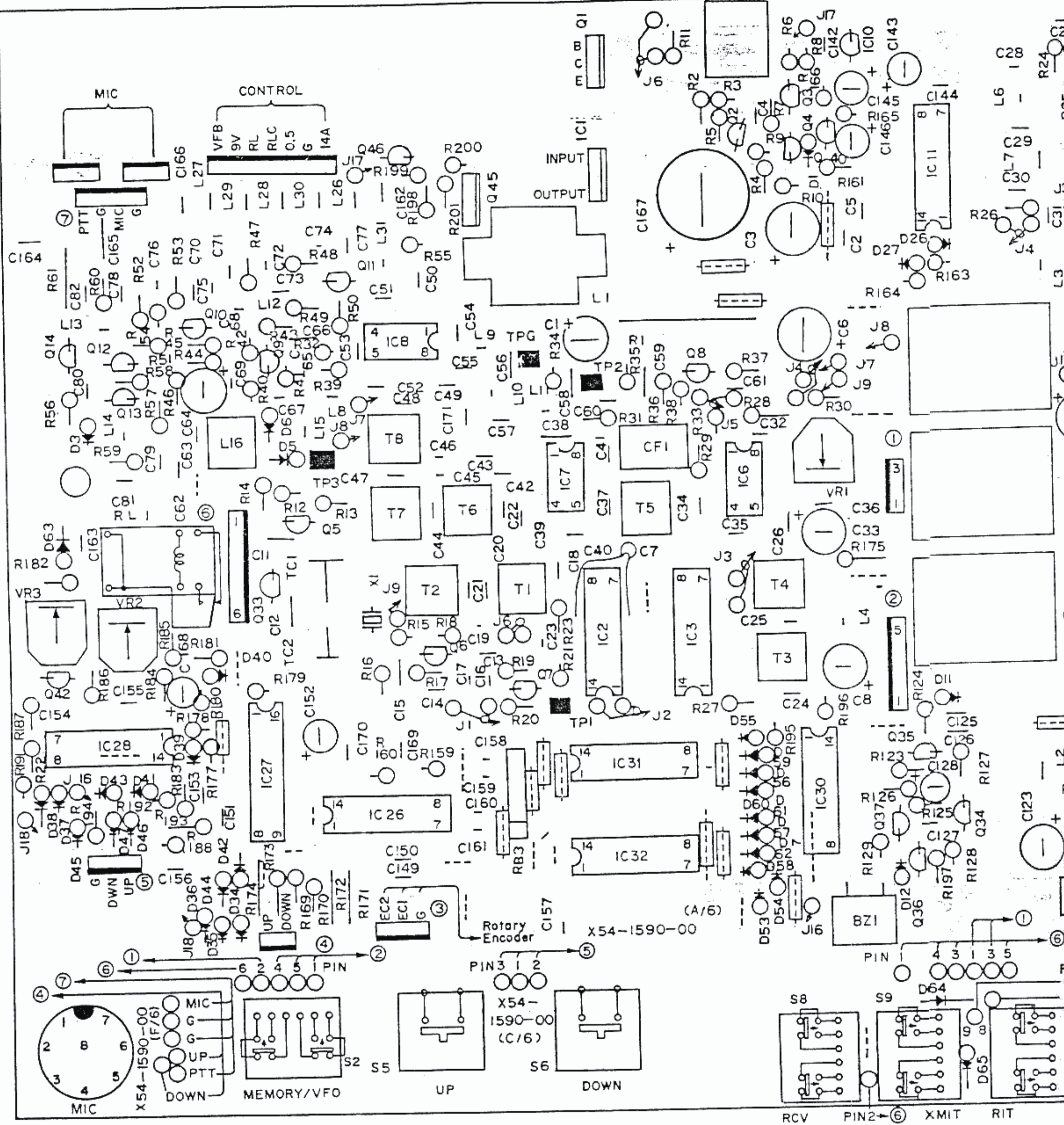
Oscillation frequency.....	5.40 ~ 6.10 MHz
Output voltage.....	0.2V
Frequency stability....	1 × 10 <sup>-5</sup> at room temp. 3 × 10 <sup>-5</sup> at 0 ~ 50°C
Power requirement ...	DC 9V 30 mA (Supplied from DC 13.8V 380 mA transceiver) DC 13.8V 10 mA (Memory backup)
Semiconductor used .....	CPU..... 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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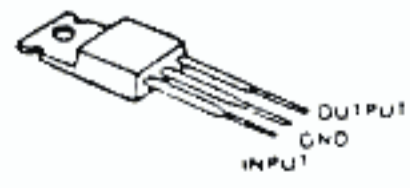
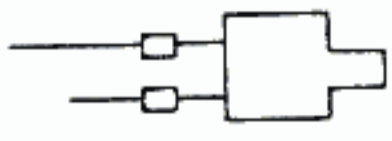
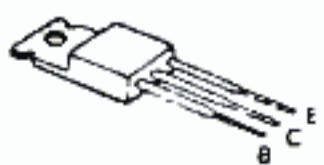
2SA473

2SA1015 2SC1775  
2SC1815 2SC1959

μPC1037H

LN433

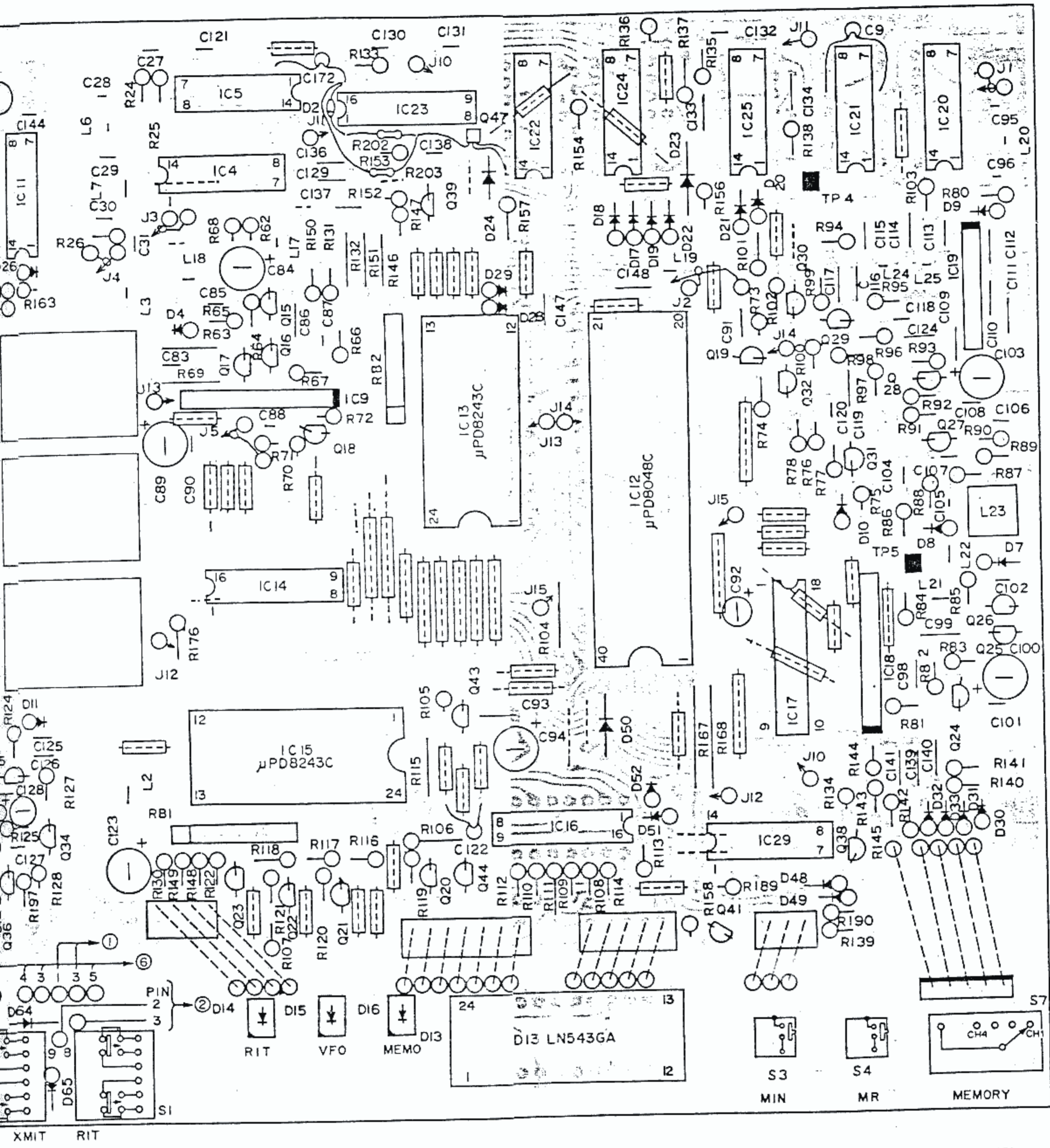
μPC14305H



Q1  
IC1  
IC2  
IC3  
D1

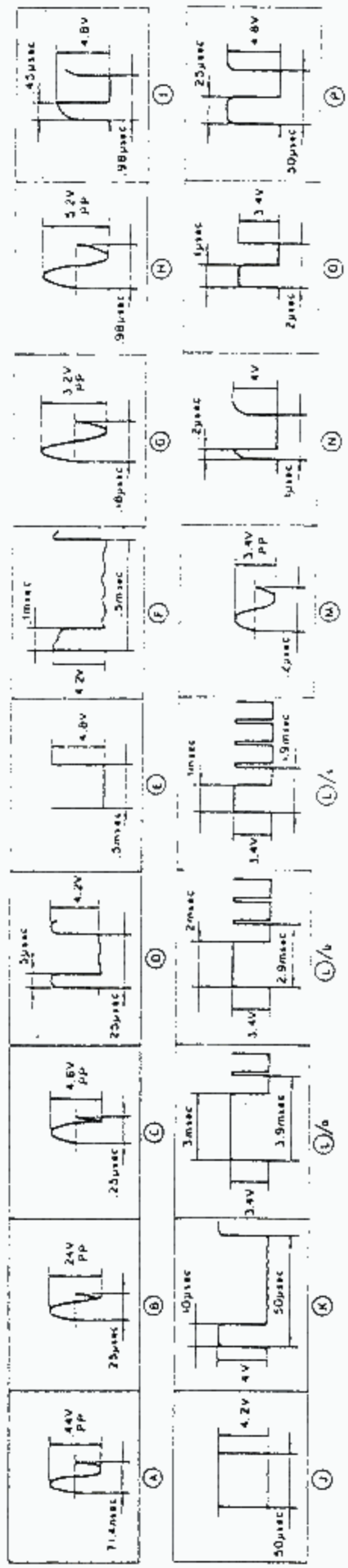
# BOARD VIEW (COMPONENT SIDE)

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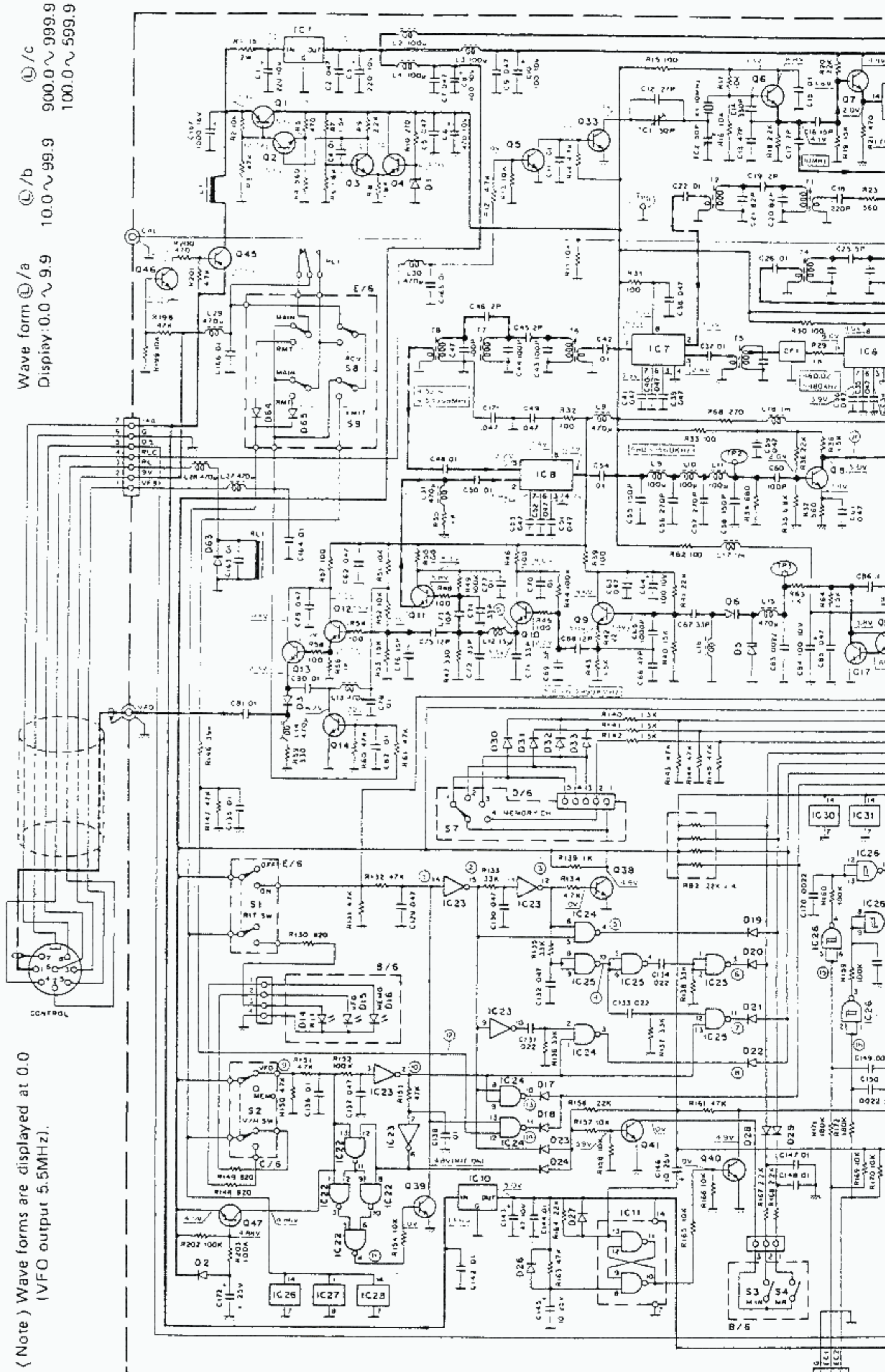
Oscillat  
freque  
Output  
Freque  
Power  
(Suppl  
transce  
Semic  
used  
Dimen  
Weigh

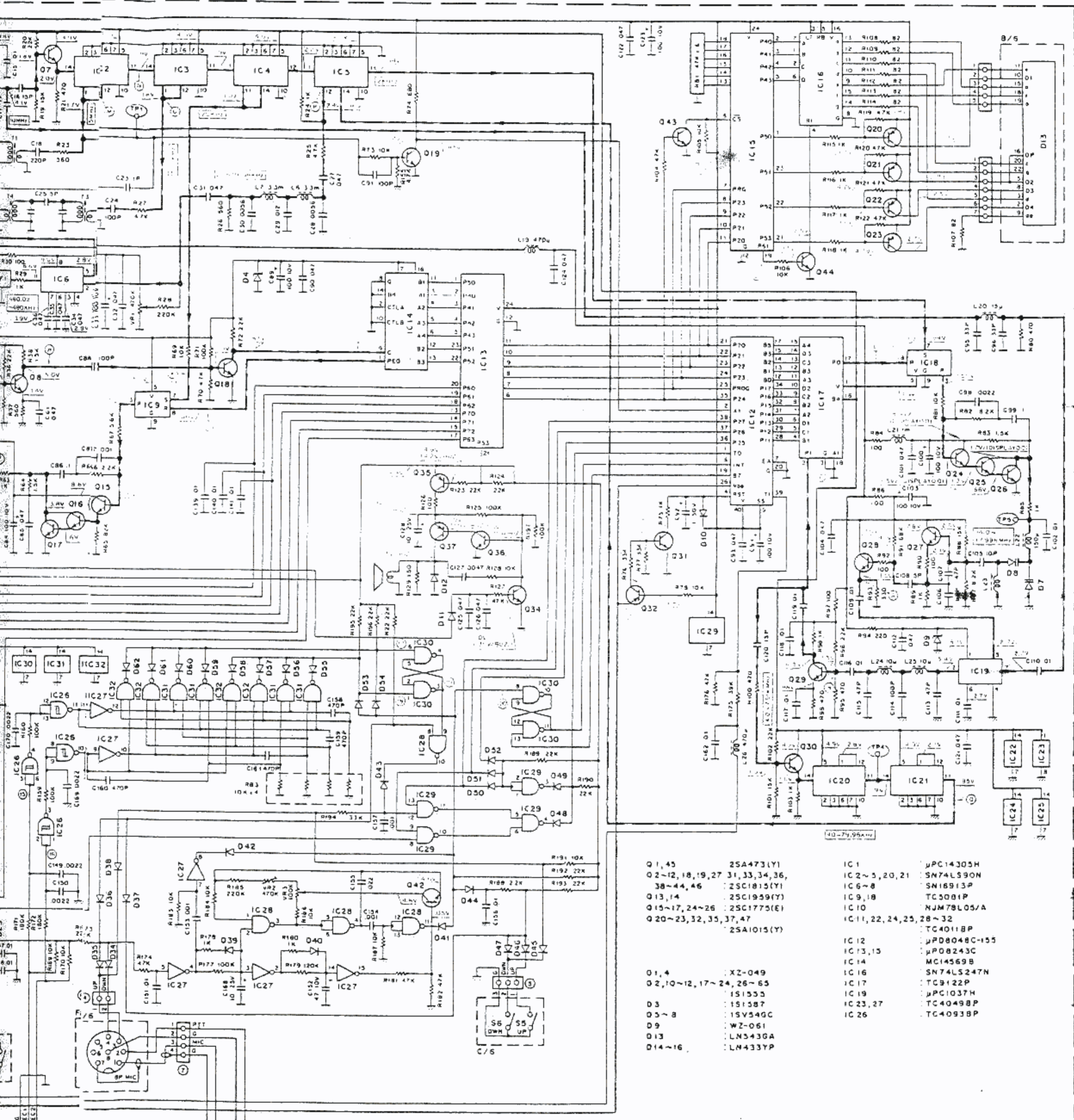
- Q1,45: 2SA473(Y) Q2 ~ 12,18,19,27 ~ 31,33,34,36,38 ~ 44,46: 2SC1815(Y) Q13,14: 2SC1959(Y) Q15 ~ 17,24 ~ 26: 2SC1775(E)  
 Q20 ~ 23,32,35,37,47: 2SA1015(Y)  
 IC1: μPC14305H IC2 ~ 5,20,21: SN74LS90N IC6 ~ 8: SN16913P IC9,18: TC5081P IC10: NJM78L05A IC11,22,24,25,28 ~ 32: TC4011BP  
 IC12: μPD8048C-155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



Wave form  $\text{a/a}$   $\text{b/b}$   $\text{c/c}$   
 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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