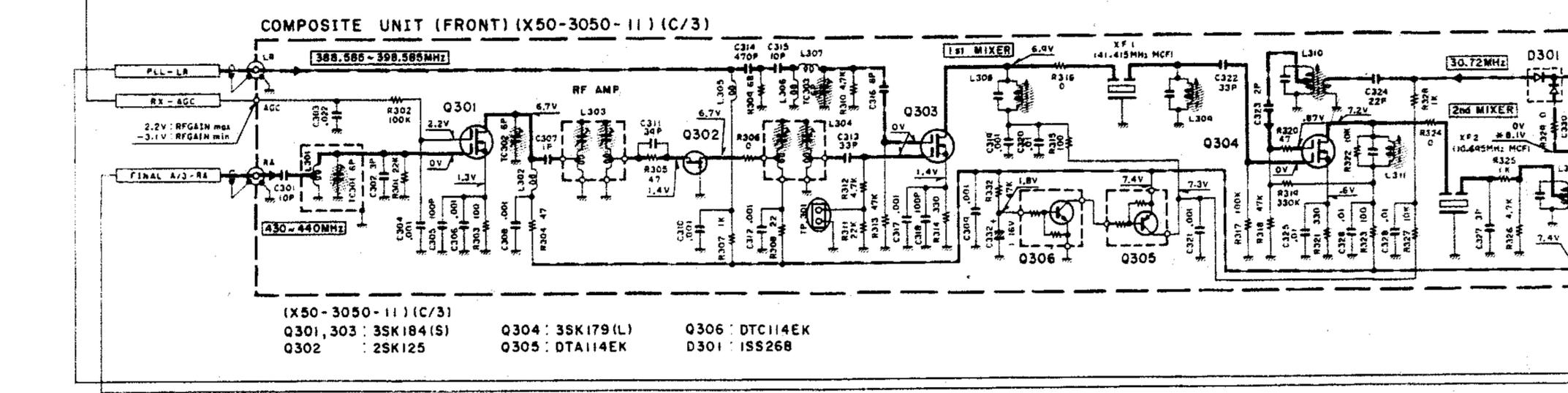
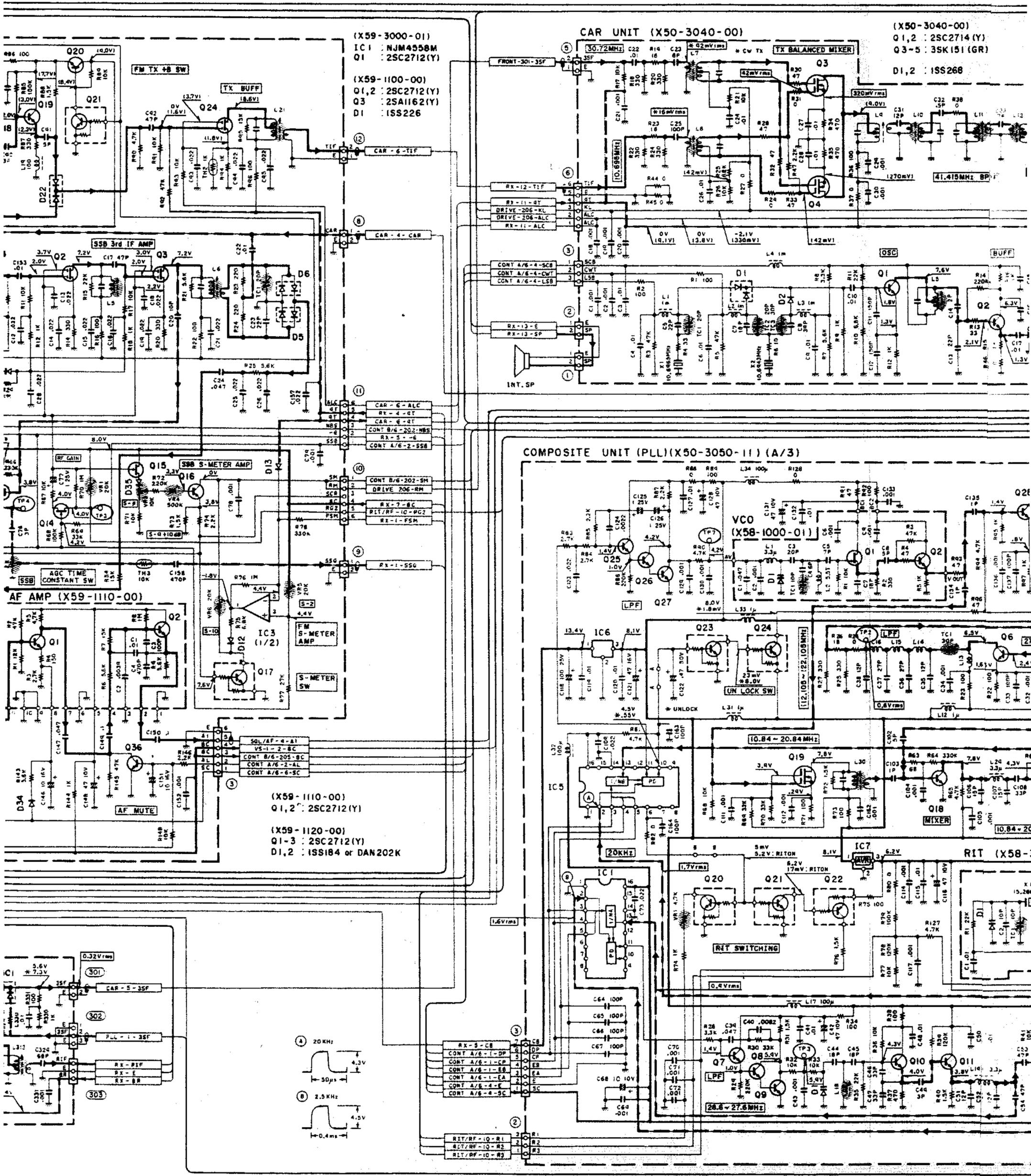


- (X60-1320-01)
- IC 1 : TA7302P
 - IC 2 : TA7761P
 - IC 3 : NJM4558C
 - IC 4 : AN612
 - IC 5 : μPC78M08H
- Q1, 2, 3, 24 : 3SK73(GR)
 - Q4 : 2SK125
 - Q5, 18, 19 : 2SK2714(Y)
 - Q6, 8, 9, 12, 13, 20, 31, 36 : 2SK2712(Y)
 - Q7, 11, 17, 21, 23, 28, 29, 35 : DTC114EK
 - Q10, 22 : DTA114EK
 - Q14, 15 : 2SK208(10)
 - Q16, 33 : 2SA1162(Y)
 - Q25 ~ 27 : 2SC3324(G, B)
 - Q30 : 2SA1115(E)
 - Q32 : 2SA1307(Y)
 - Q34 : 2SC3419(Y)
- D1, 24 : ISS272
 - D3, 4, 12 ~ 15, 17, 22 : 26, 33, 34 : ISS184
 - D5, 6, 32 : HSM88AS
 - D9, 18, 23 : 28, 31, 35 : ISS181
 - D10, 11 : ISS106
 - D16, 20 : ISS133
 - D19, 27 : ISS226
 - D21 : ISS220C
 - D29 : MTZ11JC
 - D30 : MTZ6.2JA



- (X50-3050-11) (C/3)
- Q301, 303 : 3SK184(S)
 - Q302 : 2SK125
 - Q304 : 3SK179(L)
 - Q305 : DTA114EK
 - Q306 : DTC114EK
 - D301 : ISS268

SCHEMATIC



(X59-3000-01)
 IC1 : NJM4558M
 Q1 : 2SC2712(Y)

(X59-1100-00)
 Q1,2 : 2SC2712(Y)
 Q3 : 2SA1162(Y)
 D1 : ISS226

CAR UNIT (X50-3040-00)

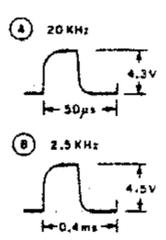
(X50-3040-00)
 Q1,2 : 2SC2714(Y)
 Q3-5 : 3SK151(GR)
 D1,2 : ISS266

COMPOSITE UNIT (PLL)(X50-3050-11) (A/3)

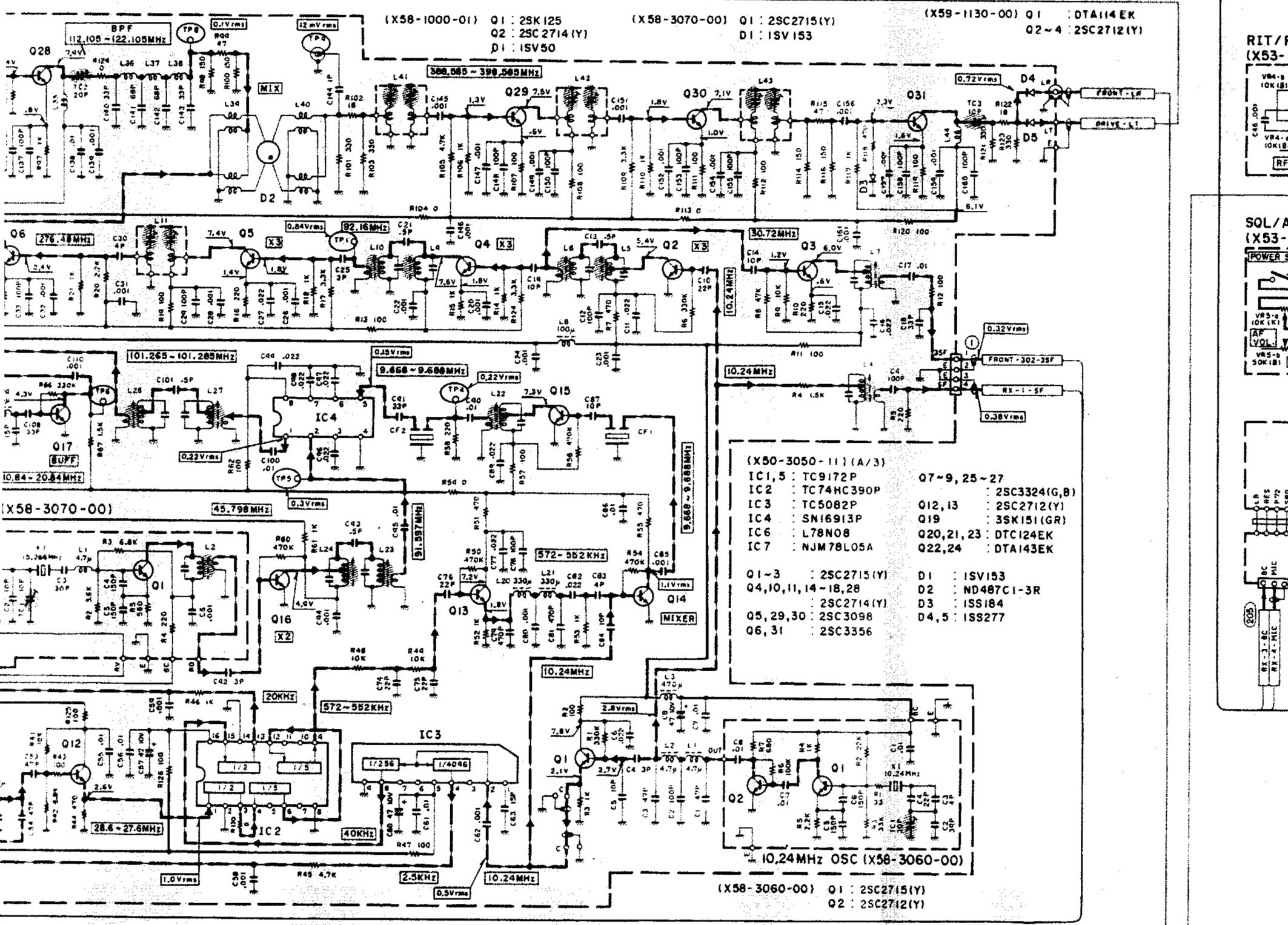
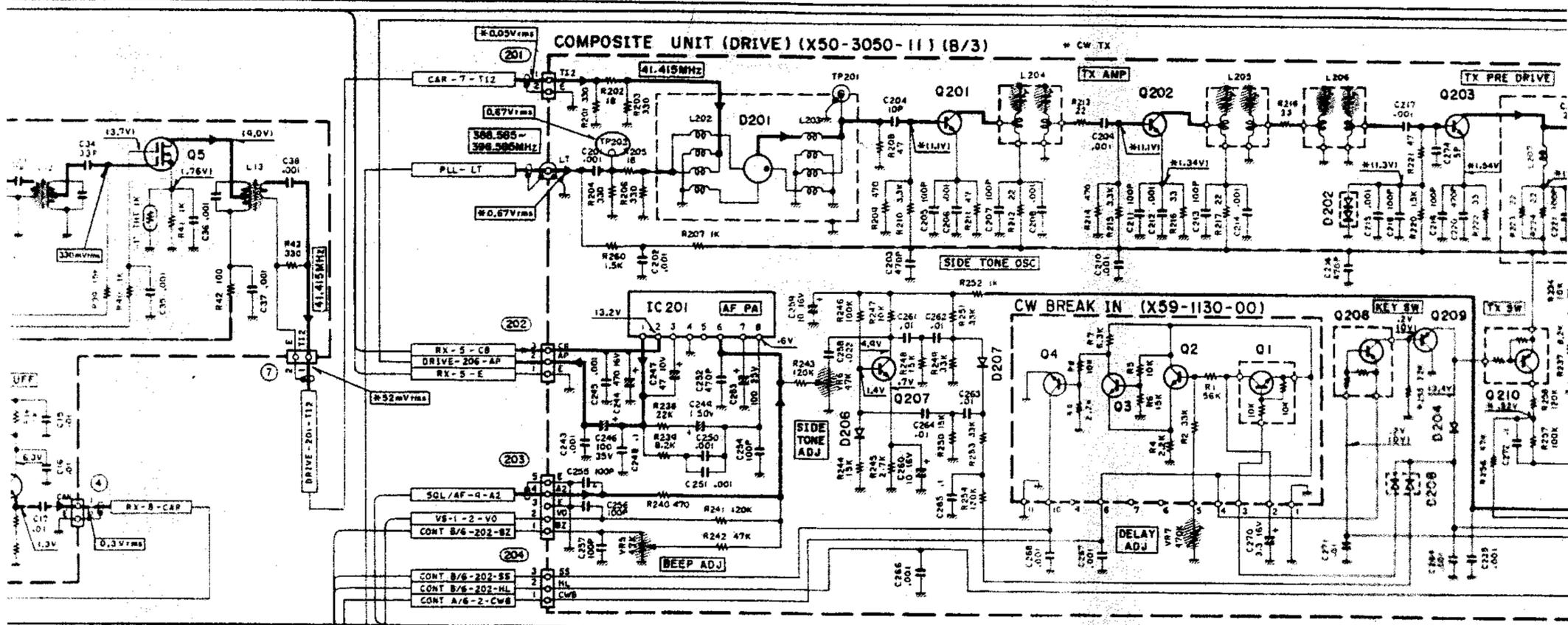
(X59-1110-00)
 Q1,2 : 2SC2712(Y)

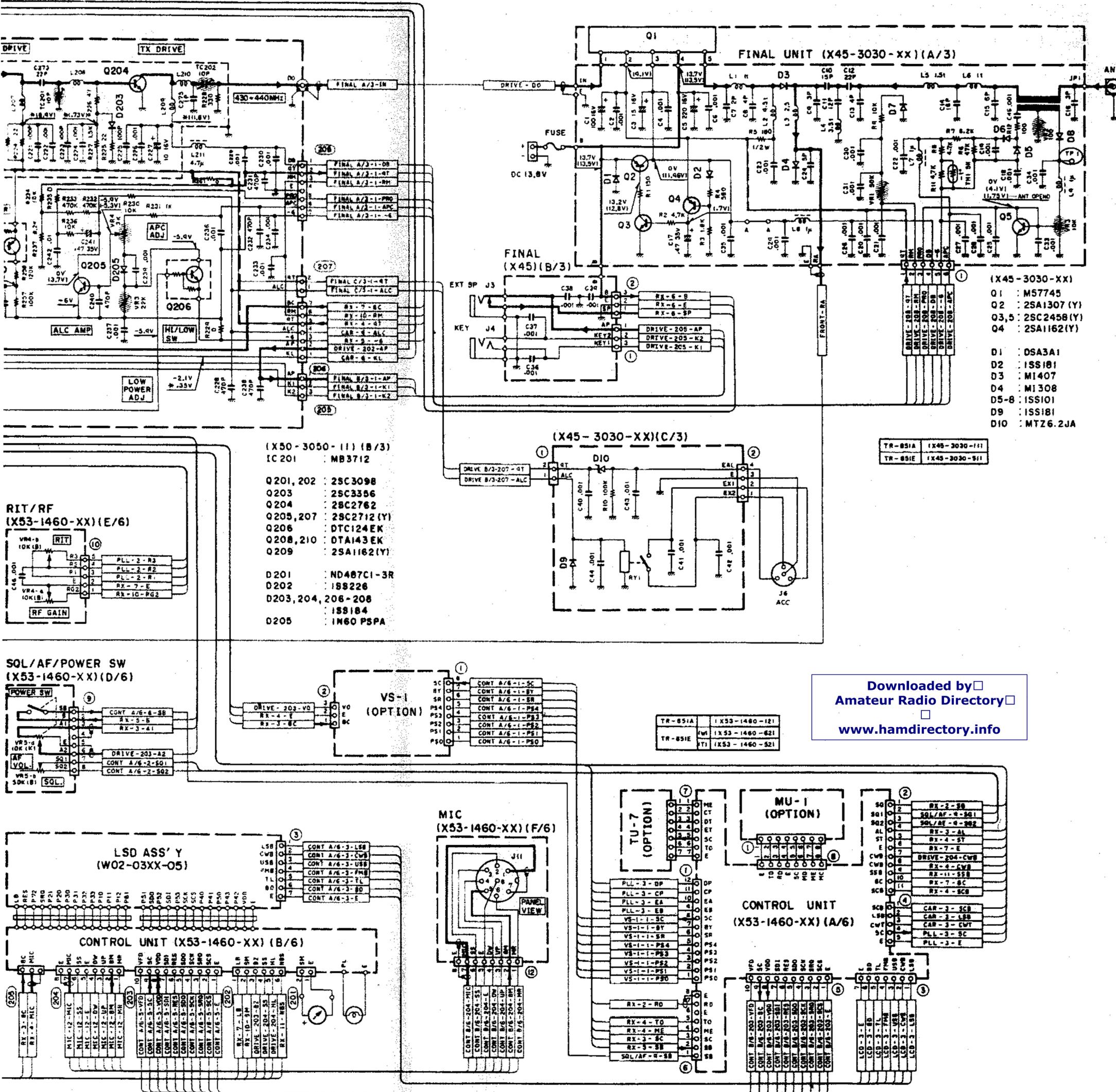
(X59-1120-00)
 Q1-3 : 2SC2712(Y)
 D1,2 : ISS184 or DAN202K

RIT (X58-3000-00)



TIC DIAGRAM





- (X50-3050-11) (B/3)
- IC 201 : MB3712
- Q201, 202 : 2SC3098
- Q203 : 2SC3586
- Q204 : 2SC2762
- Q205, 207 : 2SC2712 (Y)
- Q206 : DTC124EK
- Q208, 210 : DTA143EK
- Q209 : 2SA1162(Y)
- D201 : ND487CI-3R
- D202 : 1SS226
- D203, 204, 206-208 : 1SS184
- D205 : 1N60 PSPA

- (X45-3030-XX)
- O1 : M57745
- Q2 : 2SA1307 (Y)
- Q3,5 : 2SC2458(Y)
- Q4 : 2SA1162(Y)
- D1 : DSA3A1
- D2 : 1SS181
- D3 : MI407
- D4 : MI308
- D5-8 : 1SS101
- D9 : 1SS181
- D10 : MTZ6.2JA

TR-851A	(X45-3030-11)
TR-851E	(X45-3030-91)

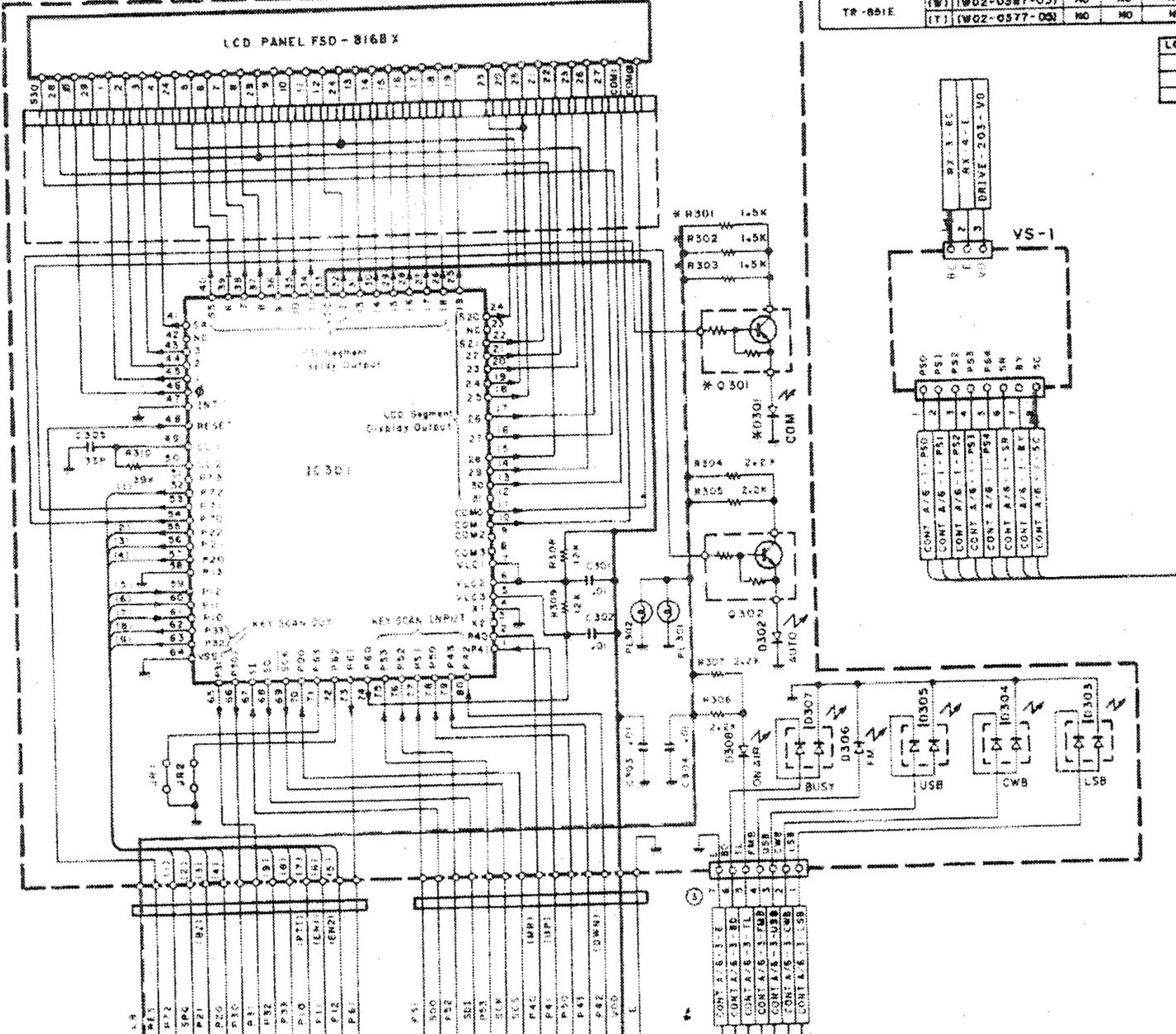
TR-851A	(X53-1460-121)
TR-851E	(X53-1460-821)
	(X53-1460-521)

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LCD ASS'Y (W02-03XX-05)

DESTINATION	NO.	D301	D301	R301-303	LCD ASS'Y
TR-891A	(W02-0376-05)	YES	YES	YES	B1688
TR-891E	(W02-0387-05)	NO	NO	NO	B1686
TR-891E	(T) (W02-0377-03)	NO	NO	NO	B1688

LCD SHIFTY PRINT	
-	-
D-A, B-B	-
-	-

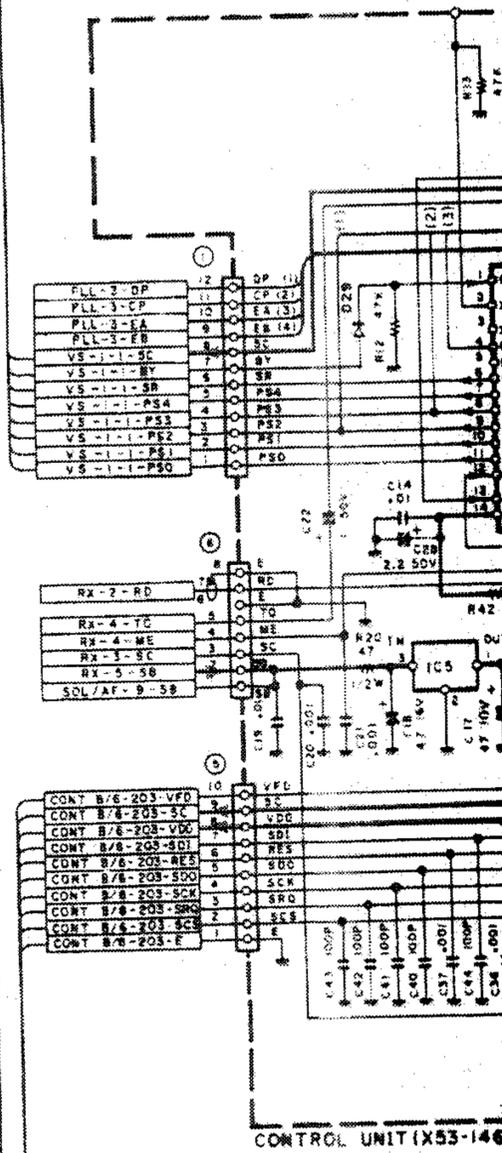


MU-1 (OPTION)

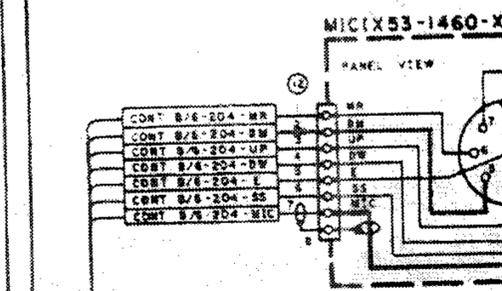
DESTINATION	NO.	B1	D3	D4	D5	D6
TR-851A	(X53-1460-12)	NO	YES	NO	NO	NO
TR-851C	(W) (X53-1460-62)	YES	NO	YES	YES	YES
TR-851C	(T) (X53-1460-52)	YES	NO	NO	NO	NO

B	C	D
NO	YES	NO
YES	NO	YES
YES	NO	YES

CONTROL UNIT (X53-1460-XX) (B/6)



CONTROL UNIT (X53-1460-XX)



MIC (X53-1460-XX)

DESTINATION	NO.	S203	S205
TR-851A	(X53-1460-12)	VOICE	COM
TR-851E	(W) (X53-1460-62)	VOICE	TONE
TR-851E	(T) (X53-1460-52)	VOICE	TONE

MIC	NO.	DRIVE	DRIVE
MIC 7A-13-BIC	13	DRIVE	DRIVE
MIC 7A-13-5C	13	DRIVE	DRIVE
MIC 7A-13-5D	13	DRIVE	DRIVE
MIC 7A-13-5E	13	DRIVE	DRIVE
MIC 7A-13-5F	13	DRIVE	DRIVE
MIC 7A-13-5G	13	DRIVE	DRIVE
MIC 7A-13-5H	13	DRIVE	DRIVE
MIC 7A-13-5I	13	DRIVE	DRIVE
MIC 7A-13-5J	13	DRIVE	DRIVE
MIC 7A-13-5K	13	DRIVE	DRIVE
MIC 7A-13-5L	13	DRIVE	DRIVE
MIC 7A-13-5M	13	DRIVE	DRIVE
MIC 7A-13-5N	13	DRIVE	DRIVE
MIC 7A-13-5O	13	DRIVE	DRIVE
MIC 7A-13-5P	13	DRIVE	DRIVE
MIC 7A-13-5Q	13	DRIVE	DRIVE
MIC 7A-13-5R	13	DRIVE	DRIVE
MIC 7A-13-5S	13	DRIVE	DRIVE
MIC 7A-13-5T	13	DRIVE	DRIVE
MIC 7A-13-5U	13	DRIVE	DRIVE
MIC 7A-13-5V	13	DRIVE	DRIVE
MIC 7A-13-5W	13	DRIVE	DRIVE
MIC 7A-13-5X	13	DRIVE	DRIVE
MIC 7A-13-5Y	13	DRIVE	DRIVE
MIC 7A-13-5Z	13	DRIVE	DRIVE

CIRCUIT DIAGRAM TR-851A/E

Q4,6,201~203,301,302
DTC114EK
Q5
DTA114TK
Q7,8
DTA114EK

IC1 : UPD750RHG-56K-22
IC2 : DT5C124E
IC3 : DT5A143E
IC4 : UPD7507SCT-226
IC5 : MJM2930L-D6
IC6 : NE555P

D1~9,11,14,16~18,22~24,207~211
:55133
D19,20,25,26,30,31,33
:55184 or DAN 202K
D21,27,20~206
:55181 or DAP 202K
D29 :55126
D212 :LN 3276P
D213 :LN 4224P
D301,306 MP-2AAG01
D302,308 MP-18R001
D303~305,307
MP-28G001

IC20: BU4584E
IC202: PSY523C

IC30: UPD7514G-45-12

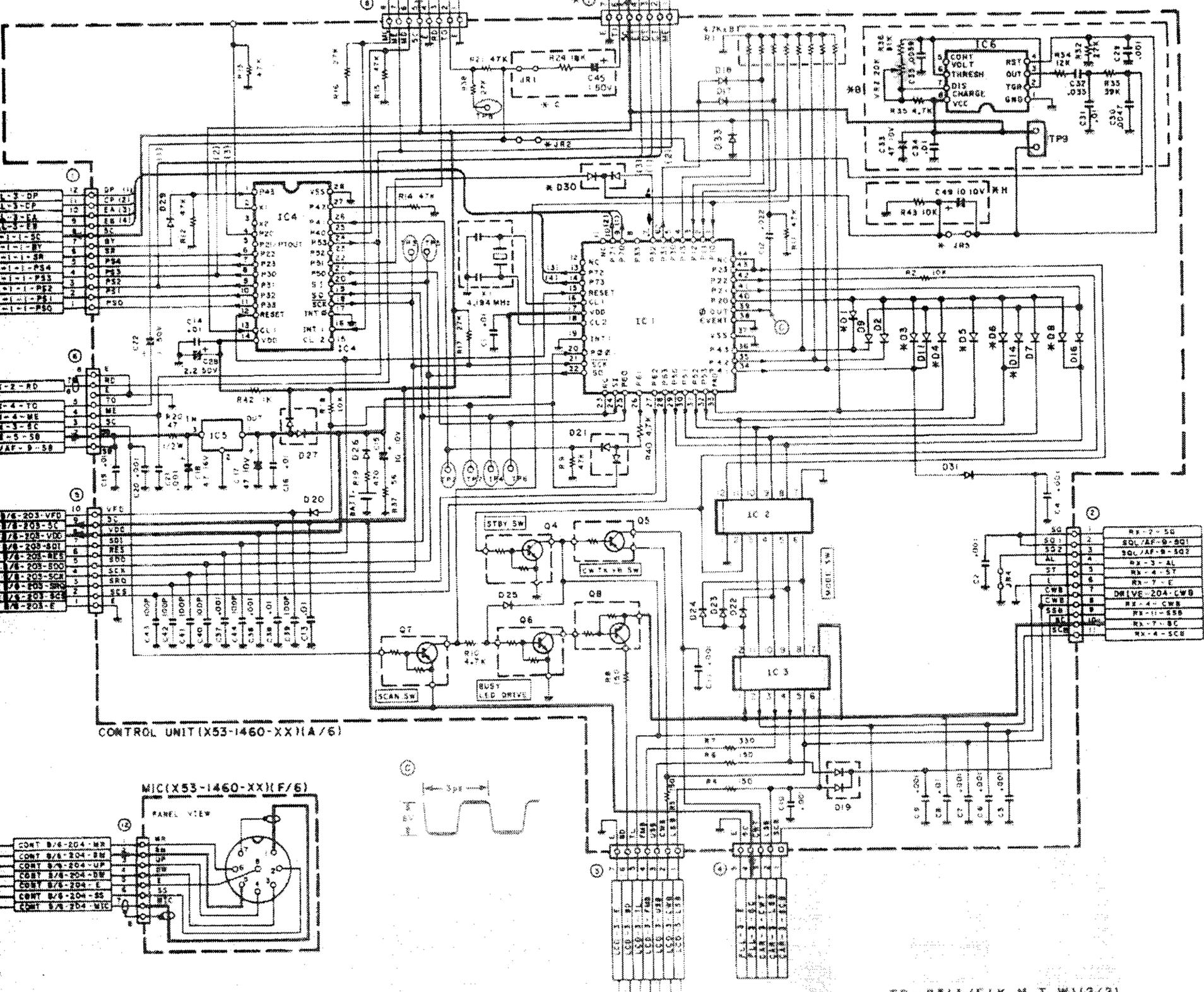
MU-1 (OPTION)

TU-7 (OPTION)

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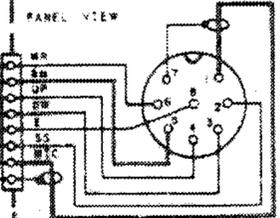
ATTN	NO.	D1	D3	D4	D5	D6	D8	D14	D30
1A	(X53-1460-12)	NO	YES	NO	NO	NO	NO	YES	NO
1B	(W)(X53-1460-52)	YES	NO	YES	YES	YES	NO	NO	YES
1C	(T)(X53-1460-52)	YES	NO	NO	NO	YES	YES	NO	YES

B	C	H	JR2	JR9	J7
NO	YES	NO	NO	NO	YES
YES	NO	NO	YES	YES	NO
YES	NO	YES	YES	NO	NO



CONTROL UNIT (X53-1460-XX) (A/E)

MIC (X53-1460-XX) (F/E)

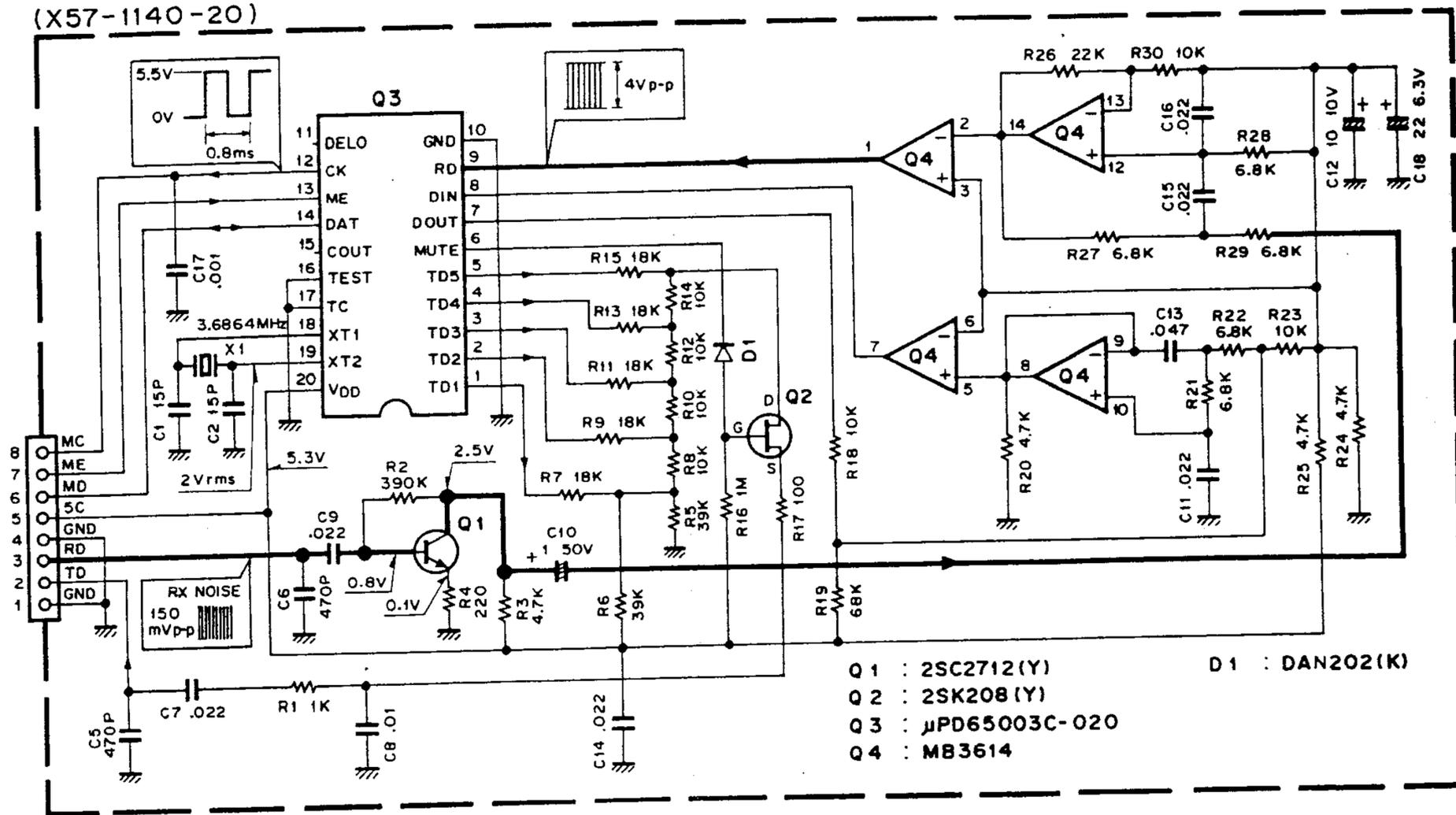


TR-851A/E

MU-1 (MODEM UNIT)

MU-1 SCHEMATIC DIAGRAM

(X57-1140-20)



● Modulation output (TD terminal output on MODEM unit)

Condition		TD terminal output	
ME	MD	Frequency (Hz)	Output voltage (V) [†]
5V	5V	1.200	1.3 ± 0.15
5V	0V	1.800	1.1 ± 0.15

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● Demodulation output

Operation condition (RD terminal) : 40mV±3dB
 (Confirm DAT terminal voltage by receiving a 60dBμ signal from SSG)

SSG MOD. frequency	DAT terminal voltage
1.200Hz	5V
1.800Hz	0V