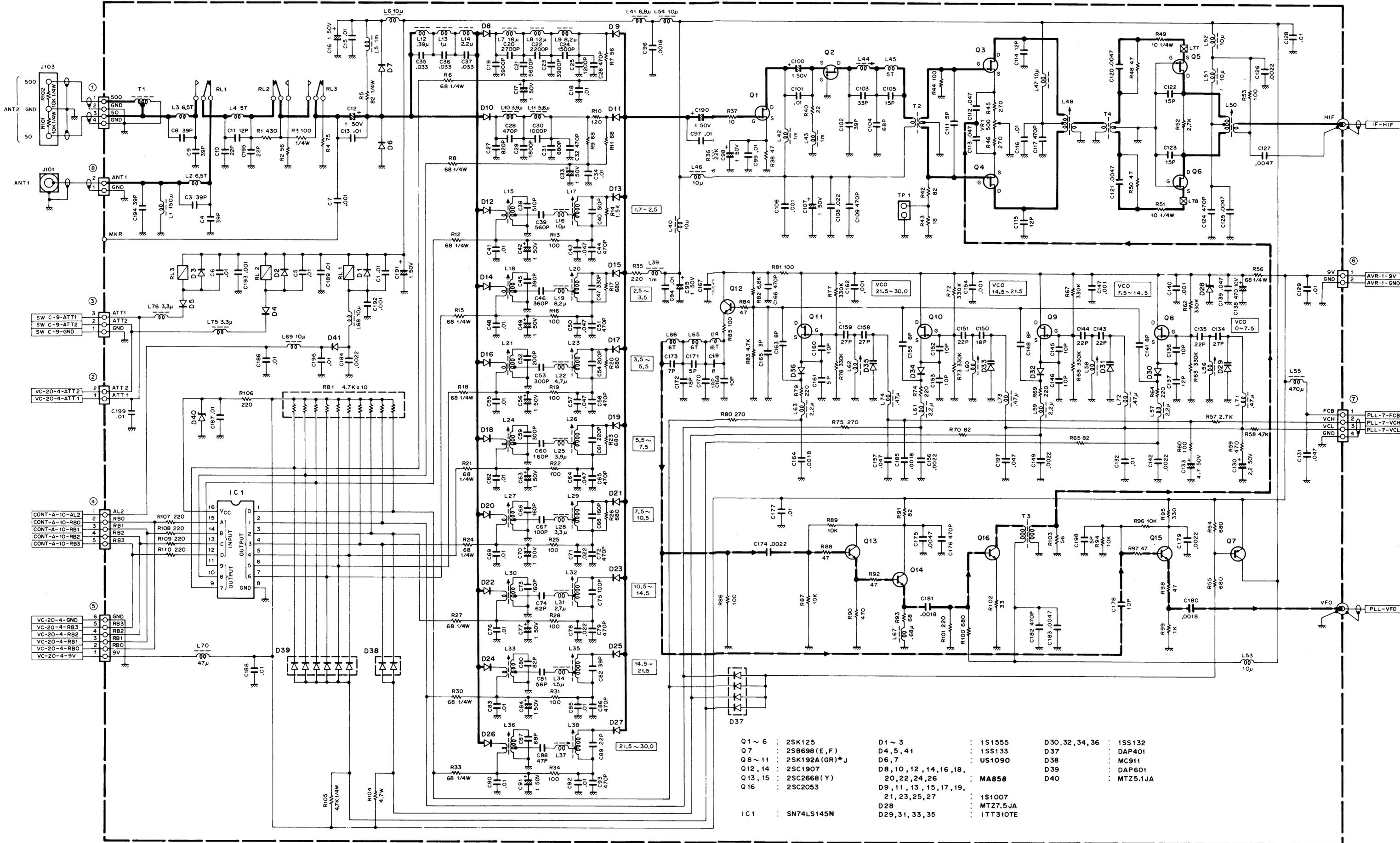


RF UNIT

RF UNIT (X44-3010-00)



- |         |                  |                         |            |                 |            |
|---------|------------------|-------------------------|------------|-----------------|------------|
| Q1 ~ 6  | : 2SK125         | D1 ~ 3                  | : 1S1555   | D30, 32, 34, 36 | : 1SS132   |
| Q7      | : 2S8698 (E, F)  | D4, 5, 41               | : 1S5133   | D37             | : DAP401   |
| Q8 ~ 11 | : 2SK192A (GR)*J | D6, 7                   | : US1090   | D38             | : MC911    |
| Q12, 14 | : 2SC1907        | D8, 10, 12, 14, 16, 18, |            | D39             | : DAP601   |
| Q13, 15 | : 2SC2668 (Y)    | 20, 22, 24, 26          | : MA858    | D40             | : MTZ5.1JA |
| Q16     | : 2SC2053        | D9, 11, 13, 15, 17, 19, |            |                 |            |
|         |                  | 21, 23, 25, 27          | : 1S1007   |                 |            |
|         |                  | D28                     | : MTZ7.5JA |                 |            |
|         |                  | D29, 31, 33, 35         | : 1TT310TE |                 |            |
| IC1     | : SN74LS145N     |                         |            |                 |            |



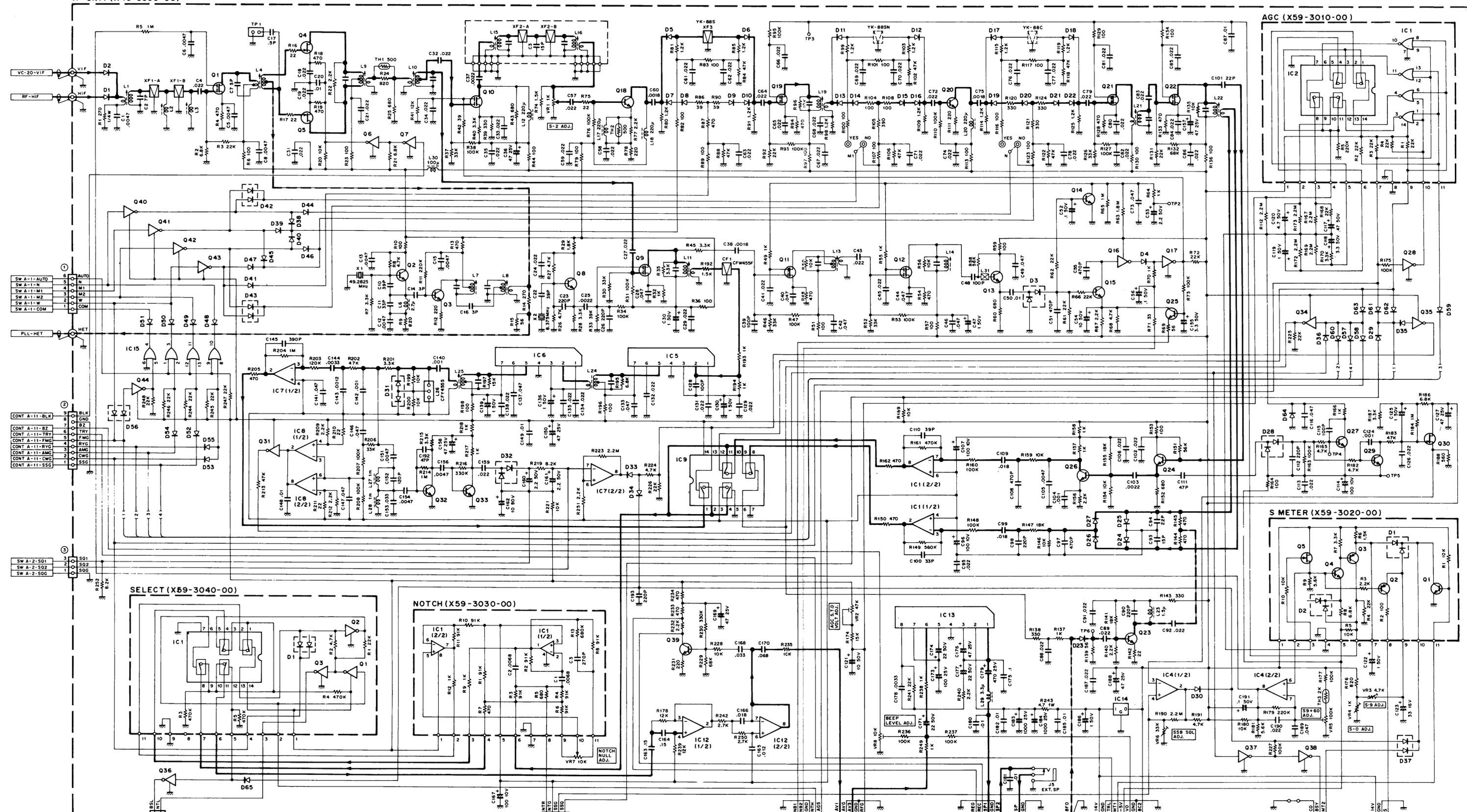
IF UNIT (X48-3000-00)

AGC (X59-3010-00)

S METER (X59-3020-00)

SELECT (X59-3040-00)

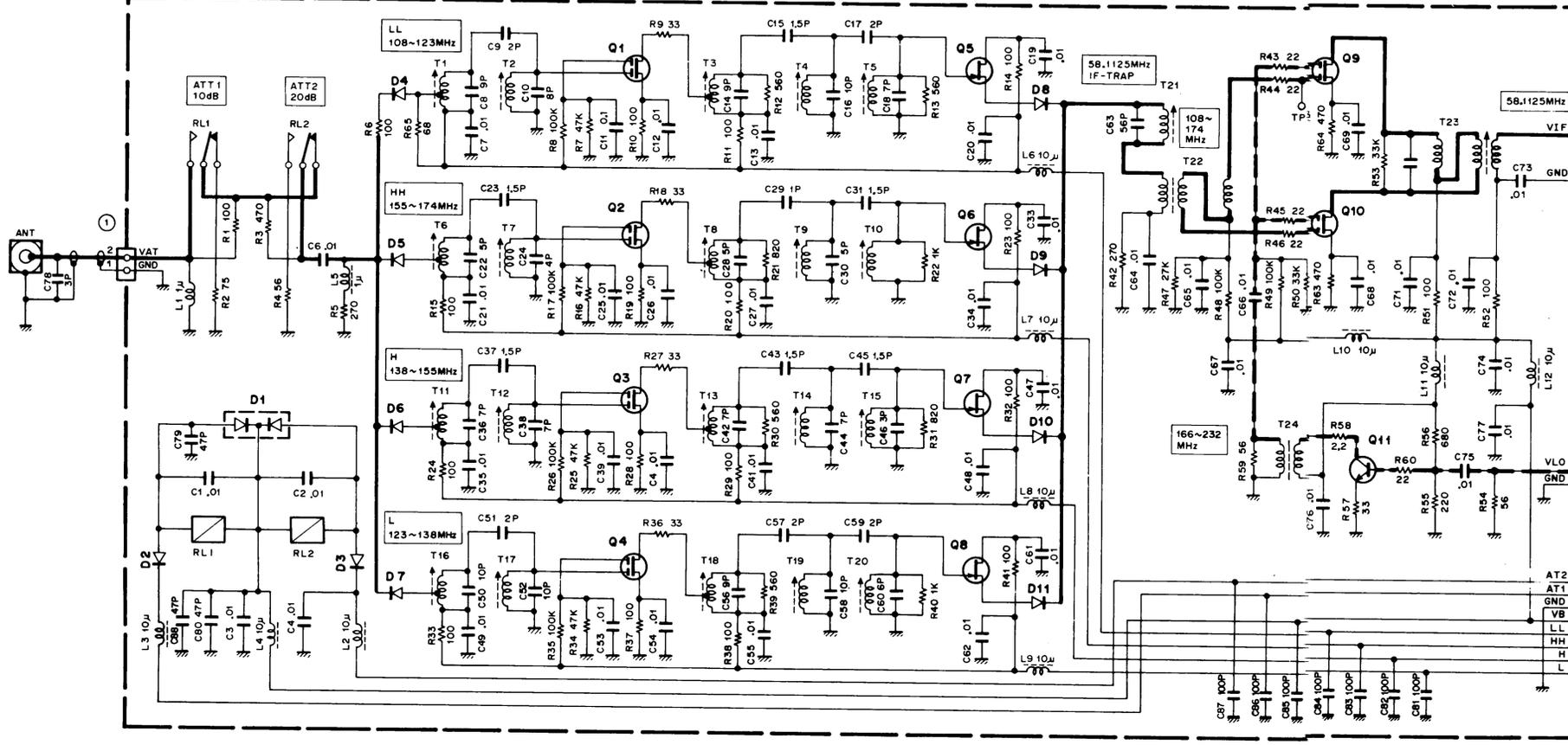
NOTCH (X59-3030-00)



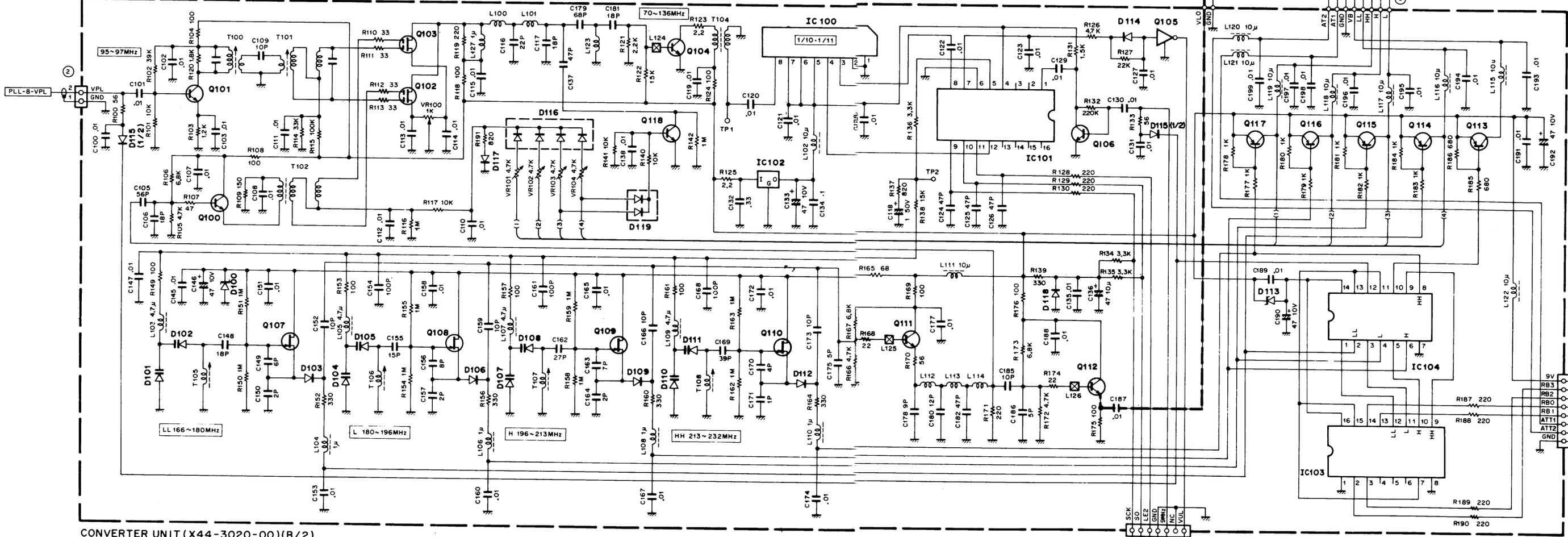
- |  |  |   |   |   |   |   |  |   |
|--|--|---|---|---|---|---|--|---|
| <ul style="list-style-type: none"> <li>Q 1, 9-12, 19, 21, 22 : 3SK73(Y)</li> <li>Q 2, 3, 8 : 2SC266B(Y)</li> <li>Q 4, 5 : 2SK125</li> <li>Q 6 : DTC114ES</li> <li>Q 7, 36-38 : DTC144WS</li> <li>Q 13, 18, 20, 23, 24 : 2SC2787(L)</li> <li>Q 14, 15, 26, 27, 29, 39 : 2SC2458(Y)</li> <li>Q 16, 34 : DTA124ES</li> <li>Q 17 : DTC124ES</li> <li>Q 25 : 2SC3113(B)</li> <li>Q 28 : DTC144ES</li> </ul> | <ul style="list-style-type: none"> <li>Q 30 : 2SK161(GR)</li> <li>Q 31, 35, 44 : DTA144ES</li> <li>Q 40-43 : DTA114ES</li> <li>Q 32, 33 : 2SC2459(BL)</li> </ul> | <ul style="list-style-type: none"> <li>D 1, 2 : BA282</li> <li>D 3, 28, 32 : MC931</li> <li>D 4, 29, 33-36, 38-41, 44-48, 50-55, 57-60, 62, 63, 65 : 1S5133</li> <li>D 5-23, 30, 49, 61 : 1S1587</li> </ul> | <ul style="list-style-type: none"> <li>D 24-27 : 1N60</li> <li>D 31 : MC911</li> <li>D 37, 42, 43, 56 : MC921</li> <li>D 64 : 1S5141VE</li> </ul> | <ul style="list-style-type: none"> <li>IC 1, 7, 12 : NJM4558S</li> <li>IC 4, 8 : NJM2903S</li> <li>IC 5, 6 : JPC577H</li> <li>IC 9 : TC4066BP</li> <li>IC 13 : MB3713</li> <li>IC 14 : AN78N09</li> <li>IC 15 : TC4071BP</li> </ul> | <ul style="list-style-type: none"> <li>(X59-3010-00)</li> <li>IC 1 : TC4001BF</li> <li>IC 2 : TC4066BP</li> </ul> | <ul style="list-style-type: none"> <li>(X59-3020-00)</li> <li>O 1, 4 : 2SC2712(Y)</li> <li>O 2, 3 : 2SA1162(Y)</li> <li>O 5 : 2SK211(GR)</li> <li>O 1, 2 : DAN202K</li> </ul> | <ul style="list-style-type: none"> <li>(X59-3030-00)</li> <li>IC 1 : NJM4558M</li> </ul> | <ul style="list-style-type: none"> <li>(X59-3040-00)</li> <li>O 1 : DTA124EK</li> <li>O 2, 3 : 2SA1164WK</li> <li>IC 1 : TC4066BF</li> <li>D 1 : DAN202K</li> </ul> |
|--|--|---|---|---|---|---|--|---|

# CONVERTER UNIT

CONVERTER UNIT (X44-3020-00)(A/2)



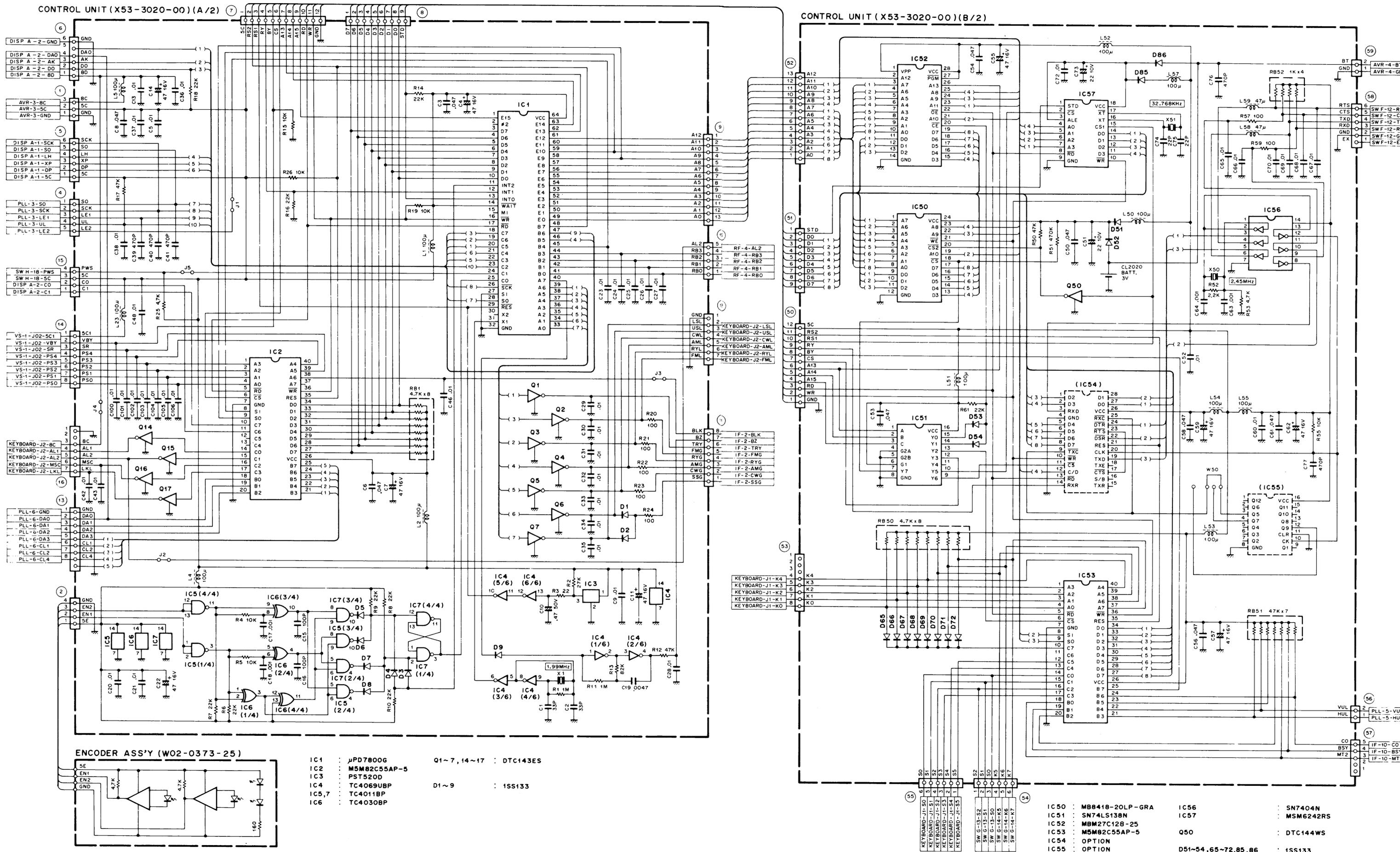
- D1 ~ 3, 114, 115, 119 : DAN202K
- D4 ~ 7 : 1S2588
- D8 ~ 11, 103, 106, 109, 112 : MA858
- D100 : MTZ7.5JA
- D101, 102, 104, 105, 107, 108, 110, 111 : 1SV153
- D113 : MTZ3.3JA
- D116 : DAN401
- D117 : 1S5133
- D118 : MTZ5.1JA
- Q1 ~ 4 : 3SK184(R)
- Q5 ~ 8 : 2SK125-5
- Q9, 10, 102, 103 : 3SK74(L)
- Q11, 100, 104, 111, 112 : 2SC2570A
- Q101, 106, 118 : 2SC2714 (Y)
- Q105 : DTC124EK
- Q107 ~ 110 : 2SK192A(GR) \* P
- Q113 ~ 117 : 2SB698(E, F)
- IC100 : HD10551
- IC101 : MC145158P
- IC102 : TA78L005AP
- IC103 : SN74LS139N
- IC104 : SN74LS07N



CONVERTER UNIT (X44-3020-00)(B/2)

- 1 : SCK
- 2 : SO
- 3 : LE2
- 4 : GND
- 5 : 5V
- 6 : 3MHz
- 7 : VUL

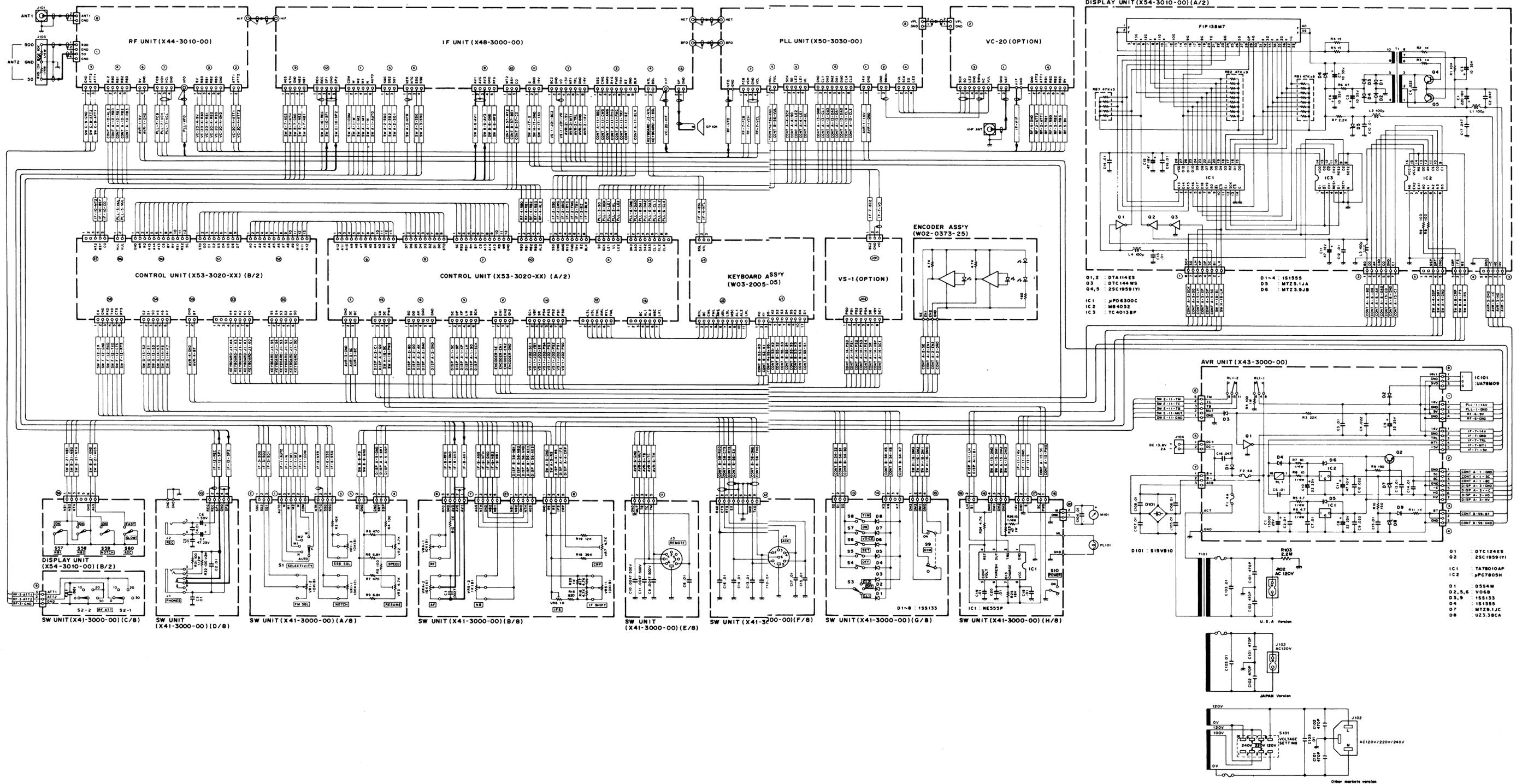
- 8 : RF-5-9V
- 7 : RF-5-RB3
- 6 : RF-5-RB2
- 5 : RF-5-RB0
- 4 : RF-5-RB1
- 3 : RF-2-ATT1
- 2 : RF-2-ATT2
- 1 : RF-5-GND



- IC1 :  $\mu$ PD7800G
- IC2 : M5M82C55AP-5
- IC3 : PST520D
- IC4 : TC4069UBP
- IC5,7 : TC4011BP
- IC6 : TC4030BP
- Q1~7, 14~17 : DTC143ES
- D1~9 : 1SS133

- IC50 : MB8418-20LP-GRA
- IC51 : SN74LS138N
- IC52 : MBM27C128-25
- IC53 : M5M82C55AP-5
- IC54 : OPTION
- IC55 : OPTION
- Q50 : DTC144WS
- D51~54, 65~72, 85, 86 : 1SS133
- IC56 : SN7404N
- IC57 : MSM6242RS

# 8-2. CIRCUIT DIAGRAM



**Note:** Circuits are subject to change without notice due to advancements in technology.

