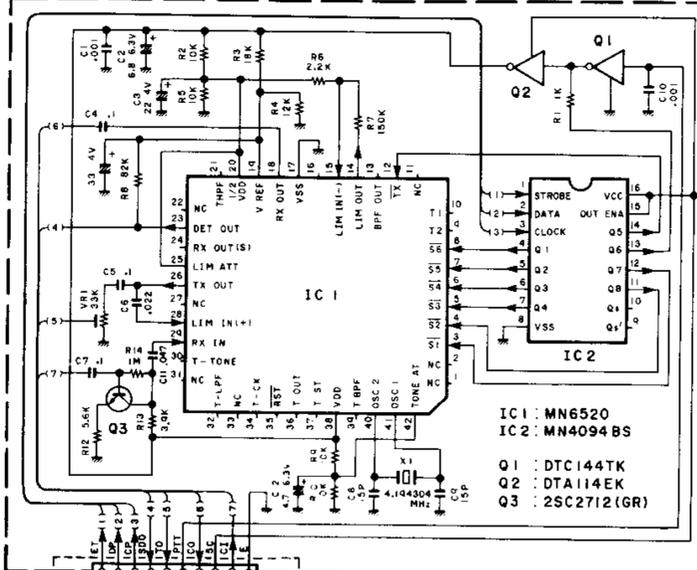
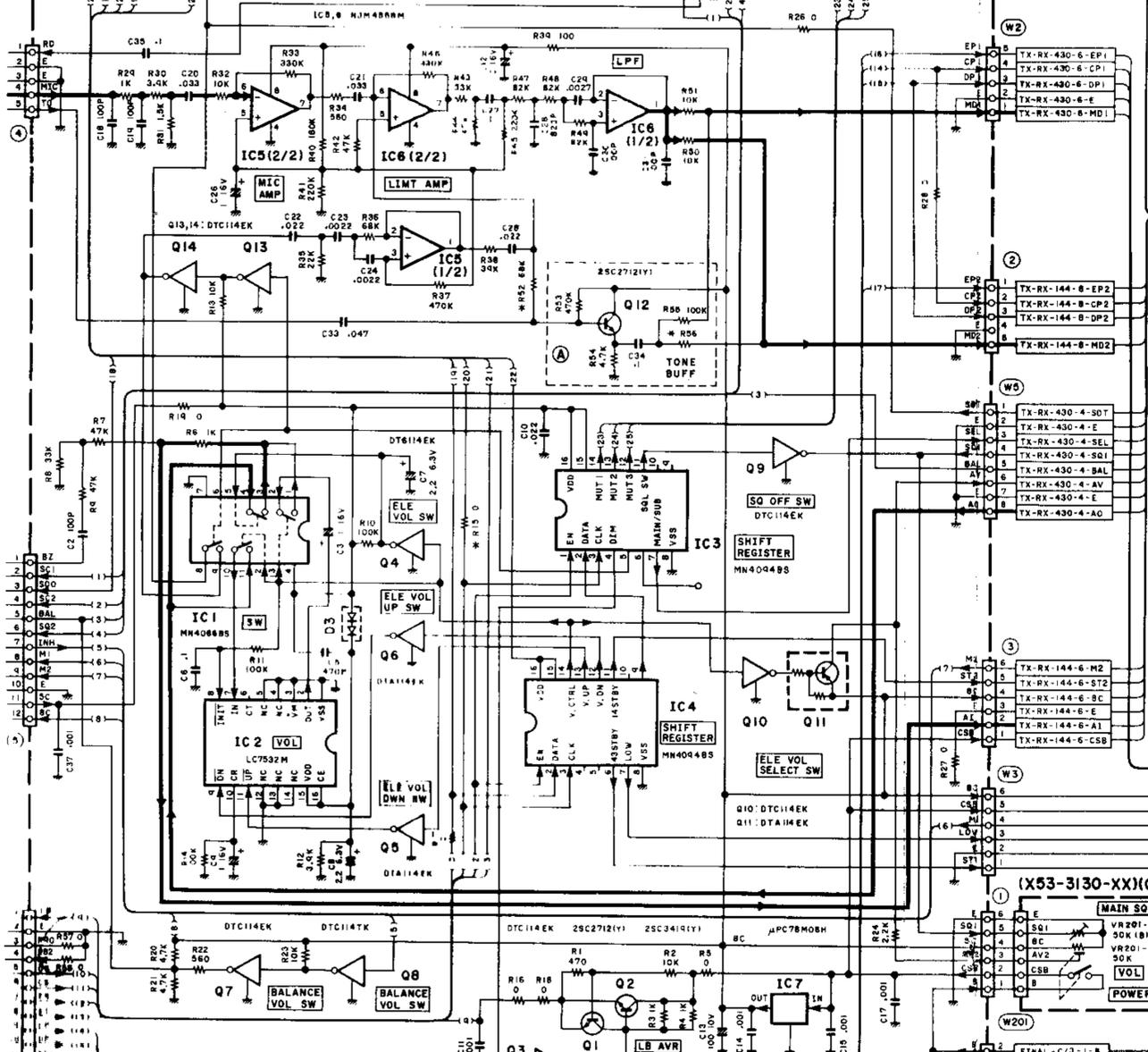


5. TM-721A/721E SCHEMATIC DIAGRAM

TSU-6 CTCSS UNIT (X52-3100-00) (OPTION) TM-721A(K,M) ONLY



CONTROL UNIT (X53-3130-XX) (A/3) 0-11: TM-721A(K) 0-21: TM-721A(M), TM-721E(T,W)



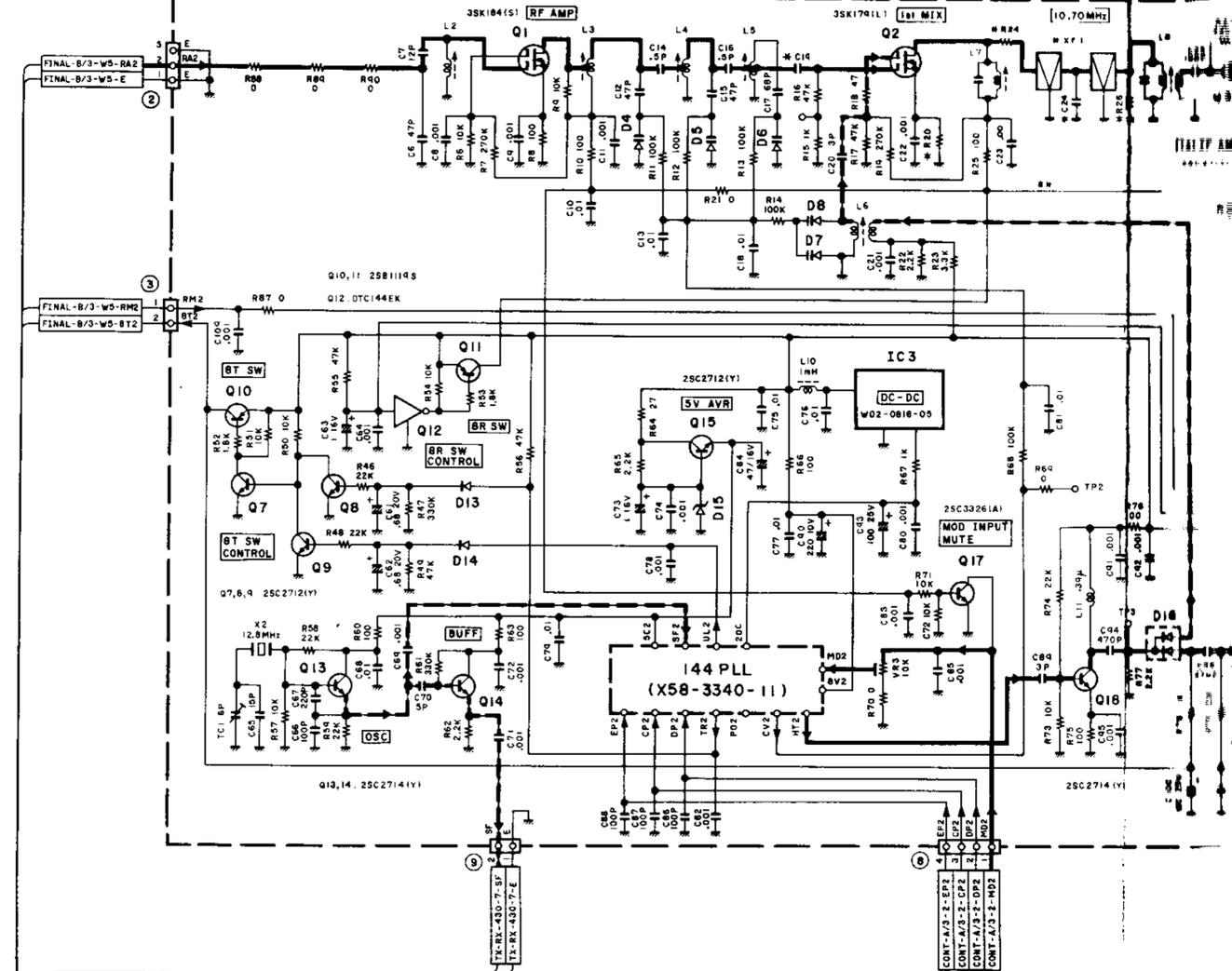
- IC1 : MC3361D
- IC2 : MB3713
- IC3 : W02-0818-05

- Q1 : 3SK184(S)
- Q2 : 3SK179(L)
- Q3,13,14,18,19 : 2SC2714(Y)
- Q4,5,7,8,9,15 : 2SC2712(Y)
- Q6,12 : DTC144EK
- Q10,11 : 2SB1119S
- Q17 : 2SC3326(A)
- Q20 : 2SC2954

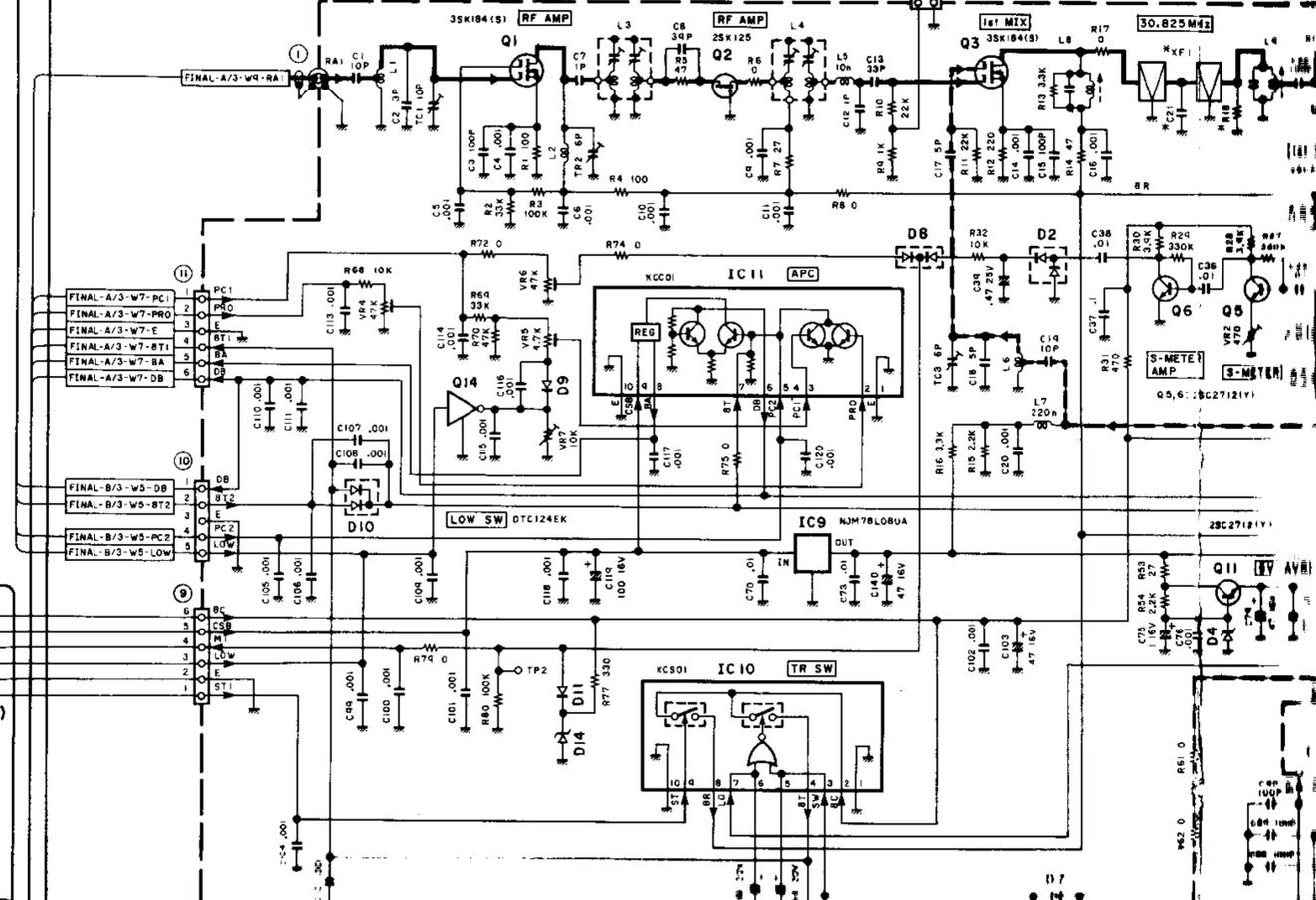
- D4~8 : 1SV164
- D9,11~14 : 1SS184
- D10 : HSM88AS
- D15 : O2CZ6.2(X,Y)
- D16 : 1SS268
- D17 : 1SS181
- D18 : O2CZ4.3(X,Y)

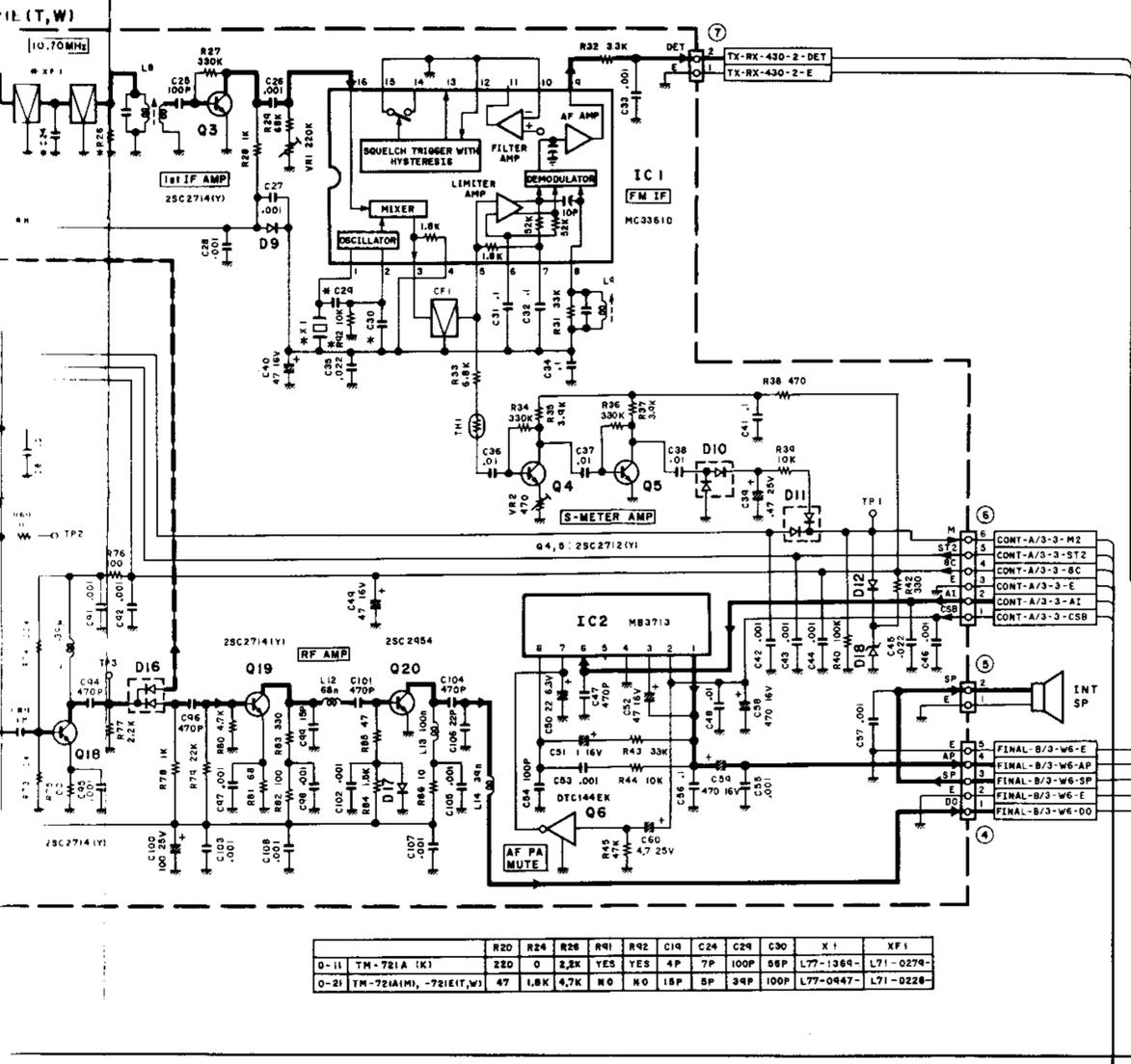
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TX-RX (144MHz) UNIT (X57-3230-XX) 0-11: TM-721A(K) 0-21: TM-721A(M), TM-721E(T,W)

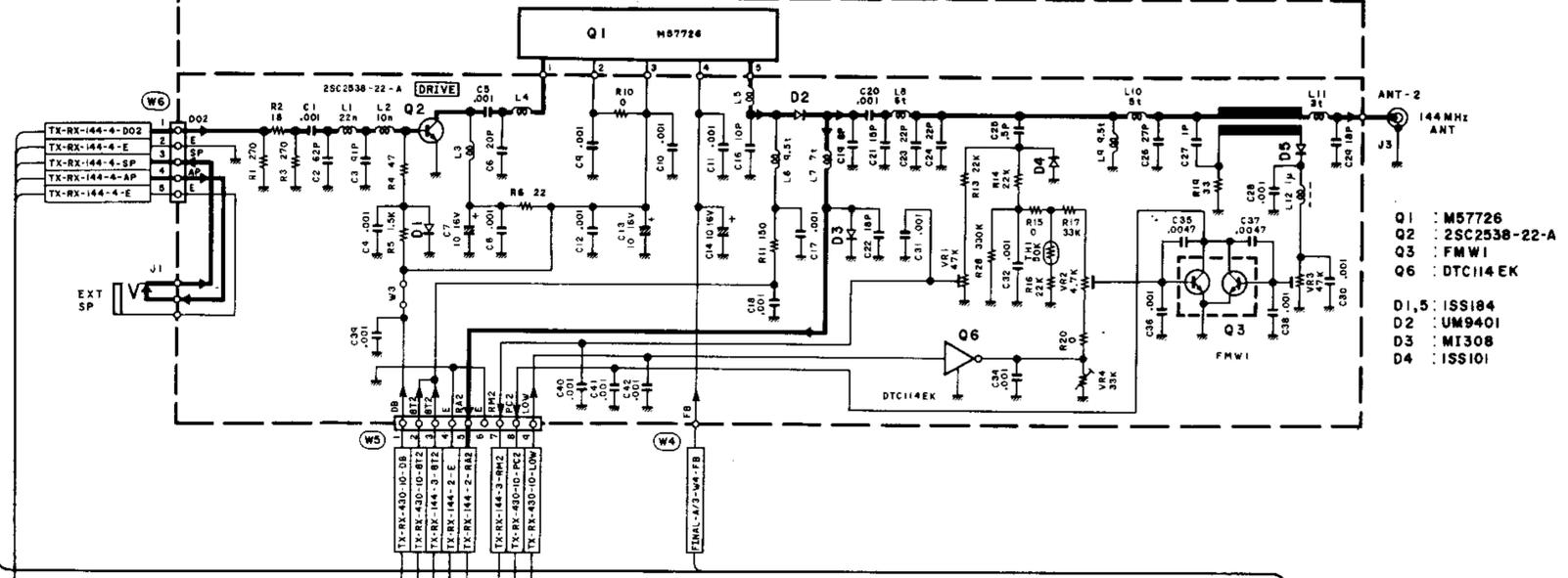


TX-RX (430/440MHz) UNIT (X57-3210-XX) 0-11: TM-721A(K) (440MHz)





FINAL UNIT (X45-3180-XX) (B/3) 0-11: TM-721A(K) 0-21: TM-721A(M) 0-51: TM-721E(T,W)

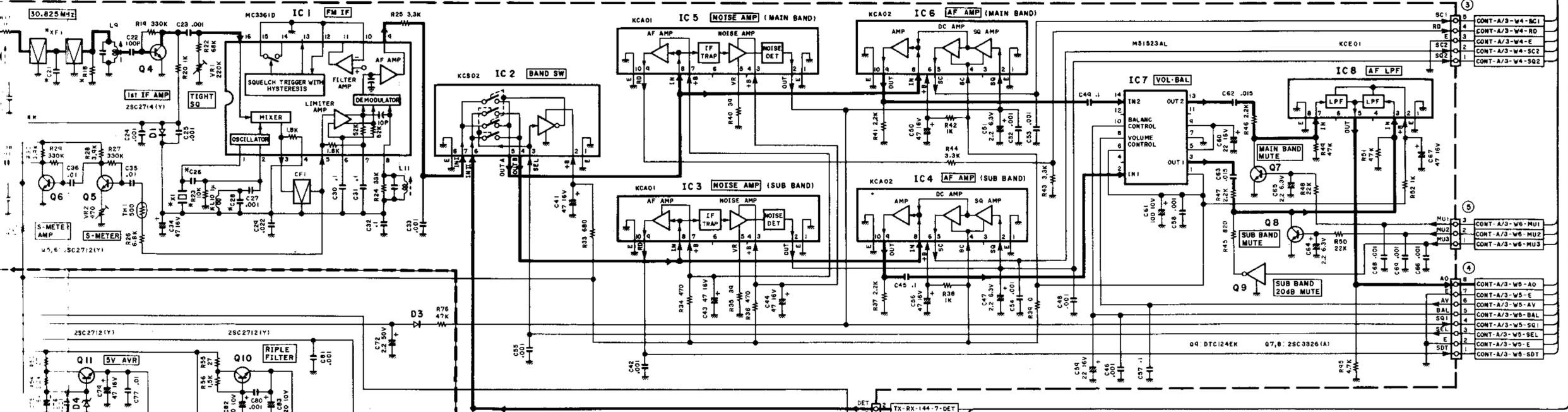


- Q1 : M57726
- Q2 : 2SC2538-22-A
- Q3 : FMW1
- Q6 : DTC114EK
- D1,5 : ISS104
- D2 : UM9401
- D3 : MT308
- D4 : ISS101

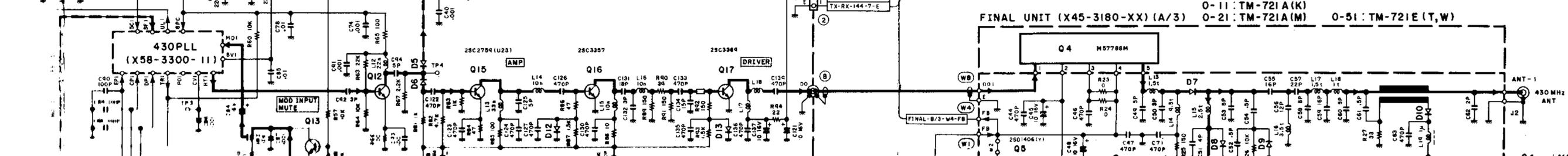
Downloaded by

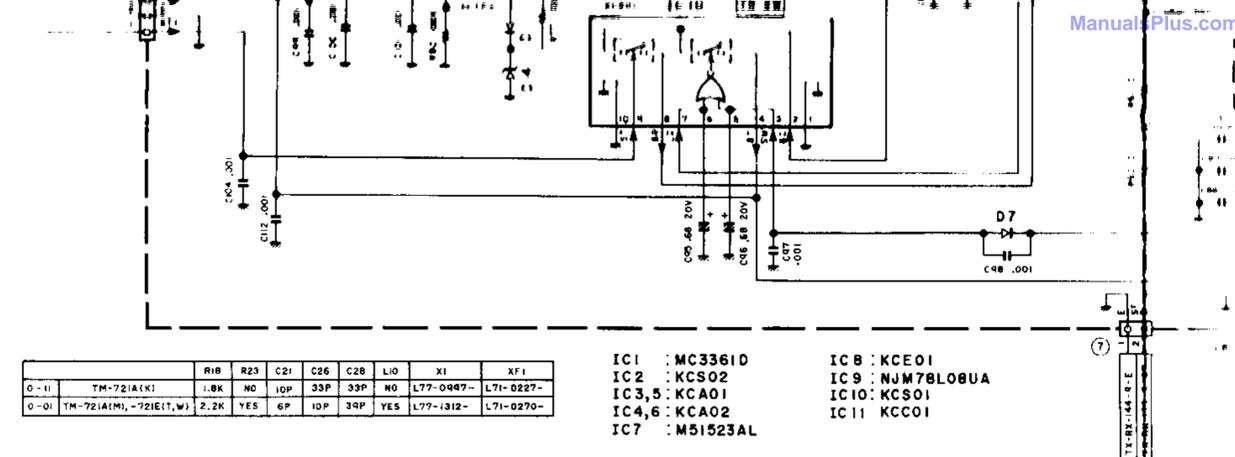
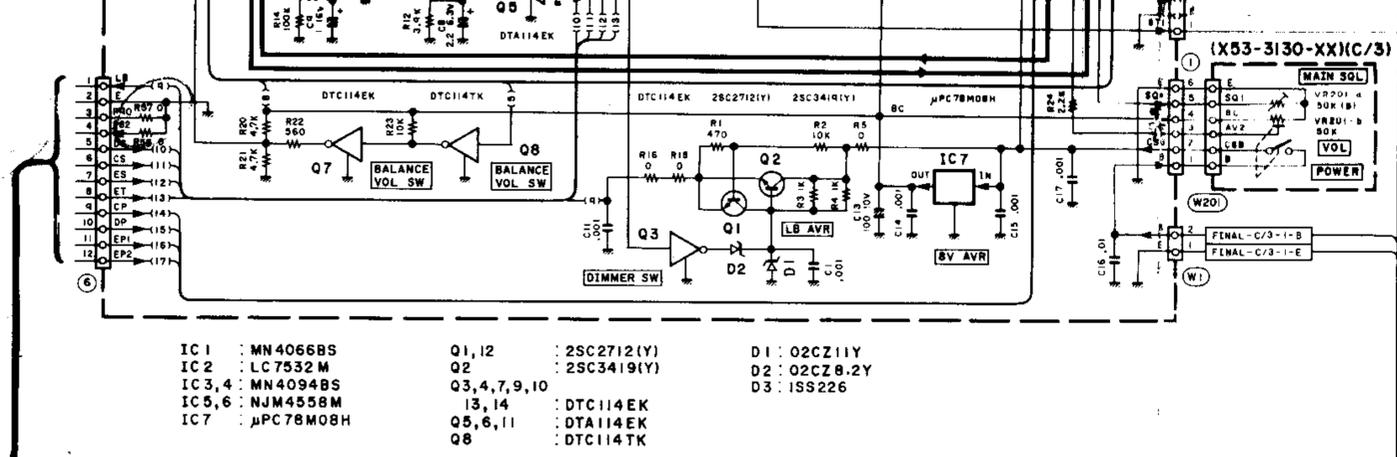
 Amateur Radio Directory

TM-721A(K) (440MHz) 0-01: TM-721A(M), TM-721E(T,W) (430MHz)

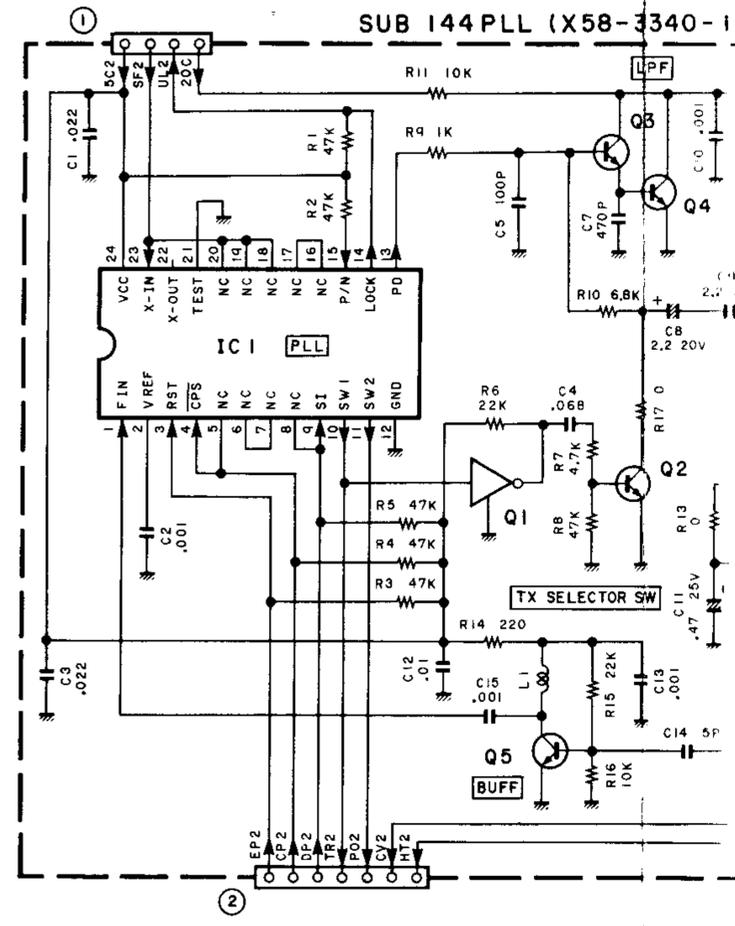
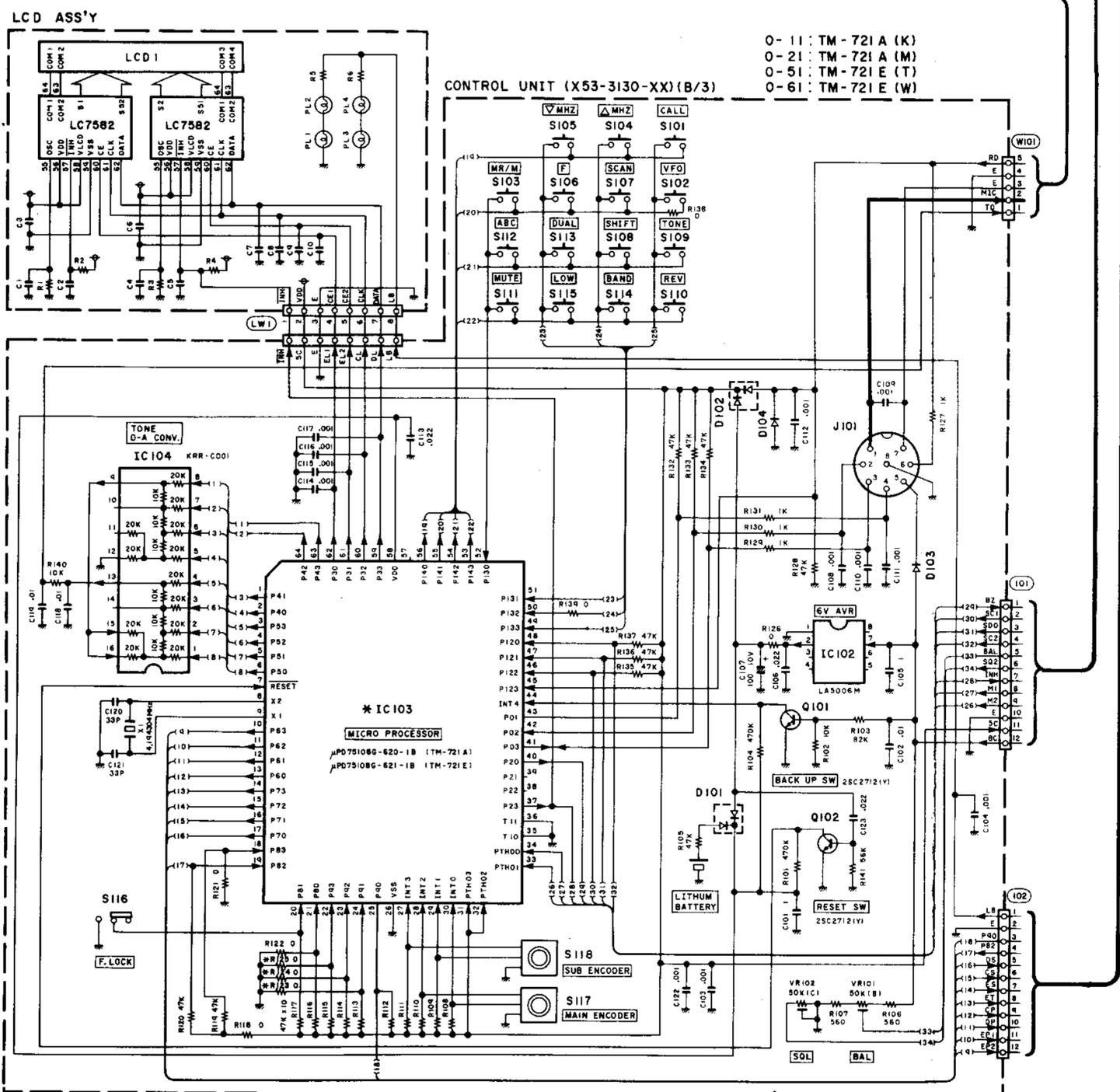


FINAL UNIT (X45-3180-XX) (A/3) 0-11: TM-721A(K) 0-21: TM-721A(M) 0-51: TM-721E(T,W)

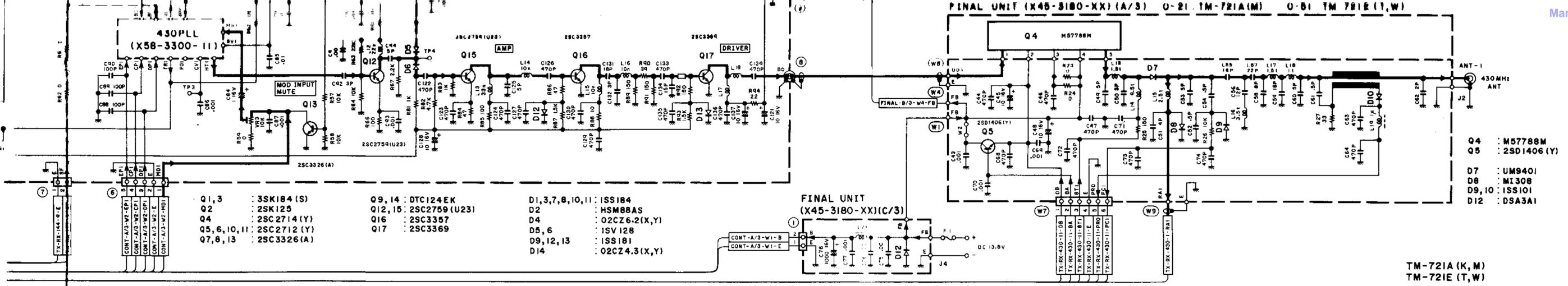




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Q-11	TM-721A (K)	YES	YES	-620-	YES	NO	100K	NO	YES	YES
Q-21	TM-721A (M)	YES	YES	-620-	YES	NO	100K	NO	YES	NO
Q-51	TM-721E (T)	NO	NO	-621-	NO	YES	MP	NO	NO	YES
Q-61	TM-721E (W)	NO	NO	-621-	NO	YES	MP	YES	YES	YES



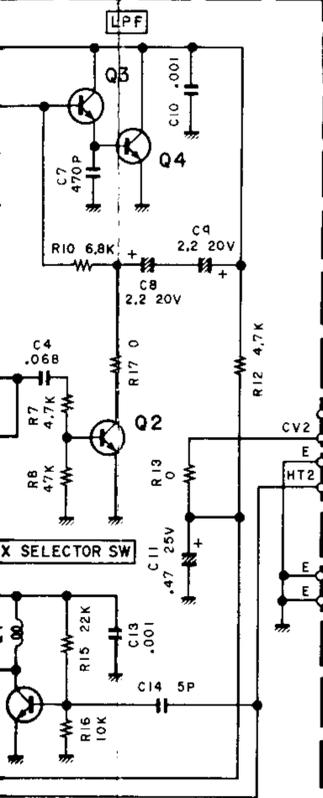
- | | | |
|--------------------------|-------------------------|-------------------------|
| Q1,3 : 3SK184 (S) | Q9, 14 : DTC124 EK | D1,3,7,8,10,11 : ISS184 |
| Q2 : 2SK125 | Q12, 15 : 2SC2759 (U23) | D2 : HSM88AS |
| Q4 : 2SC2714 (Y) | Q16 : 2SC3357 | D4 : 02CZ6.2(X,Y) |
| Q5,6,10,11 : 2SC2712 (Y) | Q17 : 2SC3369 | D5,6 : ISV128 |
| Q7,8,13 : 2SC3326 (A) | | D9,12,13 : ISS181 |
| | | D14 : 02CZ4.3(X,Y) |

TM-721A (K,M)
TM-721E (T,W)

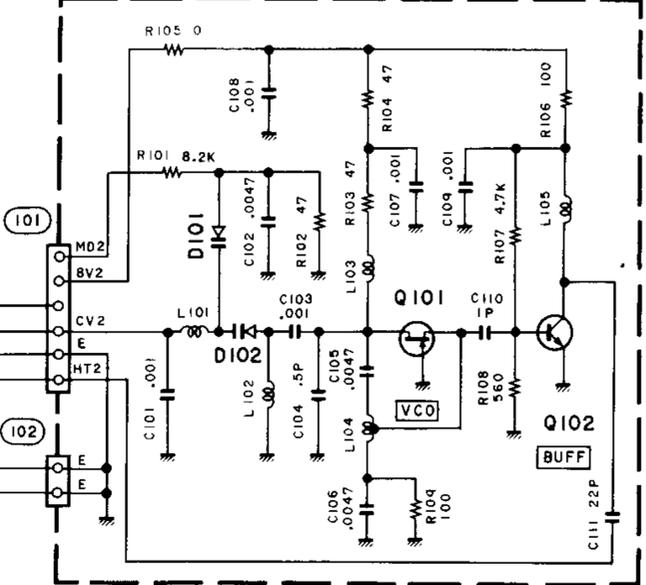
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Amateur Radio Directory

(X58-3340-11)(A/2)

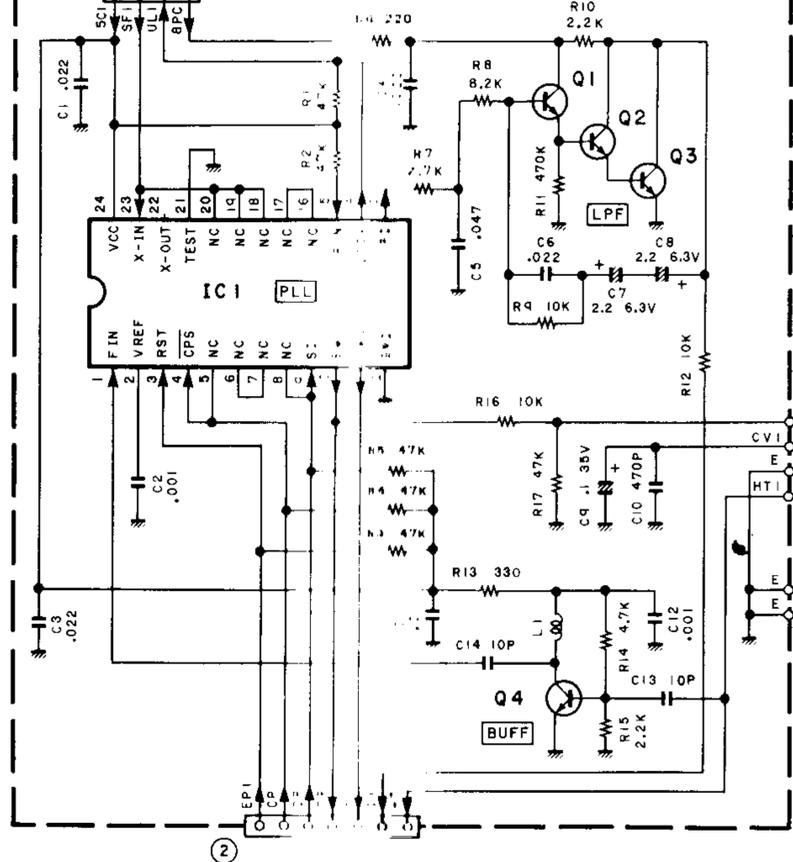


SUB 144 PLL (X58-3340-11)(B/2)

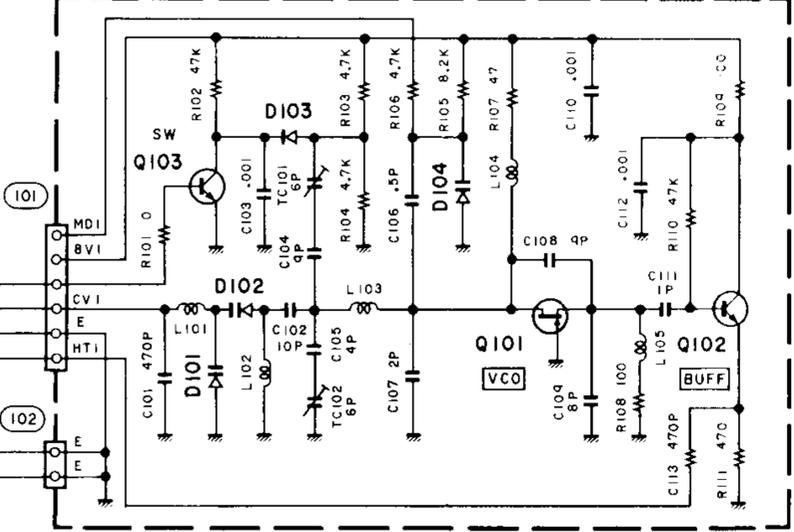


- | | |
|--------------------|---------------------|
| IC 1 : M54959FP | Q101 : 2SK508 (K52) |
| Q1 : DTC144 EK | Q102 : 2SC2714 (Y) |
| Q2 : 2SC2712 (Y) | D101, 102 : ISV166 |
| Q3,4 : 2SC3324 (B) | |
| Q5 : 2SC2714 (Y) | |

SUB 430 PLL (X58-3330-11)(A/2)



SUB 430 PLL (X58-3330-11)(B/2)



- | | |
|----------------------|-------------------------|
| IC 1 : M54959FP | Q101 : 2SK508 (K52) |
| Q1 ~ 3 : 2SC3324 (B) | Q102 : 2SC3120 |
| Q4 : 2SC3120 | Q103 : 2SC2712 (Y) |
| | D101, 102, 104 : ISV164 |
| | D103 : HSK277 |

Note: _____
Circuit is subject to change without notice due to advancements in technology.