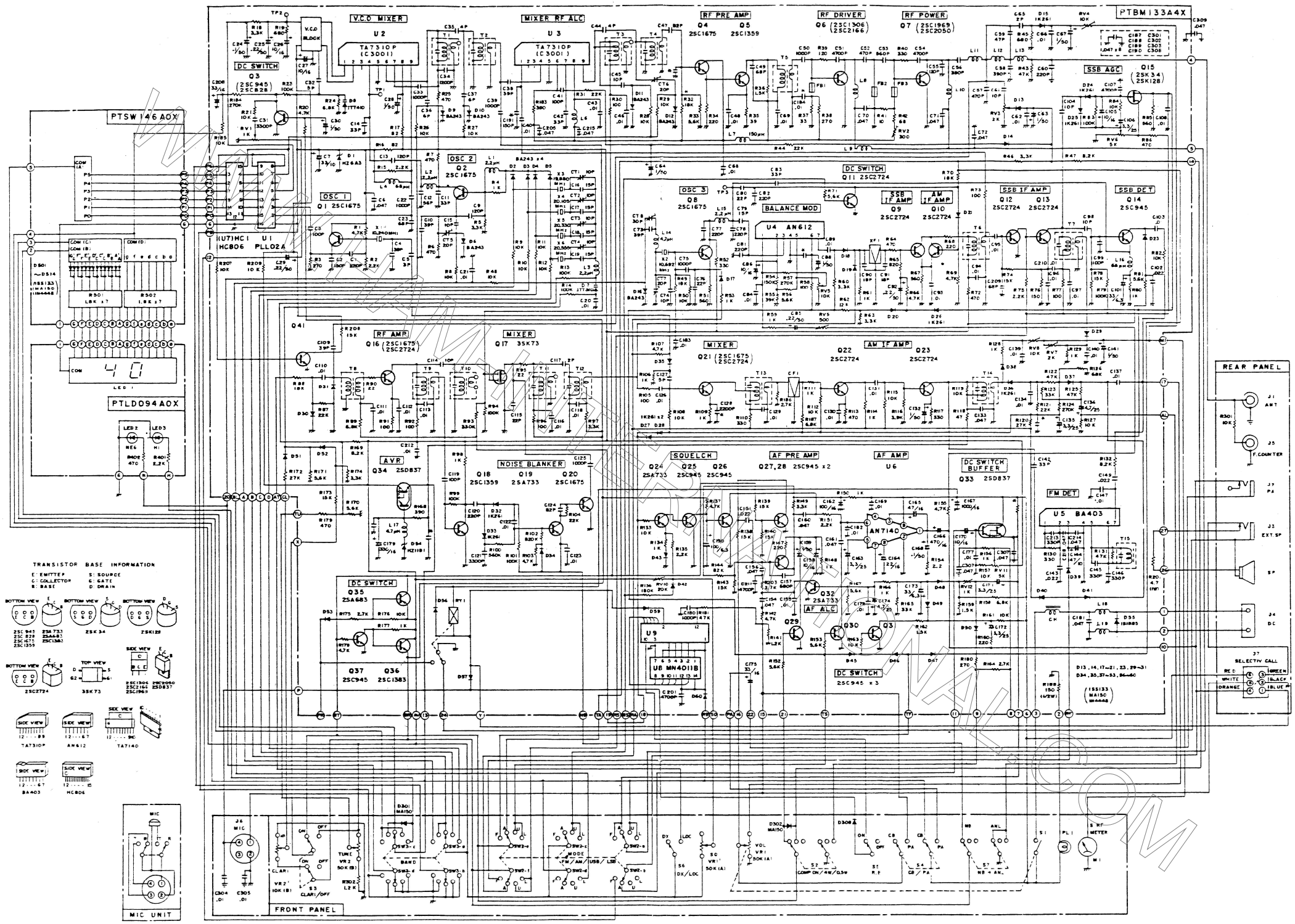
PTBM133A4X
V.C.O MIXER
U2
TA7310P
(C3001)
MIXER RF ALC
U3
TA7310P
(C3001)
RF PRE AMP
Q4 2SC1675
Q5 2SC1359
RF DRIVER
Q6 (2SC1306 2SC2166)
RF POWER
Q7 (2SC1969 2SC2050)
SSB AGC
Q15 (2SK34 2SK128)
DC SWITCH
Q3 (2SC945 2SC828)
PTSW146A0X
OSC 1
Q1 2SC1675
OSC 2
Q2 2SC1675
OSC 3
Q8 2SC1675
DC SWITCH
Q11 2SC2724
BALANCE MOD
U4 AN612
SSB IF AMP
Q9 2SC2724
AM IF AMP
Q10 2SC2724
SSB IF AMP
Q12 2SC2724
Q13 2SC2724
SSB DET
Q14 2SC945
(U7)HC1 U1
HC806 PLL02A
PTLD094A0X
RF AMP
Q16 (2SC1675 2SC2724)
MIXER
Q17 3SK73
MIXER
Q21 (2SC1675 2SC2724)
AM IF AMP
Q22 2SC2724
Q23 2SC2724
REAR PANEL
J1 ANT
J5 F.COUNTER
J2 PA
J3 EXT.SP
SP
J4 DC
J7 SELECTIV CALL
RED
WHITE
ORANGE
GREEN
BLACK
BLUE
AVR
Q34 2SD837
NOISE BLANKER
Q18 2SC1359
Q19 2SA733
Q20 2SC1675
SQUELCH
Q24 2SA733
Q25 2SC945
Q26 2SC945
AF PRE AMP
Q27,28 2SC945 x2
AF AMP
U6
DC SWITCH BUFFER
Q33 2SD837
FM DET
U5 BA403
AN7140
AF ALC
Q32 2SA733
Q29
Q30
Q3
DC SWITCH
Q35 2SA683
Q37 2SC945
Q36 2SC1383
U9
U8 MN4011B
DC SWITCH
2SC945 x3
TRANSISTOR BASE INFORMATION
E: EMITTER
C: COLLECTOR
B: BASE
S: SOURCE
G: GATE
D: DRAIN
BOTTOM VIEW
2SC945 2SC828 2SC1675 2SC1359
2SA733 2SA683 2SC1383
2SK34
2SK128
TOP VIEW
2SC2724
3SK73
SIDE VIEW
2SC1306 2SC2166 2SC1969
2SC2050 2SD837
TA7310P
AN612
TA7140
BA403
HC806
MIC
MIC UNIT
FRONT PANEL
J6 MIC
S3 CLAR1/OFF
VR2 10K (B)
TUNE VR2 50K (B)
BAND
MODE FM/AM/USB/LSB
S6 DX/LOC
S0 VR1 50K (A)
VOL VR1 50K (A)
S2 COMP ON/4W/0.5W
S5 R.F
S4 CB/PA
S7 NB + ANL
S1
PL1
S RF METER
M1