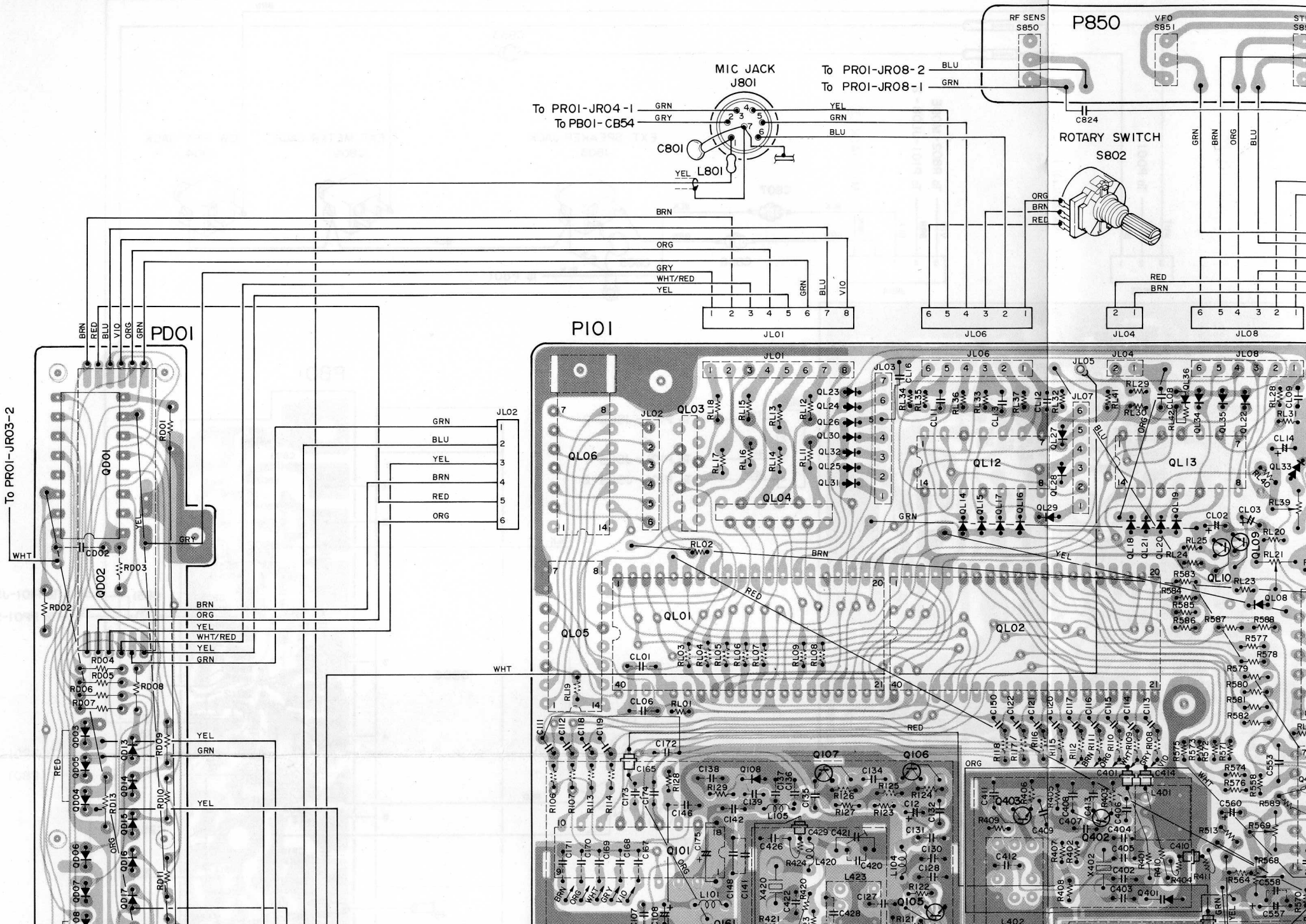
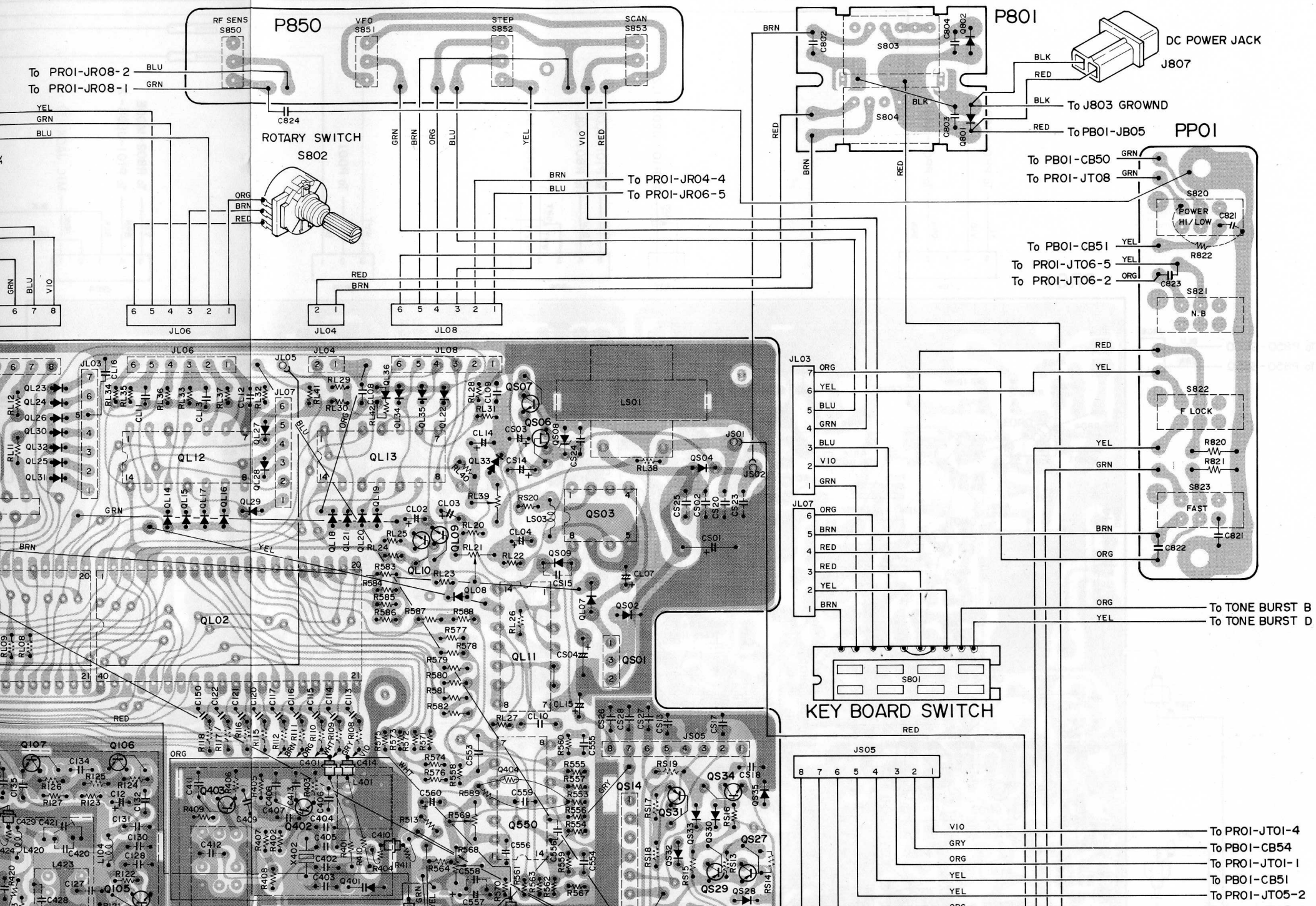
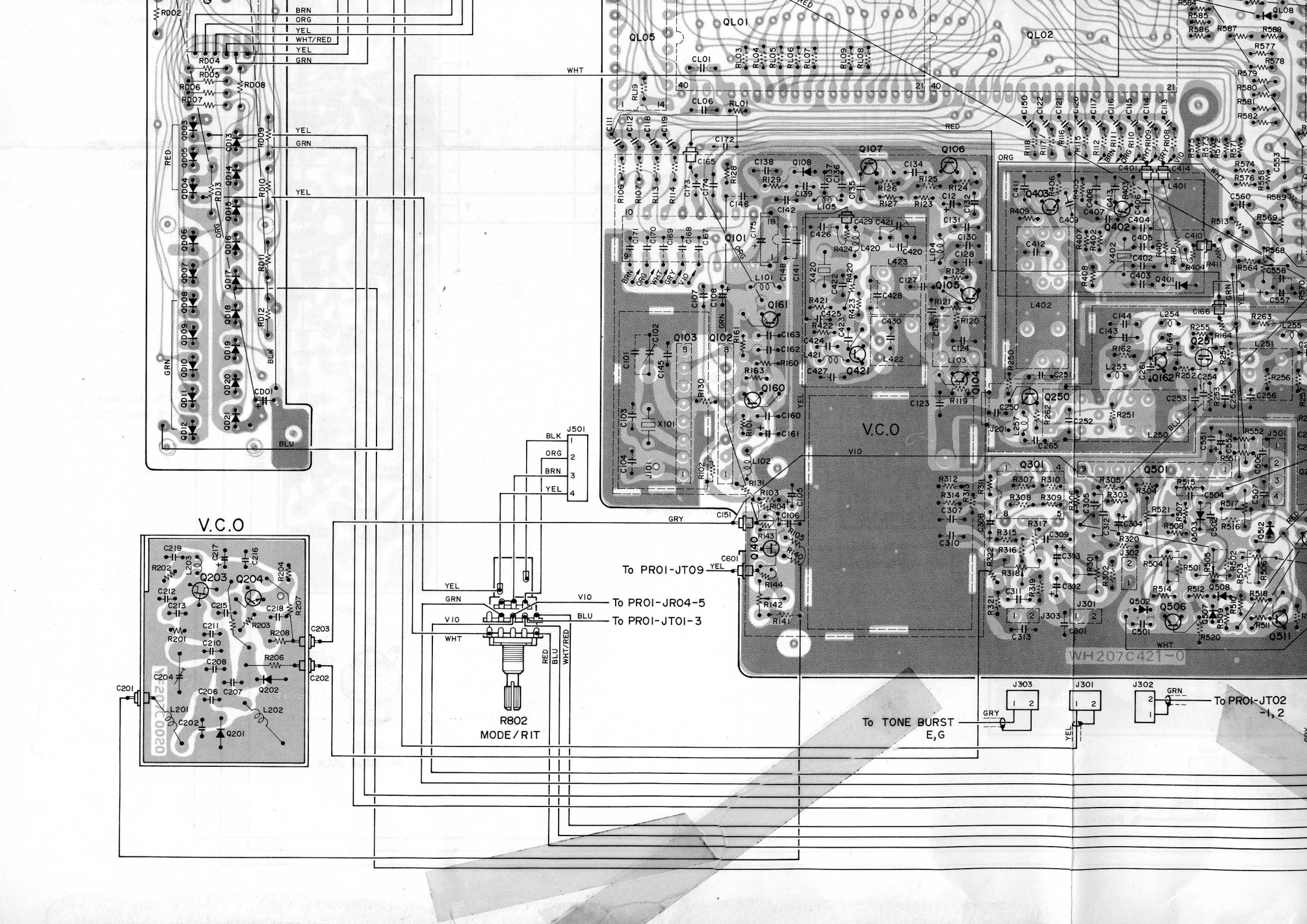
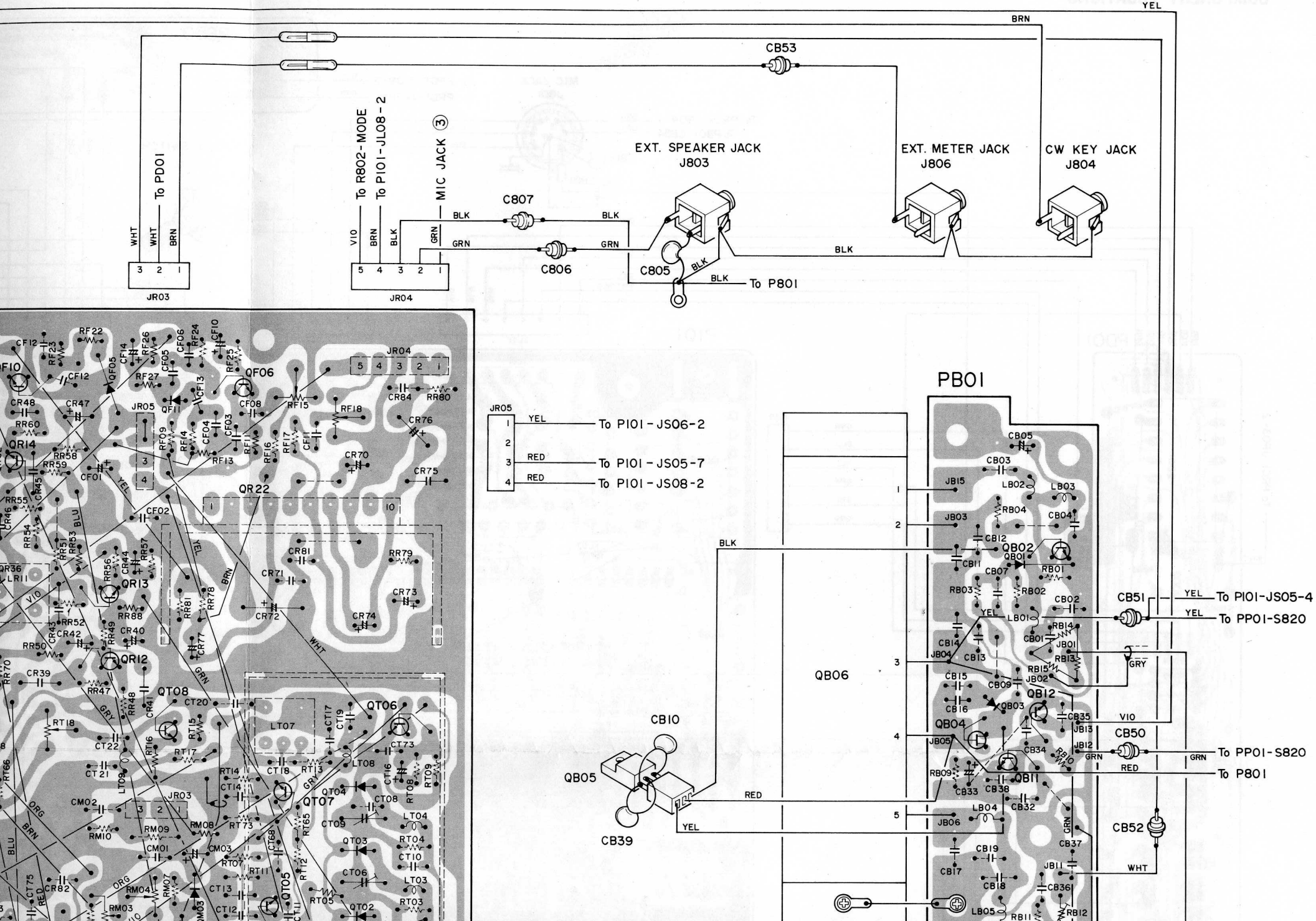
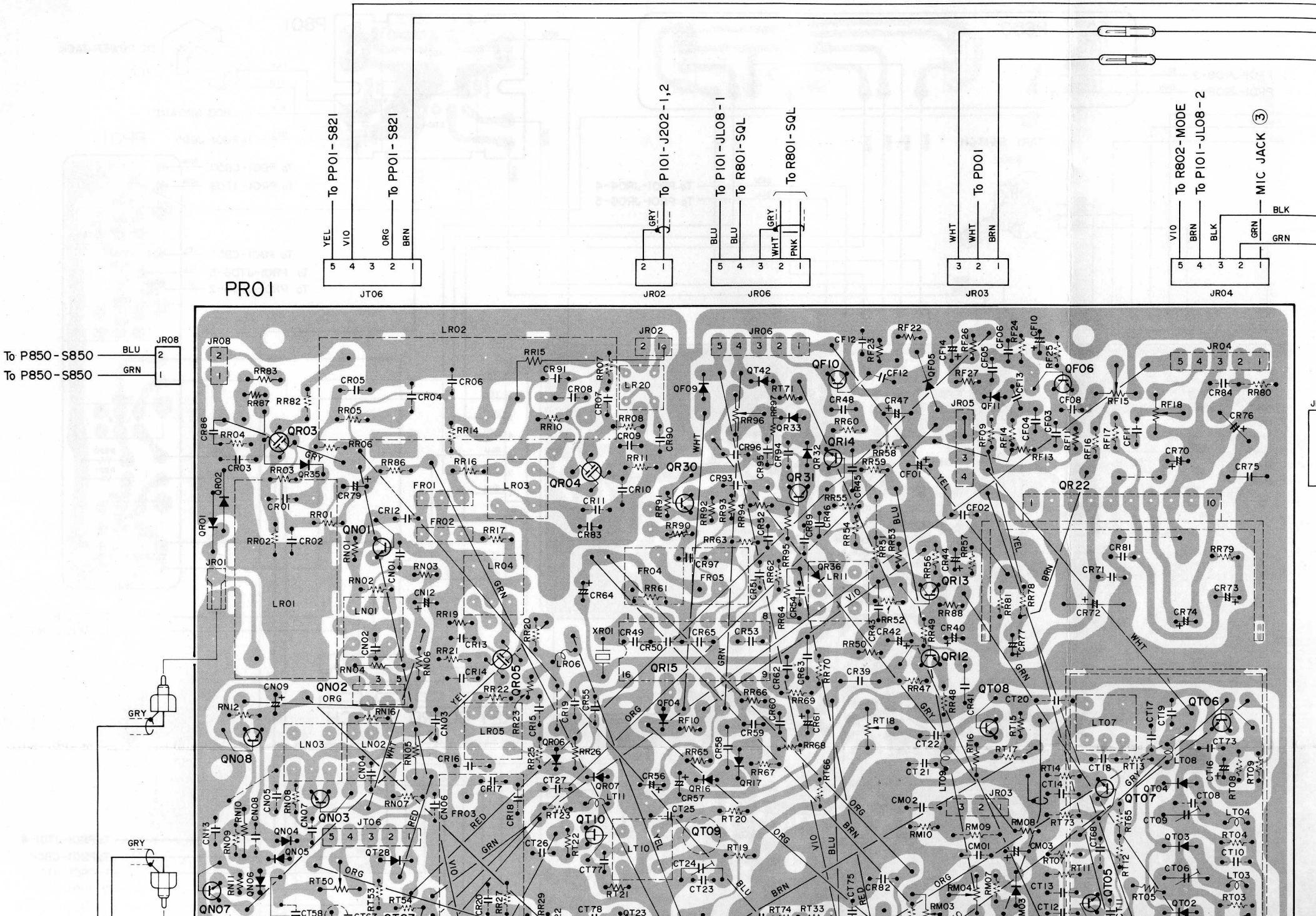
COMPONENT LOCATIONS

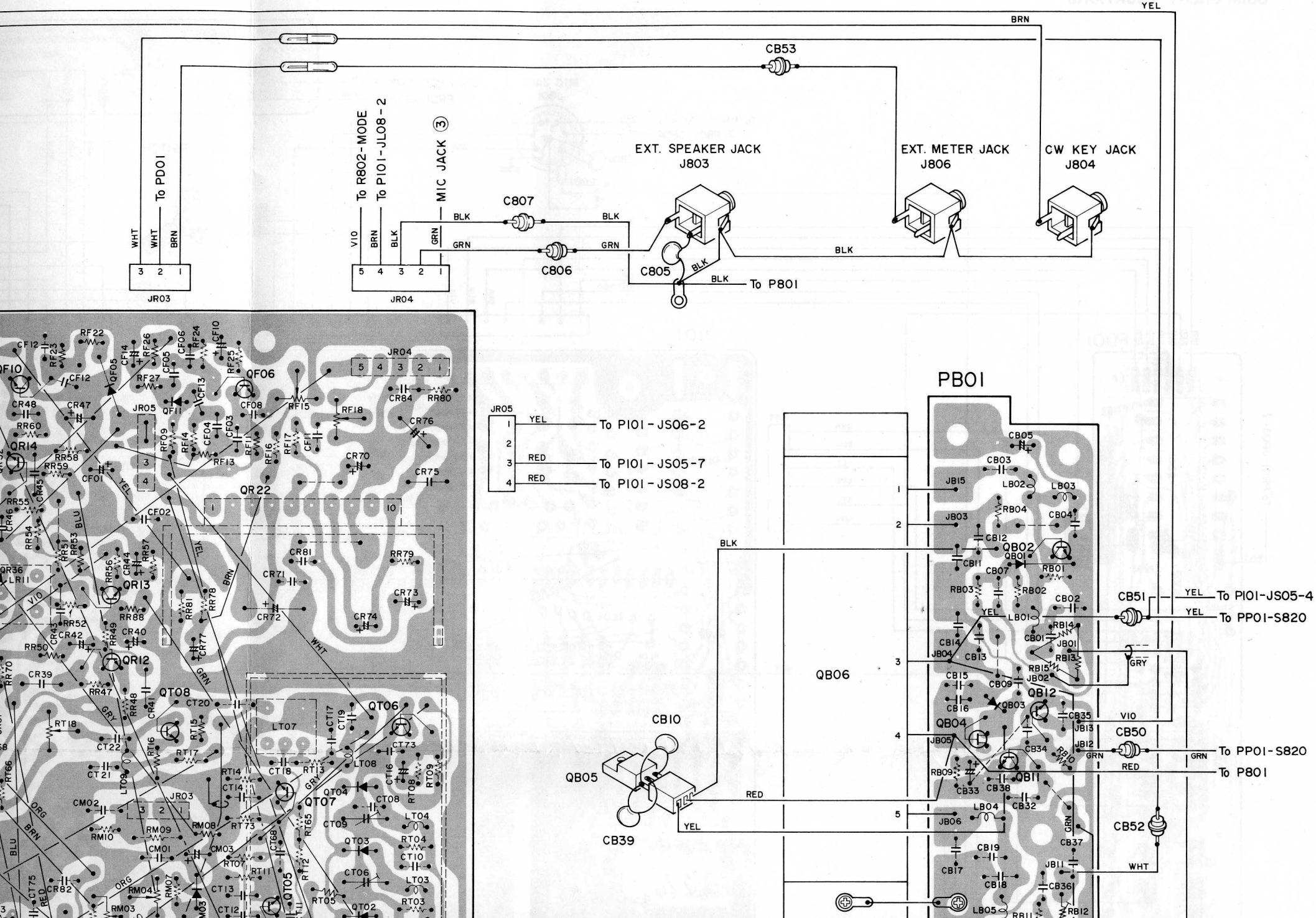


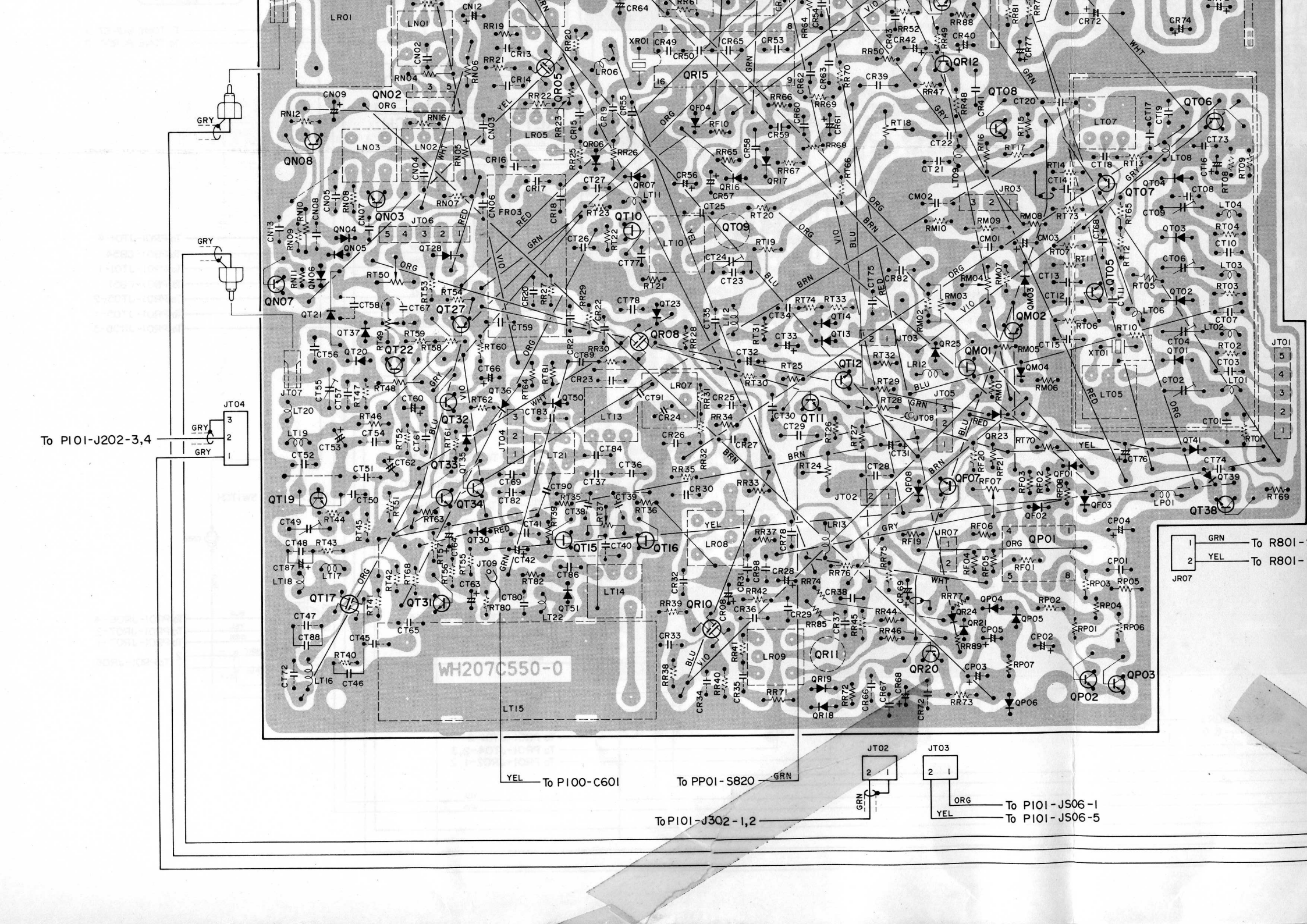

P850
RF SENS S850
VFO S851
STEP S852
SCAN S853
To PR01-JR08-2
To PR01-JR08-1
BLU
GRN
C824
ROTARY SWITCH
S802
ORG
BRN
RED
YEL
GRN
BLU
VIO
To PR01-JR04-4
To PR01-JR06-5
JL06
JL04
JL08
P801
S803
S804
C802
C804
Q802
C803
Q801
DC POWER JACK
J807
BLK
To J803 GROWND
To PB01-JB05
PP01
To PB01-CB50
To PR01-JT08
S820
POWER HI/LOW
C821
R822
To PB01-CB51
To PR01-JT06-5
To PR01-JT06-2
C823
S821
N.B
S822
F LOCK
R820
R821
S823
FAST
C822
JL03
JL07
JS01
JS02
LS01
LS03
QS01
QS02
QS03
QS04
QS06
QS07
QS09
QS14
QS27
QS28
QS29
QS31
QS34
Q550
Q401
Q402
Q403
Q404
Q105
Q106
Q107
QL02
QL10
QL11
QL12
QL13
S801
KEY BOARD SWITCH
JS05
To TONE BURST B
To TONE BURST D
To PR01-JT01-4
To PB01-CB54
To PR01-JT01-1
To PB01-CB51
To PR01-JT05-2

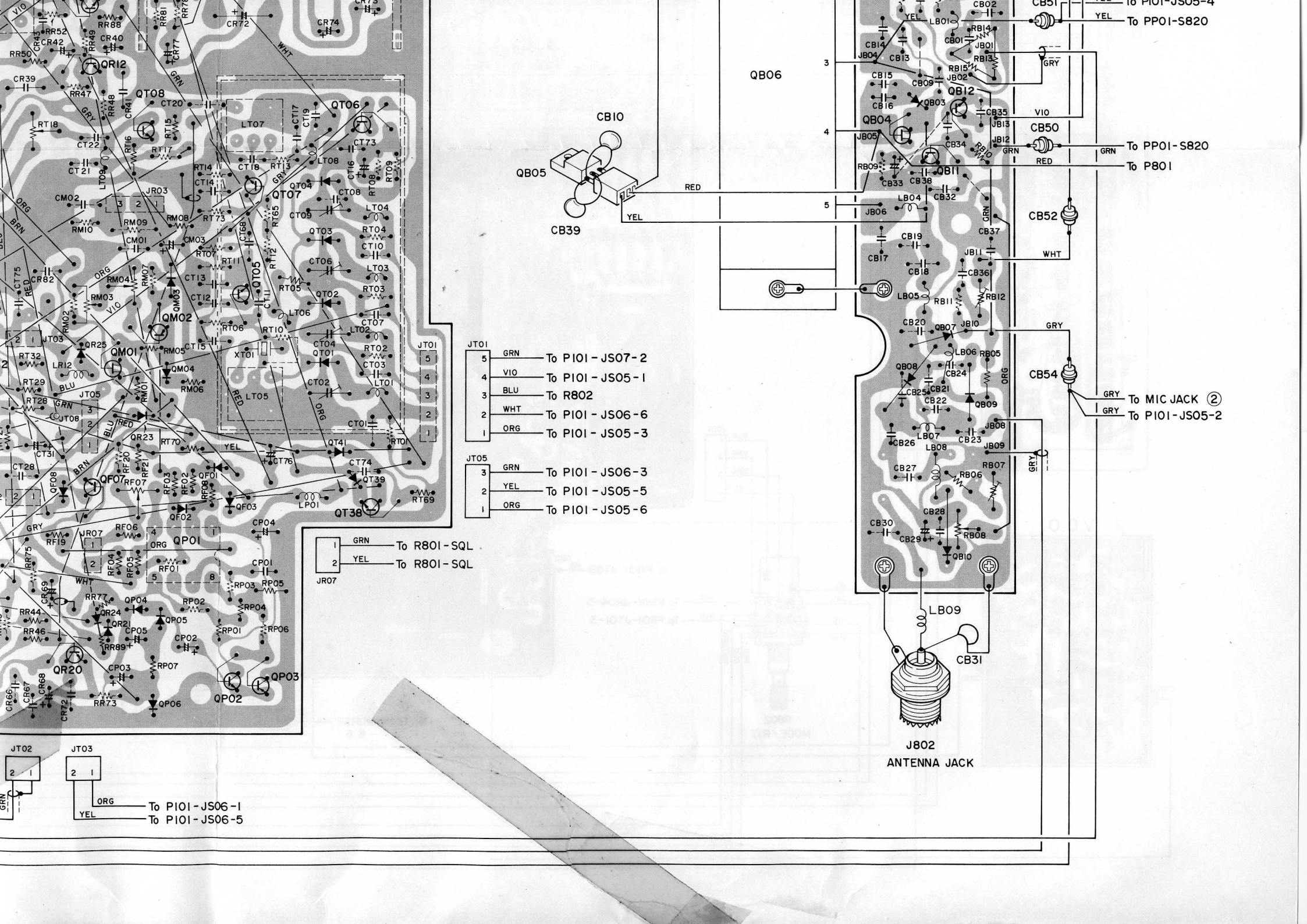

V.C.O
V.C.O
R802
MODE/RIT
To PR01-JT09
To PR01-JR04-5
To PR01-JT01-3
To TONE BURST
E,G
To PR01-JT02
-1,2
BRN
ORG
YEL
WHT/RED
YEL
GRN
YEL
GRN
YEL
BLU
BLK
GRN
RED
WHT
YEL
GRN
V10
BLU
WHT
RED
BLU
WHT/RED
GRY
YEL
BLK
ORG
BRN
YEL
V10
GRY
YEL
GRN
WHT
ORG
YEL
GRN
WHT
WH207C421-0


YEL
BRN
CB53
WHT
WHT
BRN
To PD01
JR03
VIO
BRN
BLK
GRN
To R802-MODE
To P101-JL08-2
MIC JACK (3)
JR04
C807
BLK
BLK
GRN
GRN
C806
EXT. SPEAKER JACK
J803
EXT. METER JACK
J806
CW KEY JACK
J804
C805
BLK
BLK
BLK
To P801
JR05
YEL
To P101-JS06-2
RED
To P101-JS05-7
RED
To P101-JS08-2
PB01
QB06
CB10
QB05
CB39
BLK
RED
YEL
CB51
YEL
To P101-JS05-4
YEL
To PP01-S820
GRY
VIO
CB50
GRN
To PP01-S820
RED
To P801
CB52
WHT
QR14
QR22
QR13
QR12
QF10
QF06
QF11
QT08
QT06
QT07
QT04
QT03
QT05
QT02
QB02
QB12
QB04
QB11

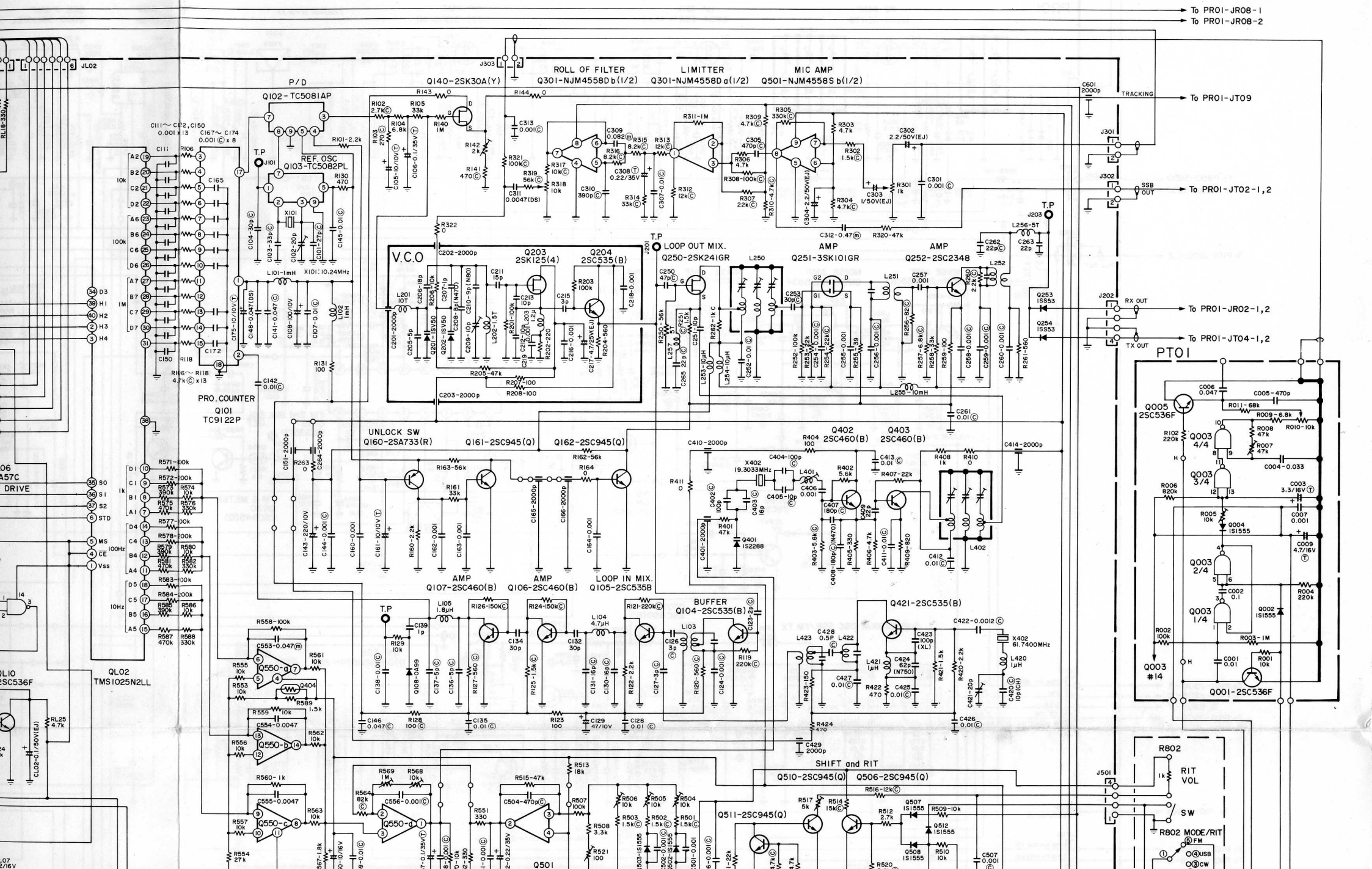

PR01
To P850-S850
To P850-S850
JR08
BLU
GRN
GRY
To PP01-S821
To PP01-S821
YEL
VIO
ORG
BRN
JT06
To P101-J202-1,2
GRY
JR02
To P101-JL08-1
To R801-SQL
To R801-SQL
BLU
BLU
WHT
GRY
PNK
JR06
WHT
To PD01
WHT
BRN
JR03
To R802-MODE
To P101-JL08-2
MIC JACK ③
VIO
BRN
BLK
GRN
BLK
GRN
JR04


YEL
BRN
CB53
WHT
WHT
BRN
To PD01
JR03
V10
BRN
BLK
GRN
To R802-MODE
To P101-JL08-2
MIC JACK (3)
JR04
C807
C806
BLK
GRN
EXT. SPEAKER JACK
J803
EXT. METER JACK
J806
CW KEY JACK
J804
C805
BLK
To P801
JR05
YEL
To P101-JS06-2
RED
To P101-JS05-7
RED
To P101-JS08-2
PB01
QB06
QB01
QB02
QB03
QB04
QB05
QB11
QB12
CB10
CB39
CB51
To P101-JS05-4
To PP01-S820
CB50
To PP01-S820
To P801
CB52
QR14
QR22
QR13
QR12
QT08
QT06
QT07
QT05
QF10
QF06
QF11

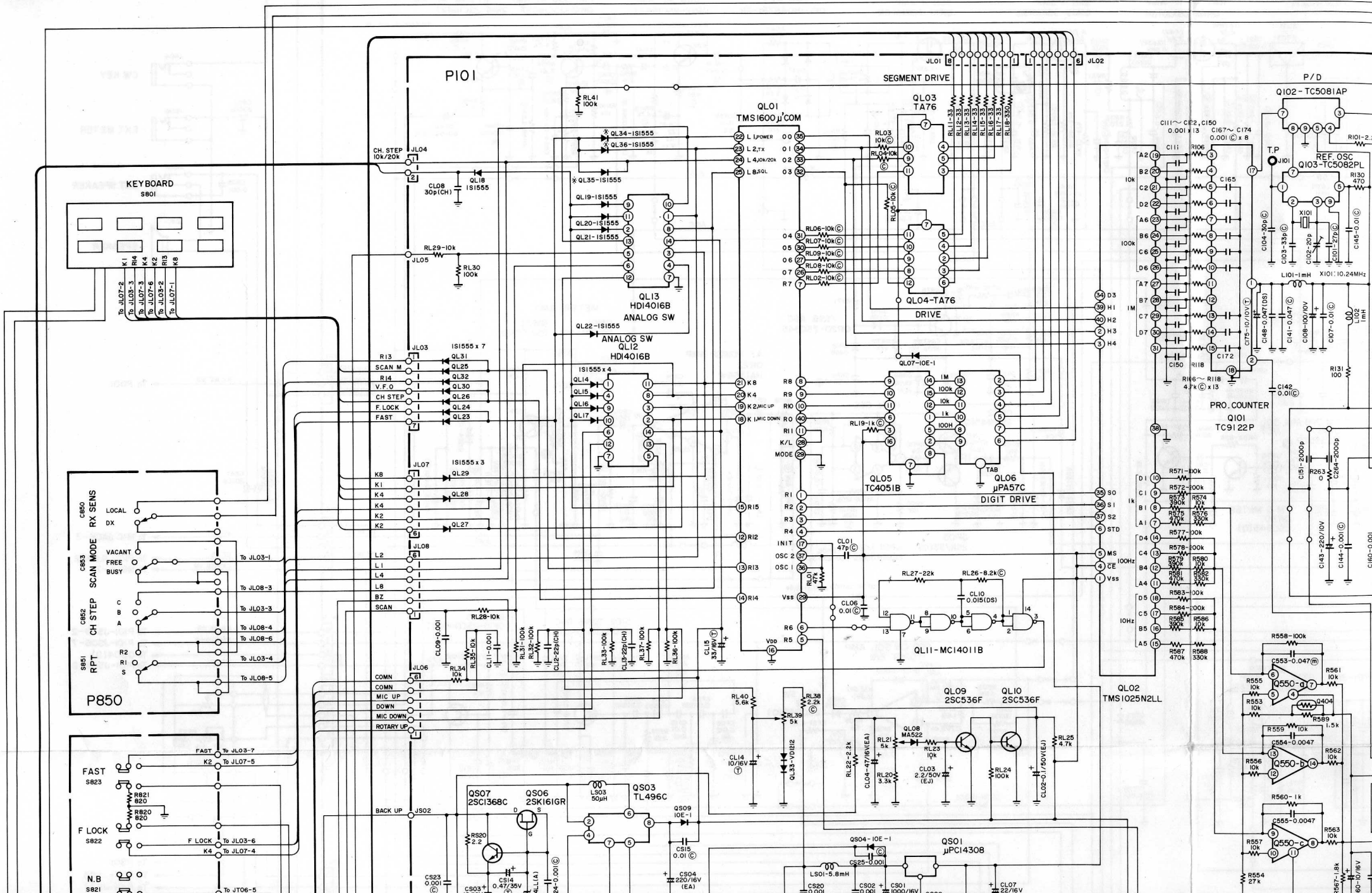

WH207C550-0
To P101-J202-3,4
To P100-C601
To PP01-S820
To P101-J302-1,2
To P101-JS06-1
To P101-JS06-5
To R801-
JT04
JT02
JT03
JR07
QN01
QN02
QN03
QN04
QN05
QN06
QN07
QN08
QR01
QR02
QR03
QR04
QR05
QR06
QR07
QR08
QR09
QR10
QR11
QR12
QR15
QR16
QR17
QR18
QR19
QR20
QT01
QT02
QT03
QT04
QT05
QT06
QT07
QT08
QT09
QT10
QT11
QT12
QT15
QT16
QT17
QT19
QT20
QT21
QT22
QT23
QT27
QT30
QT31
QT32
QT33
QT34
QT36
QT37
QT38
QT39
QT41
QT50
QT51
QM01
QM02
QM03
QM04
QP01
QP02
QP03
QP04
QP05
QP06
QF01
QF02
QF03
QF07
QF08
LR01
LR02
LR03
LR04
LR05
LR06
LR07
LR08
LR09
LR12
LR13
LT04
LT05
LT06
LT07
LT08
LT09
LT10
LT11
LT13
LT14
LT15
LT16
LT17
LT18
LT19
LT20
LT21
LT22
XR01
XT01
LP01

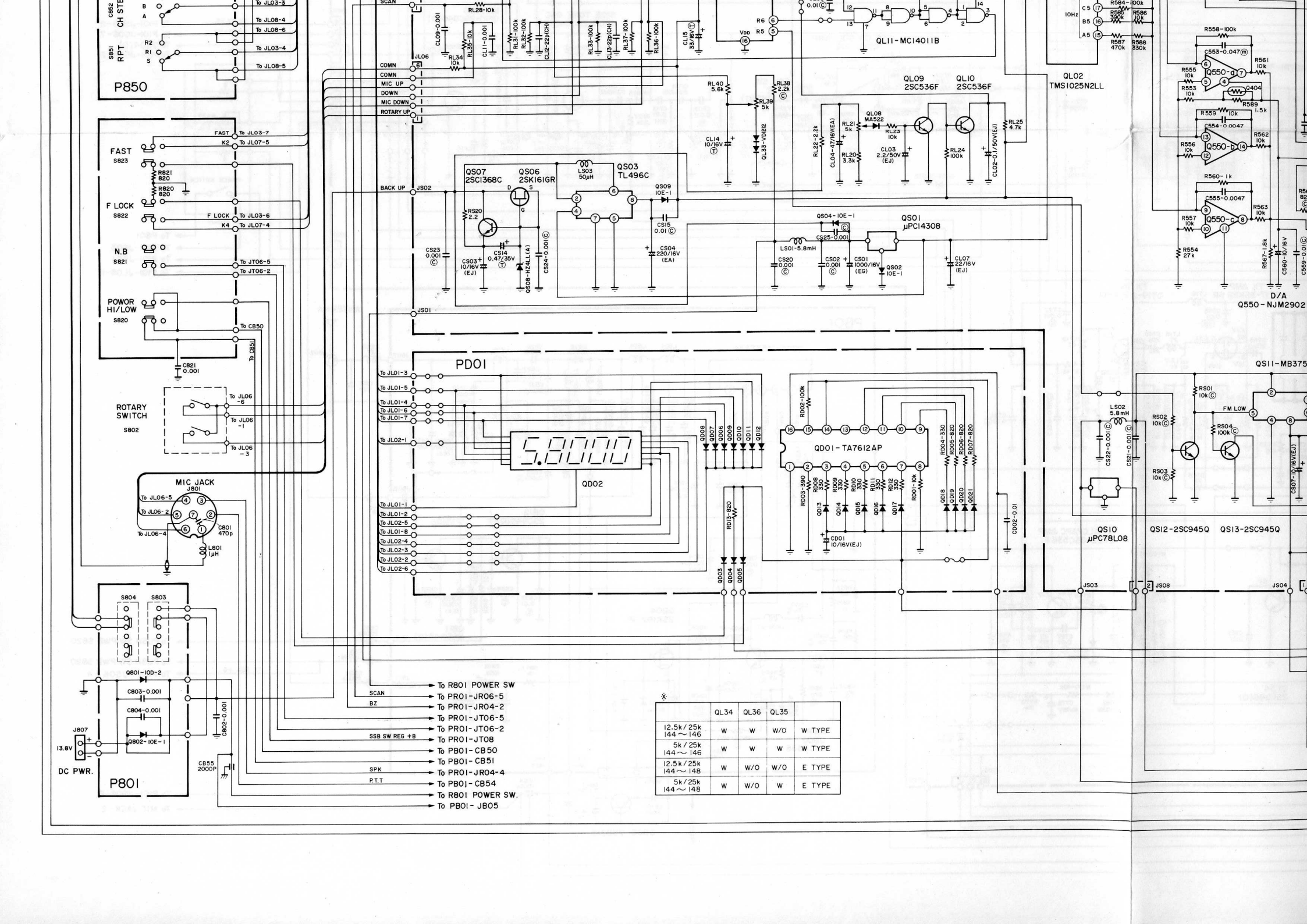

JT01
5 GRN To P101-JS07-2
4 VIO To P101-JS05-1
3 BLU To R802
2 WHT To P101-JS06-6
1 ORG To P101-JS05-3
JT05
3 GRN To P101-JS06-3
2 YEL To P101-JS05-5
1 ORG To P101-JS05-6
JR07
1 GRN To R801-SQL
2 YEL To R801-SQL
JT02
JT03
ORG To P101-JS06-1
YEL To P101-JS06-5
CB10
QB05
CB39
RED
YEL
QB06
CB51
To P101-JS05-4
YEL
To PP01-S820
GRY
CB50
To PP01-S820
GRN
RED
To P801
VIO
CB52
WHT
GRY
CB54
To MIC JACK ②
GRY
To P101-JS05-2
LB09
CB31
J802
ANTENNA JACK

SCHEMATIC DIAGRAM FOR MODEL C5800

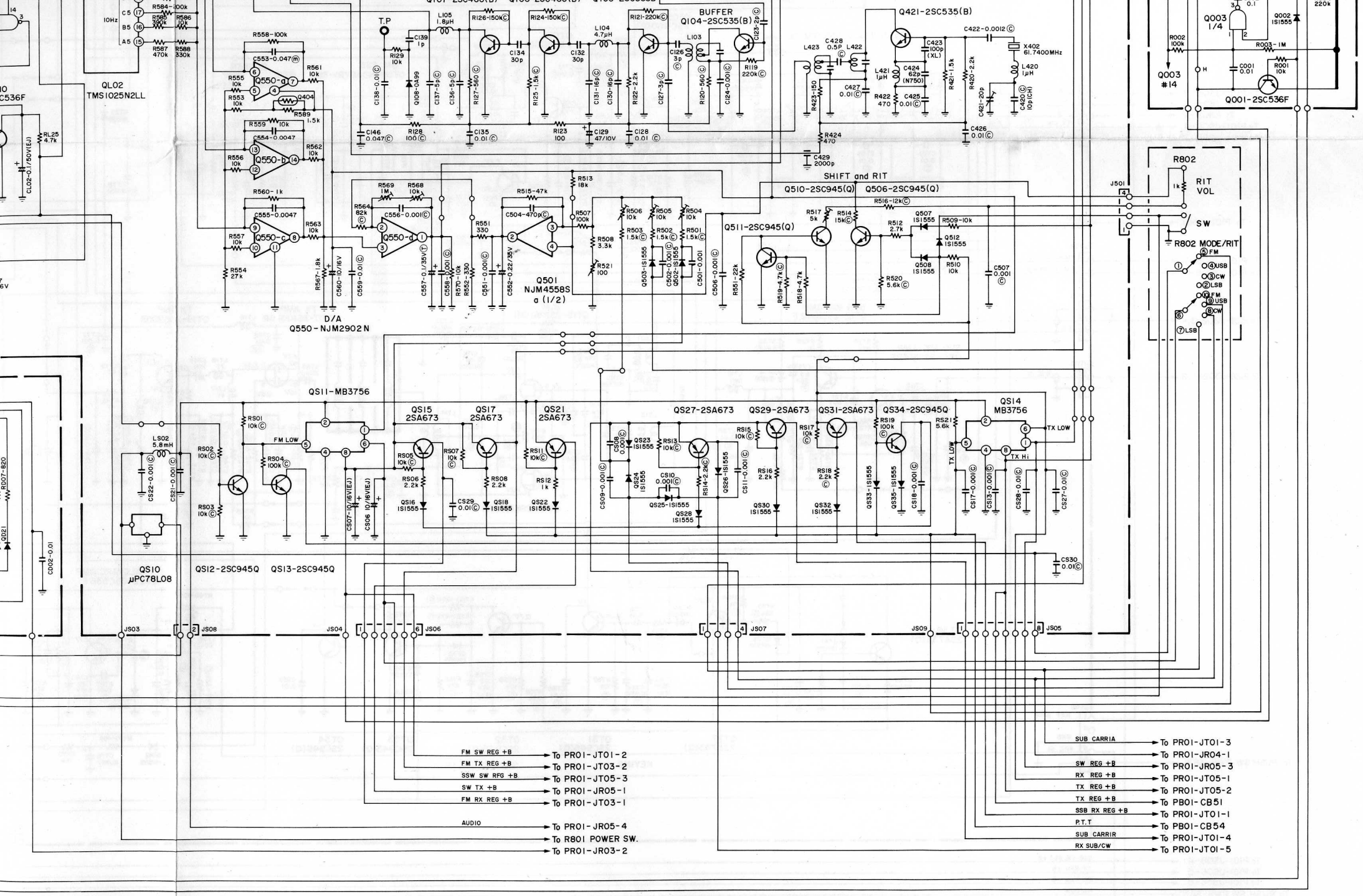


STANDARD®

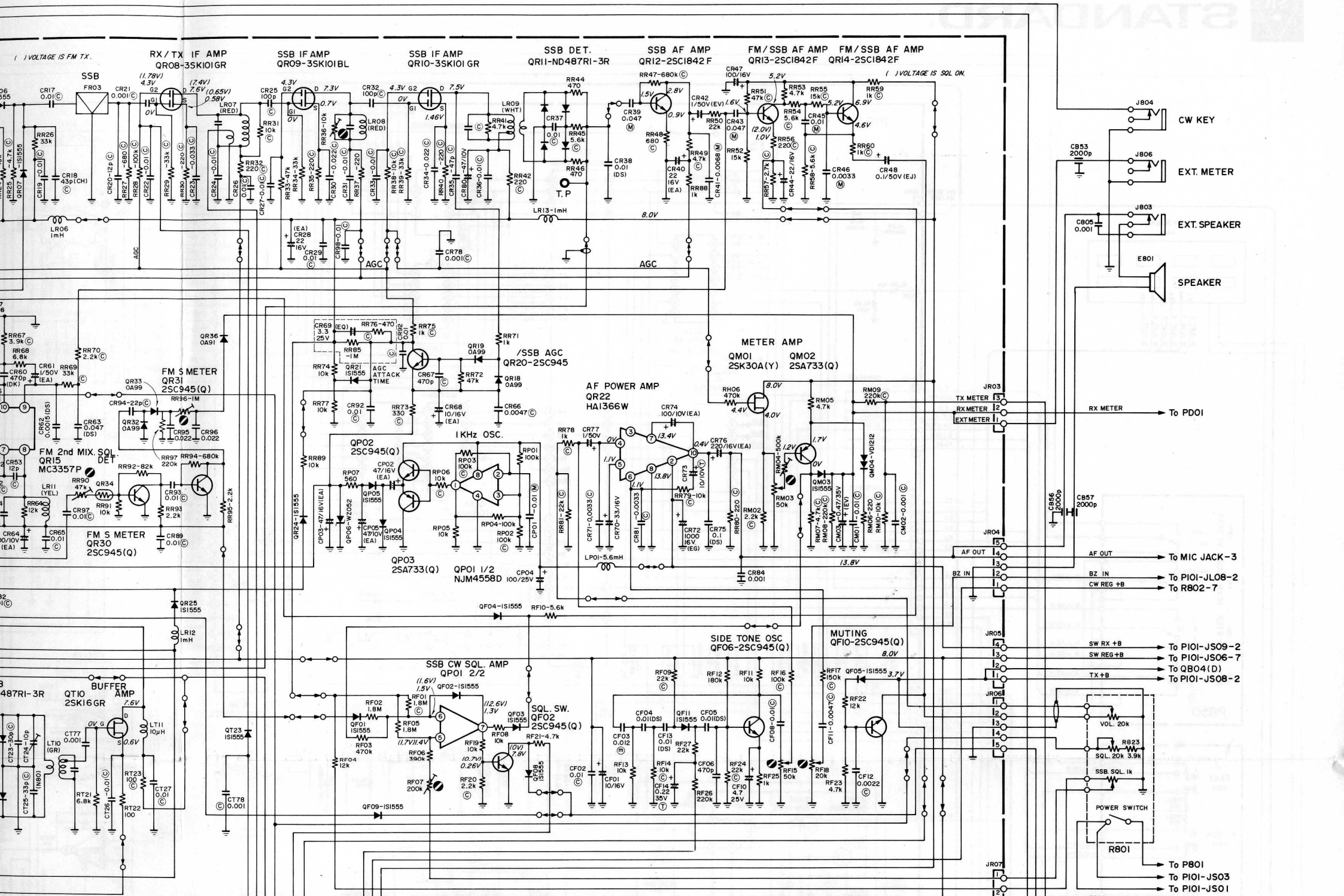

P101
KEYBOARD
S801
P850
QL01 TMS1600μ'COM
QL03 TA76
QL04-TA76 DRIVE
QL13 HDI4016B ANALOG SW
QL12 HDI4016B ANALOG SW
QL05 TC4051B
QL06 μPA57C DIGIT DRIVE
QL11-MC14011B
QL02 TMS1025N2LL
P/D Q102-TC5081AP
REF. OSC Q103-TC5082PL
PRO. COUNTER Q101 TC9122P
QS01 μPC14308
QS03 TL496C
QS06 2SK161GR
QS07 2SC1368C
QL09 2SC536F
QL10 2SC536F
SEGMENT DRIVE
FAST S823
F LOCK S822
N.B S821
RPT S851
SCAN MODE S853
CH STEP S852
RX SENS S850

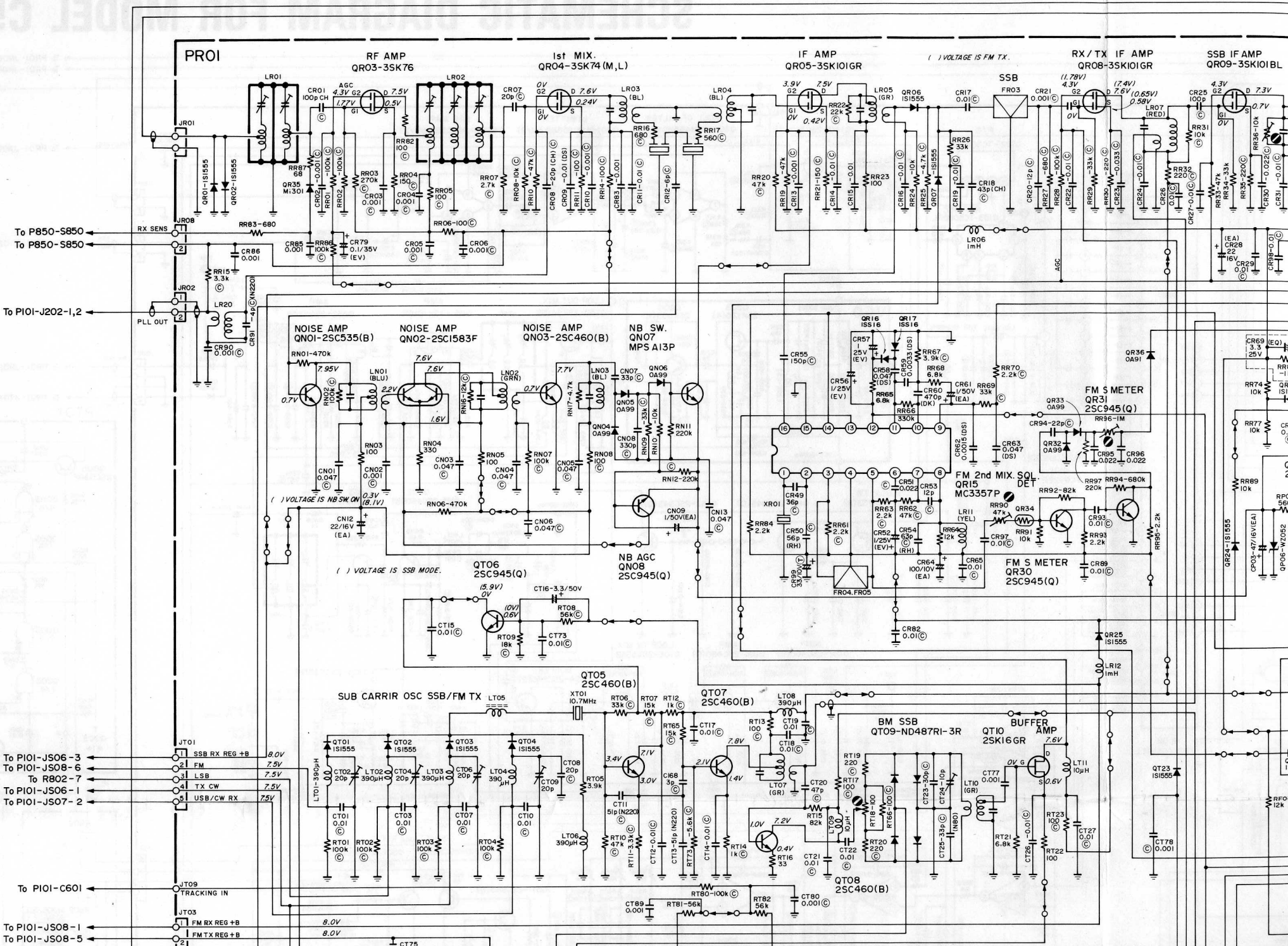


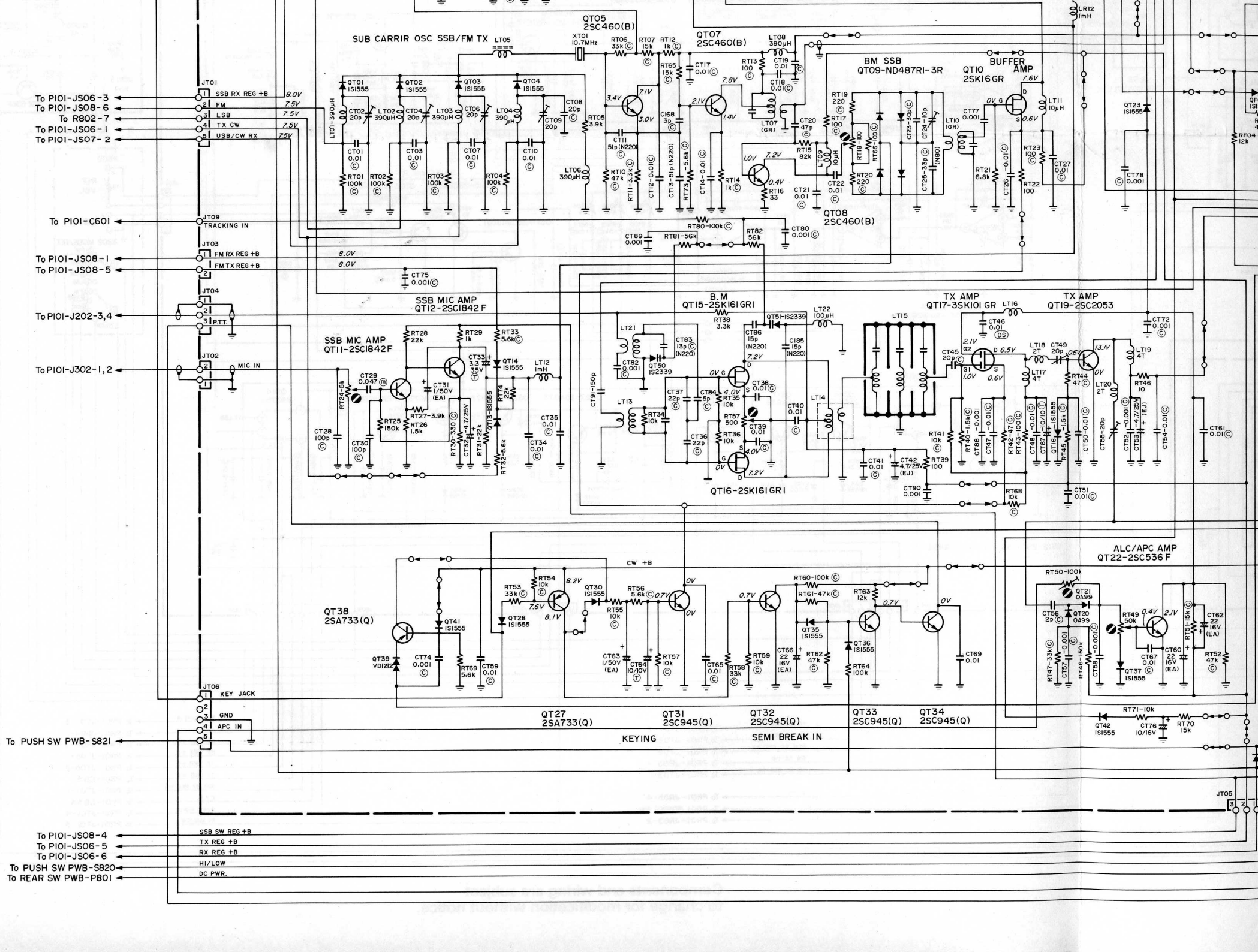
※	QL34	QL36	QL35	
12.5k/25k 144～146	W	W	W/O	W TYPE
5k/25k 144～146	W	W	W	W TYPE
12.5k/25k 144～148	W	W/O	W/O	E TYPE
5k/25k 144～148	W	W/O	W	E TYPE

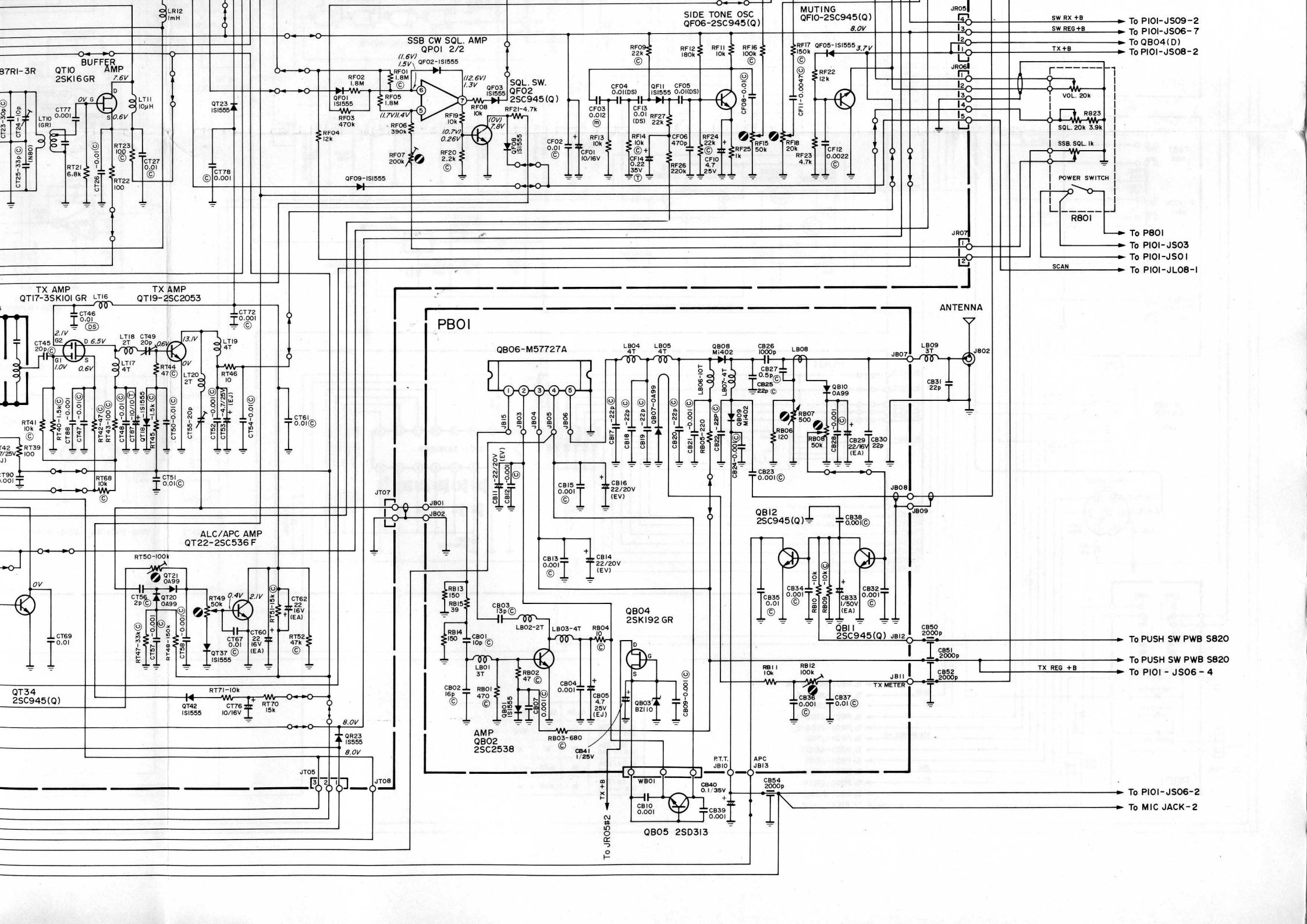


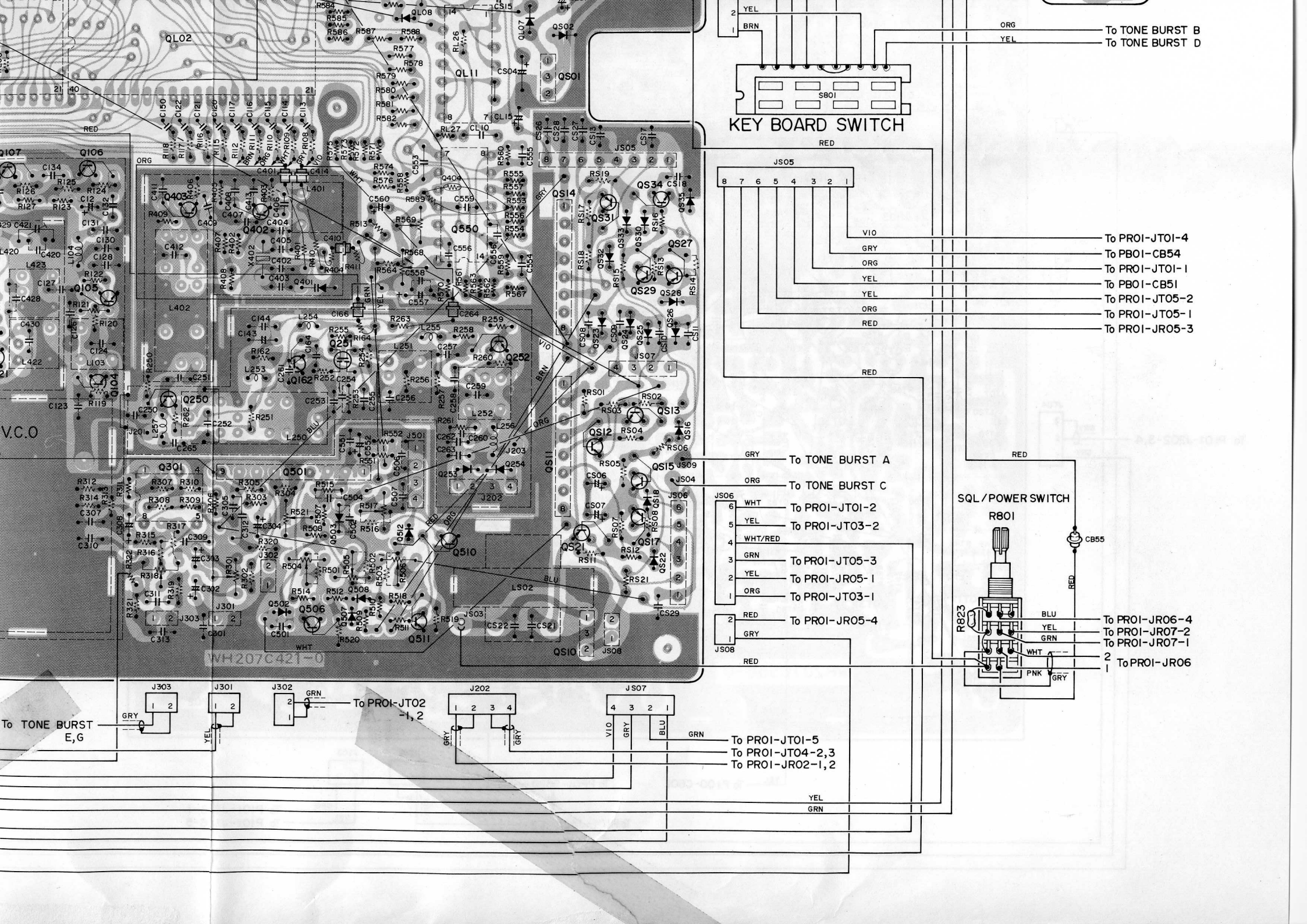
Components and wiring are subject to change for modification without notice.


( ) VOLTAGE IS FM TX.
( ) VOLTAGE IS SQL ON.
RX/TX IF AMP QR08-3SK101GR
SSB IF AMP QR09-3SK101BL
SSB IF AMP QR10-3SK101GR
SSB DET. QR11-ND487RI-3R
SSB AF AMP QR12-2SC1842F
FM/SSB AF AMP QR13-2SC1842F
FM/SSB AF AMP QR14-2SC1842F
SSB
AGC
/SSB AGC QR20-2SC945
METER AMP
QM01 2SK30A(Y) QM02 2SA733(Q)
AF POWER AMP QR22 HA1366W
FM S METER QR31 2SC945(Q)
FM 2nd MIX. SQL. DET QR15 MC3357P
FM S METER QR30 2SC945(Q)
1KHz OSC.
QP02 2SC945(Q)
QP03 2SA733(Q)
QP01 1/2 NJM4558D
SIDE TONE OSC QF06-2SC945(Q)
MUTING QF10-2SC945(Q)
SSB CW SQL. AMP QP01 2/2
SQL. SW. QF02 2SC945(Q)
BUFFER AMP QT10 2SK16GR
CW KEY
EXT. METER
EXT. SPEAKER
SPEAKER
TX METER
RX METER
EXT METER
To PD01
AF OUT
To MIC JACK-3
BZ IN
To PI01-JL08-2
CW REG +B
To R802-7
SW RX +B
To PI01-JS09-2
SW REG +B
To PI01-JS06-7
TX +B
To QB04(D)
To PI01-JS08-2
VOL. 20k
SQL. 20k 3.9k
SSB. SQL. 1k
POWER SWITCH
R801
To P801
To PI01-JS03
To PI01-JS01


PRO1
RF AMP
QR03-3SK76
1st MIX.
QR04-3SK74(M,L)
IF AMP
QR05-3SK101GR
( ) VOLTAGE IS FM TX.
RX/TX IF AMP
QR08-3SK101GR
SSB IF AMP
QR09-3SK101BL
SSB
FR03
NOISE AMP
QN01-2SC535(B)
NOISE AMP
QN02-2SC1583F
NOISE AMP
QN03-2SC460(B)
NB SW.
QN07
MPS A13P
NB AGC
QN08
2SC945(Q)
( ) VOLTAGE IS NB SW. ON
( ) VOLTAGE IS SSB MODE.
FM S METER
QR31
2SC945(Q)
FM 2nd MIX. SQL. DET
QR15
MC3357P
FM S METER
QR30
2SC945(Q)
FR04.FR05
QT06
2SC945(Q)
QT05
2SC460(B)
SUB CARRIR OSC SSB/FM TX
XT01
10.7MHz
QT07
2SC460(B)
BM SSB
QT09-ND487RI-3R
BUFFER AMP
QT10
2SK16GR
QT08
2SC460(B)
To P850-S850
To P850-S850
To P101-J202-1,2
PLL OUT
RX SENS
To P101-JS06-3
To P101-JS08-6
To R802-7
To P101-JS06-1
To P101-JS07-2
SSB RX REG +B
FM
LSB
TX CW
USB/CW RX
To P101-C601
TRACKING IN
To P101-JS08-1
To P101-JS08-5
FM RX REG +B
FM TX REG +B


SUB CARRIR OSC SSB/FM TX
QT05 2SC460(B)
QT07 2SC460(B)
QT08 2SC460(B)
BM SSB QT09-ND487RI-3R
BUFFER AMP QT10 2SK16GR
SSB MIC AMP QT12-2SC1842F
SSB MIC AMP QT11-2SC1842F
B.M QT15-2SK161GRI
QT16-2SK161GRI
TX AMP QT17-3SK101GR
TX AMP QT19-2SC2053
ALC/APC AMP QT22-2SC536F
QT38 2SA733(Q)
QT27 2SA733(Q)
QT31 2SC945(Q)
QT32 2SC945(Q)
QT33 2SC945(Q)
QT34 2SC945(Q)
KEYING
SEMI BREAK IN
CW +B
JT01
JT02
JT03
JT04
JT05
JT06
JT09
SSB RX REG +B
FM
LSB
TX CW
USB/CW RX
TRACKING IN
FM RX REG +B
FM TX REG +B
P.T.T.
MIC IN
KEY JACK
GND
APC IN
To PI01-JS06-3
To PI01-JS08-6
To R802-7
To PI01-JS06-1
To PI01-JS07-2
To PI01-C601
To PI01-JS08-1
To PI01-JS08-5
To PI01-J202-3,4
To PI01-J302-1,2
To PUSH SW PWB-S821
To PI01-JS08-4
To PI01-JS06-5
To PI01-JS06-6
To PUSH SW PWB-S820
To REAR SW PWB-P801
SSB SW REG +B
TX REG +B
RX REG +B
HI/LOW
DC PWR.


BUFFER AMP QT10 2SK16GR
SSB CW SQL. AMP QP01 2/2
SQL. SW. QF02 2SC945(Q)
SIDE TONE OSC QF06-2SC945(Q)
MUTING QF10-2SC945(Q)
SW RX +B
SW REG+B
TX +B
To PI01-JS09-2
To PI01-JS06-7
To QB04(D)
To PI01-JS08-2
VOL. 20k
SQL. 20k 3.9k
SSB. SQL. 1k
POWER SWITCH
R801
To P801
To PI01-JS03
To PI01-JS01
SCAN
To PI01-JL08-1
TX AMP QT17-3SK101 GR
TX AMP QT19-2SC2053
PB01
QB06-M57727A
ANTENNA
QB12 2SC945(Q)
QB11 2SC945(Q)
QB04 2SK192 GR
AMP QB02 2SC2538
QB05 2SD313
ALC/APC AMP QT22-2SC536F
QT34 2SC945(Q)
To PUSH SW PWB S820
To PUSH SW PWB S820
TX REG +B
To PI01 - JS06 - 4
To PI01-JS06-2
To MIC JACK-2
To JR05#2


KEY BOARD SWITCH
S801
ORG
YEL
BRN
To TONE BURST B
To TONE BURST D
RED
JS05
8 7 6 5 4 3 2 1
VIO
GRY
ORG
YEL
YEL
ORG
RED
To PR01-JT01-4
To PB01-CB54
To PR01-JT01-1
To PB01-CB51
To PR01-JT05-2
To PR01-JT05-1
To PR01-JR05-3
GRY
To TONE BURST A
ORG
To TONE BURST C
JS06
WHT
To PR01-JT01-2
YEL
To PR01-JT03-2
WHT/RED
GRN
To PR01-JT05-3
YEL
To PR01-JR05-1
ORG
To PR01-JT03-1
JS08
RED
To PR01-JR05-4
GRY
RED
SQL/POWER SWITCH
R801
CB55
RED
R823
BLU
YEL
GRN
WHT
PNK
GRY
To PR01-JR06-4
To PR01-JR07-2
To PR01-JR07-1
2
1
To PR01-JR06
J303
J301
J302
GRN
To PR01-JT02
-1, 2
J202
JS07
GRY
To TONE BURST
E, G
VIO
GRY
BLU
GRN
To PR01-JT01-5
To PR01-JT04-2,3
To PR01-JR02-1,2
YEL
GRN
WH207C421-0
V.C.O