STANDARD®

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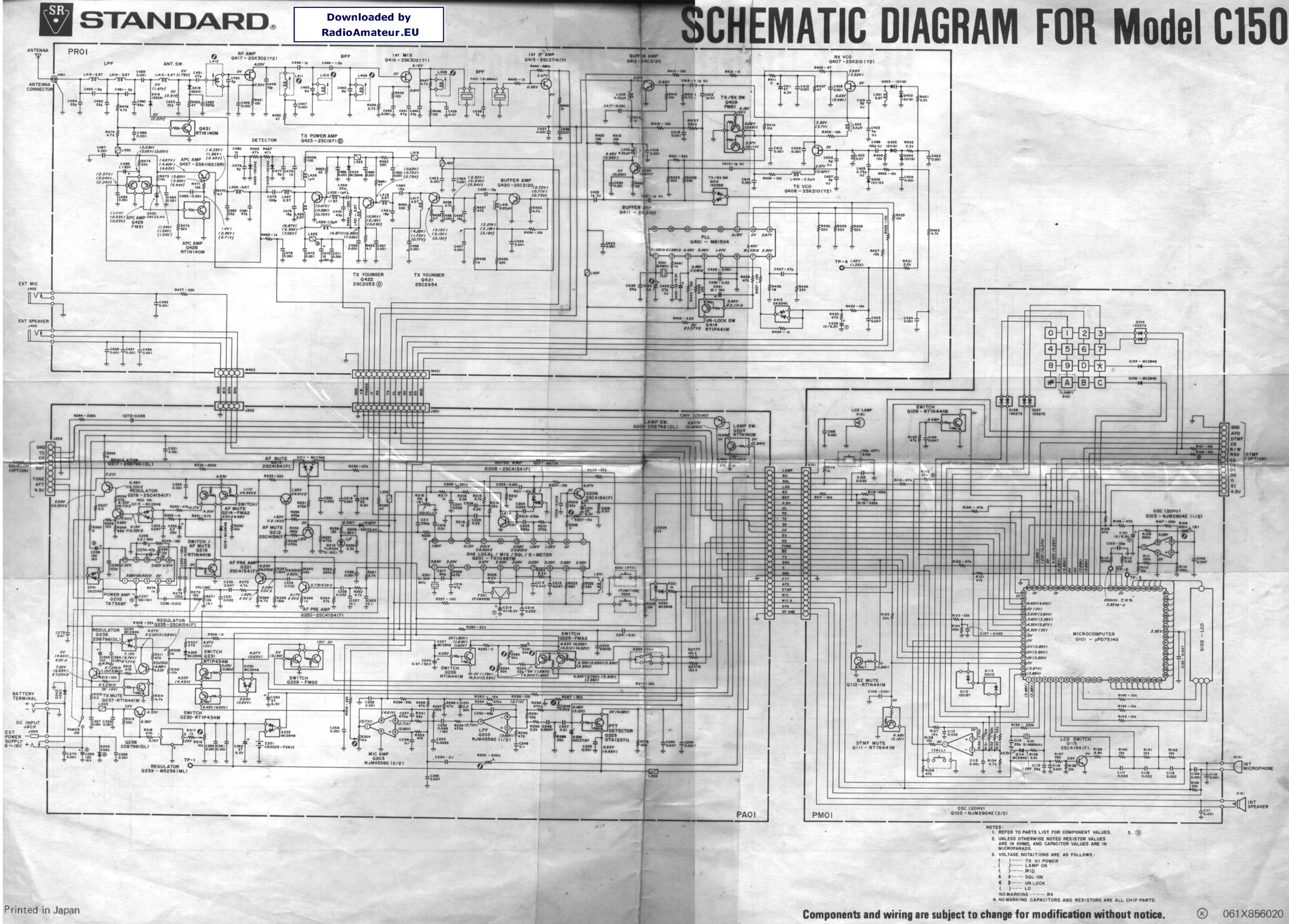
SCHEMATIC DIAGRAM FOR Model C150

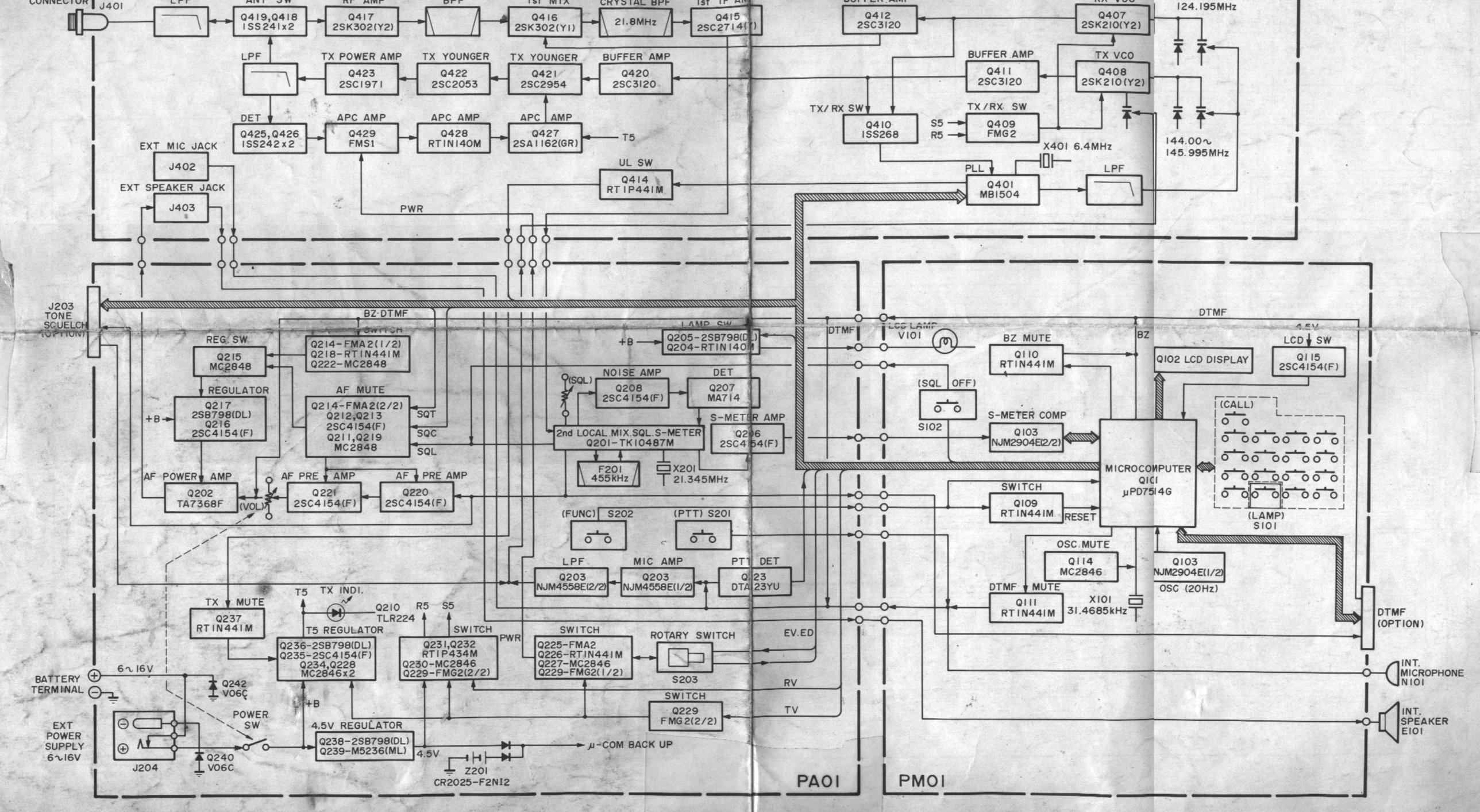


NOTES:
1. REFER TO PARTS LIST FOR COMPONENT VALUES.
2. UNLESS OTHERWISE NOTED RESISTOR VALUES ARE IN OHMS, AND CAPACITOR VALUES ARE IN MICROFARADS.
3. VOLTAGE NOTAITIONS ARE AS FOLLOWS:
   ( )---- TX HI POWER
   [ ]---- LAMP ON
   ( )---- MIO
   { }---- SQL ON
   ⟨ ⟩---- UN LOCK
   ( )--- LO
   NO MARKING---- RX
4. NO MARKING CAPACITORS AND RESISTORS ARE ALL CHIP PARTS.
5. Ⓓ

Printed in Japan

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

Ⓚ 061X856020


CONNECTOR
J401
LPF
ANT SW
Q419,Q418
1SS241x2
RF AMP
Q417
2SK302(Y2)
BPF
1st MIX
Q416
2SK302(Y1)
CRYSTAL BPF
21.8MHz
1st IF AMP
Q415
2SC2714(Y)
Q412
2SC3120
RX VCO
Q407
2SK210(Y2)
124.195MHz
LPF
TX POWER AMP
Q423
2SC1971
TX YOUNGER
Q422
2SC2053
TX YOUNGER
Q421
2SC2954
BUFFER AMP
Q420
2SC3120
BUFFER AMP
Q411
2SC3120
TX VCO
Q408
2SK210(Y2)
DET
Q425,Q426
1SS242x2
APC AMP
Q429
FMS1
APC AMP
Q428
RT1N140M
APC AMP
Q427
2SA1162(GR)
T5
TX/RX SW
Q410
1SS268
S5
R5
TX/RX SW
Q409
FMG2
144.00~
145.995MHz
X401 6.4MHz
PLL
Q401
MB1504
LPF
EXT MIC JACK
J402
EXT SPEAKER JACK
J403
UL SW
Q414
RT1P441M
PWR
J203
TONE
SQUELCH
(OPTION)
BZ·DTMF
SWITCH
REG. SW
Q215
MC2848
Q214-FMA2(1/2)
Q218-RT1N441M
Q222-MC2848
LAMP SW
+B
Q205-2SB798(DL)
Q204-RT1N140M
DTMF
LCD LAMP
V101
BZ MUTE
Q110
RT1N441M
BZ
Q102 LCD DISPLAY
4.5V
LCD SW
Q115
2SC4154(F)
DTMF
REGULATOR
Q217
2SB798(DL)
Q216
2SC4154(F)
+B
AF MUTE
Q214-FMA2(2/2)
Q212,Q213
2SC4154(F)
Q211,Q219
MC2848
SQT
SQC
SQL
NOISE AMP
Q208
2SC4154(F)
(SQL)
DET
Q207
MA714
S-METER AMP
Q206
2SC4154(F)
2nd LOCAL.MIX.SQL.S-METER
Q201-TK10487M
F201
455kHz
X201
21.345MHz
(SQL OFF)
S102
S-METER COMP
Q103
NJM2904E(2/2)
(CALL)
MICROCOMPUTER
Q101
μPD7514G
(LAMP)
S101
AF POWER AMP
Q202
TA7368F
(VOL)
AF PRE AMP
Q221
2SC4154(F)
AF PRE AMP
Q220
2SC4154(F)
SWITCH
Q109
RT1N441M
RESET
(FUNC) S202
(PTT) S201
OSC.MUTE
Q114
MC2846
Q103
NJM2904E(1/2)
OSC (20Hz)
LPF
Q203
NJM4558E(2/2)
MIC AMP
Q203
NJM4558E(1/2)
PTT DET
Q123
DTA123YU
DTMF MUTE
Q111
RT1N441M
X101
31.4685kHz
DTMF
(OPTION)
TX MUTE
Q237
RT1N441M
T5
TX INDI.
Q210
TLR224
R5
S5
T5 REGULATOR
Q236-2SB798(DL)
Q235-2SC4154(F)
Q234,Q228
MC2846x2
SWITCH
Q231,Q232
RT1P434M
Q230-MC2846
Q229-FMG2(2/2)
PWR
SWITCH
Q225-FMA2
Q226-RT1N441M
Q227-MC2846
Q229-FMG2(1/2)
ROTARY SWITCH
S203
EV.ED
RV
TV
SWITCH
Q229
FMG2(2/2)
BATTERY TERMINAL
6~16V
Q242
V06C
Q240
V06C
EXT POWER SUPPLY 6~16V
J204
POWER SW
+B
4.5V REGULATOR
Q238-2SB798(DL)
Q239-M5236(ML)
4.5V
Z201
CR2025-F2N12
μ-COM BACK UP
INT. MICROPHONE N101
INT. SPEAKER E101
PA01
PM01