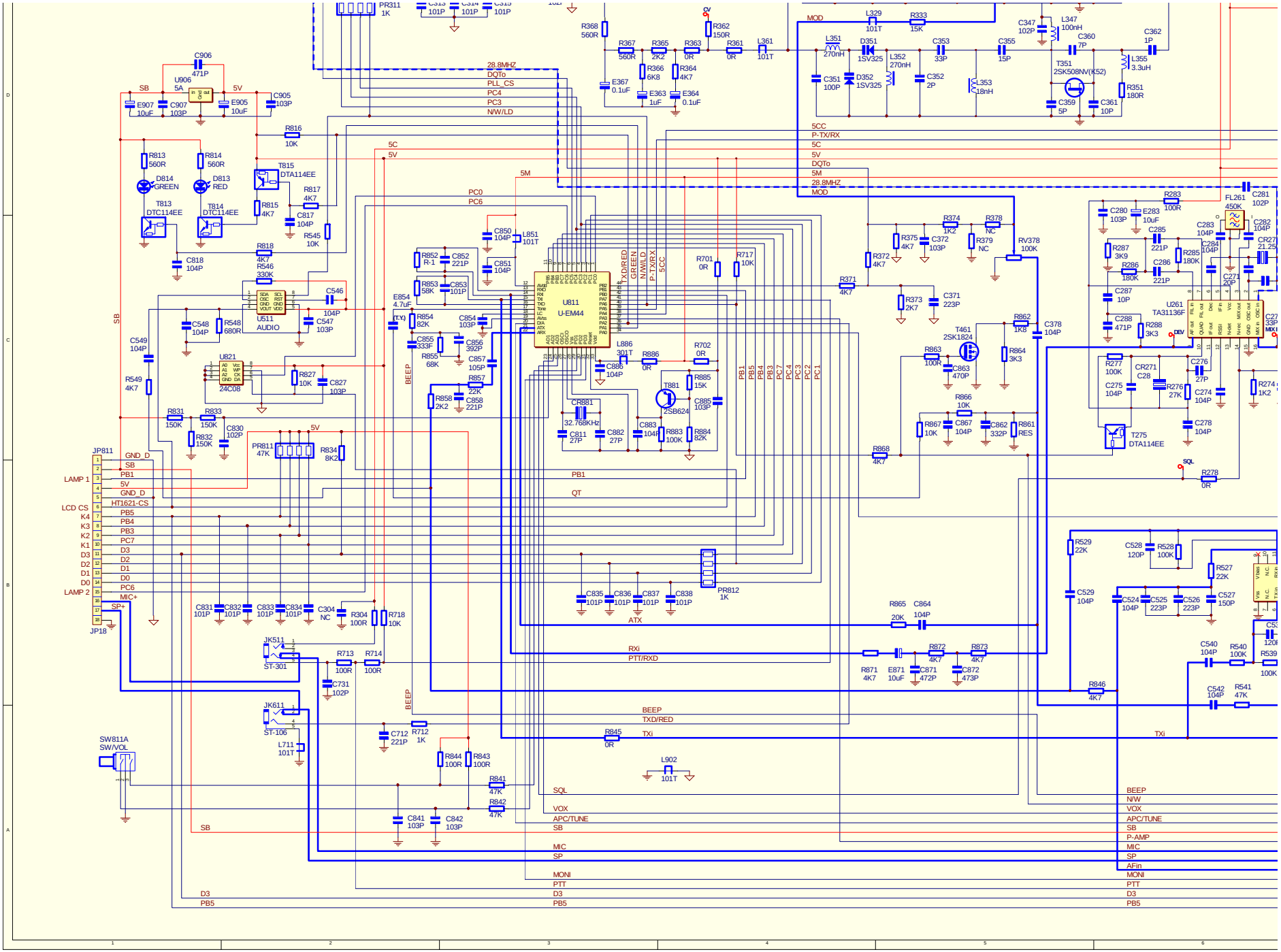
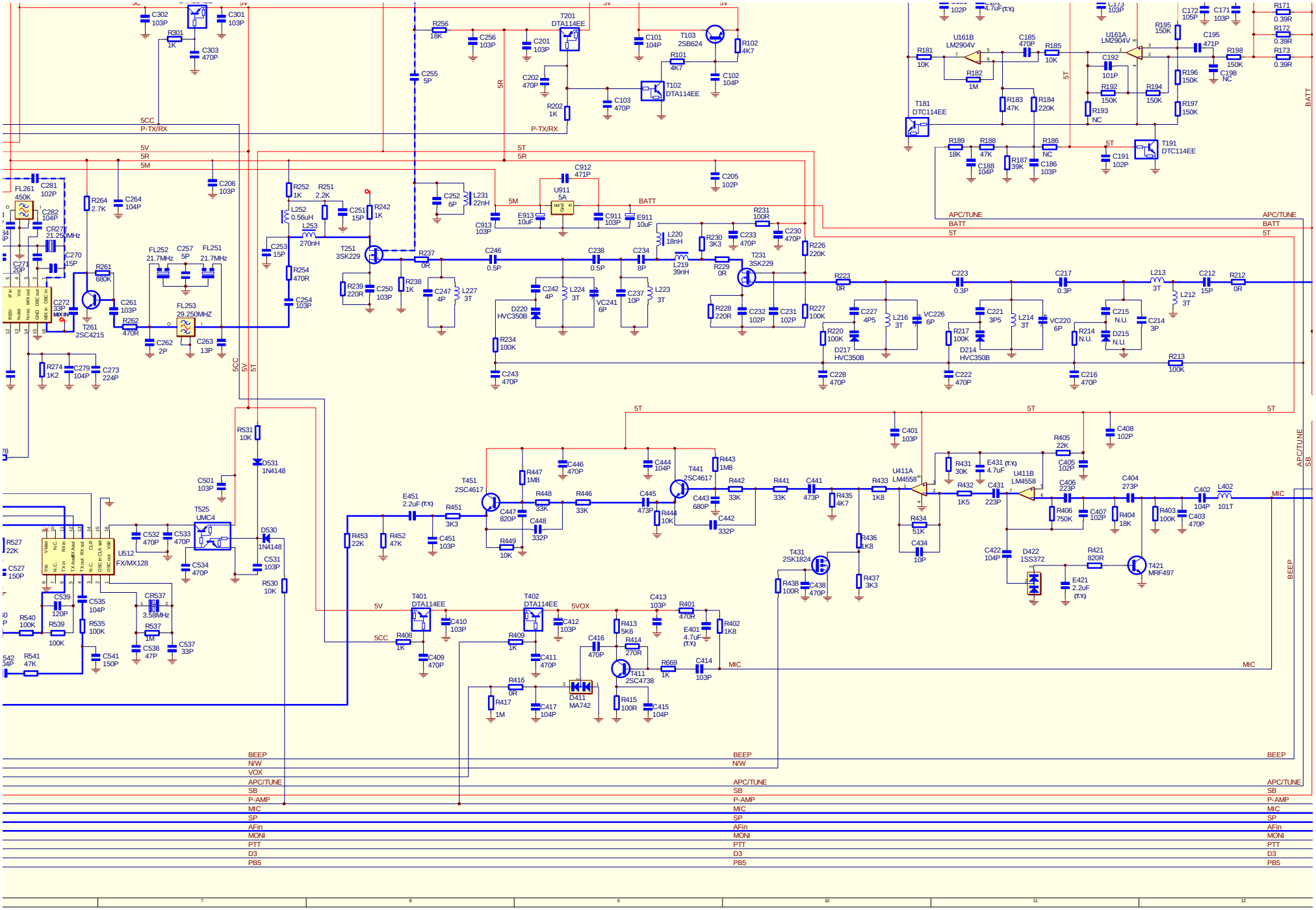
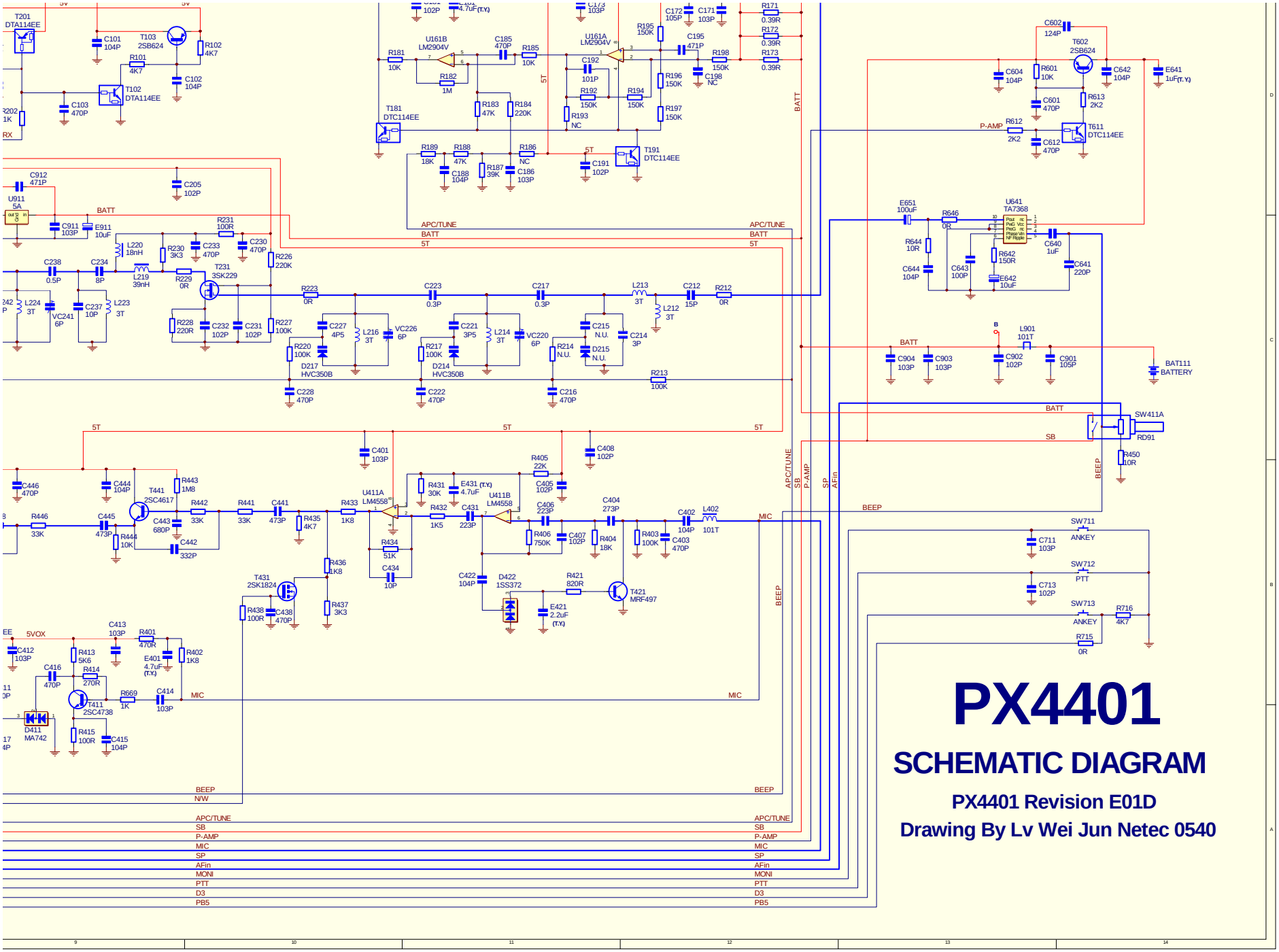

U811
U-EM44
U511
AUDIO
U906
5A
U821
24C08
T815
DTA114EE
T813
DTC114EE
T814
DTC114EE
D814
GREEN
D813
RED
T881
2SB624
T461
2SK1824
T351
2SK508NV(K52)
T275
DTA114EE
U261
TA31136F
FL261
450K
JP811
JP18
JK511
ST-301
JK611
ST-106
SW811A
SW/VOL
PR311
1K
PR811
47K
PR812
1K
CR881
32.768KHz
28.8MHZ
DQTo
PLL_CS
PC4
PC3
N/W/LD
5CC
P-TX/RX
5C
5V
DQTo
5M
28.8MHZ
MOD
PC0
PC6
SB
BEEP
PB1
QT
ATX
RXi
PTT/RXD
TXi
SQL
VOX
APC/TUNE
MIC
SP
MONI
PTT
D3
PB5
N/W
P-AMP
AFin
LAMP 1
LAMP 2
LCD CS
GND_D
HT1621-CS
MIC+
SP+


C302 103P
C301 103P
R301 1K
C303 470P
R256 18K
C256 103P
C201 103P
T201 DTA114EE
C101 104P
T103 2SB624
R102 4K7
R101 4K7
C102 104P
C255 5P
C202 470P
T102 DTA114EE
R202 1K
C103 470P
5CC
P-TX/RX
5V
5R
5M
5T
C206 103P
FL261 450K
C281 102P
C282 104P
R264 2.7K
C264 104P
CR270 21.250MHz
C270 15P
C271 20P
R261 680K
C272 33P
MIXIN
T261 2SC4215
C261 103P
R262 470R
C262 2P
FL252 21.7MHz
C257 5P
FL251 21.7MHz
FL253 29.250MHZ
C263 13P
R274 1K2
C279 104P
C273 224P
R252 1K
R251 2.2K
L252 0.56uH
L253 270nH
C251 15P
R242 1K
C253 15P
R254 470R
C254 103P
R239 220R
C250 103P
T251 3SK229
R237 0R
R238 1K
C252 6P
L231 22nH
C913 103P
E913 10uF
U911 5A
C912 471P
C911 103P
E911 10uF
BATT
C205 102P
C246 0.5P
C247 4P
L227 3T
C238 0.5P
C234 8P
L220 18nH
L219 39nH
R230 3K3
C233 470P
R231 100R
C230 470P
R229 0R
T231 3SK229
R226 220K
C242 4P
L224 3T
VC241 6P
C237 10P
L223 3T
D220 HVC350B
R234 100K
C243 470P
R228 220R
C232 102P
C231 102P
R227 100K
R223 0R
C223 0.3P
C217 0.3P
L213 3T
C212 15P
R212 0R
L212 3T
C227 4P5
L216 3T
VC226 6P
R220 100K
D217 HVC350B
C228 470P
C221 3P5
L214 3T
VC220 6P
R217 100K
D214 HVC350B
C222 470P
C215 N.U.
C214 3P
R214 N.U.
D215 N.U.
C216 470P
R213 100K
APC/TUNE
BATT
5T
R181 10K
U161B LM2904V
R182 1M
C185 470P
R185 10K
U161A LM2904V
C192 101P
R192 150K
R193 NC
R194 150K
R195 150K
R196 150K
R197 150K
C172 105P
C171 103P
C195 471P
R198 150K
C198 NC
R171 0.39R
R172 0.39R
R173 0.39R
T181 DTC114EE
R183 47K
R184 220K
R189 18K
R188 47K
C188 104P
R187 39K
R186 NC
C186 103P
C191 102P
T191 DTC114EE
BATT
R531 10K
D531 1N4148
C501 103P
T525 UMC4
D530 1N4148
C531 103P
R530 10K
U512 FX/MX128
C532 470P
C533 470P
C534 470P
R527 22K
C527 150P
C539 120P
R540 100K
R539 100K
C535 104P
R535 100K
C541 150P
R541 47K
CR537 3.58MHz
R537 1M
C538 47P
C537 33P
E451 2.2uF (T.Y.)
R451 3K3
C451 103P
R453 22K
R452 47K
T451 2SC4617
R447 1M8
C447 820P
R448 33K
C448 332P
R449 10K
R446 33K
C446 470P
C445 473P
C444 104P
R444 10K
T441 2SC4617
R443 1M8
C443 680P
C442 332P
R442 33K
R441 33K
C441 473P
R435 4K7
R436 1K8
R437 3K3
R433 1K8
U411A LM4558
R434 51K
C434 10P
C401 103P
R431 30K
E431 (T.Y.) 4.7uF
U411B LM4558
R432 1K5
C431 223P
R405 22K
C405 102P
C408 102P
C406 223P
R406 750K
C407 102P
C404 273P
R404 18K
R403 100K
C403 470P
C402 104P
L402 101T
MIC
T431 2SK1824
R438 100R
C438 470P
C422 104P
D422 1SS372
R421 820R
E421 2.2uF (T.Y.)
T421 MRF497
BEEP
T401 DTA114EE
R408 1K
C409 470P
C410 103P
T402 DTA114EE
5VOX
R409 1K
C411 470P
C412 103P
C413 103P
R401 470R
E401 4.7uF (T.Y.)
R402 1K8
C416 470P
R413 5K6
R414 270R
T411 2SC4738
R669 1K
C414 103P
R416 0R
R417 1M
C417 104P
D411 MA742
R415 100R
C415 104P
N/W
VOX
APC/TUNE
SB
P-AMP
MIC
SP
AFin
MONI
PTT
D3
PB5

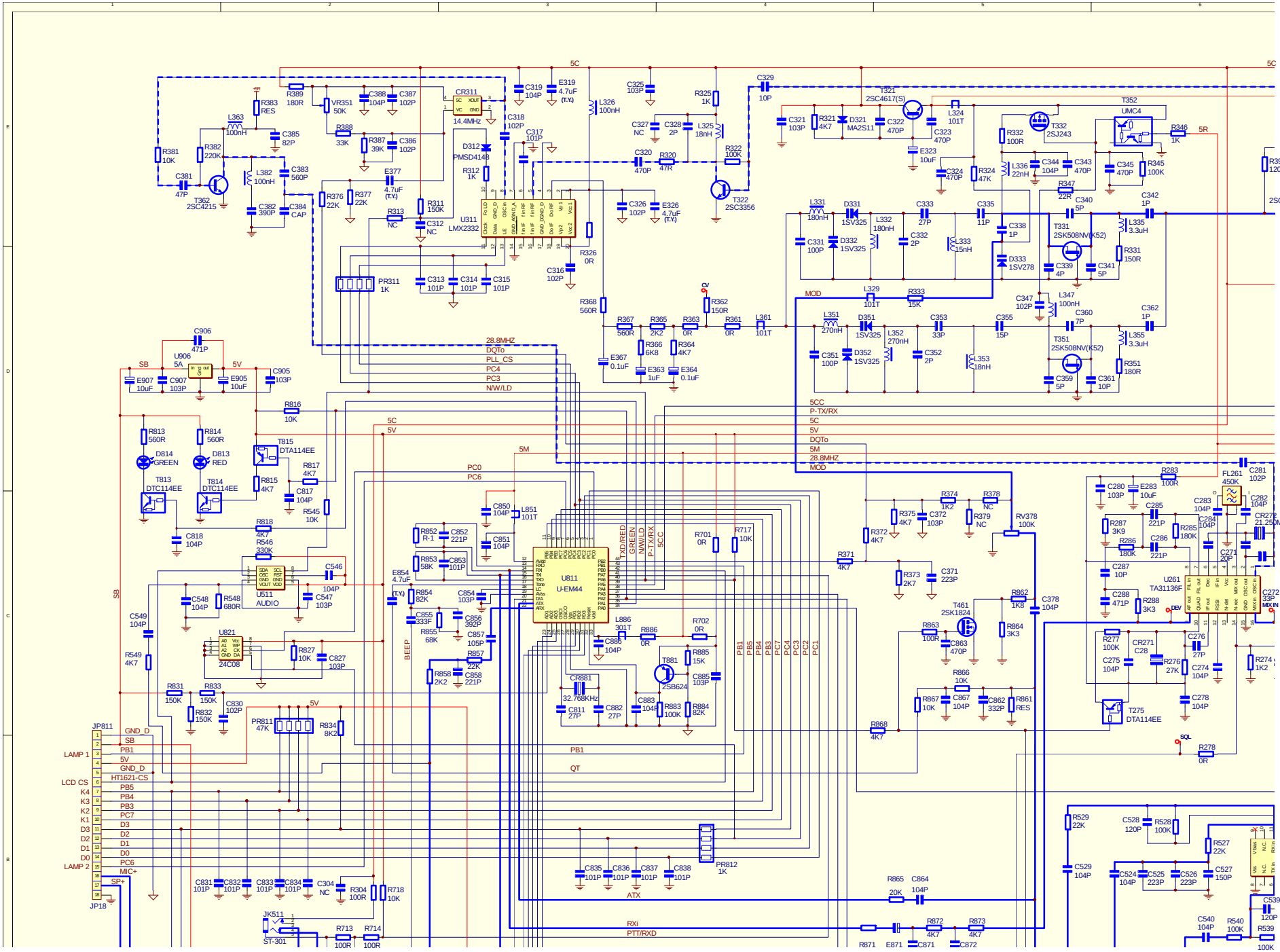


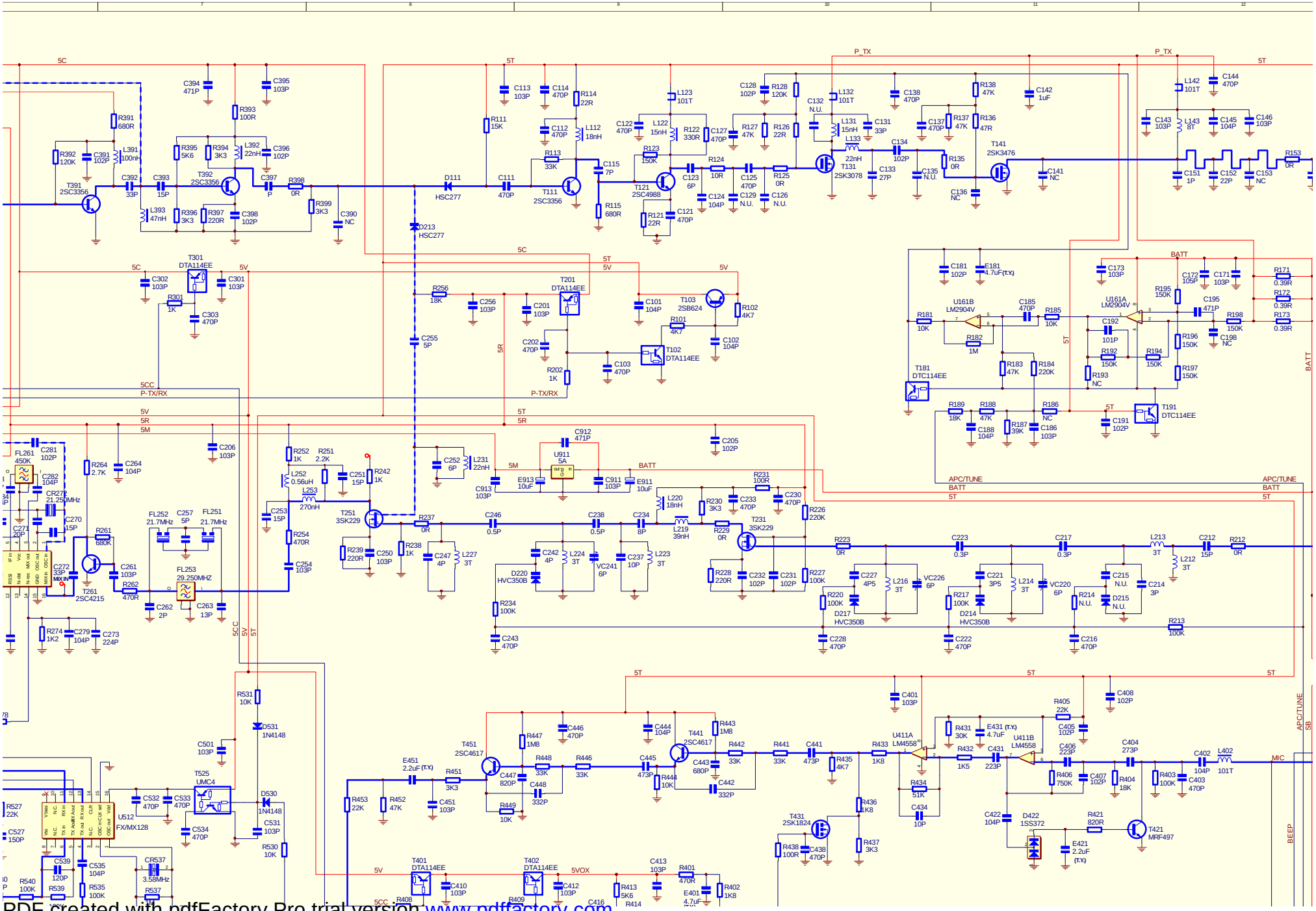
PX4401

SCHEMATIC DIAGRAM

PX4401 Revision E01D

Drawing By Lv Wei Jun Netec 0540


U311
LMX2332
14.4MHz
CR311
U811
U-EM44
U511
AUDIO
U821
24C08
U906
5A
JP811
JP18
LAMP 1
LCD CS
LAMP 2
HT1621-CS
JK511
ST-301
T322
2SC3356
T321
2SC4617(S)
T332
2SJ243
T331
2SK508NV(K52)
T351
2SK508NV(K52)
T461
2SK1824
T881
2SB624
T275
DTA114EE
U261
TA31136F
FL261
450K
CR272
21.250MHz
CR881
32.768KHz
PR811
47K
PR812
1K
PR311
1K
28.8MHZ
DQTo
PLL_CS
PC4
PC3
N/W/LD
5CC
P-TX/RX
5C
5V
DQTo
5M
28.8MHZ
MOD
PC0
PC6
BEEP
PB1
QT
ATX
RXi
PTT/RXD
MIC+
SP+
GND_D
SB
PB1
5V
GND_D
HT1621-CS
PB5
PB4
PB3
PC7
D3
D2
D1
D0
PC6
MIC+
SP+
PB1
PB5
PB4
PB3
PC7
PC4
PC3
PC2
PC1
TX/RED
GREEN
N/W/LD
P-TX/RX
5C C
MOD
SQL
DEV
MIX IN



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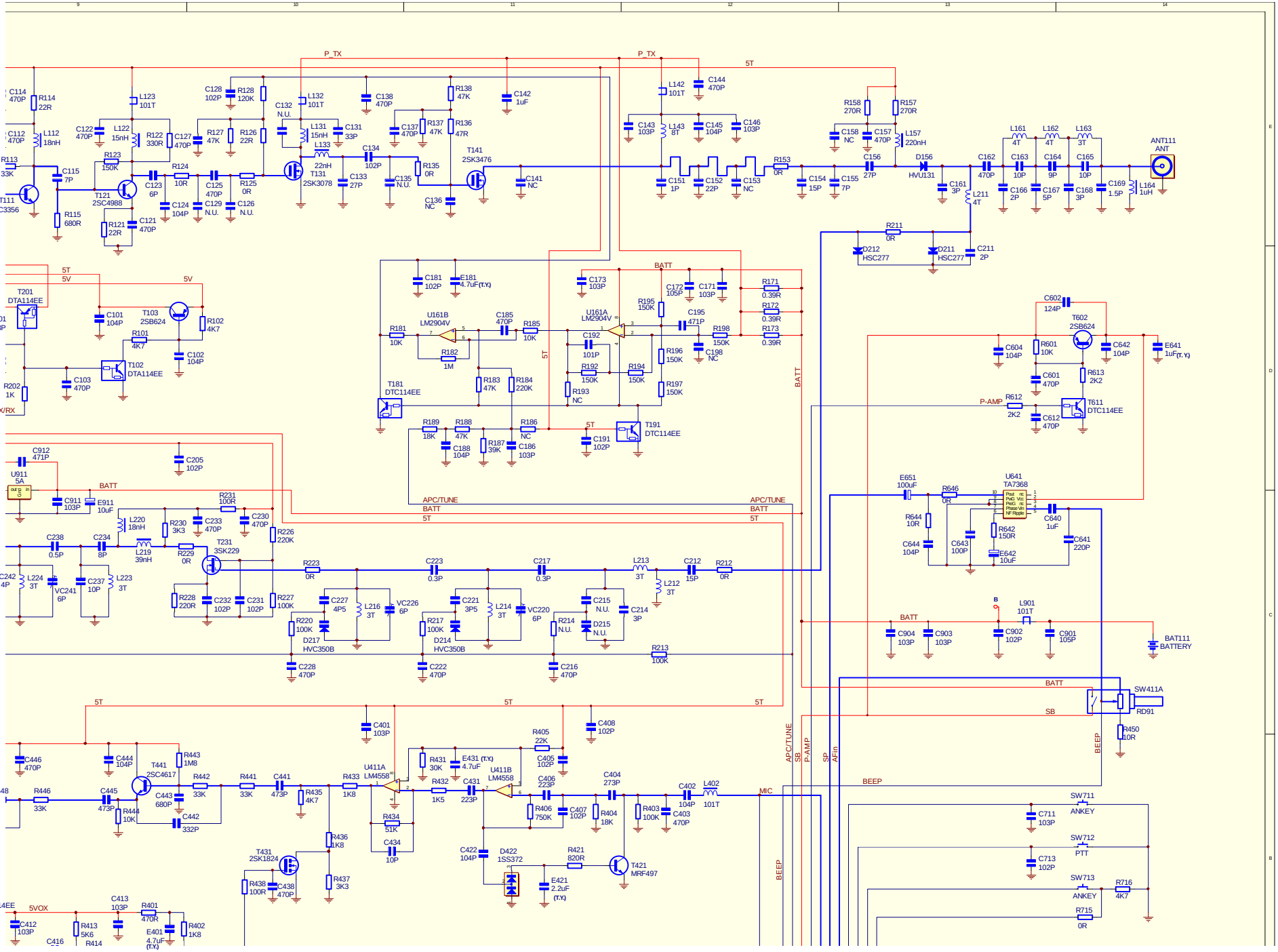
P_TX
5T
BATT
APC/TUNE
SB
P-AMP
SP
AFin
BEEP
MIC
5V
5VOX
P-TX/RX
ANT111
ANT
BAT111
BATTERY
SW411A
RD91
SW711
ANKEY
SW712
PTT
SW713
ANKEY
T111
2SC3356
T121
2SC4988
T131
2SK3078
T141
2SK3476
T201
DTA114EE
T103
2SB624
T102
DTA114EE
U161B
LM2904V
U161A
LM2904V
T181
DTC114EE
T191
DTC114EE
T602
2SB624
T611
DTC114EE
U911
5A
T231
3SK229
U641
TA7368
T441
2SC4617
U411A
LM4558
U411B
LM4558
T431
2SK1824
T421
MRF497
D212
HSC277
D211
HSC277
D217
HVC350B
D214
HVC350B
D215
N.U.
D422
1SS372
HVU131
L901
101T

RX4401