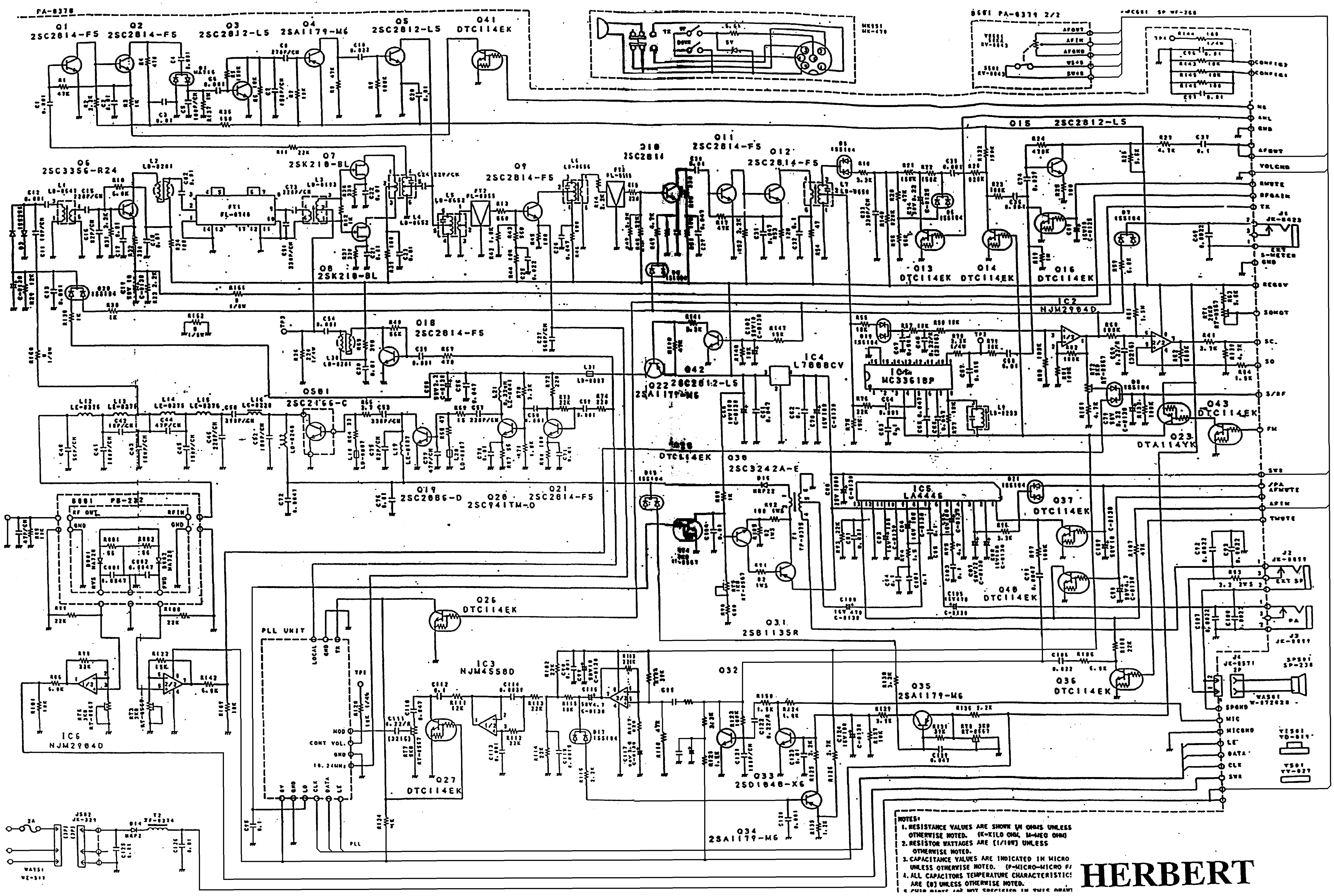

Q1 2SC2814-FS
Q2 2SC2814-FS
Q3 2SC2812-LS
Q4 2SA1179-M6
Q5 2SC2812-LS
Q41 DTC114EK
Q6 2SC3356-R24
Q7 2SK218-BL
Q8 2SK218-BL
Q9 2SC2814-FS
Q11 2SC2814-FS
Q12 2SC2814-FS
Q13 DTC114EK
Q14 DTC114EK
Q15 2SC2812-LS
Q16 DTC114EK
Q18 2SC2814-FS
IC2 NJM2904D
IC4 L78O8CV
IC1 MC3361BP
Q22 2SA1179-M6
Q42 2SC2812-LS
Q43 DTC114EK
Q23 DTA114YK
Q19 2SC2086-D
Q20 2SC941TM-O
Q21 2SC2814-FS
Q30 2SC3242A-E
IC5 LA4446
Q37 DTC114EK
Q40 DTC114EK
Q31 2SB1135R
Q26 DTC114EK
IC3 NJM4558D
IC6 NJM2904D
PLL UNIT
Q27 DTC114EK
Q32
Q33 2SD1048-X6
Q34 2SA1179-M6
Q35 2SA1179-M6
Q36 DTC114EK

NOTES:

1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED. (K=KILO OHM, M=MEG OHM)
2. RESISTOR WATTAGES ARE [1/10W] UNLESS OTHERWISE NOTED.
3. CAPACITANCE VALUES ARE INDICATED IN MICRO UNLESS OTHERWISE NOTED. (P=MICRO-MICRO F/
4. ALL CAPACITORS TEMPERATURE CHARACTERISTICS ARE (B) UNLESS OTHERWISE NOTED.
5. CHIP PARTS ARE NOT SPECIFIED IN THIS DRAW

HERBERT

BUS1

L483 1000 LZ-0120

L482 1000 LZ-0120

R463 82

D414 1SS355

R418 10K

D402 1SS355

C486 0.01

D401 DTZ5.6C

C407

R411 5.5V 470 B-847F C-0294

C408 0.1

C409 0.1

R438 12K

R453 10K

R454 10K

R436 10K

R437 10K

Q402
DTC114EK

C401 0.068

C403 0.001

VR483 5KB RV-844

VR482 10KB RV-847

R481 10K

C402 0.068

R482 1.5K

VR484 1KB RV-846

L481 1000 LZ-0120

R483 4.7K

R476 0

R471 0

R472 0

R474 0

R473 0

R415 47K

R414 47K

VR485 5KA RV-845

J401 JK-0892

R487 10K

R486 820

D403 DTZ5.1B

C412 0.01

C413 0.001

D404 1SS355

R488 1M

R489 100K

C414 0.1

C415 0.001

Q401
2SC2812-L5

IC402
RH5VA43CA

IC401
UC1762
M38222M2

CONFIG1
CONFIG2

R450 2.2K
R451 2.2K
R431 2.2K
R432 2.2K
R433 2.2K
R418 2.2K
R417 2.2K
R416 2.2K
R430 2.2K
R425 220K
R429 2.2K
R424 2.2K
R423 10K
R422 2.2K
R421 2.2K
R420 2.2K
R419 2.2K
R428 2.2K
R427 2.2K
R426 2.2K
R452 2.2K

NB
ANL
FM
S/RF
SWR
U/D
HI-CUT
BEEP
PC
TX
PTT
TMUTE
RMUTE
/PA
SC
CLK
DATA
LE
AFMUTE

/RESET

R413 2.2K

C410 7P/CH

C411 7P/CH

X401
QX-0479
3.579545MHz

S401
SR-0437

R435 2.2K
R434 2.2K
R404 47K
R485 47K
R455 47K
R456 47K
R457 47K
R450 47K
R459 47K
R460 47K
R461 47K
R462 47K

C404 0.01
C405 0.01

R412 10K

COM2
COM1
3d-SWR
3e-3c
3g-3b
3f-3a
2d-S7
2e-2c
2g-2b
2f-2a
1d-S8
1e-1c
1g-1b
1f-1a
DW-HC
S5-S6
ANL-NB
FM-SCAN
AM-EMG
S/RF-TX
S3-S4
S2-S1

DP401 DL-0117

S403 SW-0752
S404 SW-0752
S405 SW-0752
S406 SW-0752
S407 SW-0752
S408 SW-0752
S409 SW-0752
S410 SW-0752

R442 2.2K
R443 2.2K
R444 2.2K
R445 2.2K
R446 2.2K
R447 2.2K
R448 2.2K
R449 2.2K

PA
CH19 /9
SCAN
MODE
SWR
HC
NB/ ANL
DW

PL401 PZ-0843
PL402 PZ-0843

D485 D486 D487 D488 D489 D410 D411 D412 D413
R439 R440 R441 100
CL-140D-CD

G1
G2
PC
TX
FM
NB
LK
LTA
LE
SC
ANL
UTE
UTE
'PA
'RF
'WR
'TE
HOT
SQ
OUT
GND
IN
GBV
5+B
GND
MIC
GND
GND

NOTES:
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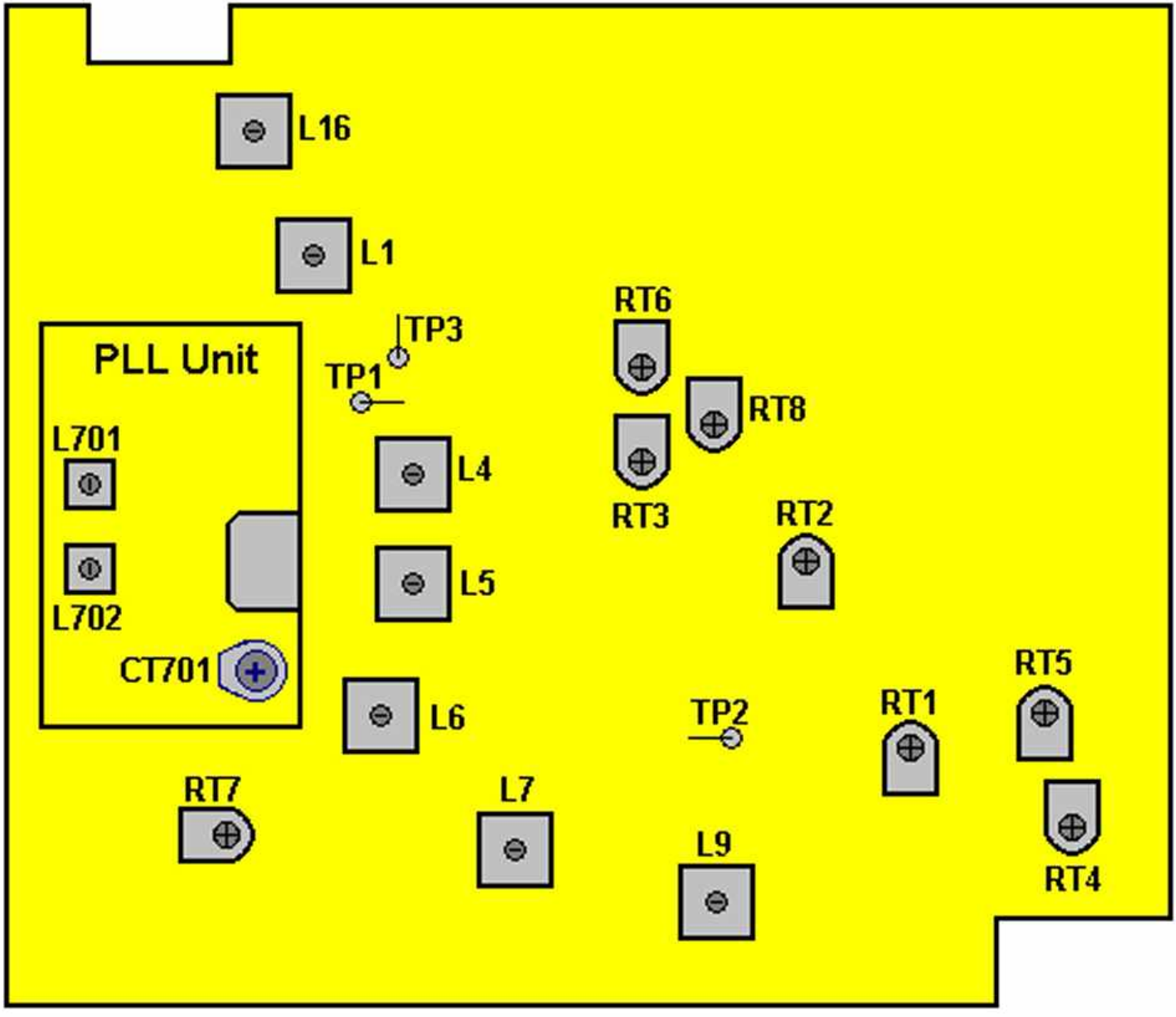
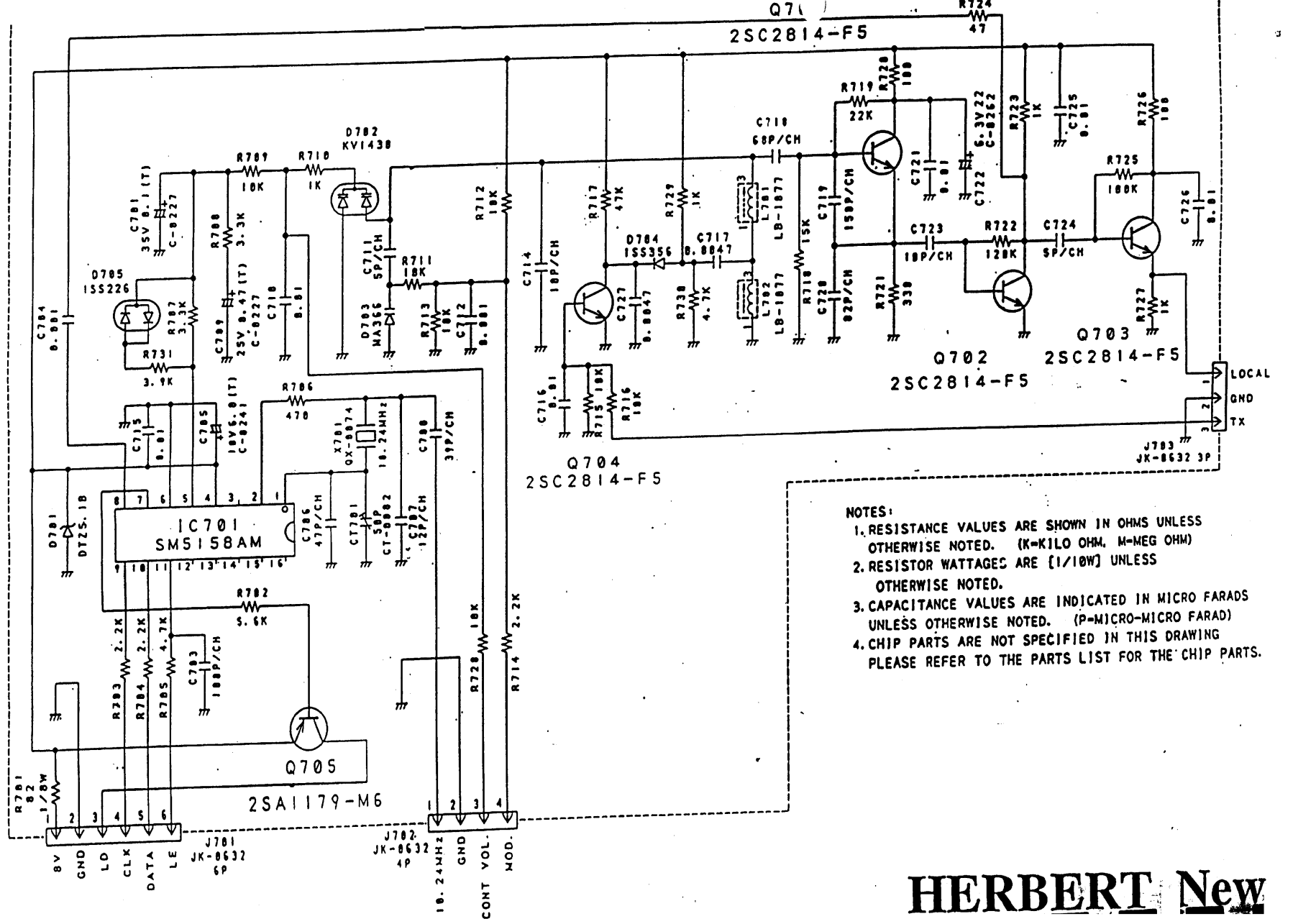
5. CHIP PARTS ARE NOT SPECIFIED IN THIS DRAWING

HERBERT


L16
L1
PLL Unit
TP3
TP1
RT6
RT8
L701
L4
RT3
RT2
L5
L702
CT701
L6
TP2
RT1
RT5
RT7
L7
L9
RT4



NOTES:

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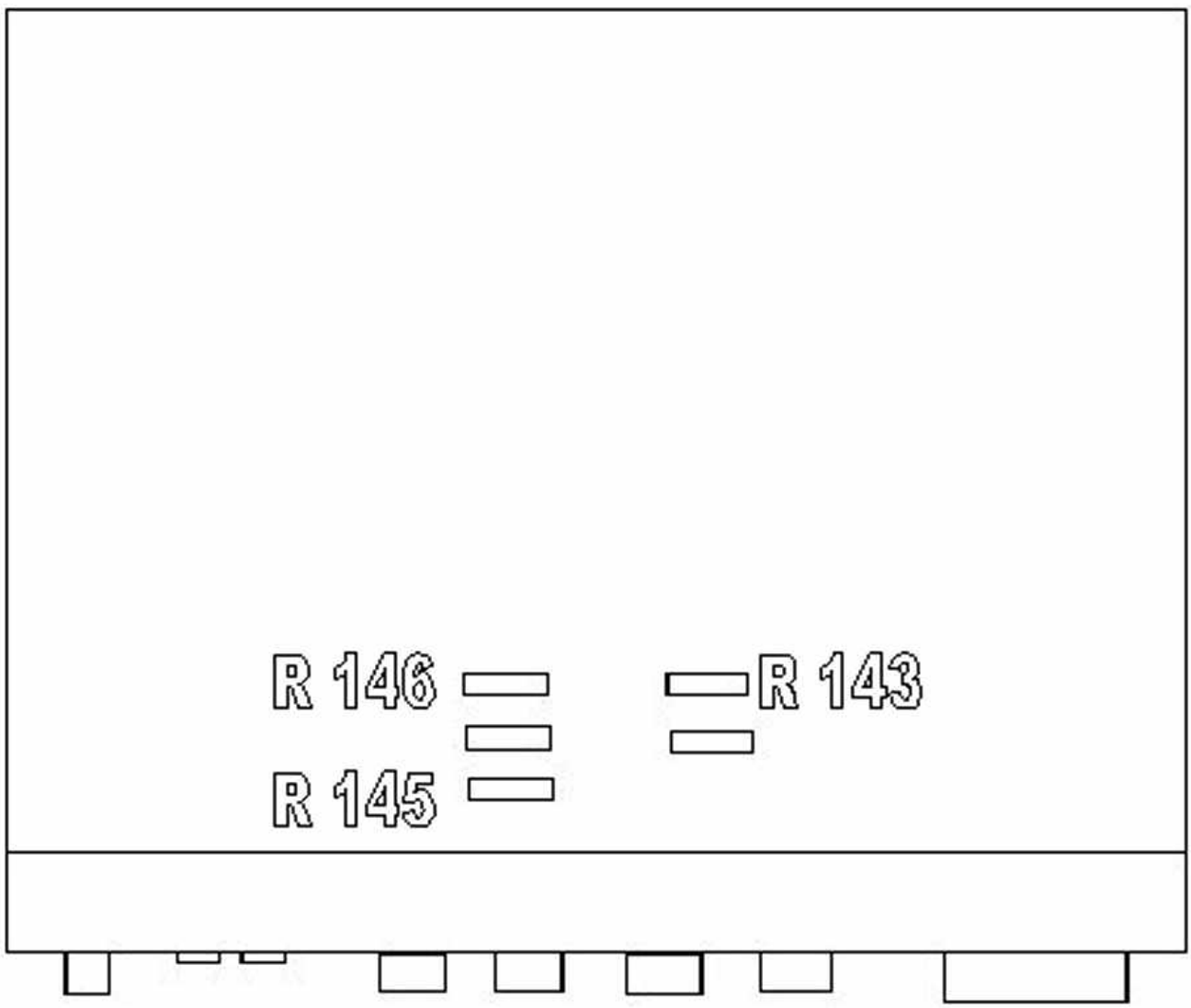
NEW PRESIDENT HERBERT

Cofiguration	R 143 (10 kΩ)	R 145 (10 kΩ)	R 146 (100 Ω)
40 cx AM (4W) FM (4W)	0	0	0
40 cx AM (1W) FM (4W)	0	0	X
40 cx FM (4W)	0	X	X
240 cx AM (4W) FM (4W)	X	0	0
240 cx AM (4W) FM (4W) terminaisons 0	X	0	X

X= raffle off	0= mount

Band range = 25.615<>28.755 MHZ
Red = functional




TX
40
PRESIDENT
HERBERT