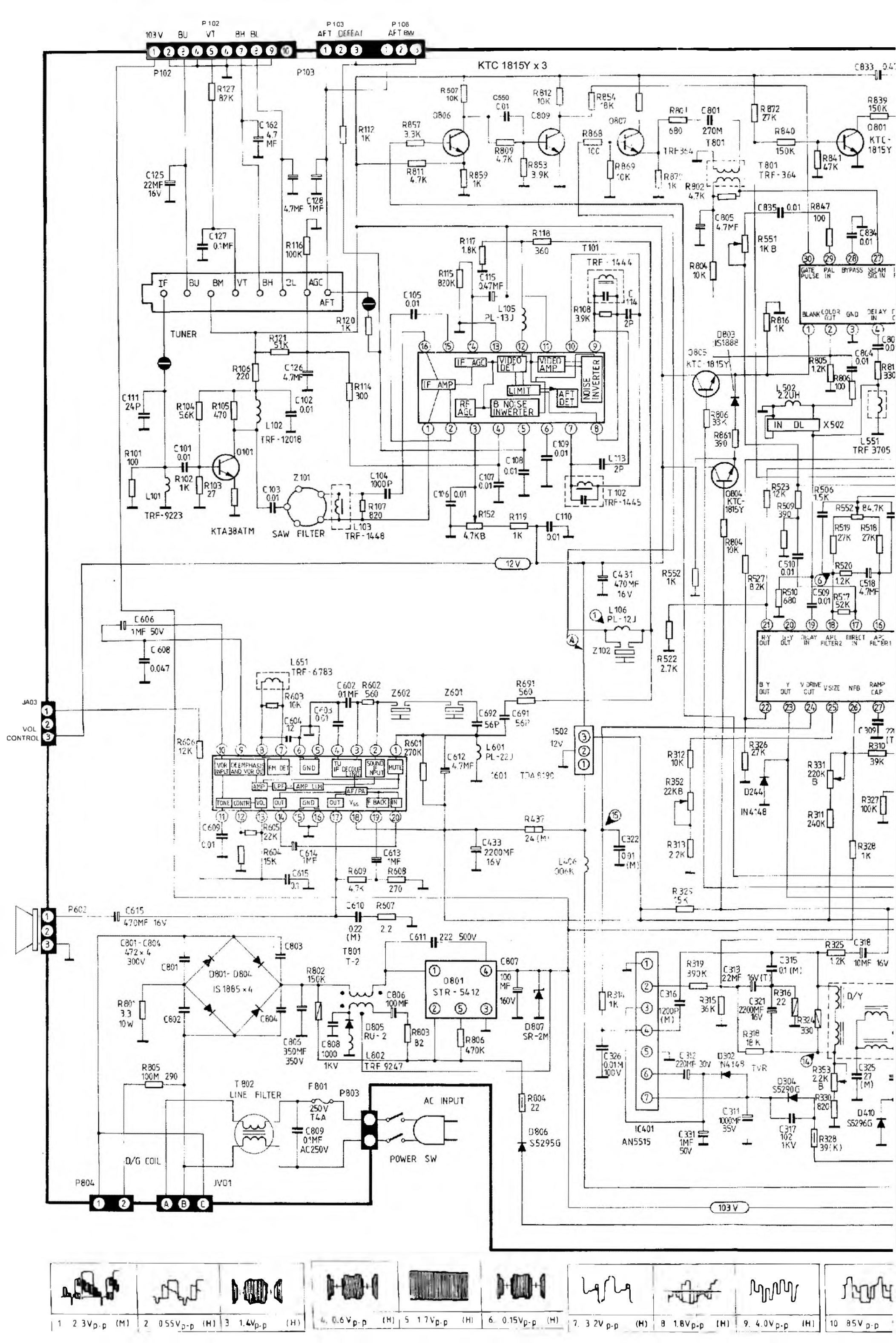
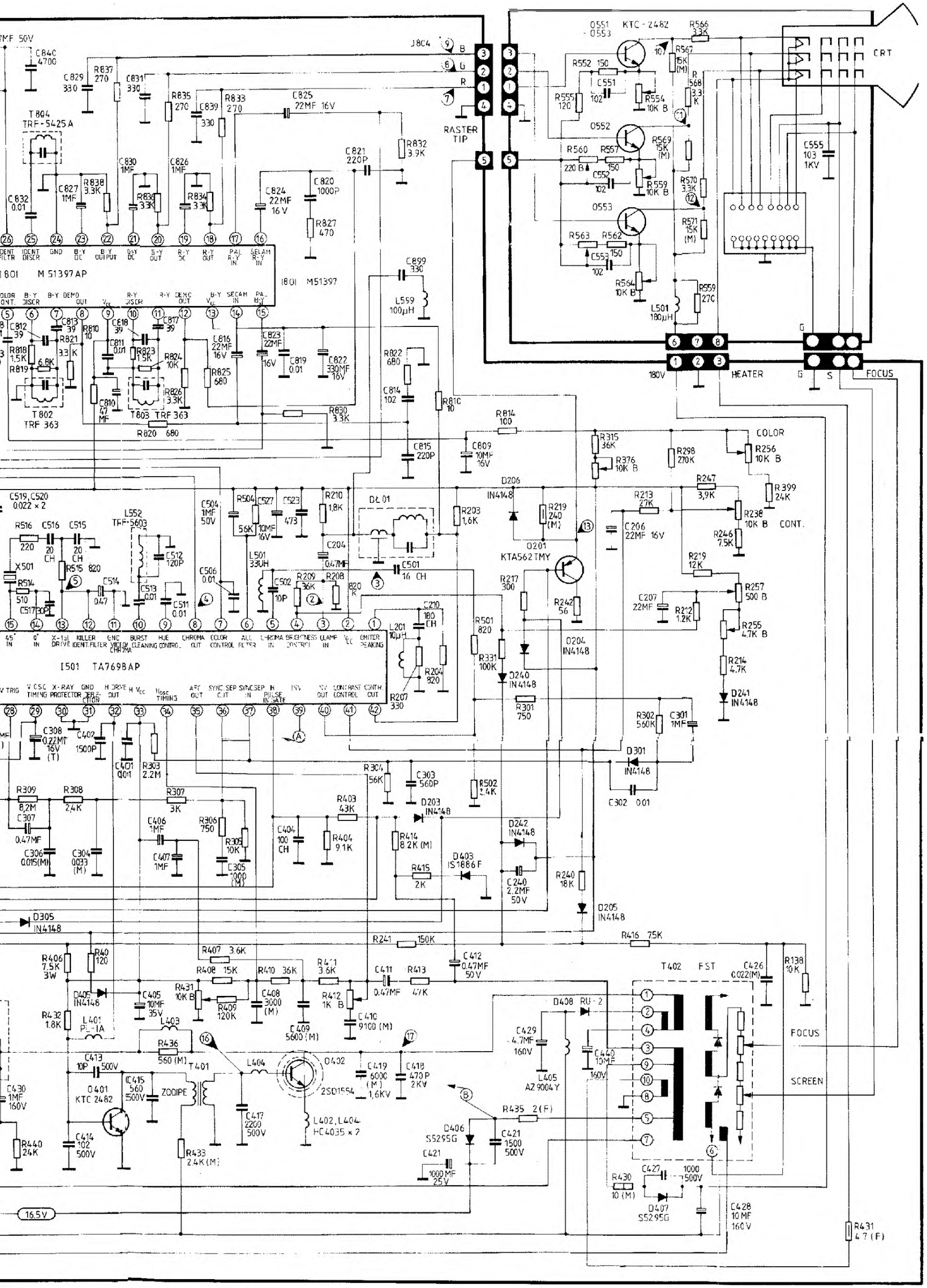


KTC 1815Y x 3
P102
103V BU VT BH BL
P103
AFT DEFEAT
P106
AFT BW
TUNER
IF BU BM VT BH BL AGC AFT
KTA38ATM
SAW FILTER
Z101
L103 TRF-1448
L101 TRF-9223
L102 TRF-12018
T101 TRF-1444
T102 TRF-1445
L105 PL-13J
IF AGC
VIDEO DET
VIDEO AMP
IF AMP
LIMIT
AFT DET
NOISE INVERTER
RF AGC
B NOISE INWERTER
Q806
Q807
Q801 KTC-1815Y
Q803 IS1888
Q805 KTC-1815Y
Q804 KTC-1815Y
Q101
T801 TRF-364
L502 2.2UH
X502
L551 TRF 3705
12V
L106 PL-12J
Z102
L651 TRF-6783
Z602
Z601
L601 PL-22J
1502 12V
TDA 8190
JA03
VOL CONTROL
P602
C615 470MF 16V
D801-D804 IS 1885 x 4
T801 T-2
D801 STR-5412
D805 RU-2
L802 TRF 9247
D807 SR-2M
D806 S5295G
T802 LINE FILTER
F801 250V T4A
P803
AC INPUT
POWER SW
D/G COIL
P804
JV01
IC401 AN5515
D302 IN4148
D304 S5290G
D410 S5296G
D244 IN4148
TVR
D/Y
103V

1 2.3Vp-p (M)
2 0.55Vp-p (H)
3 1.4Vp-p (H)
4 0.6Vp-p (H)
5 1.7Vp-p (H)
6 0.15Vp-p (H)
7 3.2Vp-p (H)
8 1.8Vp-p (H)
9 4.0Vp-p (H)
10 85Vp-p



(H)	11 90Vp-p (H)	12 90Vp-p (H)	13 5.8Vp-p (H)	14. 30Vp-p (H)	15. 0.8Vp-p (H)	16. 10Vp-p (H)	17. 890Vp-p (H)	

ROYAL 5104

5V OUT GND
JV06
CV24 0.01
JV04A 12V
JV04TA
P106
QV10 KTK 30A
CV27 1MF 50V
RV05 10K
RV06 1M
RV56 56K
RV57 22K
RV58 560K
QV03 KTC1815V
DV08 IN4148
RV07 220K
RV54 180K
RV09 15K
RV08 9.1K
RV27 4.7K
RV24 33K
CV14 0.15 M
RV25 56K
CV22 220MF 15V
JV06A
CV15 0.1 M
DV07 IN4148
DV08 5.1EB
CV21 100µF
IV02
5V
12V
P601
VOL
JV02A
VT
G
103V
BU
VH
VL
RV46 2.4K
RV22 6.8K 2W
RV23 18K
RV47 5.6K
CV27 0.01
DV12 KTC1815V
RV29 47K
RV21 1.8K 2W
RV20 1.6K
CV13 0.01
DV11 QTK 338
QV05 KTC1959C
QV06 KTC2073
CV12 22MF 50V
CV10 0.47MF 36V TANTAL
RV19 5.6K
RV14 3.9K
DV29 IN4148
RV15 100
RV67 47
RV33 K
CV19 10MF
CV11 22MF 50V
RV16 62K
RV17 4.7K
RV16 6.8K
QV07 KTA1015Y
RV90 220
RV13 1.5K
XV01 CSB 455C
CV08 100P
CV09 100P
CV17 4700
RV28 2.2K
DV28 IN4148
RV68 2.4K
CV26 0.01
QV15 - QV17 KTA1015Y × 3
RV70 - RV72 1K × 3
RV70
RV73
QV15
RV71
RV74
QV16
RV72
RV75
QV17
RV73 - RV75 8.2K × 3
RV38 330
RV39 RV40 RV41 RV42 RV43 RV44 RV45
RV39 - RV45 680 × 7
1 Vss
2 MEMORY SUPPLY / MEMORY TUNING OUTPUT
3 FINE TUNING
4 TUNING D/A
5 AFT OUT
6 OSC IN
7 OSC OUT
8 VDD
9 TEST
10
11
12
13 AFT1
14 AFT2
15 VOL D/A / DISPLAY OUT
16 LIN AFT DEF
17 DIGITAL AFT
18
19 KEYBOARD IN
20
IV01
M491
BAND OUTPUT
MEMORY ADDRESS
GND
MAINS ON OPTION
KEYBOARD OUT
40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21
CV25 0.01
DV18 IN4148
RV55 2.7K
CV23 100MF 16V
12V
JV01A
JV05
A B C D E F G H
DV26 IN4148
DV27 IN4148 KTD880Y
RV01 4.7K
QV01
DV05 IN4148
DV06 12V
RV65 1K
RV66 22
CV05 330MF 50V
RV11 1.8K
DV23 IN4148
DV25 IN4148
RV12 4.7K
DV24 IN4002
TV01 TPW-2013.
DV01 - DV04 IN4002 × 4
CV01 - CV04 1000P 50V × 4
QV04 KTC2120
DV12 IN4148
YV01 VS12MB
RELAY
RV62 DV22
RV61 DV21
RV60 DV20
RV59 DV19
RV79 - RV82 620 × 4
DV19 - DV22 IN4148 × 4
QV14 KTA1015Y
RV64 10K
RV63 47K
12V
JV09
C1 C2 Sa Sb Sc Sd S0 S1 S2
JV09A
C1 C2 Sa Sb Sc Sd S0 S1 S2
LED DISPLAY
VL
VH
U
JV03

GND
JV06A
5V
CP01 47MF
RP05 10K
RP04 100K
RP09 120K
CP03 0.01
RP01 1M
DP01 PM 302
CP04 0.047
DP02 IN4148
QP01 KTC2120Y
CP02 0.01
RP02 5.60K
IP01 TDA 2320A
RP10 120K
RP11 3.3K
RP03 10K
RP08 2.7K
RP07 12K
RP06 3.3K
PREAMPLIFIER UNIT

CT03 220M 6,3V
TRANSMITTER
DT01 LD271
DT02 LD271
3V 8+
RT03 430
RT04 22
QT01 KTC1815Y
RT02 22K
QT02 KTC2120Y
IT01 M708LB1
VU
VD
P S
MUTE
XV01 CSB 4558
CT01 100P
CT02 100P
C13 C9 C5 C1
C14 C10 C6 C2
C15 C11 C7 C3
C16 C12 C8 C4

AFT SW
JV05A
H G F E D C B A
1 MEMORY
2 VOLUME DOWN
3 VOLUME UP
4 POWER
5 SEARCH DOWN
6 SEARCH UP
7 CHANNEL DOWN
8 CHANNEL UP
9 BAND
DC03
DC01
DC04
DC02
DC08 DC06 DC07
JV03A