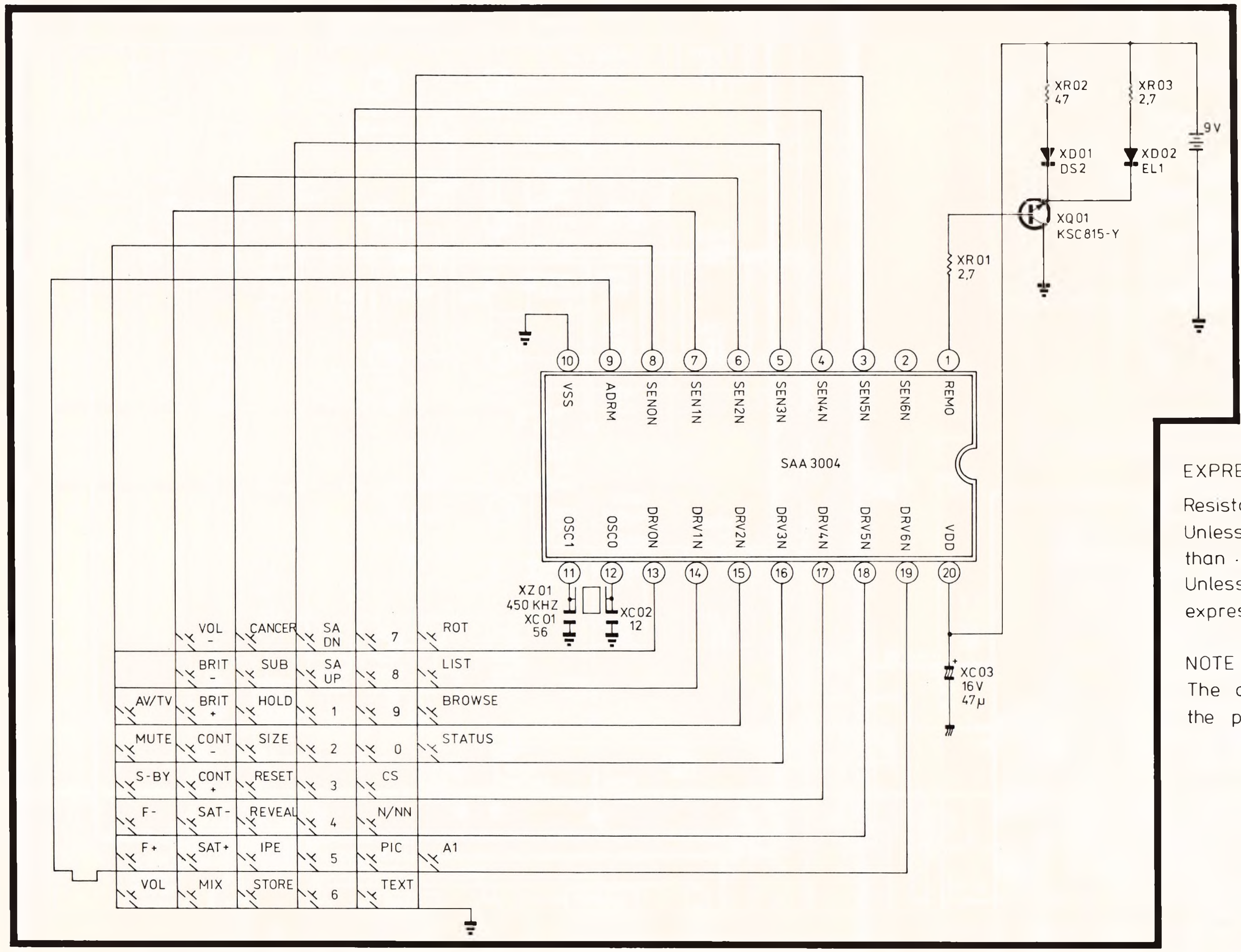
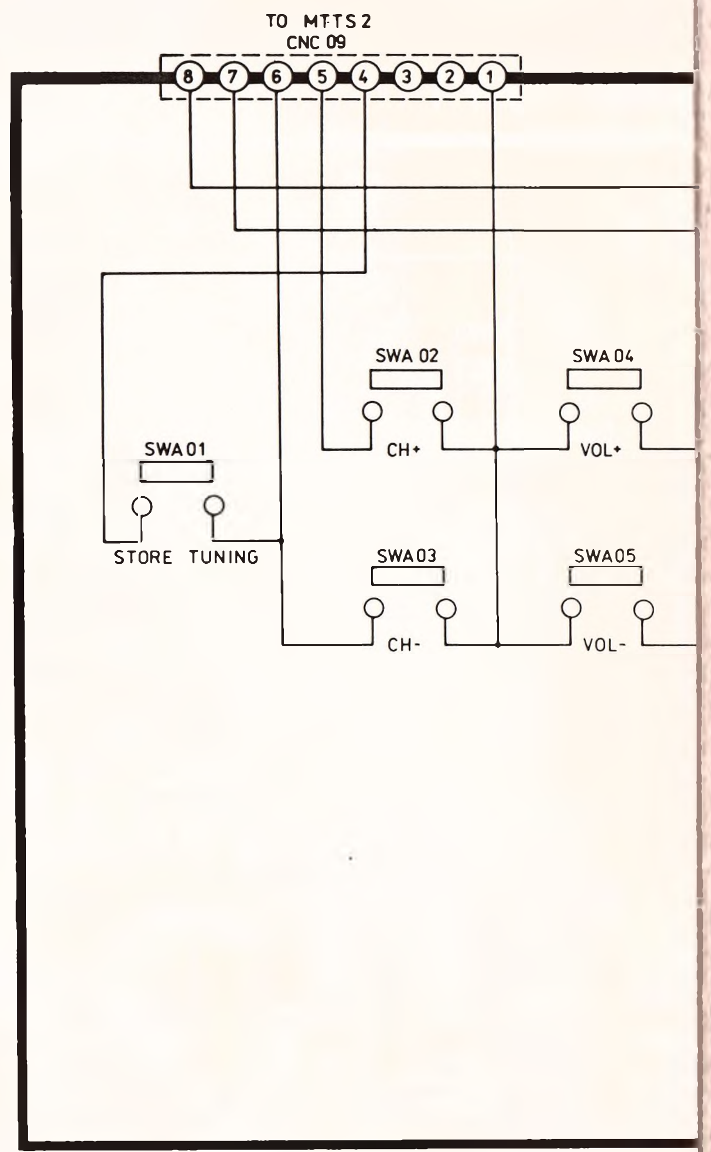
CAPACITOR	
TYPE	MARK
Ceramic	No Mark
Polyester	P
Tantallum	T
Metal Polyestor	MP
Polypropylene	P.P
Polyester Polypro	DSR
Chemical Electrolytic	
Chemical Non-Polar	

RESISTOR	
TYPE	MARK
Carbon Composition	C
Oxide Metal Film	M
Metal Film	RM
Cement	R-C
Variable Resistor	
Positive Resistor	





EXPRESSION

Resistance is shown ohm K = 1.000 M = 1.000.000

Unless otherwise noted in schematic all capacitor values less than ·1 are expressed in mfd, the values more than 1 in pF.

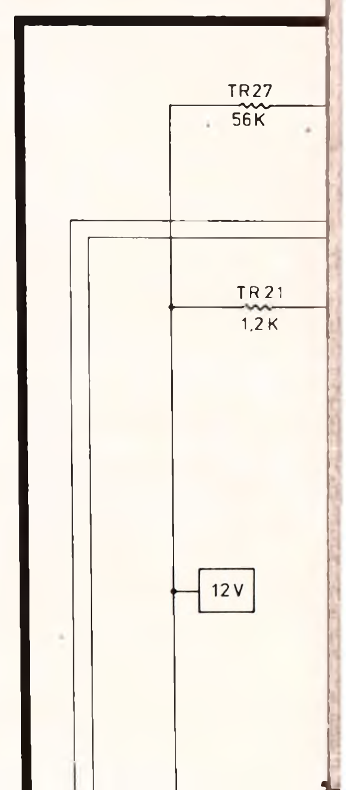
Unless otherwise noted in schematic all inductor values are expressed in μH, and the values less than 1 in mH.

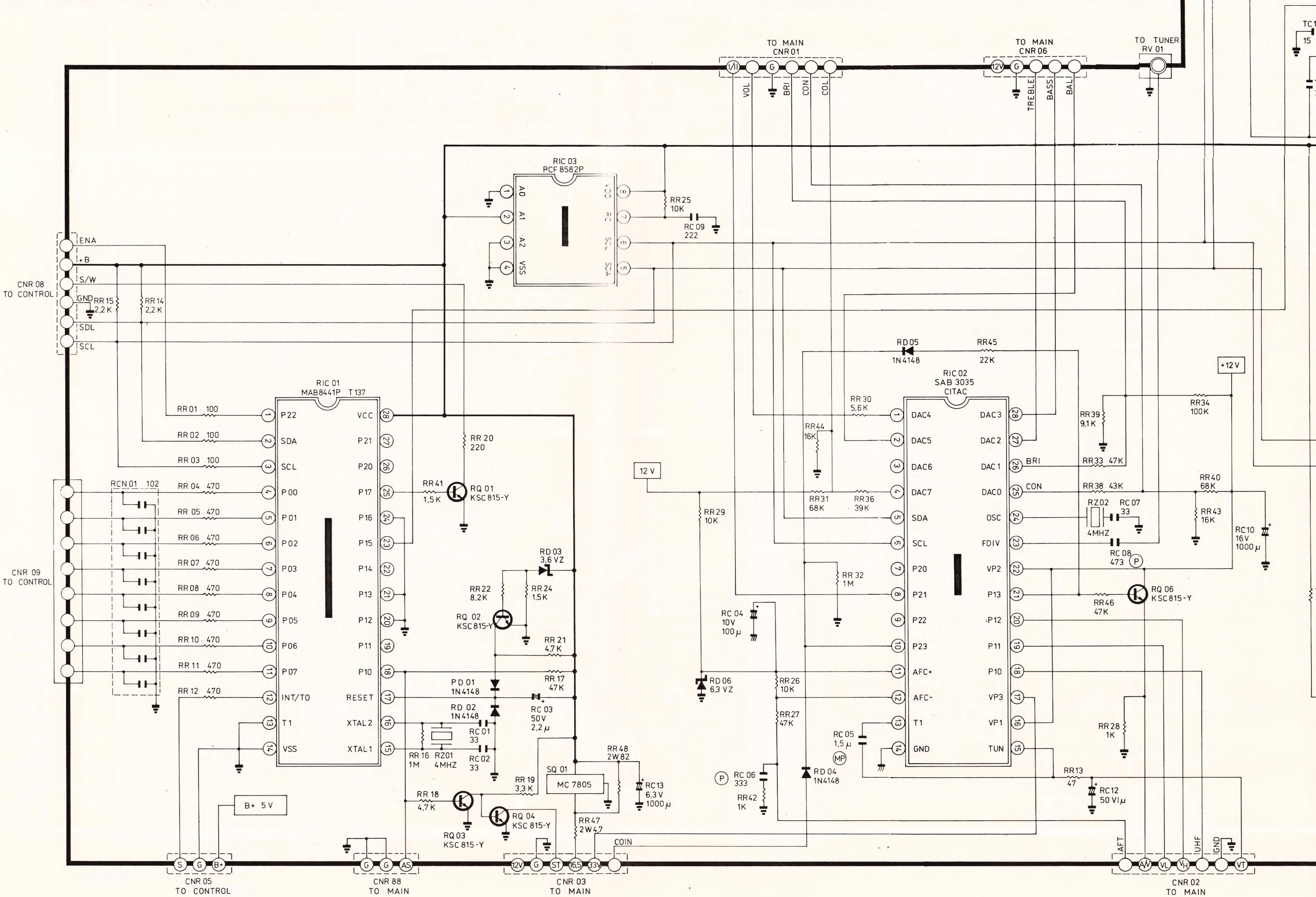
NOTE

The circuits are subject to change without notice to improve the picture quality.

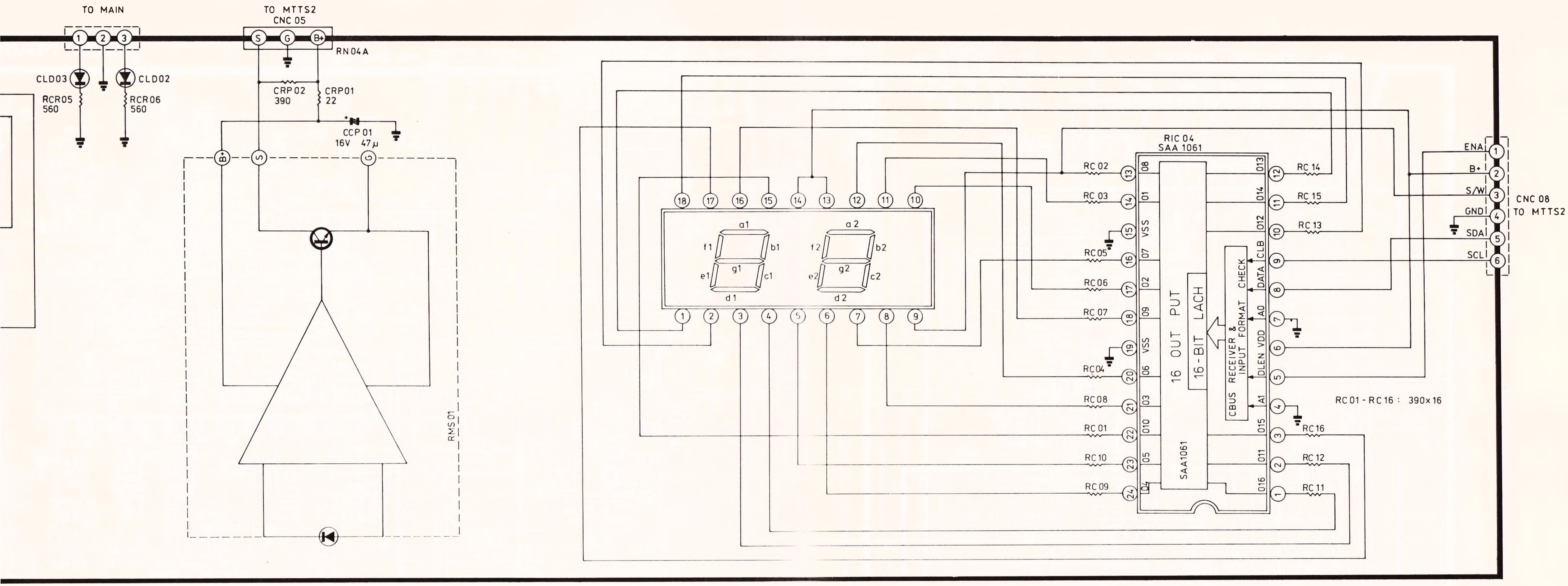
CHASSIS NAME : P-88MT

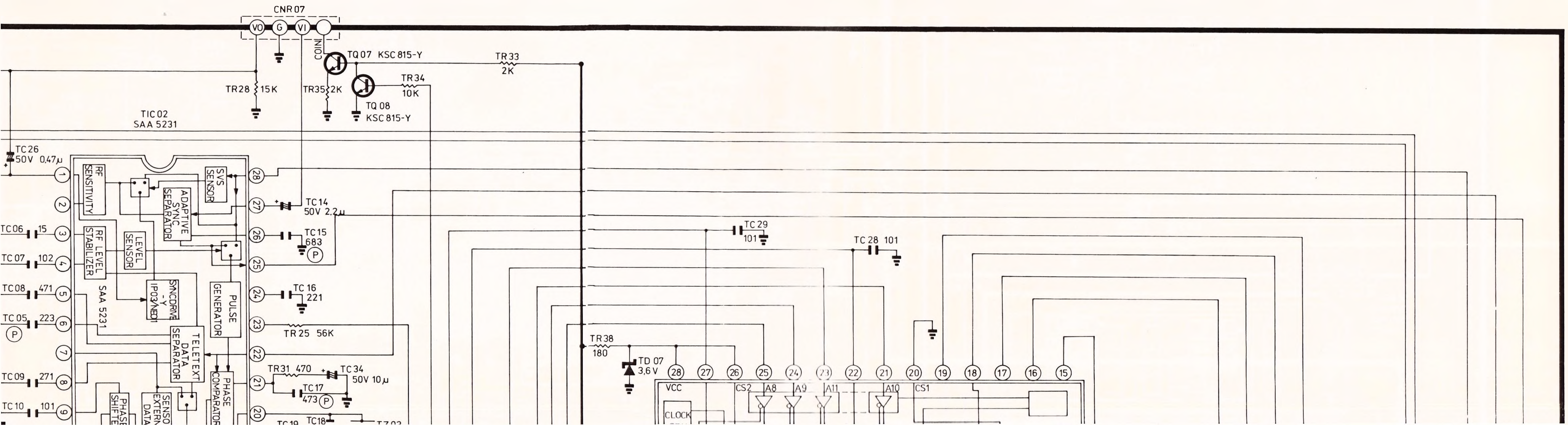
CODE NO : 38104-183-550

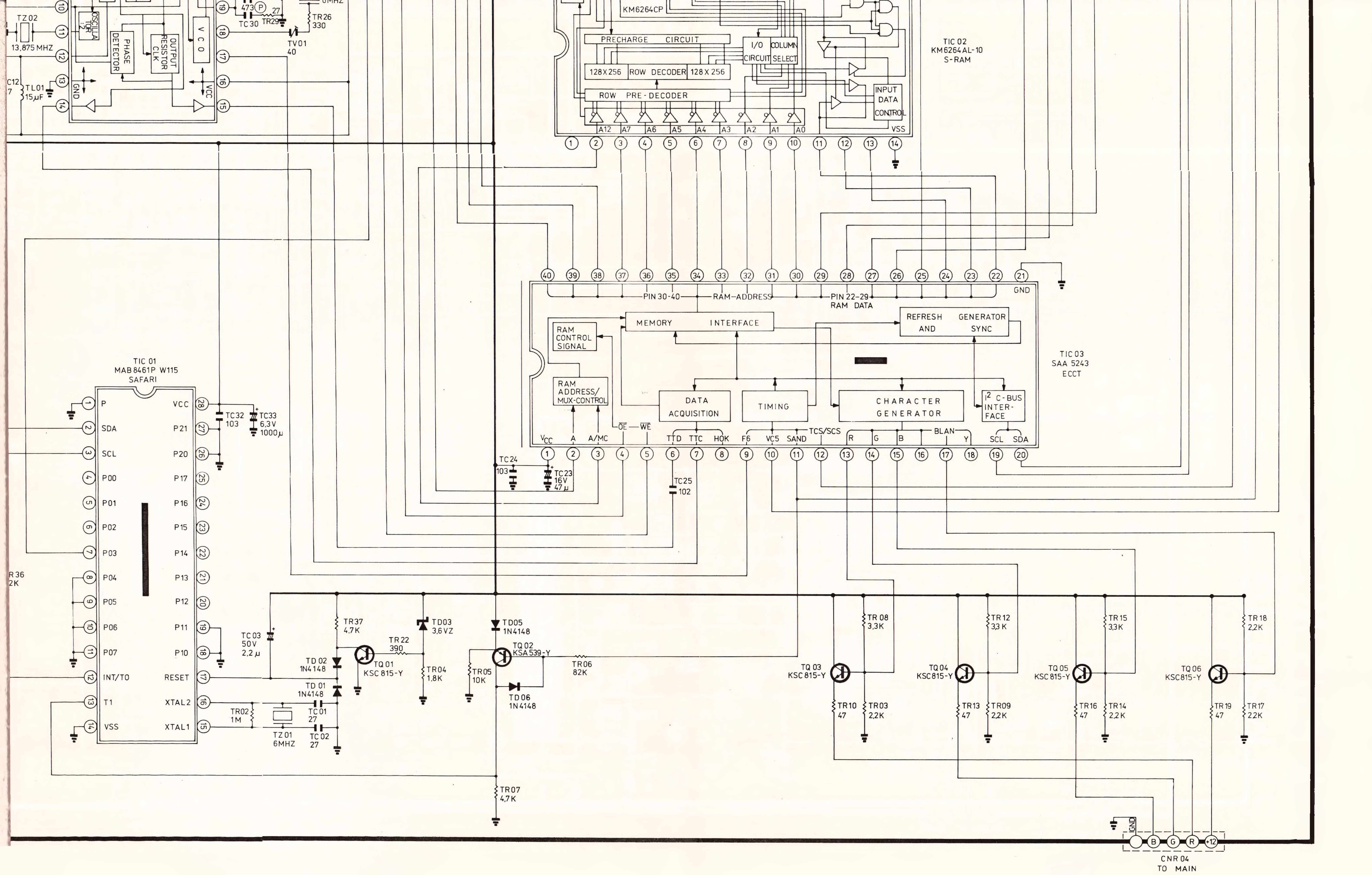




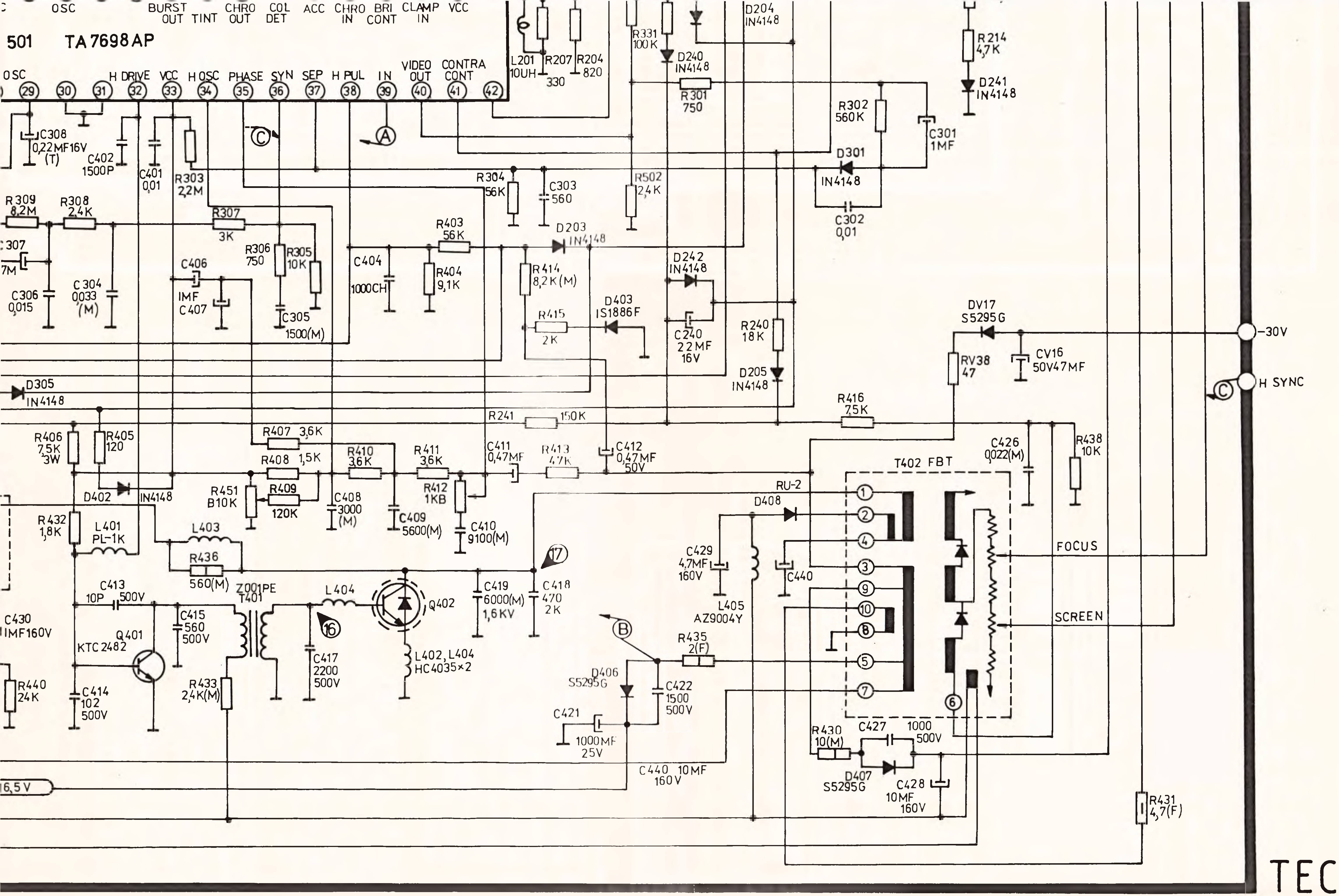
TO MAIN
CNR 01
VOL
BRI
CON
COL
TO MAIN
CNR 06
TREBLE
BASS
BAL
TO TUNER
RV 01
RIC 03
PCF 8582P
A0
A1
A2
VSS
VDD
RC
SCL
SDA
RR 25
10K
RC 09
222
CNR 08
TO CONTROL
ENA
+B
S/W
GND
SDL
SCL
RR 15
2,2 K
RR 14
2,2 K
RIC 01
MAB8441P T 137
RR 01 100
RR 02 100
RR 03 100
RCN 01 102
RR 04 470
RR 05 470
RR 06 470
RR 07 470
RR 08 470
RR 09 470
RR 10 470
RR 11 470
RR 12 470
P22
SDA
SCL
P00
P01
P02
P03
P04
P05
P06
P07
INT/TO
T1
VSS
VCC
P21
P20
P17
P16
P15
P14
P13
P12
P11
P10
RESET
XTAL 2
XTAL 1
CNR 09
TO CONTROL
RR 20
220
RR 41
1,5 K
RQ 01
KSC 815-Y
RD 03
3,6 VZ
RR 22
8,2K
RR 24
1,5K
RQ 02
KSC815-Y
RR 21
4,7K
RR 17
47K
PD 01
1N4148
RD 02
1N4148
RC 03
50V
2,2 μ
RC 01
33
RC 02
33
RR 16
1M
RZ01
4MHZ
RR 19
3,3 K
RR 18
4,7 K
RQ 03
KSC 815-Y
RQ 04
KSC 815-Y
SQ 01
MC 7805
RR 48
2W82
RC13
6,3 V
1000 μ
RR 47
2W4,7
COIN
B+ 5V
CNR 05
TO CONTROL
CNR 88
TO MAIN
CNR 03
TO MAIN
12 V
RR 29
10K
RD 06
6,3 VZ
RC 04
10V
100 μ
RR 44
16K
RR 30
5,6K
RR 31
68K
RR 36
39K
RR 32
1M
RR 26
10K
RR 27
47K
RC 05
1,5 μ
MP
RC 06
333
RR 42
1K
RD 04
1N4148
RD05
1N4148
RR45
22K
RIC 02
SAB 3035
CITAC
DAC4
DAC5
DAC6
DAC7
SDA
SCL
P20
P21
P22
P23
AFC+
AFC-
T1
GND
DAC3
DAC2
DAC1
DAC0
OSC
FDIV
VP2
P13
P12
P11
P10
VP3
VP1
TUN
BRI
CON
+12 V
RR39
9,1 K
RR34
100K
RR33 47K
RR38 43K
RR40
68K
RR43
16K
RZ02
4MHZ
RC 07
33
RC 08
473
RC10
16V
1000 μ
RQ 06
KSC815-Y
RR46
47K
RR 28
1K
RR13
47
RC12
50 V1 μ
AFT
UHF
GND
CNR 02
TO MAIN


TO MAIN
TO MTTS2
CNC 05
RN04A
CLD03
CLD02
RCR05
560
RCR06
560
CRP02
390
CRP01
22
CCP01
16V 47μ
RMS01
RIC 04
SAA 1061
RC 02
RC 03
RC 05
RC 06
RC 07
RC 04
RC 08
RC 01
RC 10
RC 09
RC 14
RC 15
RC 13
RC 16
RC 12
RC 11
16 OUT PUT
16 - BIT LACH
CBUS RECEIVER & INPUT FORMAT CHECK
SAA1061
ENA
B+
S/W
GND
SDA
SCL
CNC 08
TO MTTS2
RC 01 - RC 16 : 390×16

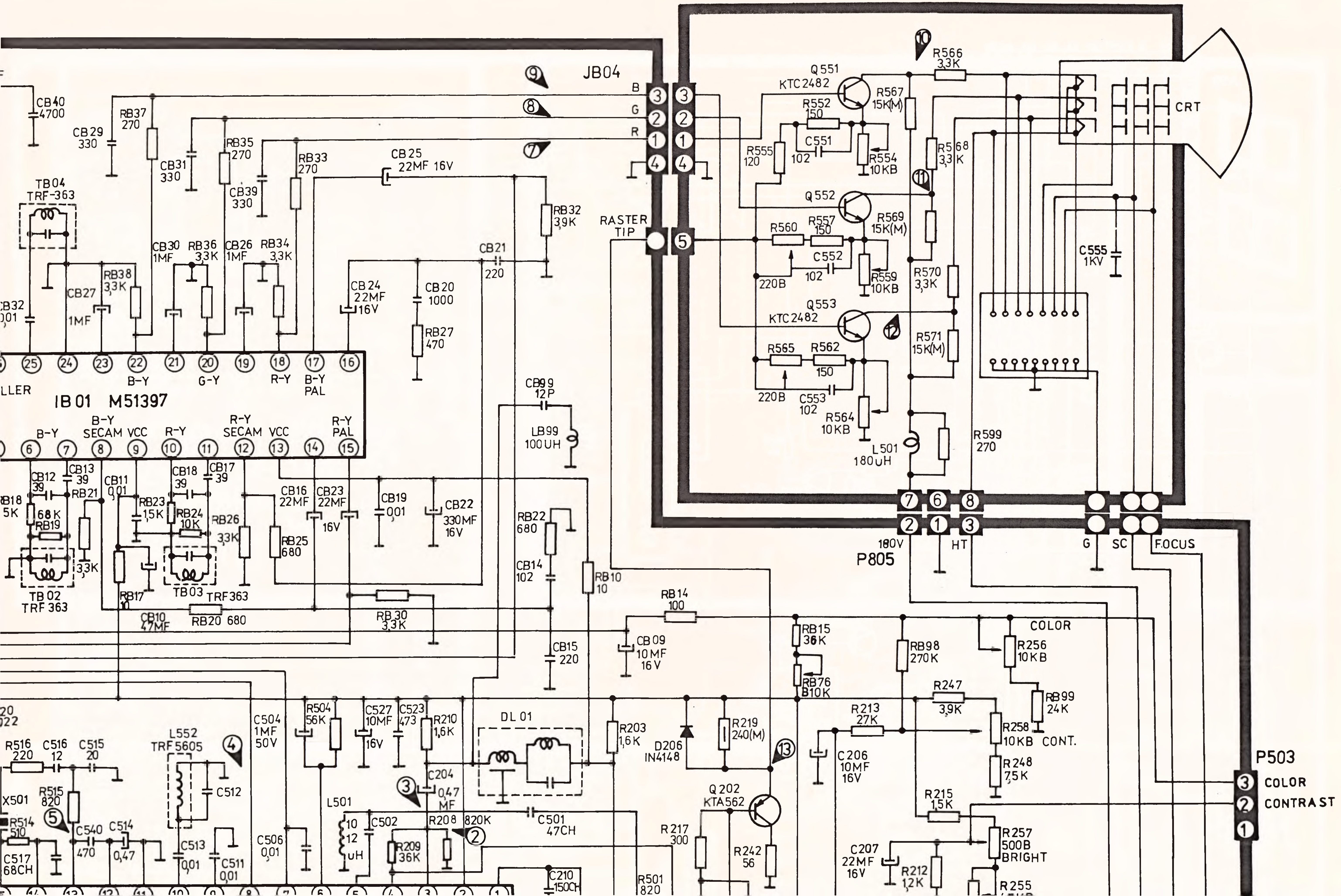

CNR07
TQ07 KSC815-Y
TR33
2K
TR34
10K
TQ 08
KSC 815-Y
TR28 15K
TR35 2K
TIC02
SAA 5231
TC26
50V 0,47μ
RF SENSITIVITY
SVS SENSOR
ADAPTIVE SYNC SEPARATOR
RF LEVEL STABILIZER
LEVEL SENSOR
PULSE GENERATOR
TELETEXT DATA SEPARATOR
PHASE COMPARATOR
SAA 5231
TC14
50V 2,2μ
TC15
683
TC16
221
TR25 56K
TR31 470
TC34
50V 10μ
TC17
473
TC29
101
TC 28 101
TR38
180
TD 07
3,6V
TC06 15
TC07 102
TC08 471
TC05 223
TC09 271
TC10 101
VCC
CLOCK
CS2
CS1



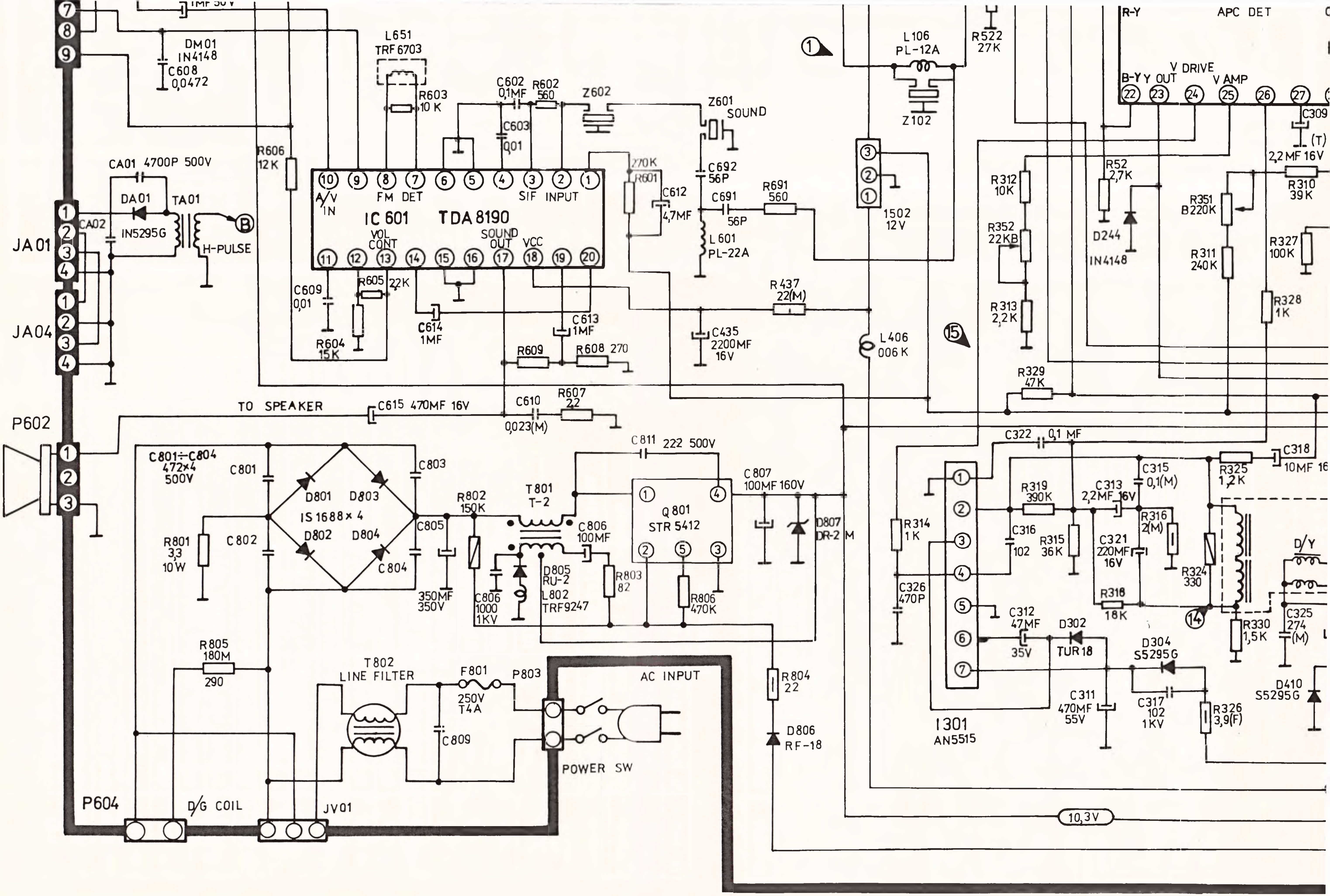
TZ02
13,875 MHZ
OSCILLATOR :2
PHASE DETECTOR
OUTPUT RESISTOR CLK
VCO
GND
VCC
TC30
473
TR29
27
TR26
330
TV01
40
C12
TL01
15μF
KM6264CP
PRECHARGE CIRCUIT
128X256
ROW DECODER
128X256
I/O CIRCUIT
COLUMN SELECT
ROW PRE-DECODER
INPUT DATA CONTROL
A12 A7 A6 A5 A4 A3 A2 A1 A0
VSS
TIC 02
KM6264AL-10
S-RAM
PIN 30-40
RAM-ADDRESS
PIN 22-29
RAM DATA
GND
MEMORY INTERFACE
REFRESH AND GENERATOR SYNC
RAM CONTROL SIGNAL
RAM ADDRESS/ MUX-CONTROL
DATA ACQUISITION
TIMING
CHARACTER GENERATOR
I2 C-BUS INTERFACE
TIC 03
SAA 5243
ECCT
VCC A A/MC OE WE TTD TTC HOK F6 VCS SAND TCS/SCS R G B BLAN Y SCL SDA
TC24
103
TC23
16V
47μ
TC25
102
TIC 01
MAB 8461P W115
SAFARI
P SDA SCL P00 P01 P02 P03 P04 P05 P06 P07 INT/T0 T1 VSS
VCC P21 P20 P17 P16 P15 P14 P13 P12 P11 P10 RESET XTAL2 XTAL1
TC32
103
TC33
6,3V
1000μ
R36
2K
TC03
50V
2,2μ
TR37
4,7K
TD02
1N4148
TD01
1N4148
TQ01
KSC815-Y
TR22
390
TD03
3,6VZ
TR04
1,8K
TR02
1M
TZ01
6MHZ
TC01
27
TC02
27
TD05
1N4148
TQ02
KSA539-Y
TR05
10K
TR06
82K
TD06
1N4148
TR07
4,7K
TR08
3,3K
TQ03
KSC815-Y
TR10
47
TR03
2,2K
TR12
3,3K
TQ04
KSC815-Y
TR13
47
TR09
2,2K
TR15
3,3K
TQ05
KSC815-Y
TR16
47
TR14
2,2K
TR18
2,2K
TQ06
KSC815-Y
TR19
47
TR17
2,2K
GND B G R +12
CNR 04
TO MAIN



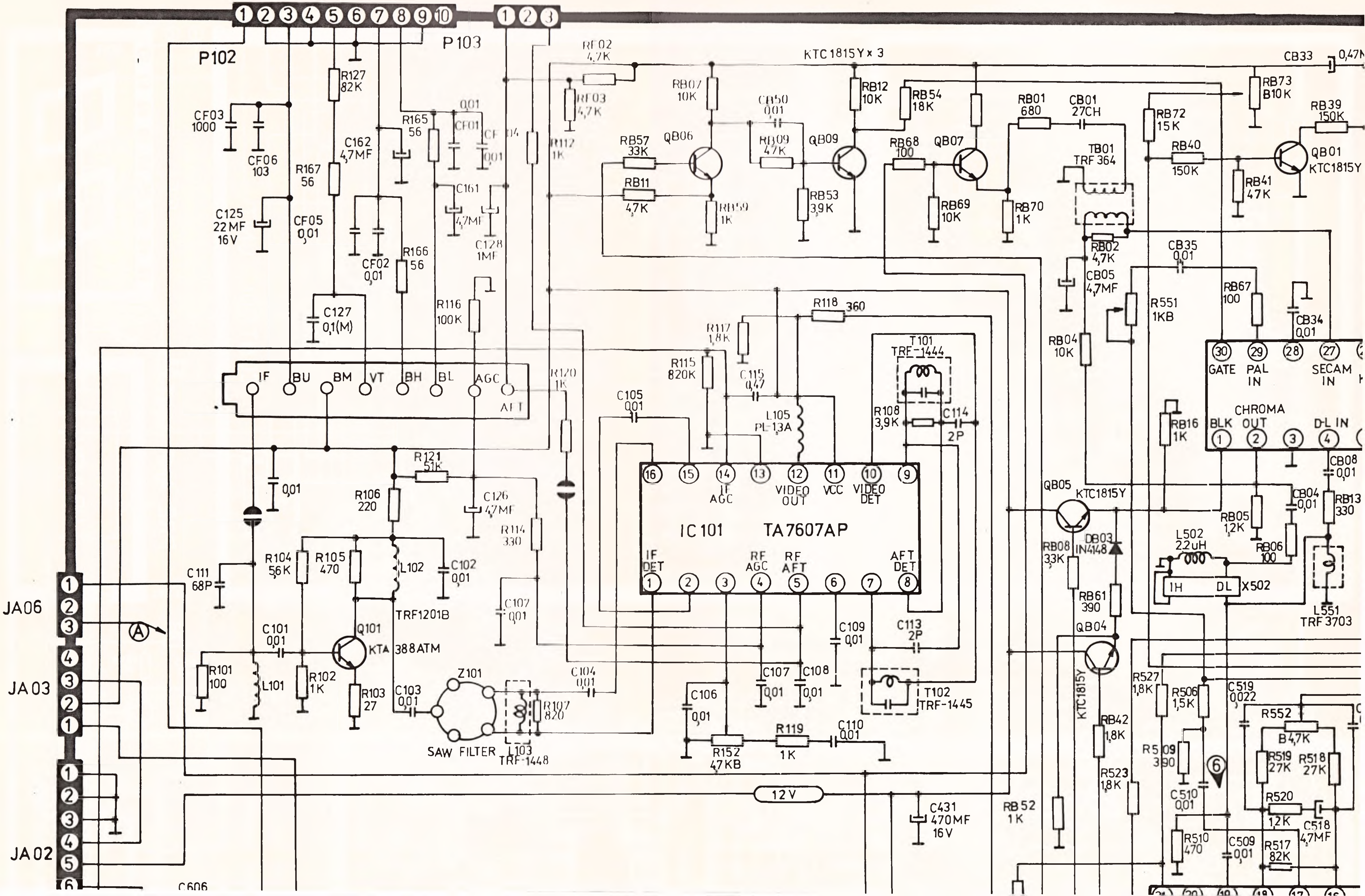
TA7698AP
OSC
BURST OUT
TINT
CHRO OUT
COL DET
ACC
CHRO IN
BRI CONT
CLAMP IN
VCC
H DRIVE
VCC
H OSC
PHASE
SYN
SEP
H PUL
IN
VIDEO OUT
CONTRA CONT
C308 0,22MF16V (T)
C402 1500P
C401 0,01
R303 2,2M
R309 8,2M
R308 2,4K
R307 3K
R306 750
R305 10K
C406
IMF C407
C305 1500(M)
C304 0,033 (M)
C306 0,015
C404 1000CH
R403 56K
R404 9,1K
R304 56K
C303 560
D203 IN4148
R414 8,2K(M)
R415 2K
D403 IS1886F
R502 2,4K
R331 100K
D240 IN4148
R301 750
L201 10UH
R207 330
R204 820
D204 IN4148
D242 IN4148
C240 22MF 16V
R240 18K
D205 IN4148
R214 4,7K
D241 IN4148
R302 560K
C301 1MF
D301 IN4148
C302 0,01
DV17 S5295G
CV16 50V47MF
RV38 47
-30V
H SYNC
D305 IN4148
R241 150K
R416 7,5K
R406 7,5K 3W
R405 120
R407 3,6K
R408 1,5K
R410 3,6K
R411 3,6K
R412 1KB
C411 0,47MF
R413 4,7K
C412 0,47MF 50V
C426 0,022(M)
R438 10K
T402 FBT
D402 IN4148
R451 B10K
R409 120K
C408 3000 (M)
C409 5600(M)
C410 9100(M)
R432 1,8K
L401 PL-1K
L403
R436 560(M)
RU-2
D408
C429 4,7MF 160V
C440
L405 AZ9004Y
FOCUS
SCREEN
C413 10P 500V
Z001PE T401
L404
Q402
C419 6000(M) 1,6KV
C418 470 2K
C430 IMF160V
Q401 KTC2482
C415 560 500V
C417 2200 500V
L402, L404 HC4035×2
R435 2(F)
D406 S5295G
C422 1500 500V
R440 24K
C414 102 500V
R433 2,4K(M)
C421 1000MF 25V
C440 10MF 160V
R430 10(M)
C427 1000 500V
D407 S5295G
C428 10MF 160V
R431 4,7(F)
16,5V
TEC



JB04
B
G
R
RASTER TIP
CRT
Q551
KTC2482
R566
3,3K
R567
15K(M)
R552
150
C551
102
R554
10KB
R555
120
R568
3,3K
Q552
R557
150
R569
15K(M)
R560
C552
102
220B
R559
10KB
C555
1KV
R570
3,3K
Q553
KTC2482
R571
15K(M)
R565
R562
150
220B
C553
102
R564
10KB
L501
180uH
R599
270
P805
180V
HT
G
SC
FOCUS
CB40
4700
CB29
330
RB37
270
CB31
330
RB35
270
CB39
330
RB33
270
CB25
22MF 16V
RB32
3,9K
TB04
TRF-363
CB30
1MF
RB36
3,3K
CB26
1MF
RB34
3,3K
CB21
220
CB27
1MF
RB38
3,3K
CB24
22MF
16V
CB20
1000
RB27
470
B-Y
G-Y
R-Y
B-Y PAL
IB01 M51397
B-Y SECAM
VCC
R-Y SECAM
R-Y PAL
CB99
12P
LB99
100UH
CB12
39
CB13
39
RB21
CB11
0,01
RB23
1,5K
CB18
39
CB17
39
RB24
10K
RB26
33K
CB16
22MF
CB23
22MF
16V
CB19
0,01
CB22
330MF
16V
RB22
680
CB14
102
RB10
10
RB19
68K
3,3K
RB25
680
TB02
TRF 363
RB17
10
TB03
TRF 363
CB10
47MF
RB20 680
RB30
3,3K
RB14
100
CB09
10MF
16V
CB15
220
RB15
36K
RB76
B10K
RB98
270K
COLOR
R256
10KB
R247
3,9K
RB99
24K
R213
27K
R258
10KB
CONT.
R248
7,5K
P503
COLOR
CONTRAST
C206
10MF
16V
R215
1,5K
R257
500B
BRIGHT
C207
22MF
16V
R212
1,2K
R255
R516
220
C516
12
C515
20
L552
TRF 5605
C512
R515
820
X501
R514
510
C540
470
C514
0,47
C513
0,01
C511
0,01
C517
68CH
C504
1MF
50V
C506
0,01
R504
56K
C527
10MF
16V
C523
473
R210
1,6K
DL01
C204
0,47
MF
L501
10
12
uH
C502
R208
820K
R209
36K
C501
47CH
R203
1,6K
D206
IN4148
R219
240(M)
Q202
KTA562
R217
300
R242
56
R501
820
C210
150CH



DM01
IN4148
C608
0,0472
L651
TRF 6703
R603
10 K
C602
0,1MF
R602
560
Z602
Z601
SOUND
C603
001
R606
12 K
CA01 4700P 500V
DA01
TA01
IN5295G
CA02
H-PULSE
B
JA01
JA04
A/V
IN
FM DET
SIF INPUT
IC 601
TDA 8190
VOL
CONT
SOUND
OUT
VCC
270K
R601
C612
4,7MF
C692
56P
C691
56P
R691
560
L 601
PL-22A
C609
0,01
R605
22K
R604
15K
C614
1MF
C613
1MF
R609
R608 270
C435
2200MF
16V
R437
22(M)
L106
PL-12A
Z102
R522
27K
1502
12 V
L406
006 K
R-Y
APC DET
B-Y
Y OUT
V DRIVE
V AMP
C309
(T)
2,2 MF 16V
R310
39K
R312
10K
R52
2,7K
R351
B220K
R352
22KB
D244
IN4148
R311
240K
R327
100K
R313
2,2K
R328
1K
R329
47K
P602
TO SPEAKER
C615 470MF 16V
C610
0,023(M)
R607
22
C801÷C804
472×4
500V
C801
C803
D801
D803
IS 1688 × 4
D802
D804
C802
C804
C805
R801
3,3
10W
R802
150K
T801
T-2
C811
222 500V
C806
100MF
C806
1000
1KV
D805
RU-2
L802
TRF9247
R803
82
Q 801
STR 5412
R806
470K
C 807
100MF 160V
D807
DR-2 M
350MF
350V
C322
0,1 MF
C318
10MF 16
R325
1,2K
R319
390K
C313
2,2MF 16V
C315
0,1(M)
R316
2(M)
R314
1K
C316
102
R315
36K
C321
220MF
16V
R324
330
C326
470P
R318
18K
D/Y
C325
274
(M)
C312
47MF
35V
D302
TUR18
R330
1,5K
D304
S5295G
C311
470MF
55V
C317
102
1KV
R326
3,9(F)
D410
S5295G
I301
AN5515
R805
180M
290
T802
LINE FILTER
F801
250V
T4A
P803
AC INPUT
C809
POWER SW
R804
22
D806
RF-18
P604
D/G COIL
JV01
10,3V

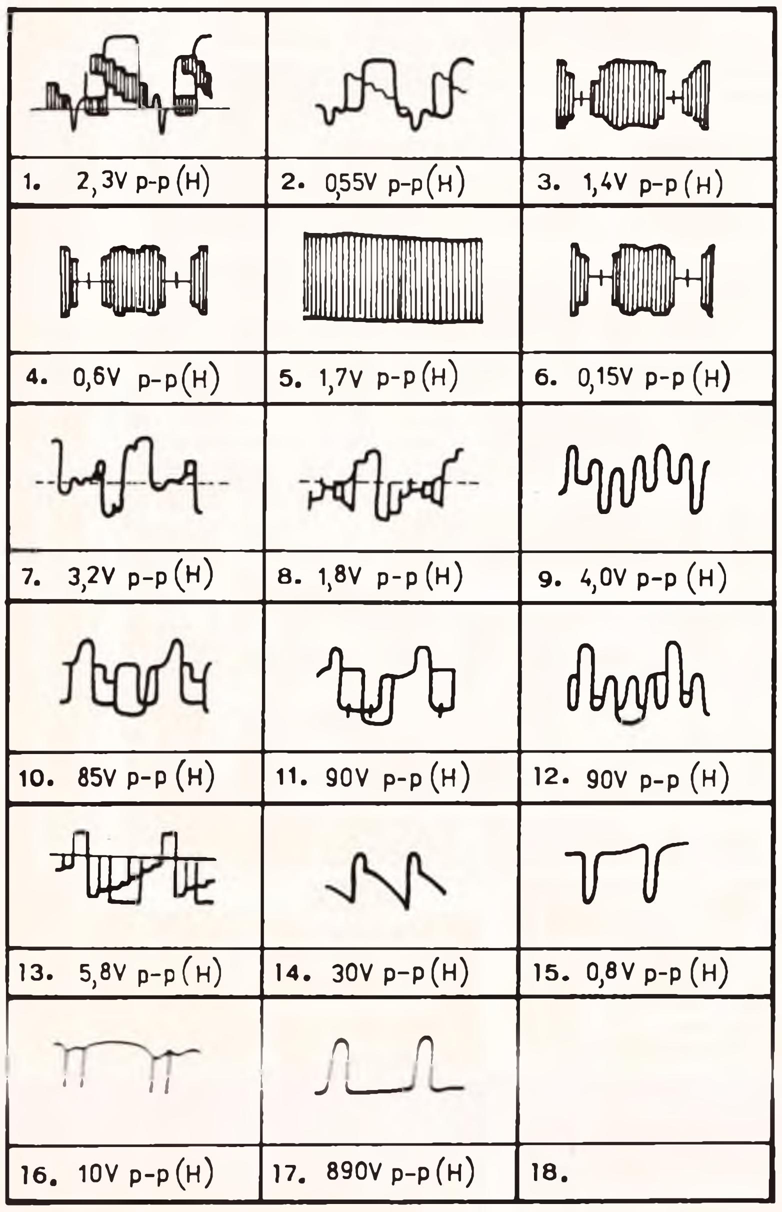


P102
P103
KTC 1815Y x 3
RF02 4,7K
RF03 4,7K
R127 82K
CF03 1000
CF06 103
R167 56
C162 4,7MF
R165 56
CF01 0,01
CF04 0,01
R112 1K
C125 22MF 16V
CF05 0,01
CF02 0,01
C161 4,7MF
C128 1MF
R166 56
R116 100K
C127 0,1(M)
RB07 10K
RB57 33K
QB06
RB11 4,7K
RB59 1K
CB50 0,01
RB09 4,7K
QB09
RB53 3,9K
RB12 10K
RB54 18K
RB68 100
QB07
RB69 10K
RB01 680
CB01 27CH
RB70 1K
TB01 TRF 364
RB02 4,7K
CB05 4,7MF
CB33
RB73 B10K
RB72 15K
RB40 150K
RB39 150K
QB01 KTC1815Y
RB41 47K
CB35 0,01
R551 1KB
RB67 100
CB34 0,01
RB04 10K
GATE
PAL IN
SECAM IN
CHROMA
BLK
OUT
D-L IN
RB16 1K
CB08 0,01
RB13 330
CB04 0,01
RB05 1,2K
RB06 100
QB05 KTC1815Y
RB08 33K
DB03 IN4148
L502 2,2uH
1H DL X502
L551 TRF 3703
RB61 390
QB04
KTC1815Y
RB42 1,8K
R523 1,8K
RB52 1K
R527 1,8K
R506 1,5K
C519 0,022
R552 B4,7K
R519 27K
R518 27K
R5 09 390
C510 0,01
R520 12K
C518 4,7MF
R510 470
C509 0,01
R517 82K
IF BU BM VT BH BL AGC AFT
R120 1K
C105 0,01
R117 1,8K
R115 820K
R118 360
C115 0,47
L105 PL-13A
T101 TRF-1444
R108 3,9K
C114 2P
IC 101 TA7607AP
IF AGC
VIDEO OUT
VCC
VIDEO DET
IF DET
RF AGC
RF AFT
AFT DET
R121 51K
R106 220
C126 47MF
R114 330
C111 68P
R104 56K
R105 470
L102
C102 0,01
TRF1201B
C107 0,01
C101 0,01
Q101 KTA 388ATM
R101 100
L101
R102 1K
R103 27
C103 0,01
Z101
SAW FILTER
L103 TRF-1448
R107 820
C104 0,01
C109 0,01
C113 2P
C107 0,01
C108 0,01
T102 TRF-1445
C106 0,01
R152 47KB
R119 1K
C110 0,01
12V
C431 470MF 16V
JA06
JA03
JA02
C606

SAFETY CAUTION:

BEFORE SERVICING THIS CHASSIS, IT IS IMPORTANT THAT THE SERVICE TECHNICIAN READ AND FOLLOW THE X-RAY RADIATION PRECAUTION, "SAFETY PRECAUTIONS" AND "PRODUCT SAFETY NOTICE" IN THE SERVICE MANUAL.

1. WAVEFORMS TAKEN USING SIGNAL FROM A STANDARD COLOR BAR GENERATOR.
2. ⊃➤ INDICATES WAVEFORM CHECK POINTS.



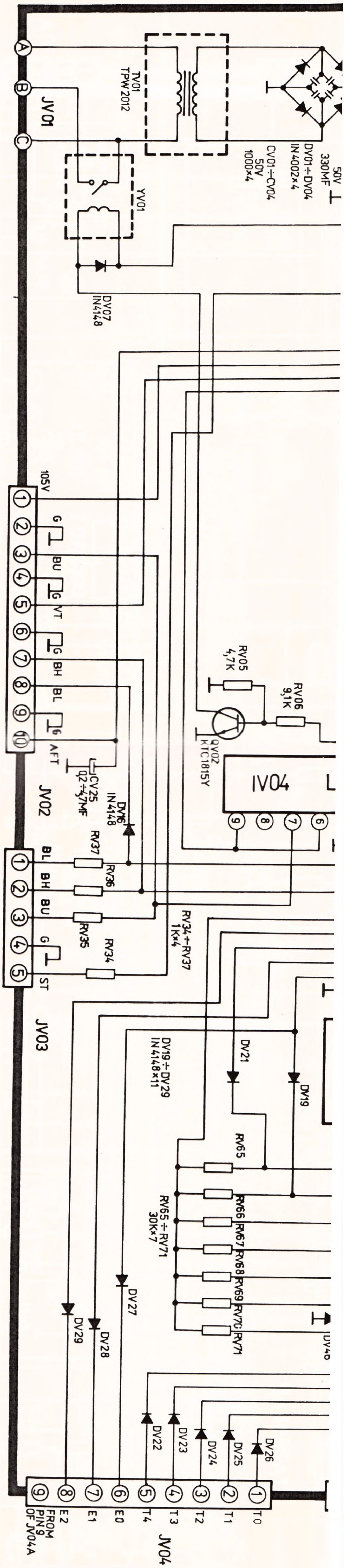
NOTES:

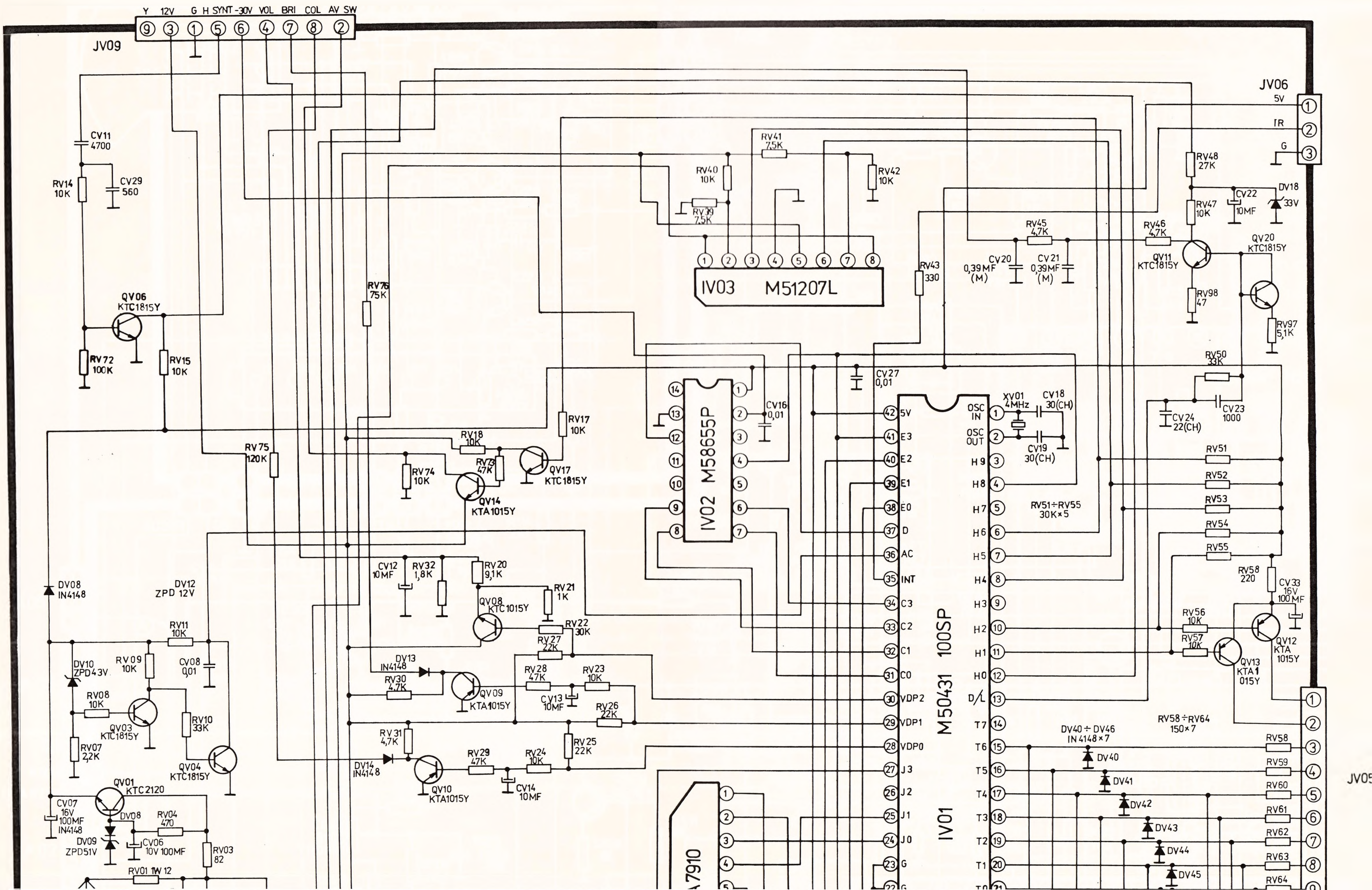
1. RESISTANCE VALUES ARE IN OHMS K=1000, M=1,000,000.
2. CAPACITANCE VALUES 1.0 AND ABOVE ARE IN pF, THOSE BELOW ARE IN uF EXCEPT AS INDICATED.
3. INDUCTOR VALUES IN uH EXCEPT AS INDICATED.
4. VOLTAGES ARE MEASURED FROM CHASSIS GROUND TO POINT INDICATED WITH A "VTVM" WHILE RECEIVING A COLOR BAR SIGNAL WITH ALL CONTROLS SET TO THE MAXIMUM POSITION. (FOR A NOMINAL LINE VOLTAGE AC 110÷260V, 50HZ).
5. SINCE THE CIRCUIT DIAGRAM IS A STANDARD ONE, THE CIRCUIT AND CIRCUIT CONSTANTS MAY BE SUBJECT TO CHANGE FOR IMPROVEMENT WITHOUT ANY NOTICE.

PRODUCT SAFETY NOTE:

SHADE COMPONENTS HAVE SPECIAL CHARACTERISTICS IMPORTANT TO SAFETY AND SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL OR SPECIFIED IN THE PARTS LIST.
DON'T DEGRADE THE SAFETY OF THE SET THROUGH IMPROPER SERVICING.

LOCATION NO	14,16 INCH	20 INCH	LOCATION NO	14,16 INCH	20 INCH
Q 402	2SD1554	2SD1555			
T 301	SPC462550	SPC462548	R 241	150K OHM	120K OHM
T 402	DCF1551P	DCF 2052P	R 431	2W 3OHM (F)	2W1 OHM (F)
C 325	0,30 200V	0,33 200V			
C 420	3000 1,6KV	3900 1,6KV	CRT	14" 370EGB22	510 RJB 22
				16" 420BKB22A	





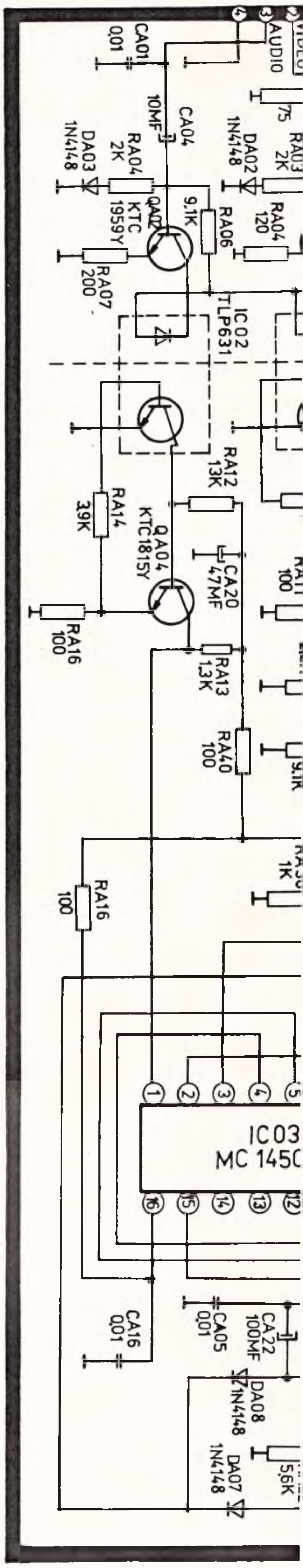
JV09
Y
12V
G
H SYNT
-30V
VOL
BRI
COL
AV SW
JV06
5V
IR
G
CV11 4700
RV14 10K
CV29 560
QV06 KTC1815Y
RV72 100K
RV15 10K
RV76 75K
RV75 120K
RV18 10K
RV73 47K
RV74 10K
QV14 KTA1015Y
QV17 KTC1815Y
RV17 10K
RV40 10K
RV39 7,5K
RV41 7,5K
RV42 10K
IV03 M51207L
RV43 330
RV45 4,7K
CV20 0,39MF (M)
CV21 0,39MF (M)
RV46 4,7K
QV11 KTC1815Y
RV48 27K
RV47 10K
CV22 10MF
DV18 33V
QV20 KTC1815Y
RV98 47
RV97 5,1K
RV50 33K
CV23 1000
CV24 22(CH)
CV27 0,01
CV16 0,01
IV02 M58655P
XV01 4MHz
CV18 30(CH)
CV19 30(CH)
OSC IN
OSC OUT
5V
E3
E2
E1
E0
D
AC
INT
C3
C2
C1
C0
VDP2
VDP1
VDP0
J3
J2
J1
J0
G
H9
H8
H7
H6
H5
H4
H3
H2
H1
H0
D/L
T7
T6
T5
T4
T3
T2
T1
M50431 100SP
IV01
RV51
RV52
RV53
RV54
RV55
RV51÷RV55 30K×5
RV58 220
CV33 16V 100MF
RV56 10K
RV57 10K
QV12 KTA 1015Y
QV13 KTA1 015Y
RV58÷RV64 150×7
DV40÷DV46 IN4148×7
DV40
DV41
DV42
DV43
DV44
DV45
RV58
RV59
RV60
RV61
RV62
RV63
RV64
JV05
CV12 10MF
RV32 1,8K
RV20 9,1K
RV21 1K
QV08 KTC1015Y
RV22 30K
RV27 22K
DV13 IN4148
RV30 4,7K
QV09 KTA1015Y
RV28 47K
RV23 10K
CV13 10MF
RV26 22K
RV31 4,7K
DV14 IN4148
QV10 KTA1015Y
RV29 47K
RV24 10K
CV14 10MF
RV25 22K
A7910
DV08 IN4148
DV12 ZPD 12V
RV11 10K
DV10 ZPD43V
RV09 10K
CV08 0,01
RV08 10K
QV03 KTC1815Y
RV10 33K
QV04 KTC1815Y
RV07 2,2K
QV01 KTC2120
CV07 16V 100MF
DV08 IN4148
DV09 ZPD51V
RV04 470
CV06 10V 100MF
RV03 82
RV01 1W 12

LIST OF DIODES AND TRANSISTORS

TYPE	SHORT DESCRIPTION, DATA	EQUIVA- -LENTS
	DIODES	
1N4148	Si; FAST SWITCH; 100V; 0.2A; <4ns	
1N4002÷4	Si; RECT; 100V; 400V; 1A	
1N5295G		
1S1835	Si; RECT; SWITCH; 600V; 1A; <350ns	BYX55/600
1S1555	Si; FAST SWITCH; DET; 200V; 160mA; 50ns	
1S1688	Si; Uni; RECT; 800V; 1A	
1S1886	Si; RECT; 200V; 1A	BY133
DR-2M	ZENER DIODE; 160V	
RF-1B	Si; SWITCH; RECT; 400V; 0.6A; <400ns	BY201/400 BYX55/400
RU-2	Si; Uni; FAST RECOVERY; 600V; 1A; 200ns	
TVR 18		
TVR 20		
TPS 703	INFRARED PIN DETECTOR DIODE; 30V; 50nA; 100mW; 50ns	
TLN 105		
S5295G,J	Si; Uni; FAST RECOVERY; 600V; 1A; 200ns	
ZPD 4.3V	ZENER DIODE; 4.3V; 0.5W; 5%	
ZPD 5.1V	ZENER DIODE; 5.1V; 0.5W; 5%	

TRANSISTORS

2SA940	Si; PNP; TV-VA; NF/S-L; 150V; 1.5A; 25W; 4MHz	2SB861
2SA966	Si; PNP; NF-Tr/E; 30V; 1.5A; 0.9W; 120MHz	BD530
2SA1015Y	Si; PNP; Uni; 50V; 0.15A; 0.4W; >80MHz	BC556
2SA1013	Si; PNP; CTV-NF/VA; 160V; 1A; 0.9W; >15MHz	(2SB861)
2SA562 TM-Y	Si; PNP; Uni; 30V; 0.4A; 0.3W; 70MHz	BC640
2SB774T	Si; PNP; Uni; 30V; 0.1A; 0.25W; 150MHz	BC556
2SC1815Y	Si; NPN; Uni; 60V; 0.15A; 0.4W; >80MHz	BC546
2SC2120Y	Si; NPN; Uni; 30V; 0.8A; 0.6W; 120MHz	BC639
2SC2335	Si; NPN; NF/S-L; 500/400V; 7A; 40W	BUT56A
2SC2236	Si; NPN; NF/S-L; 180V; 1.5A; 25W; 95MHz	2SD1138
2SC2717	Si; NPN; TV-ZF; >300MHz	BF198 BF199
2SC2229	Si; NPN; NF-Tr; Vid; 200V; 0.05A; 0.8W; 120MHz	BF420A
2SC2482	Si; NPN; Vid; TV-HA-Tr; 300V; 0.1A; 0.9W	(BF459)
2SC2073	Si; NPN; TV-VA; NF/S-L; 150V; 1.5A; 25W; 4MHz	2SD1138
2SD820	Si; NPN; TV-HA; 1500/600V; 5A; 50W	BU208
2SD400F	Si; NPN; Uni; 25V; 1A; 0.9W; 180MHz	BC639
2SD1426	Si; NPN; +Di; TV-HA; 1500V; 3.5A; 80W	S2055AF
BSX20	Si; NPN; FAST SWITCH; 40V; 0.5A(ss); 0.36W; <7/21ns	BSS10 BSX26
KTC1815Y	See 2SC1815Y	
KTA1015Y	See 2SA1015Y	
KTC2120	See 2SC2120	
KTC388ATM	Si; NPN; TV-ZF; 400MHz	BF199
KTC2482	Si; NPN; Vid; TV-HA-Tr; 300V; 0.1A; 0.9W	(BF459)
KTA562	Si; PNP; Uni; 30V; 0.4A; 0.3W; 70MHz	BC640



ABBREVIATIONS:

Uni – ge

TV-VA – ve

NF-AF – ap

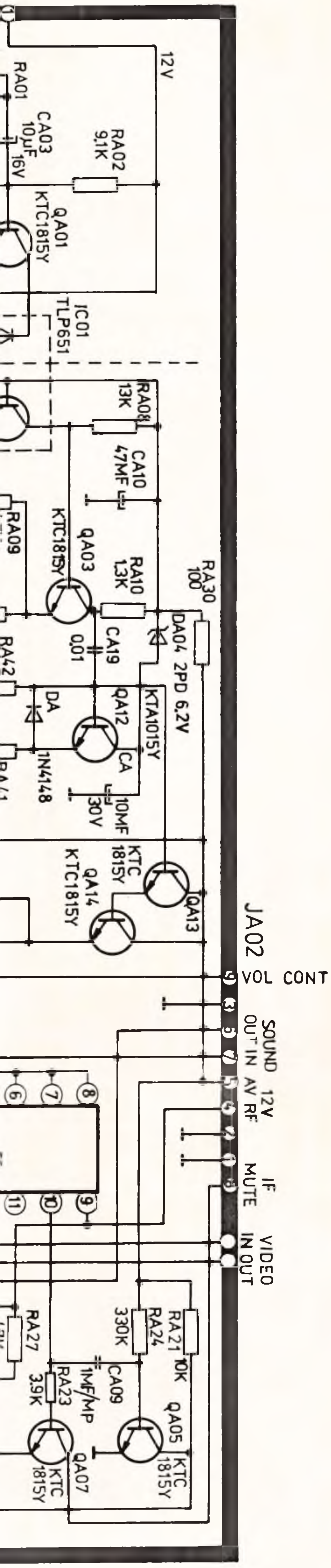
S – sv

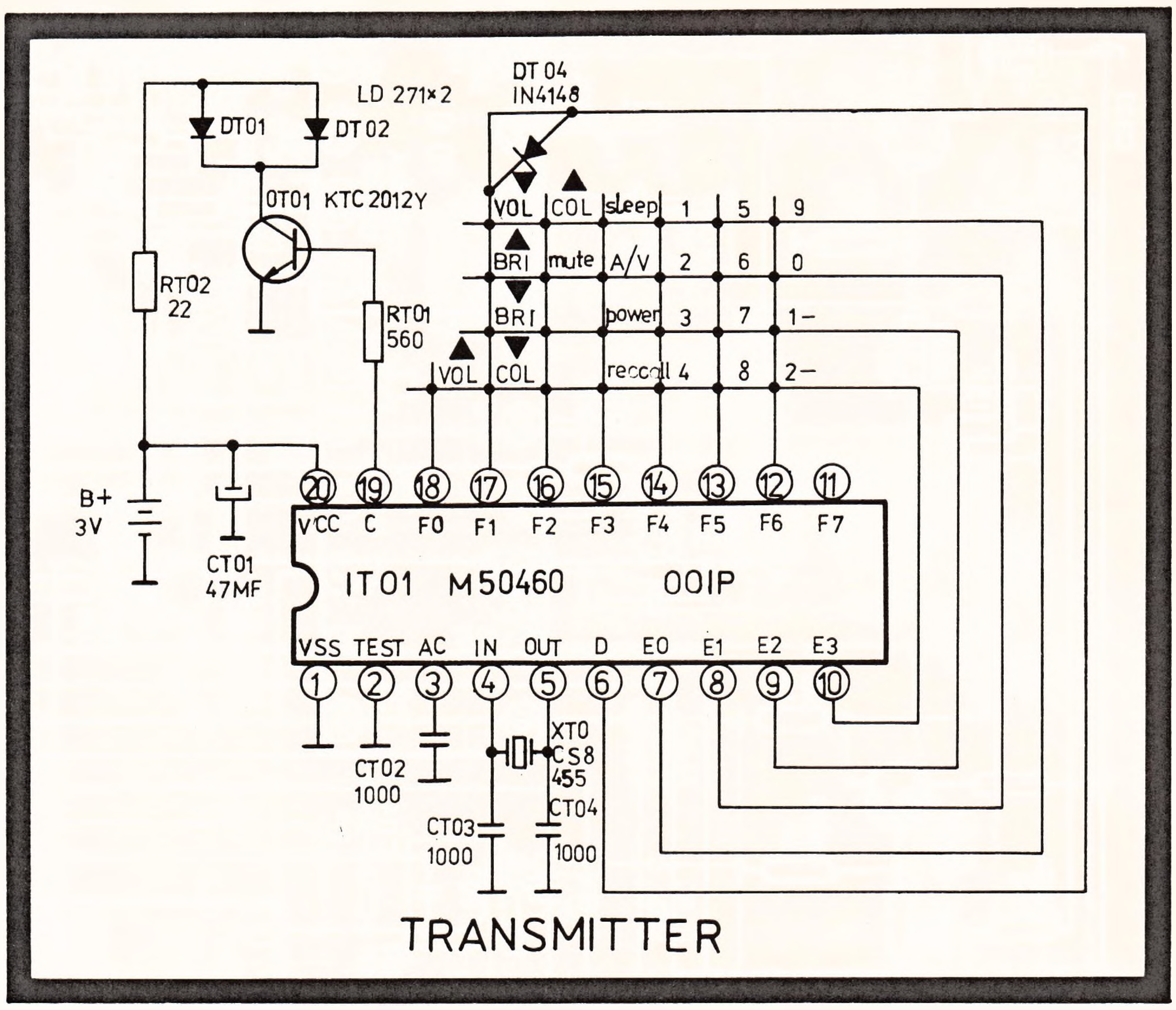
L – pc

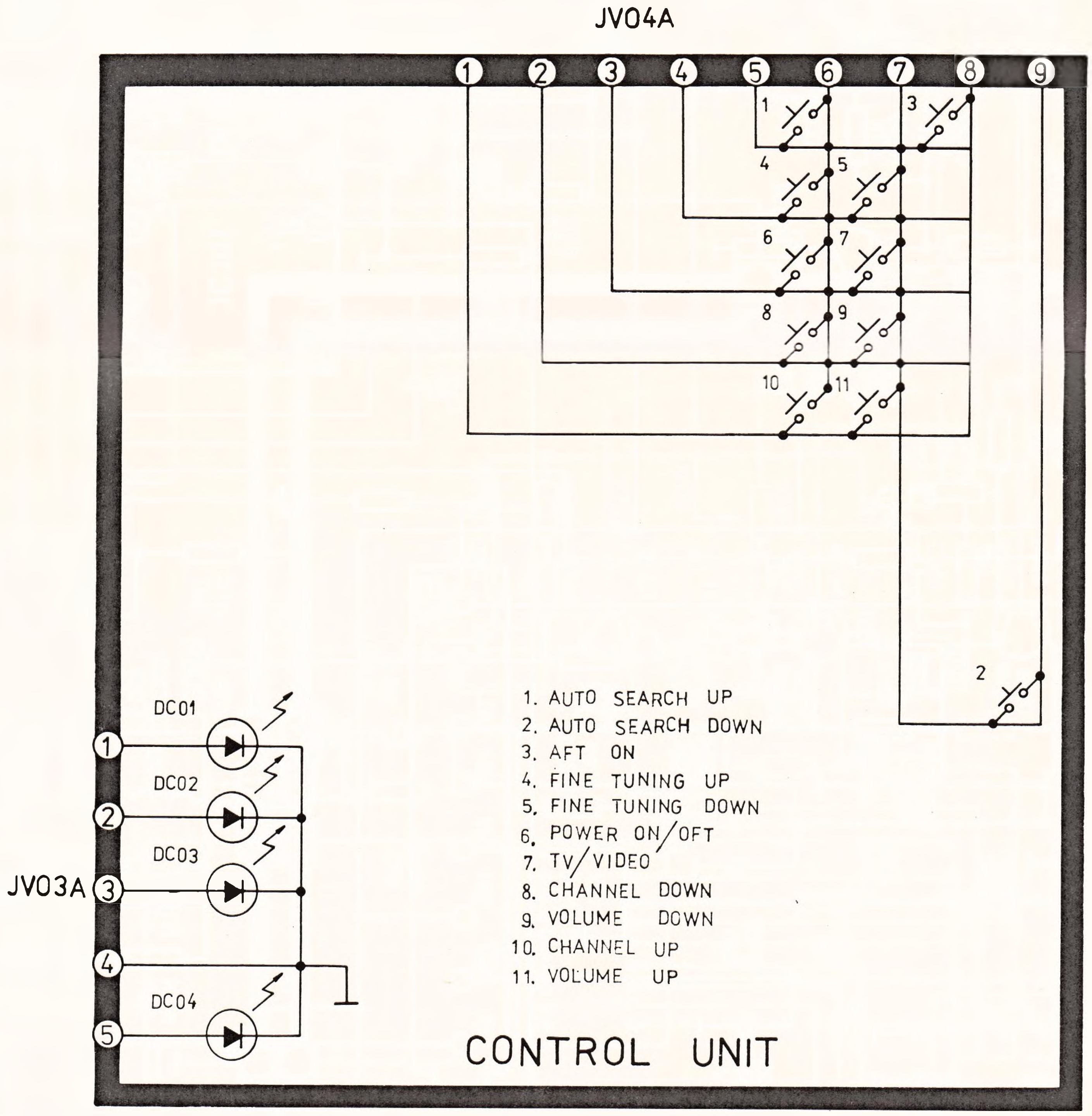
Tr – dr

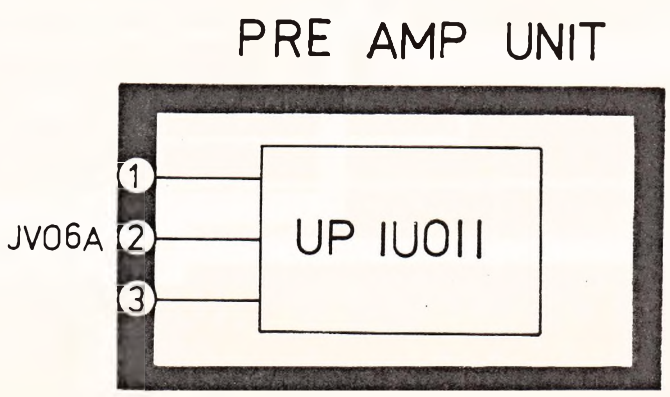
Vid – vi

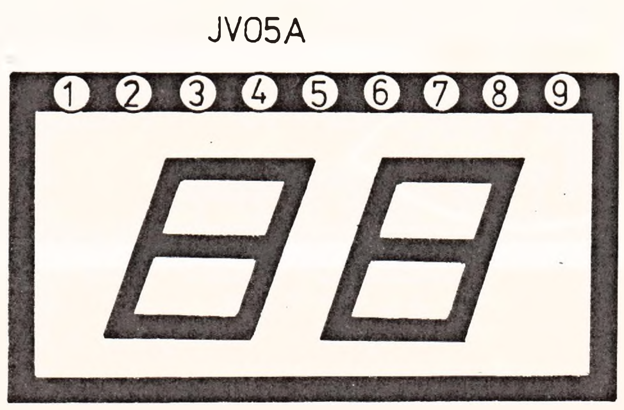
HA – hc











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