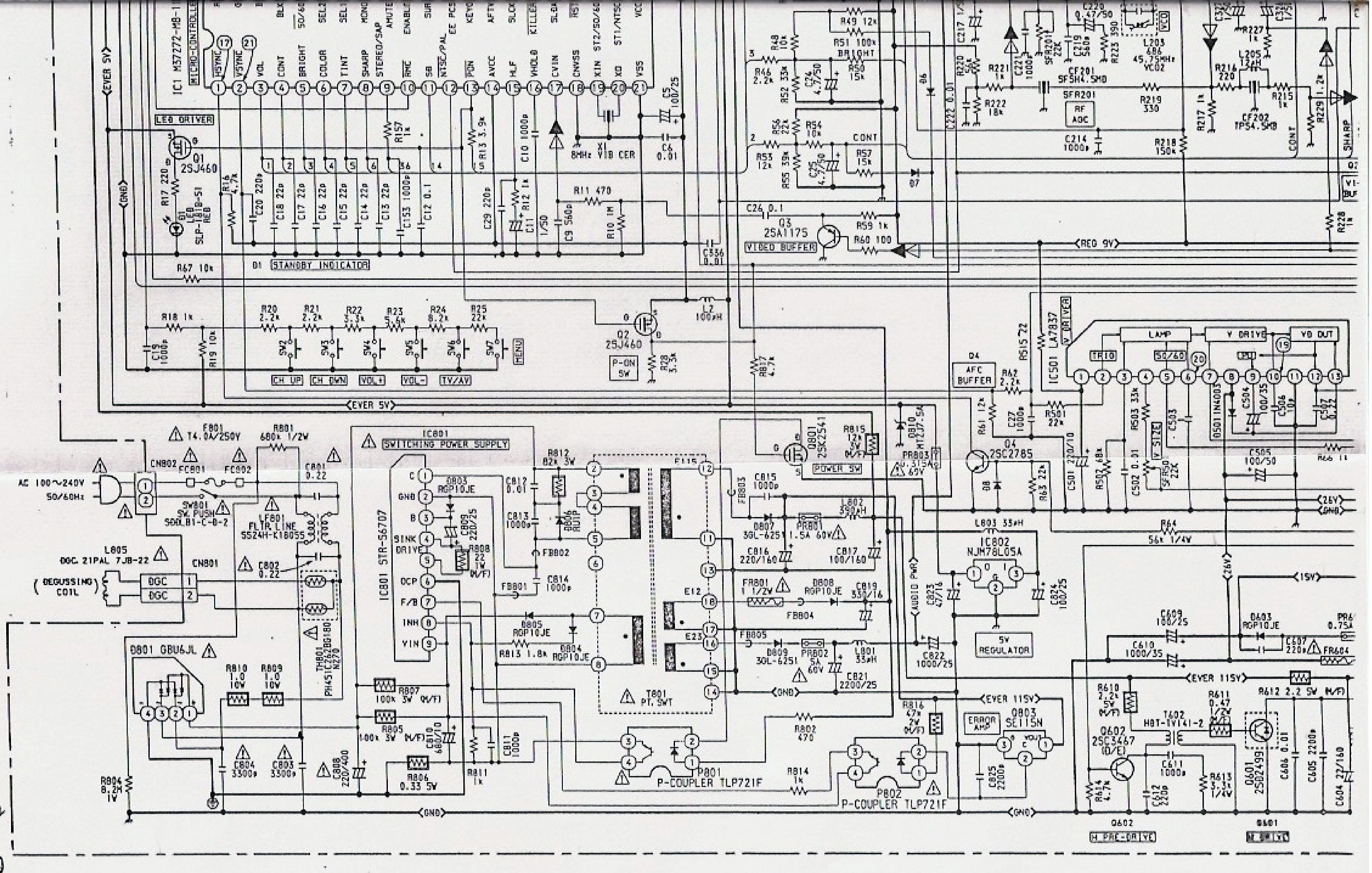
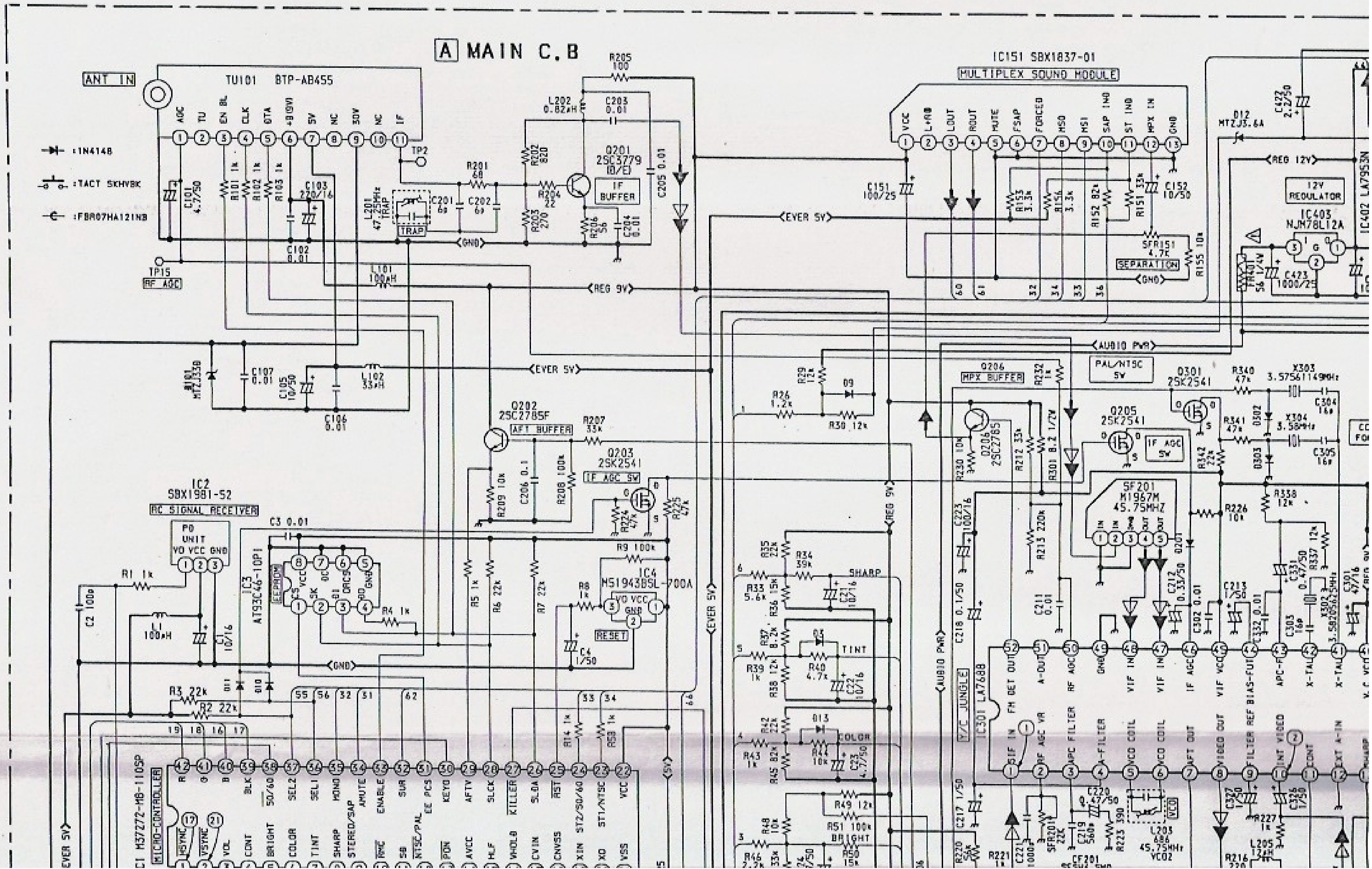
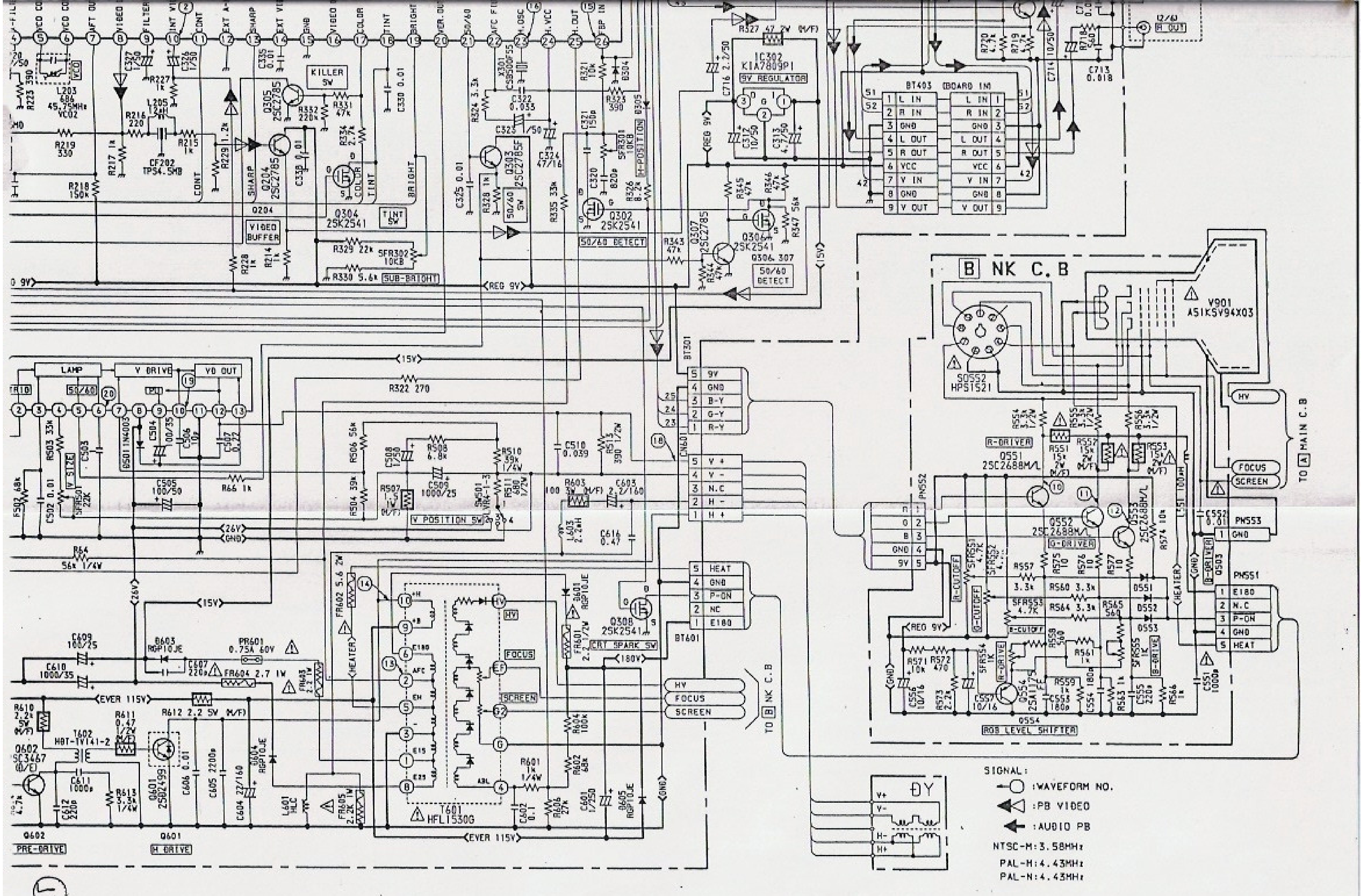

IC1 M37272-MB-1
MICRO-CONTROLLER
HSYNC
VSYNC
VOL
CONT
BRIGHT
COLOR
TINT
SHARP
STEREO/SAP
MONO
AMUTE
ENABLE
RMC
SB
NTSC/PAL
PON
AVCC
HLF
VHOLD
CVIN
CNVSS
XIN
XO
VSS
EE PCS
KEYO
AFTV
SLCK
KILLER
ST2/50/60
ST1/NTSC
VCC
LED DRIVER
Q1 2SJ460
R17 220
D1 SLP-181B-51 RED
R16 4.7k
C20 220p
C18 22p
C17 22p
C16 22p
C15 22p
C14 22p
C13 22p
C153 1000p
C12 0.1
R157 1k
R13 3.9k
C10 1000p
C29 220p
R12 1k
C11 1/50
C9 560p
R11 470
R10 1M
X1 8MHz VIB CER
C5 100/25
C6 0.01
STANDBY INDICATOR
R67 10k
(EVER 5V)
(GND)
R18 1k
C19 1000p
R19 10k
R20 2.2k
R21 2.2k
R22 3.3k
R23 5.6k
R24 8.2k
R25 22k
SW2 CH UP
SW3 CH DWN
SW4 VOL+
SW5 VOL-
SW6 TV/AV
SW7 MENU
Q2 2SJ460
P-ON SW
R28 3.3k
L2 100μH
C336 0.01
R49 12k
R48 10k
R51 100k BRIGHT
R50 15k
R46 2.2k
R52 33k
C24 4.7/50
R56 22k
R54 10k
CONT
R53 12k
R55 39k
C25 4.7/50
R57 15k
D7
D6
C26 0.1
Q3 2SA1175
VIDEO BUFFER
R59 1k
R60 100
R817 4.7k
C222 0.01
C217
R220 56k
R221 1k
C221 1000p
R222 18k
SFR201 22k
C219 560p
C220 0.47/50
R223 390
VCO
L203 686 45.75MHz VCO2
CF201 SF5H4.5MD
SFR201 RF AGC
C214 1000p
R219 330
R218 150k
R217 1k
R216 220
L205 12μH
CF202 TPS4.5MB
R215 1k
R227 1k
R229 1.2k
SHARP
R228 1k
(REG 9V)
IC501 LA7837
V DRIVER
R515 22
D4 AFC BUFFER
R62 2.2k
R61 12k
C27 1000p
R501 22k
LAMP
TRIO
50/60
V DRIVE
VD OUT
R503 33k
C503
D501 1N4003
C504 100/35
C506 10p
C507 0.22
C505 100/50
R502 68k
C502 0.01
V SIZE
SFR50 22k
C501 220/10
Q4 2SC2785
D8
R63 22k
R64 56k 1/4V
(26V)
(GND)
F801 T4.0A/250V
R801 680k 1/2W
CN802
FC801
FC802
AC 100~240V 50/60Hz
SW801 SW PUSH SDDLB1-C-B-2
C801 0.22
LF801 FLTR LINE SS24H-K18055
L805 DGC 21PAL 7JB-22
CN801
DEGUSSING COIL
DGC
C802 0.22
TH801 PH451C262BG180 N270
D801 GBU6JL
R810 1.0 10W
R809 1.0 10W
R804 8.2M 1W
C804 3300p
C803 3300p
C808 220/400
IC801
SWITCHING POWER SUPPLY
IC801 STR-S6707
C
GND
B
SINK
DRIVE
OCP
F/B
INH
VIN
D803 RGP10JE
C809 220/25
R808 22 1W (M/F)
R807 100k 3W (M/F)
R805 100k 3W (M/F)
R806 0.33 5W
C810 680/10
R811 1k
C811 1000p
R812 82k 3W
C812 0.01
C813 1000p
R806 RU1P
FB802
FB801
C814 1000p
D805 RGP10JE
D804 RGP10JE
R813 1.8k
T801 PT. SWT
E115
E12
E23
P801 P-COUPLER TLP721F
P802 P-COUPLER TLP721F
R814 1k
R802 470
R816 47k 2W (M/F)
Q801 2SK2541
R815 12k 3W (M/F)
POWER SW
D810 MTZJ7.5A
PR803 0.315A 60V
FB803
C815 1000p
D807 3GL-6251
PR801 1.5A 60V
L802 390μH
C816 220/160
C817 100/160
FR801 1 1/2W
D808 RGP10JE
C819 330/16
FB804
FB805
D809 30L-6251
PR802 5A 60V
L801 33μH
C821 2200/25
C822 1000/25
C823 47/16
AUDIO PWR
L803 33μH
IC802 NJM78L05A
C824 100/25
5V REGULATOR
(EVER 115V)
D803 SE115N
ERROR AMP
C825 2200p
(GND)
(15V)
(26V)
C609 100/25
C610 1000/35
D603 RGP10JE
C607 220
FR604
PR6 0.75A
R610 2.2k 5W
R611 0.47 1/2W
R612 2.2 5W (M/F)
T602 HBT-1V141-2
Q602 2SC3467 (D/E)
C611 1000p
C612 220p
R614 4.7k
R613 3.3k 1/4V
Q601 2SD2499
C606 0.01
C605 2200p
C604 22/160
Q602 H PRE-DRIVE
Q601 H DRIVE

SCHEMATIC DIAGRAM (MAIN / NK)




IC302
KIA7809PI
9V REGULATOR
BT403 (BOARD IN)
L IN
R IN
GND
L OUT
R OUT
VCC
V IN
GND
V OUT
KILLER SW
Q305 2SC2785
Q204 2SC2785
Q304 2SK2541
Q303 2SC2785F
Q302 2SK2541
Q307 2SC2785
Q306 2SK2541
Q306, 307 50/60 DETECT
50/60 DETECT
VIDEO BUFFER
TINT SW
50/60 SW
SFR302 10KB
SUB-BRIGHT
SFR301 10KB
H-POSITION
L203 686 45.75MHz VCO2
CF202 TPS4.5MB
X301 CSB500F55
REG 9V
15V
BT301
9V
GND
B-Y
G-Y
R-Y
CN601
V +
V -
N.C
H -
H +
LAMP
V DRIVE
VD OUT
V SIZE
SFR501 22K
V POSITION SW
R322 270
C510 0.039
R513 390 1/2W
R603 3W (M/F)
C603 2.2/160
L603 2.2mH
C616 0.47
26V
GND
R64 56k 1/4W
BT601
HEAT
P-ON
NC
E180
Q308 2SK2541
CRT SPARK SW
FR601 2.2 1/2W
D601 RGP10JE
180V
T601 HFL1530G
HV
FOCUS
SCREEN
ABL
EVER 115V
C609 100/25
C610 1000/35
D603 RGP10JE
PR601 0.75A 60V
FR604 2.7 1W
FR603 2.2 1W
FR602 5.6 2W
HEATER
R610 2.2 5W
T602 HBT-TV141-2
R611 0.47 1/2W
R612 2.2 5W (M/F)
Q601 2SD2499
Q602 2SC3467
PRE-DRIVE
H DRIVE
L601 HLC
FR605 2.2K 1W
D604 RGP10JE
D605 RGP10JE
TO B NK C.B
B NK C.B
V901 A51KSV94X03
S0552 HPS1521
TO A MAIN C.B
R-DRIVER
Q551 2SC2688M/L
Q552 2SC2688M/L
G-DRIVER
Q553 2SC2688M/L
B-DRIVER
R-CUTOFF
G-CUTOFF
B-CUTOFF
SFR551 4.7K
SFR552 4.7K
SFR553 4.7K
SFR554 1K
SFR555 1K
R-DRIVE
B-DRIVE
Q554 2SA1175
RGB LEVEL SHIFTER
PN552
PN553
PN551
E180
N.C
P-ON
GND
HEAT
DY
V+
V-
H-
H+
SIGNAL:
:WAVEFORM NO.
:PB VIDEO
:AUDIO PB
NTSC-M:3.58MHz
PAL-M:4.43MHz
PAL-N:4.43MHz

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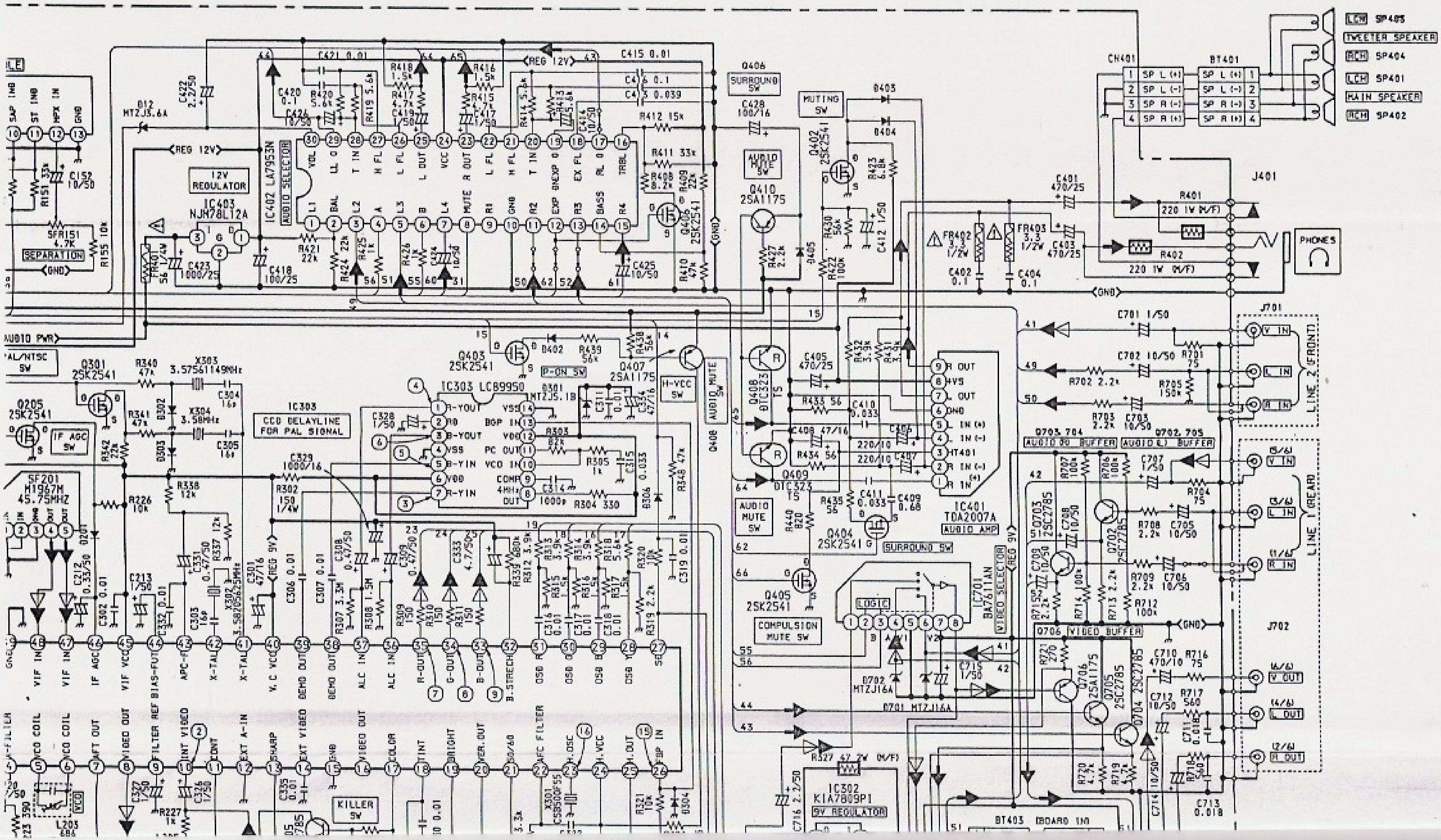
IC402 LA7953N
AUDIO SELECTOR
IC403 NJM78L12A
12V REGULATOR
REG 12V
SEPARATION
SFR151 4.7K
AUDIO PWR
PAL/NTSC SW
Q301 2SK2541
Q205 2SK2541
IF AGC SW
SF201 M1967M 45.75MHZ
X303 3.57561149MHz
X304 3.58MHz
IC303
CCD DELAYLINE FOR PAL SIGNAL
IC303 LC89950
Q403 2SK2541
P-ON SW
Q407 2SA1175
H-VCC SW
AUDIO MUTE SW
Q406 SURROUND SW
C428 100/16
MUTING SW
Q402 2SK2541
Q410 2SA1175
AUDIO MUTE SW
Q408 DTC323 TS
Q409 DTC323 TS
Q404 2SK2541
SURROUND SW
Q405 2SK2541
COMPULSION MUTE SW
IC401 TDA2007A
AUDIO AMP
FR402 3.3 1/2W
FR403 3.3 1/2W
C403 470/25
C401 470/25
R401 220 1W (M/F)
R402 220 1W (M/F)
J401
PHONES
CN401
BT401
SP L (+)
SP L (-)
SP R (-)
SP R (+)
LCH SP405
TWEETER SPEAKER
RCH SP404
LCH SP401
MAIN SPEAKER
RCH SP402
J701
V IN
L IN
R IN
LINE 2 (FRONT)
LINE 1 (REAR)
(5/6) V IN
(3/6) L IN
(1/6) R IN
J702
(6/6) V OUT
(4/6) L OUT
(2/6) R OUT
Q703, 704 AUDIO (R) BUFFER
Q702, 705 AUDIO (L) BUFFER
Q703 2SC2785
Q702 2SC2785
Q706 VIDEO BUFFER
Q706 2SA1175
Q705 2SC2785
Q704 2SC2785
IC701 BA7611AN
VIDEO SELECTOR
LOGIC
D702 MTZJ16A
D701 MTZJ16A
IC302 KIA7809PI
9V REGULATOR
R327 47 2W (M/F)
BT403 (BOARD IN)
KILLER SW
VIF IN
IF AGC
VIF VCC
FILTER REF BIAS-FUT
APC-F
X-TAL
V.C VCC
DEMO OUT
ALC IN
R-OUT
G-OUT
B-OUT
B.STRECH
OSD R
OSD G
OSD B
OSD Y
SCP
VCO COIL
AFT OUT
VIDEO OUT
INT VIDEO
CONT
EXT A-IN
SHARP
EXT VIDEO
GND
COLOR
TINT
BRIGHT
VER.OUT
50/60
AFC FILTER
H.OSC
H.VCC
H.OUT
SCP IN
X301 CSB500F55
D12 MTZJ5.6A
R421 22k
C423 1000/25
C418 100/25
C422 2.2/50
C421 0.01
C415 0.01
R412 15k
R411 33k
R410 47k
R340 47k
R341 47k
R338 12k
C329 1000/16
R302 150 1/4W
R303 82k
R305 1k
R304 330
C314 1000p
R348 47k
D501 MTZJ5.1B
R226 10k
R155 10k
C152 10/50
R701 75
R702 2.2k
R705 150k
R703 2.2k
C703 10/50
C701 1/50
C702 10/50
R704 75
R708 2.2k
C705 10/50
R709 2.2k
C706 10/50
R712 100k
C710 470/10
R716 75
R717 560
R718 560
C712 10/50
C711 0.018
C713 0.018
C715 1/50
C716 2.2/50
L203 68G
R227 1k