

SERVICE

MANUAL

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**CAUTION: THIS SERVICE MANUAL IS ONLY FOR PROFESSIONAL SERVICE PERSONNEL'S
REFERENCE. BEFORE SERVICING THIS CHASSIS, PLEASE READ THE
FOLLOWING NOTICE ITEMS.**

1. INSTRUCTION

Before servicing and aligning this equipment, please read the following "**X-RAY RADIATION PRECAUTION**", "**SAFETY PRECAUTION**" and "**PRODUCT SAFETY NOTICE**".

1.1 X-RAY RADIATION PRECAUTION

- 1) Excessive high voltage can produce potentially hazardous X-RAY RADIATION. To avoid such hazards, the high voltage must not be above the specified limit. The normal value of the high voltage of this receiver see below chart:

Chart 1 High voltage requirement

Model	High voltage normal value	Utmost value	Beam current
T306	30 kV ±1 kV	35 kV	1.6 mA
T346	30 kV ±1 kV	35 kV	1.6 mA

- 2) Each time a receiver requires servicing, the high voltage should be checked following the HIGH VOLTAGE CHECK procedure in this manual. It is recommended the reading of the high voltage be recorded as a part of service record. It is important to use an accurate and reliable high voltage meter.

* When checking, main power (B+) should be kept at 135 V (for Toshiba pure flat CRT).

- 3) The primary source of X-RAY RADIATION in this TV receiver is the picture tube. For continuous X-RAY RADIATION protection, the replacement tube must be exactly the same type tube as specified in the parts list.
- 4) Some parts in this receiver have special safety-related characteristics for X-RAY RADIATION protection. For continuous safety, parts replacement should be undertaken only after referring to the PRODUCT SAFETY NOTICE below.

1.2 SAFETY PRECAUTION

WARNING:

Service should not be attempted by anyone unfamiliar with the necessary precaution on this receiver. The following are the necessary precautions to be observed before servicing this chassis.

- 1) Since the power supply circuit of this receiver is directly connected to the AC power line, an isolation transformer should be used during any dynamic service to avoid possible shock hazard.
- 2) Always discharge the picture tube anode to the CRT conductive coating before handling the picture tube. The picture tube is highly evacuated and if broken, glass fragments will be violently expelled. Use shatter proof goggles and keep picture tube away from the unprotected body while handling.

- 3) When replacing a chassis in the cabinet, always be certain that all the protective devices are put back in place, such as: non-metallic control knobs, insulating covers, shields, isolation resistor-capacitor network etc.
- 4) When replacing parts or circuit boards, disconnect the power cord.
- 5) When replacing a high wattage resistor (oxide metal film resistor) on the circuit board, keep the resistor 10mm (1/2in) away from circuit board.
- 6) Connection wires must be kept away from components with high voltage or high temperature.
- 7) If any fuse in this TV receiver is blown, replace it with the FUSE specified in the chassis parts list.

1.3 PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the chassis have special safety-related characteristics. These characteristics are often passed unnoticed by a visual inspection and the X-RAY RADIATION protection afforded by them cannot necessarily be obtained by using replacement components rated for higher wattage, etc. Replacement parts which have these special safety characteristics are identified in this manual and its supplement electrical components having such features are shaded on the schematic diagram and the parts list.

Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same characteristics as specified in the parts list may create shock, fire, X-RAY RADIATION or other hazards.

1.4 Testing equipment

HDTV signal generator: VG853/K7253 or other same type, 1 set.
 Signal generator: PM5515 or the same type, 1 set.
 Voltmeter: FULK805A or the same type, 1 set.
 White balance alignment equipment: 1 set
 Standard testing jigs: 1 set.
 Geometry alignment equipment: 1 set.
 Alignment stick: 1 set.
 Degausser: 1 set.

2 Alignment procedure

2.1 Instruction

- a) In this chassis since there are a great amount of data needed to be set, these setting all are stored in E²PROM. To reduce the alignment working, use the aligned E²PROM as a female parent to copy and then use them. Or refer to appendix chart and preset E²PROM value and then use.
- b) To conduct the alignment, the power supply should be AC120 V, 60 Hz. The whole unit should be preheated for 30 minutes.
- c) To conduct with color purity, convergence, white balance alignment or other alignment relative to color, the CRT should be degaussed thoroughly.
- d) Since this chassis adopts modulization structure, before mounting, every module should be conducted with alignment.
- e) The factory menu's alignment should use XOCECO RC-T03-0A remote control. Press power switch to turn on the set, in turn press button "SLP-MUTE-AV-MENU" to enter into factory menu.

Press SLP or 0 button to exit. Press MUTE button to preset before Out-factory.

f) For the supporting mode in this set see below chart 2.

Chart 2 The supporting mode in this set

Working mode	Mode instruction	H-frequency Hz	V-frequency Hz	Alignment instruction
TV	TV mode	33.75k	60	Adjust firstly, every item should adjust
1920*1080i/33.75K	American HDTV mode	33.75k	60	Horizontal and vertical parameter, white balance
720P*576/45.125K	American HDTV mode	33.75k	60	Horizontal and vertical parameter, white balance
640*480i (YCrCb)	YcbCr (15.7K,59.97HZ)	33.75k	60	Horizontal and vertical parameter, white balance
640*480p (YPrPb)	Progressive DVD (31.5K,60HZ)	33.75k	60	Horizontal and vertical parameter, white balance
800*600(SVGA)	DVI mode	33.75K	60	Horizontal and vertical parameter, white balance
1024*768(XGA)	DVI mode	33.75K	60	Horizontal and vertical parameter, white balance

2.2 Alignment procedure

2.2.1 Module alignment

In all the module alignment, use a normal working TV set as an alignment frock, pull the set's corresponding module and keep it as an example. Insert the module wanted to be check, then apply power to alignment.

a) AV board module

AV interface function check: check all the AV input/outputs function, it should meet the Product Standard requirements.

b) Digital processing board module

No alignment point, apply the power and check whether S-VIDEO, YCbCr, YpbPr input is normal.

c) Main board

No alignment point. Apply the power and measure "B+" voltage, the reading should be 105V, check there are no assemble error, the OSD, SVM is normal, and it is OK.

2.2.2 Chassis adjustment

Correctly insert all modules and parts, connect CRT board parts to CRT, apply power and check B+ voltage, the reading should be 105V. (on J332/J305)

2.2.3 The whole unit adjustment

Be sure the whole unit has been preheated for 30 minutes.

a) Focus adjustment

- 1) In TV mode receive crosshatch signal, at the same time set SVM to OFF.
- 2) Adjust FOCUS inductance L306 on Dynamic Power Board to make R323 dynamic focus voltage be 1KV+/-50V.
- 3) Adjust FOCUS potentiometer on FBT and CRT to make horizontal and vertical grid both thinnest, and consider horizontal grid mainly.
- 4) Set SVM to ON, check the whole effect.

b) Dark current (SCREEN voltage) adjustment

In TV mode receive gray scale signal, after entering into factory menu status, press “1” button to enter into “FACTORY MENU 1” factory menu, first preset WHITE-R, WHITE-G, WHITE-B’s value all to 0, adjust SCREEN potentiometer to make SCREEN LOCK on the screen lower part display OK and it is OK, at this time, if changing channel, it should not appear flyback line. This state should also be OK after finish adjusting the white balance.

c) White balance adjustment

Adjust on the basis of the above step, at standard status use gray scale signal to adjust.

- 1) Press “1”button to firstly adjust TV input white balance: fix the testing point at about 40 nits gray scale, then by adjusting WHITE-R,WHITE-G and WHITE-B to make the value meet chart 3’s requirement.
- 2) Press “5” button to adjust YpbPr input white balance: use oscilloscope to measure Y signal output on Digital Processing Board. Adjust G-0 gray scale to make blanking level be even with black level, adjust G-G to make signal amplitude to be 0.7V and eight level gray scale be even, then adjust R-G, B-G, R-0, B-0’s value to make white balance meet chart 3’s requirement.

Chart 3: chroma coordinates requirements

Colour temperature	12000K
X coordinate	0.270 ± 0.008 MPDC
Y coordinate	0.283 ± 0.008 MPDC

d) Picture size position and high voltage adjustment

In component mode input 1080I signal

- (1) Use crosshatch and electrical circle signal, after entering into factory menu status, press “2” button to enter into “FACTORY MENU 2” factory menu to adjust picture’s linearity. Adjust R339 joint point to make the V-center deflection range be within $\pm 5\text{MM}$ (T346), or $\pm 3\text{MM}$ (T306).
- (2) Change the signal to white background, or greatly change contrast and brightness, or press PIC button to switch among several kinds of analogue amount to make corresponding beam current changes, adjust V-EHT-COM, H-EHT-COM to make raster’s size basicly not change when at different beam current status.
- 3) According to chart 2 in turn apply every testing signal (firstly apply YpbPr signal, then TV or AV signal), then press “5” button to enter into “FACTORY MENU 5”, adjust H-S, V-S, H-SIZE, V-SIZE to make picture normal.

e) Sub-brightness adjustment

Receive split field signal, set colour/contrast/brightness to 0, check whether screen second gray is slightly bright, otherwise press “6” button, in factory menu select CONTRAST MAX and BRIGHT MAX to adjust.

f) Filament/beam current/high voltage check and adjustment

- 1) Filament voltage: receive a TV program signal, set picture mode to “STANDARD”,the filament voltage effective value should be 6.3 ± 0.2 Vrms.
- 2) Beam current check: receive all white field signal, set picture mode to “SPORTS”, measure R360 two terminals’ voltage and the reading should be less than or be equal to 1.6V. If not, after entering into factory menu status, press “4” button to enter into “RGB MENU” factory menu, adjust AV BEAM LIMIT item to make beam current meet requirements.

- 3) High voltage check: receive D8 signal, set picture mode to “STANDARD”, measure CRT high voltage and the reading should be A value in chart 3. When brightness, contrast is set to minimum (zero beam current), measure the high voltage, the reading should not exceed B value in chart 4.

Chart 4 High voltage check requirements

Parameters	CRT Size		
	81 cm(T306)	92 cm(T346)	
A	30 kV±0.5 kV	30 kV±0.5 kV	
B	34+ kV	34 kV	

- 4) High voltage protection: receive a picture signal, adjust until picture and sound are normal, short R340 and the circuit should immediately enter into power-off protection state and the state should keep. Turn off the power switch and then turn on, the picture and sound should restore to before-testing state.

g) Peak value adjustment

On the condition of SCREEN and beam current has been adjusted properly, in order to show picture's contrast well and control picture's colour tail, apply a little beam current picture (for example, black and white crosshatch) and set picture's contrast and brightness to maximum, then after entering into factory menu status, press “4” button to enter into “RGB MENU” factory menu, by adjusting PEAK DRIVE LIMIT item to make the whole unit's picture colour just without colour tail on the condition of maximum contrast and it is OK.

h) Every control buttons' check

Check according to Instruction manual.

i) Check all the input/output terminals' function, please check according to “PRODUCTION STANDARD”

i) Out-factory setting

Set picture to “Standard”.

Set sound to “Music”.

Set Blue back to ON.

Set OSD language to English.

Set DNR to SOFT.

Set SVM to ON.

Set Volume to 30.

Set Loudness to OFF.

Set AVC to ON.

Set CCD to OFF.

Set child lock password, V-chip password to 0000.

Set V-chip all rating to no rating .

Set the channel to Cable 3. . .

3 For factory menu adjustment see Chart 5~Chart 11.

Chart 5 Factory menu (1)WRITE

Item name	Item instruction	Range	Default value	Adjusting method
WRITE R	Bright balance R	BF-3F		Refer to white balance adjustment part 1
WRITE G	Bright balance G	BF-3F		Refer to white balance adjustment part 1
WRITE B	Bright balance B	BF-3F		Refer to white balance adjustment part 1
SCREEN LOCK	Dark current adjustment	OK/OFF	OK	Adjust SCREEN potentiometer until OK
2003-XX-XX	Version date		fix	

Chart 6 factory menu (2)

Item	Item instruction	Range	Default value	Adjustment method
V SIZE	V-size	80-7F	39	To make vertical reproduction rate reach 90%-92%
V SHIFT	V-center	80-7F	17	To make picture center and CRT center be in accordance
V LINEAR	V-linearity	80-7F	41	To make V-linearity distortion minimum.
V S CORR	Vertical S-correction	80-7F	F7	To make vertical S-correction distortion minimum.
H SIZE	H-size	80-7F	08	To make horizontal reproduction rate reach 90%-92%
H SHIFT	H-center	80-7F	43	To make picture horizontal center be in accordance with CRT center.
V ANGLE	Parallelogram correction	80-7F	05	To correct parallelogram distortion
V BOW	Arch correction	80-7F	0E	To correct arch distortion
PIN AMP	Pincushion correction	80-7F	60	To make pincushion distortion minimum
PIN PHASE	Trapezoid correction	80-7F	AE	To make trapezoid distortion minimum
UP CORNER	Upper edge corner correction	80-7F	11	To correct upper two corners distortion
LOWER CORNER	Lower edge corner correction	80-7F	C5	To correct lower tow corners distortion
EXT CORNER	Edge and corner correction	80-7F	C5	Corner edge correction
V SYNC CONT		80-7F	20	

Chart 7: factory menu (3)

Item	Item instruction	Range	Default value	Adjustment method
V SCROLL	Vertical scroll	0-FF	00	Not adjust, set default value
V ASPECT	V-size	0-FF	00	Not adjust, set default value
V EHT	Vertical high voltage correction	80-7F	BD	To make vertical raster size not change when beam current changes greatly.

H EHT	Horizontal high voltage correction	80-7F	9D	To make horizontal raster size not change when beam current changes greatly.
AFC EHT COM	High voltage auto frequency control	20-1F	08	Not adjust, set default value
H BLANK TIME	Horizontal blanking width	80-7F	E4	Not adjust, set default value
H BLANK PHASE	Horizontal blanking phase	80-7F	F9	Not adjust, set default value
V BLANK START	V-sync phase	80-7F	FB	Not adjust, set default value
V BLANK END	V-sync phase	80-7F	11	Not adjust, set default value
MIN NO.OF LINE	H-blanking phase	80-1F	00	Not adjust, set default value
MAX NO.OF LINE	H-blanking end position	80-7F	FF	Not adjust, set default value
PWM CONTROL	H-blanking width	80-7F	02	Not adjust, set default value
PLL CONTROL 0	H-blanking width	80-7F	0B	Not adjust, set default value
PLL CONTROL 1	H-blanking width	80-7F	62	Not adjust, set default value

Chart 8 Factory menu (4)RGB MENU

Item	Item instruction	Range	Default value	Adjustment method
INT H-SYNC PHASE	H-sync phase	80-7F	12	Not adjust, set default value
AV BEAM LIMIT	Beam current limit	80-7F	1A	Refer to beam current adjustment part
AV BEAM LIMIT CHA	Beam current limit	80-7F	81	Refer to beam current adjustment part
PEA DRIVE LIMIT	Peak value limit	80-7F	00	Refer to peak value adjustment part
PEAK DRIVE TOP	Top peak value limit	80-7F	10	Not adjust, set default value
PEA DRIVE BOTTOM	Bottom peak value limit	80-7F	47	Not adjust, set default value
PEA DRIVE L-R	Left/right edge peak value limit	80-7F	88	Not adjust, set default value
DEFLECT 0		80-7F	03	Can not adjust, set default value
DEFLECT 1		80-7F	05	Not adjust, set default value
RGB CONTROL 0		80-7F	84	Not adjust, set default value
RGB CONTROL 1		80-7F	18	Not adjust, set default value
RGB CONTROL 2		80-7F	20	Not adjust, set default value
RGB CONTROL 3		80-7F	03	Not adjust, set default value
V INPUT MODE		80-7F	85	Not adjust, set default value

Chart 8 factory menu FACTORY 5(HDTV mode)

Item	Item instruction	Range	Default value	Adjustment method
R-G	Red gun gain	00-FF	80	Refer to white balance adjustment part2
G-G	Green gun gain	00-FF	80	Refer to white balance adjustment part2
B-G	Blue gun gain	00-FF	80	Refer to white balance adjustment part2
R-O	Red gun bias value	00-FF	80	Refer to white balance adjustment part2
G-O	Green gun bias value	00-FF	80	Refer to white balance adjustment part2
B-O	Blue gun bias value	00-FF	80	Refer to white balance adjustment part2
H-S	H-phase	00-FF		Geometrical adjustment
V-S	V-phase	00-FF		Geometrical adjustment
H-SIZE	H-size	00-FF		Geometrical adjustment
V-SIZE	V-size	00-FF		Geometrical adjustment

Chart 9: factory menu 6

Item	Item instruction	Range	Default value	Adjustment method
CONTRAST MAX	Contrast maximum	00-7F	7F	Not adjust, set to default value
CONTRAST CEN	Contrast center value	00-7F	3F	Not adjust, set to default value
CONTRAST MIN	Contrast minimum value	00-7F	00	Not adjust, set to default value
BRIGHT MAX	Brightness maximum value	00-7F	7F	Not adjust, set to default value
BRIGHT CEN	Brightness center value	00-7F	3F	Not adjust, set to default value
BRIGHT MIN	Brightness minimum value	00-7F	00	Not adjust, set to default value
COLOR MAX	Colour maximum value	00-7F	3F	Not adjust, set to default value
COLOR CEN	Colour center value	00-7F	20	Not adjust, set to default value
COLOR MIN	Colour minimum value	00-7F	00	Not adjust, set to default value
SHARP MAX	Sharpness maximum value	00-7F	7F	Not adjust, set to default value
TINT CEN	Tint center value	00-7F	00	Not adjust, set to default value

Chart 10 Factory menu 7

Item	Item instruction	Range	Default value	Adjustment value
VOLUME-1	Sound curve	00-7F	0F	Not adjust, set to default value
VOLUME-25	Sound curve	00-7F	1F	Not adjust, set to default value
VOLUME-50	Sound curve	00-7F	3F	Not adjust, set to default value
VOLUME-100	Sound curve	00-7F	7F	Not adjust, set to default value

BASS MAX	Bass maximum value	00-7F	7F	Not adjust, set to default value
BASS MIN	Bass minimum value	00-7F	00	Not adjust, set to default value
TREBLE MAX	Treble maximum value	00-7F	7F	Not adjust, set to default value
TREBLE MIN	Treble minimum value	00-7F	00	Not adjust, set to default value
SURROUND MAX	Surround sound maximum value	00-7F	7F	Not adjust, set to default value
SURROUND MIN	Surround sound minimum value	00-7F	00	Not adjust, set to default value
BLANCE CEN	Balance center value	00-7F	20	Not adjust, set to default value
LOUDNESS ON	Setting value when loudness is on	00-7F	7F	Not adjust, set to default value
LOUDNESS OFF	Setting value when loudness is off	00-7F	00	Not adjust, set to default value

Chart 11 Factory menu 8

Item	Item instruction	Range	Default value	Adjustment method
OSD-HP MENU	MENU phase	00-7F	00	Not adjust, set to default value (after adjustment, open the menu again and it is effective)
OSD-HP AV SEL	AV menu phase	00-7F	00	Not adjust, set to default value(after adjustment, open the AV selection menu again and it is effective)
OSD-HP NORMAL	Other menu phase	00-7F	00	Not adjust, set to default value (after adjustment, open the OSD again and it is effective)
SVM DELAY	SVM delay phase	00-7F	03	Not adjust, set to default value (after adjustment, turn on the set again and it is effective)
ZOOM DATA	16: 9 picture zoom	80-7F	20	Not adjust, set to default value(after adjustment, turn on the set again and it is effective)
OPTION DATA1	OPTION	00-FF	01	Not adjust, set to default value
H-MUTE DELAY	Horizontal failure of oscillations time delay amount	00-FF	5A	Not adjust, set to default value. If less than 10, the screen will light and burn the tube.

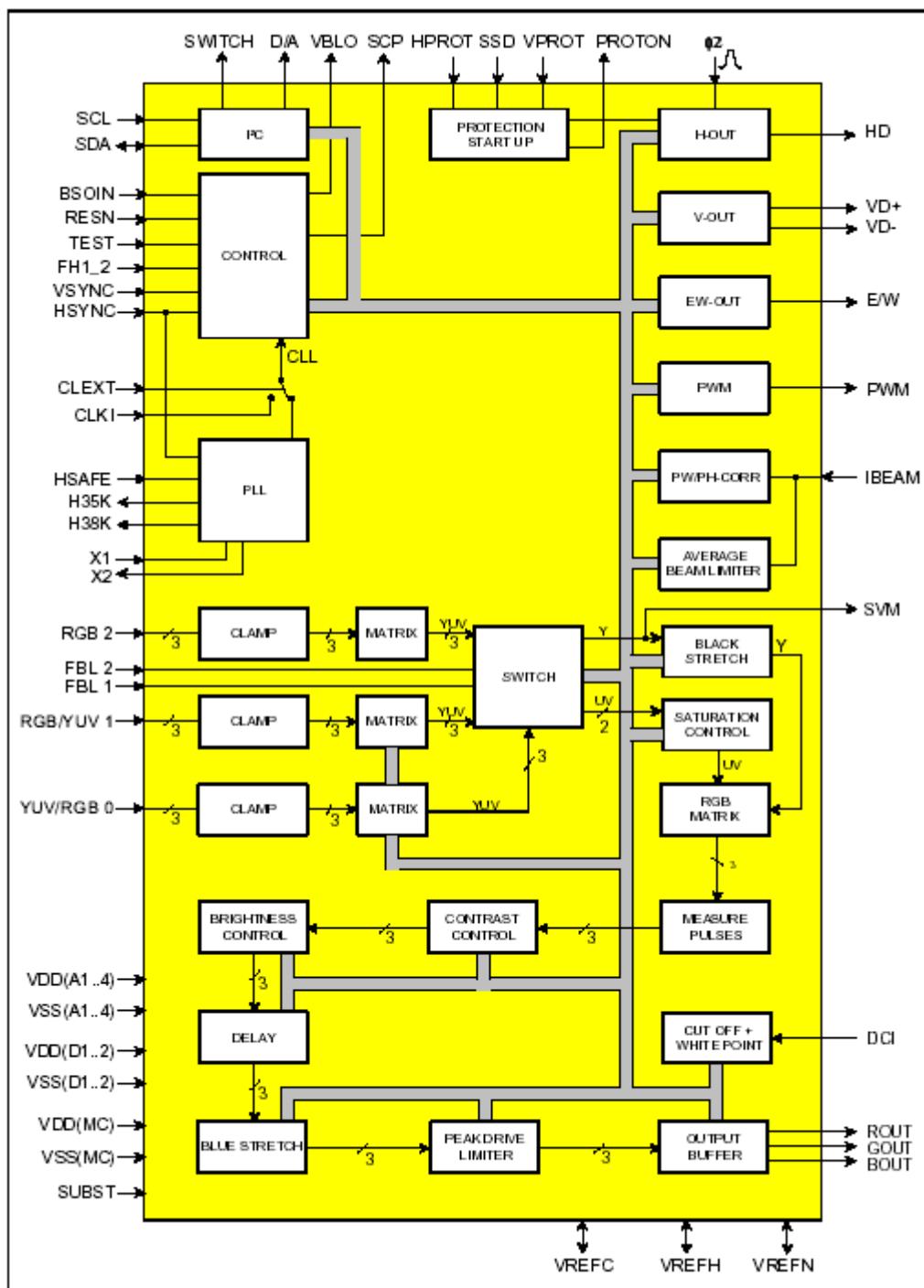
Chart 12 Factory menu 9 DESIGN MENU

Item	Item instruction	Range	Default value	Adjustment method
IC XXX	Relative IC chip			
ADD H	Address high 8 byte	00-FF		Press VOL+/- button to change
ADD L	Address high 8 byte	00-FF		Press VOL+/- button to change
DATA H	Data high 8 byte	00-FF		Press VOL+/- button to change
DATA L	Data lower 8 byte	00-FF		Press VOL+/- button to change
READ	Reading current data	YES/NO		
REFRESH	Reflesh changed data	YES/NO		
SAVE	Save changed data	YES/NO		

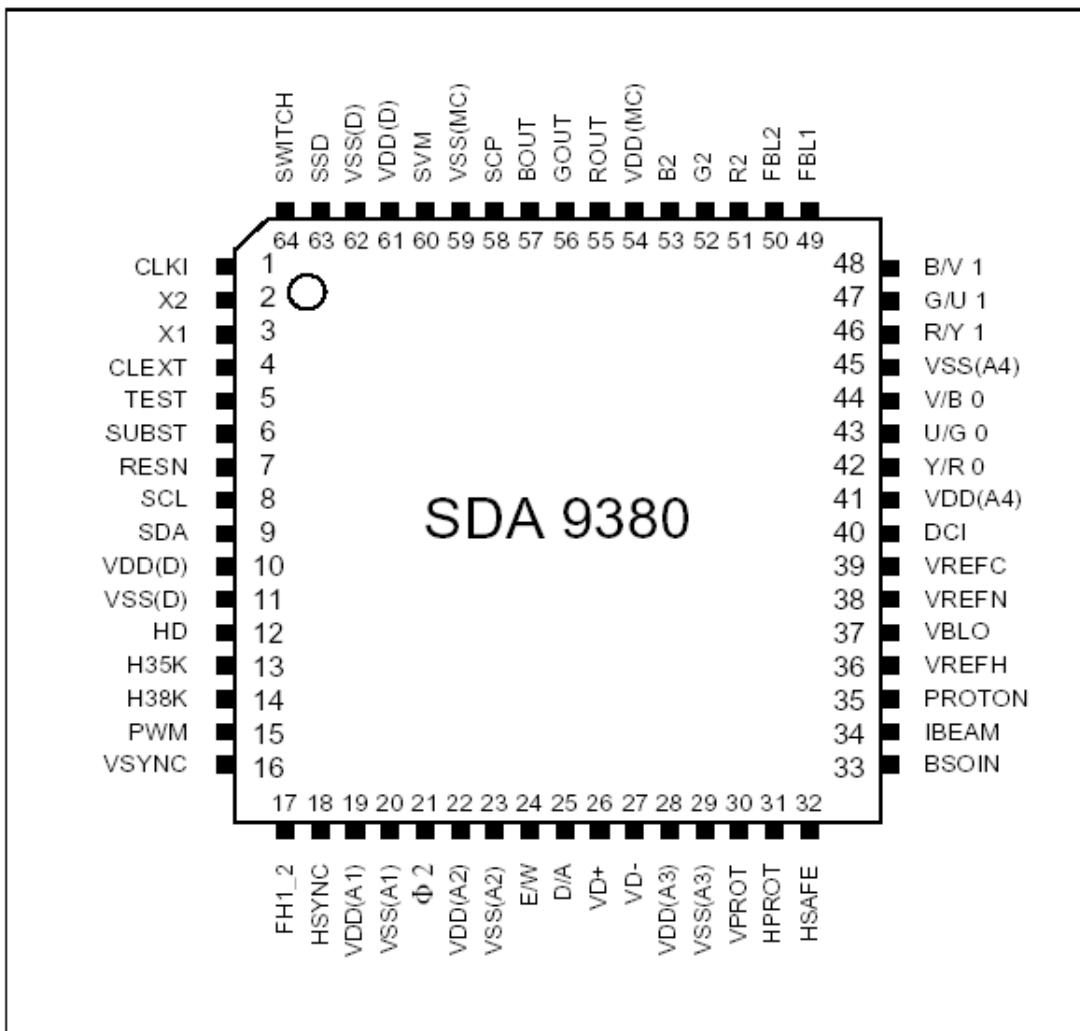
4.General description of the SDA 9380-B21.

The SDA 9380 is a highly integrated deflection controller and RGB video processor for CTV receivers with 15 to 19kHz or 31 to 38kHz line frequencies. The deflection component controls among others a horizontal driver circuit for a flyback line output stage, a DC coupled vertical saw-tooth output stage and an East-West raster correction circuit. All adjustable output parameters are I²C-Bus controlled. Inputs are HSYNC and VSYNC. The HSYNC signal is the reference for the internal clock system which includes the Φ 1 and Φ 2 control loops.

Block diagram of the SDA 9380-B21:

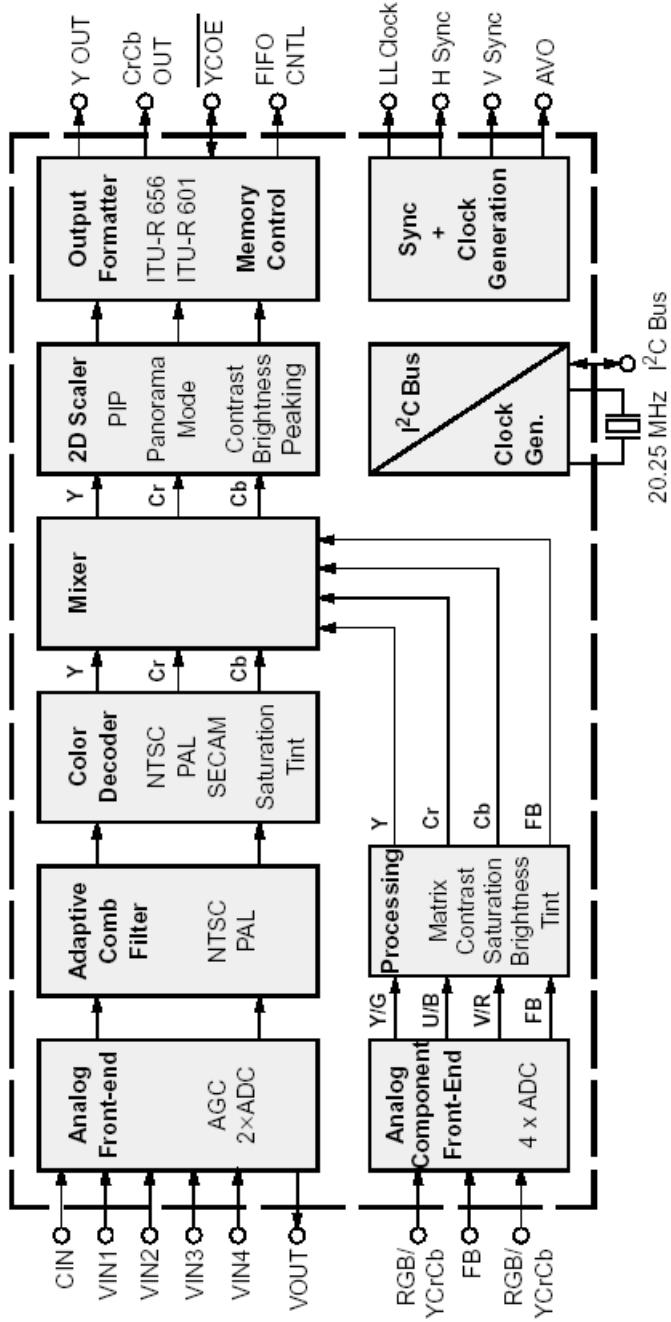


PIN CONFIGURATION:



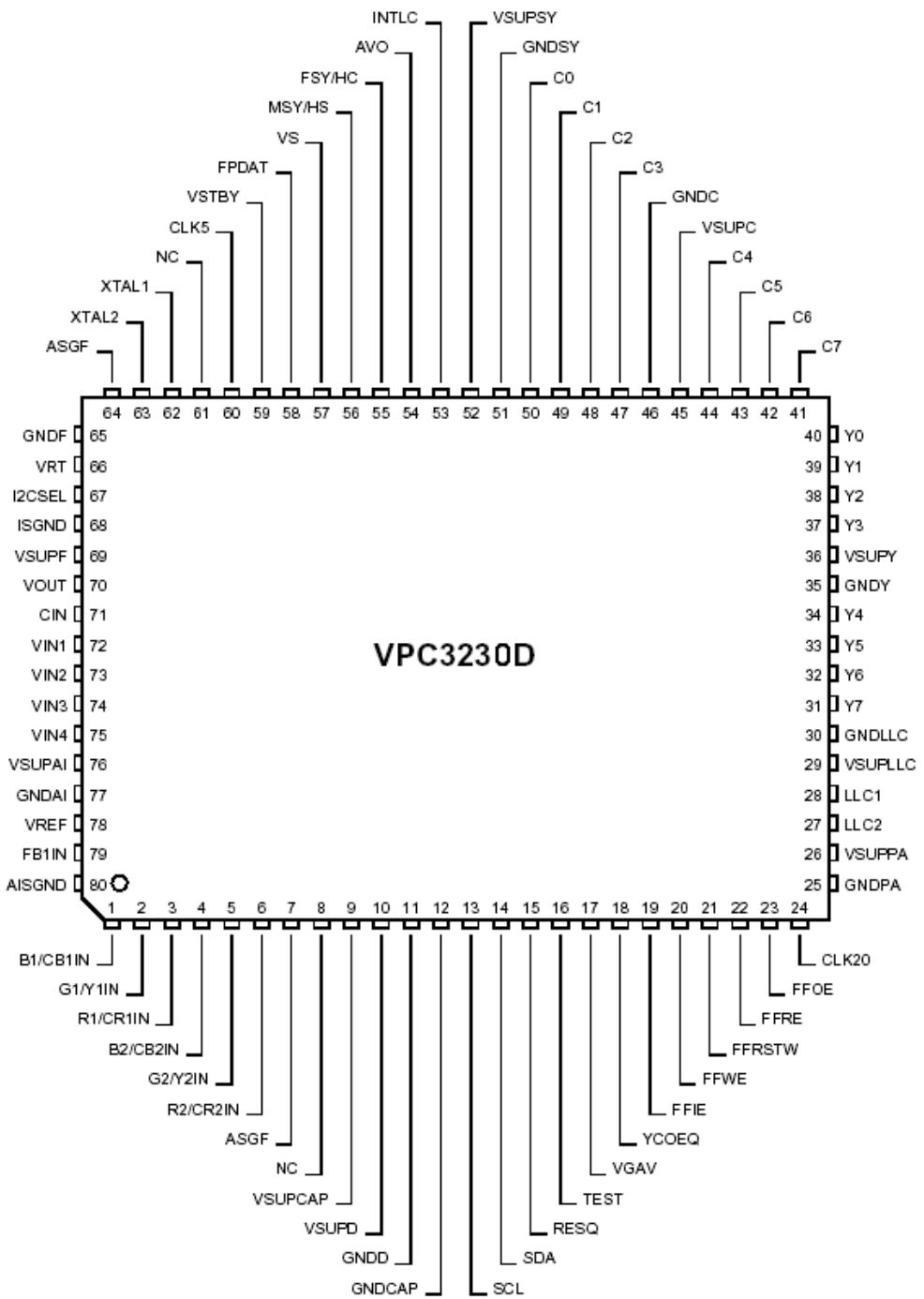
5. Introduction of the VPC 3230D.

The VPC 3230D is a high-quality, single-chip video front-end, which is targeted for 4:3 and 16:9, 50/ 60 and 100/120 Hz TV sets. It can be combined with other members of the DIGIT3000 IC family (such as DDP 33x0A/B, TPU 3040) and/or it can be used with 3rd-party products.



Block diagram of the VPC 3230D:

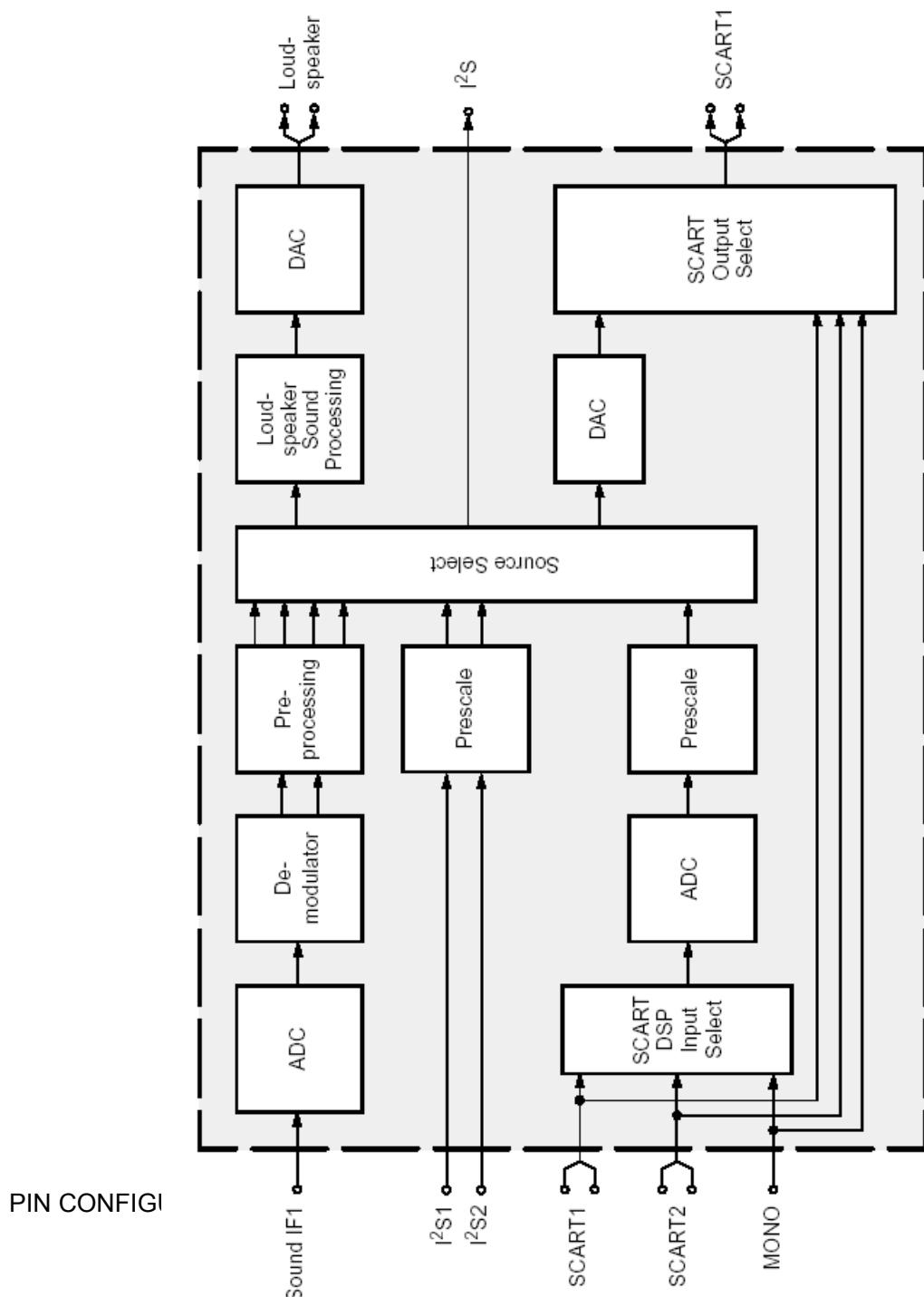
PIN CONFIGURATION:

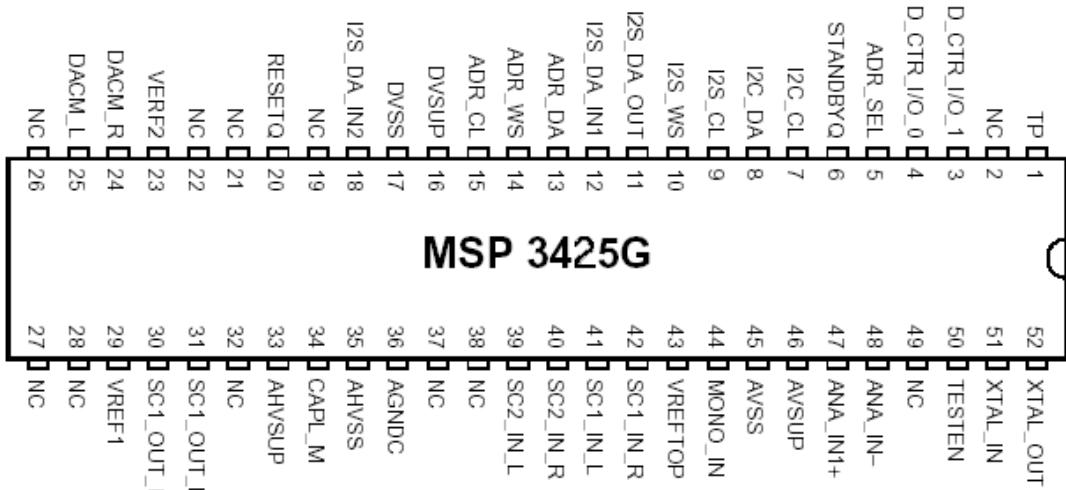


6. Introduction of the MSP 3425G.

The MSP 3425G family of single-chip Multistandard Sound Processors covers the sound processing of all analog TV standards worldwide, as well as the NICAM digital sound standards. The full TV sound processing, starting with analog sound IF signal-in, down to processed analog AF-out, is performed in a single chip.

Simplified functional block diagram of the MSP 3425G:





MSP 3425G

7.General description of the PW1235.

The PW1235 Video Signal Processor is a high quality, digital video signal processor that incorporates Pixelworks' patented, state-of-the-art video deinterlacer and scaler. Using sophisticated algorithms, the PW1235 is able to effectively deinterlace video input by creating motion vectors that follow frame-to-frame movement, and provide clear, progressive output in both analog and digital formats.

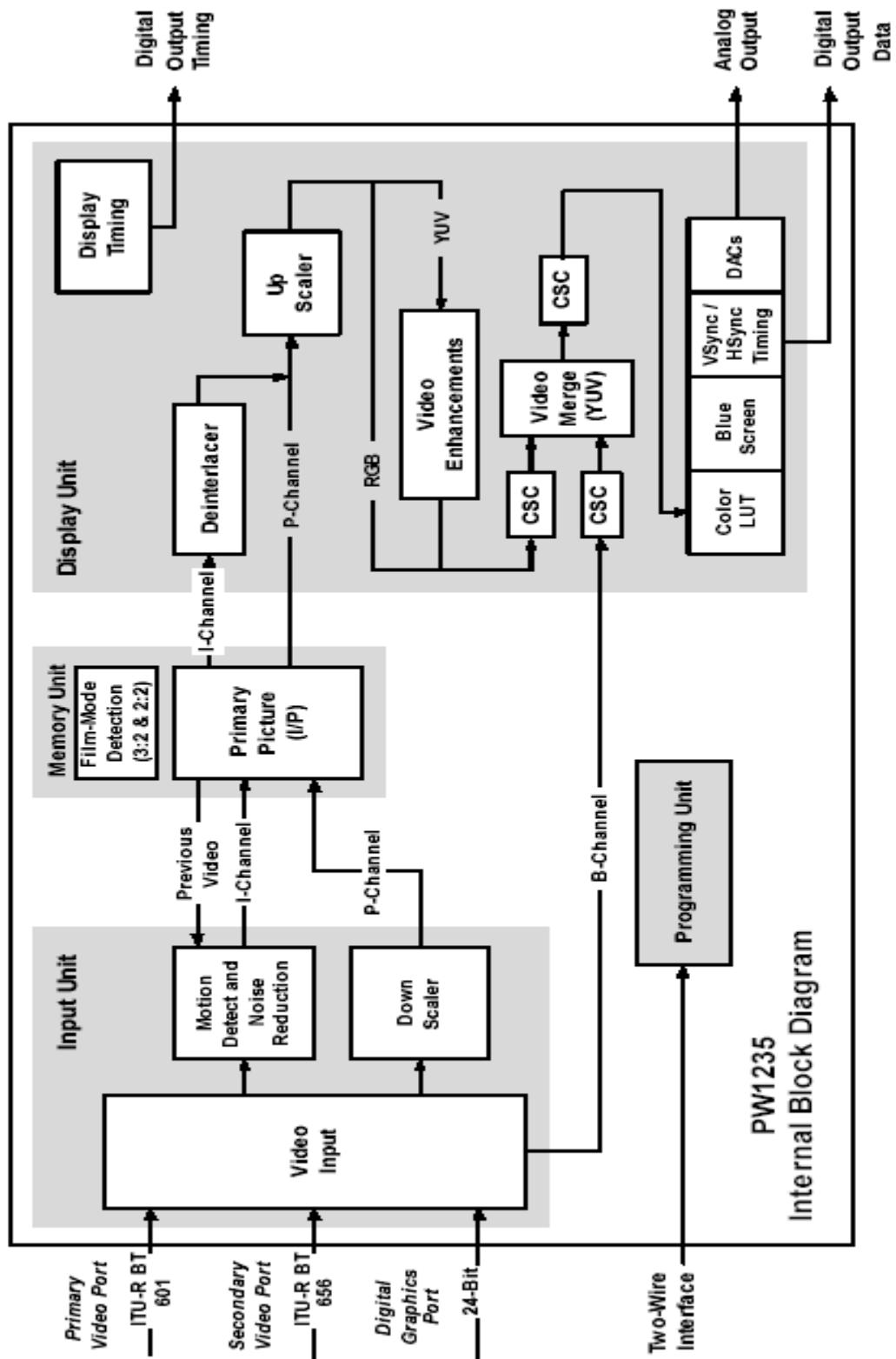
With support for NTSC and PAL video formats, the PW1235 can be designed into any TV, monitor, or projector application. Support for 3:2 and 2:2 film mode detection enables the PW1235 to provide the best quality display for existing film and video standards. The PW1235 can dynamically enter or exit film mode (with flexible programming) to display mixed content with the best possible quality.

As a single device, the PW1235 integrates many functions onto one chip. It has embedded a scaler, an advanced deinterlacer, memory controller, color space converter, and Digital-to-Analog Converter (DAC) onto one chip. There are two video input ports—a primary video port and a secondary input port—that are used to accept YUV video in the ITU-R601 and ITU-R656 formats respectively. Video content is analyzed on a single-pixel granularity to detect presence or absence of noise and compute the amount of motion. Motion video is processed using a highly intelligent algorithm that simultaneously eliminates noise and interpolates pixels along any angle to produce a noise-free picture without jagged-edge artifacts.

As part of a Pixelworks solution, combining the PW1235 with a Pixelworks ImageProcessor (such as the PW113, PW166 or PW181) offers the world's best combination of deinterlacing and

scaling of video or graphics. This combination of high quality deinterlacing and scaling is essential for higher resolution outputs such as XGA, SXGA, and UXGA that need to display NTSC and PAL video.

Internal block diagram of the PW1235:



PIN CONFIGURATION:

PVSS	158	MCUCMD	192	DG5
NC	194	MCUWR	191	DG4
NC	196	MCUICS	190	PVSS
DPAVSS	196		189	
DPAVDD	197	MCURDY	188	
DPOVSS	198	VSS	187	
DPOVDD	199	MCUD7	186	
PVDD	200	MCUD6	185	
MVE	201	MCUD5	184	
PVSS	202	MCUD4	183	
MA4	203	MCUD3	182	
MA3	204	MCUD2	181	
VDD	205	PVDD	180	
MA5	206	MCUD1	179	
MA2	207	MCUD0	178	
PVDD	208	MCUAT	177	
MA6	209	MCUAT	176	
MA1	210	MCUAB	175	
MA7	211	MCUAB	174	
PVSS	212	MCUAB	173	
MA0	213	MCUAB	172	
MA8	214	MCUAB	171	PVSS
MA10	215	MCUAB	170	
PVDD	216	MCUAB	169	
MA9	217	MCUAB	168	
MA13	218	MCUAB	167	AICQSS
VSS	219	AICQAB	166	AICQAD
MA11	220	PVDD	165	
MA12	221	ADAVSS	164	
PVSS	222	ADAVDD	163	
MCLKFB	223	VREF OUT	162	
PVDD	224	VREF IN	161	
MRAS	225	COMP	160	
MCAS	226	RSET	159	
MWE	227	AVS3R	158	
PVSS	228	AVD3R	157	
MCLK	229	ADR	156	
PVDD	230	AVS3IG	155	
MD8	231	AVD3IG	154	
MD7	232	ADG	153	
PVSS	233	AVS3B	152	
MD9	234	AVD3B	151	
VDD	235	ADB	150	
MD8	236	ADDVDD	149	
PVDD	237	ADDBSS	148	
MD10	238	PVSS	147	
MD5	239	CGMIS	146	
PVSS	240	DEN	145	
MD11	241	TESTCLK	144	
MD4	242	PVDD	143	
PVDD	243	DR7	142	
MD12	244	DR6	141	
MD3	245	DR5	140	
PVSS	246	DR4	139	
MD13	247	DR3	138	
MD2	248	DR2	136	
PVDD	249	DR1	133	
MD14	250	DR0	132	
VSS	251	DRC	131	
MD1	252	PVDD	130	
PVSS	253	DG7	129	
MD15	254	DG6	128	
MD9	255	DG5	127	
PVDD	256	DG4	126	

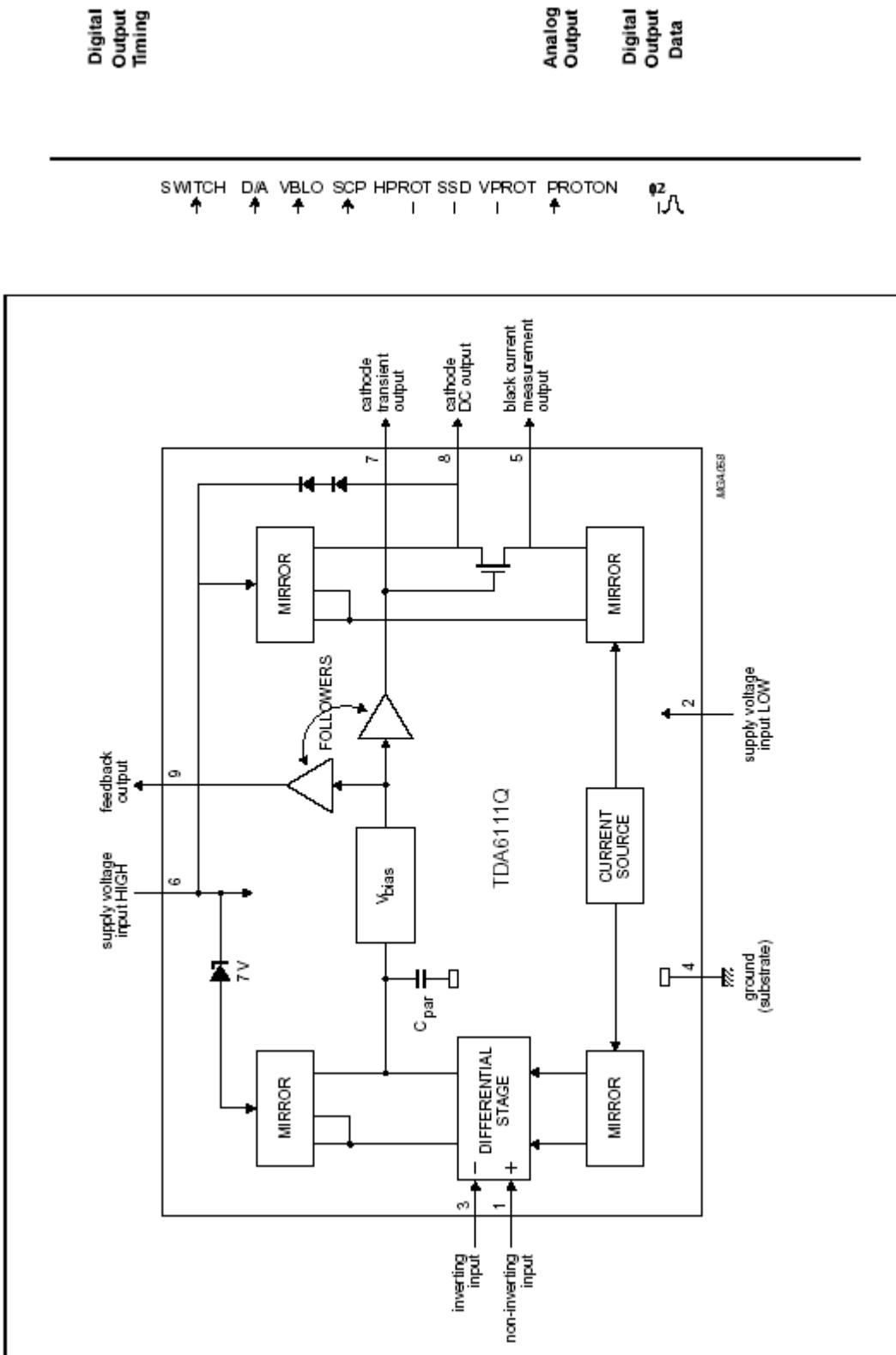
PW1235

8.General description of the TDA6111Q.

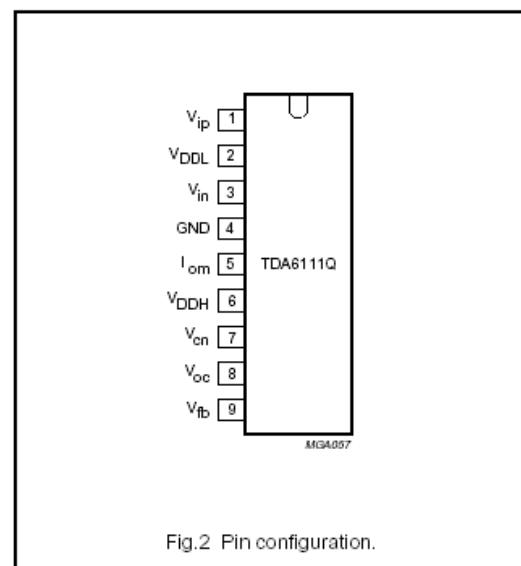
The TDA6111Q is a video output amplifier with 16 MHz bandwidth. The device is contained in a single in-line 9-pin medium power (DBS9MPF) package, using high-voltage DMOS technology, intended to drive the cathode of a colour CRT.

Block diagram of the TDA6111Q:

PIN CONFIGURATION:



SYMBOL	PIN	DESCRIPTION
V_{ip}	1	non-inverting voltage input
V_{DDL}	2	supply voltage LOW
V_{in}	3	inverting voltage input
GND	4	ground, substrate
I_{om}	5	black current measurement output
V_{DDH}	6	supply voltage HIGH
V_{on}	7	cathode transient voltage output
V_{oc}	8	cathode DC voltage output
V_{fb}	9	feedback voltage output



9.General description of the SiL907B.

The SiL 907B Digital CRT Controller uses PanelLink Digital technology to support HDTV and highresolution CRT monitors for DTV and PC applications.

The SiL 907B Controller integrates a 165 Megapixels/sec PanelLink receiver core with a triple 10-bit, 175MHz DAC into a single chip for the highest quality possible on a CRT display. It features support for High-bandwidth Digital Content Protection (HDCP), enhanced jitter tolerance, and flexible, low power standby modes. Integrated, pre-programmed HDCP keys provide the most secure solution while simplifying the design and manufacturing process. PanelLink Digital technology is the world's leading DVI solution. PanelLink simplifies DTV and PC display interface design by resolving many of the system level issues associated with high-speed mixed signal design, providing the system designer with a digital interface solution that is quicker to market and lower in cost.

SiL 907B Pin Diagram:

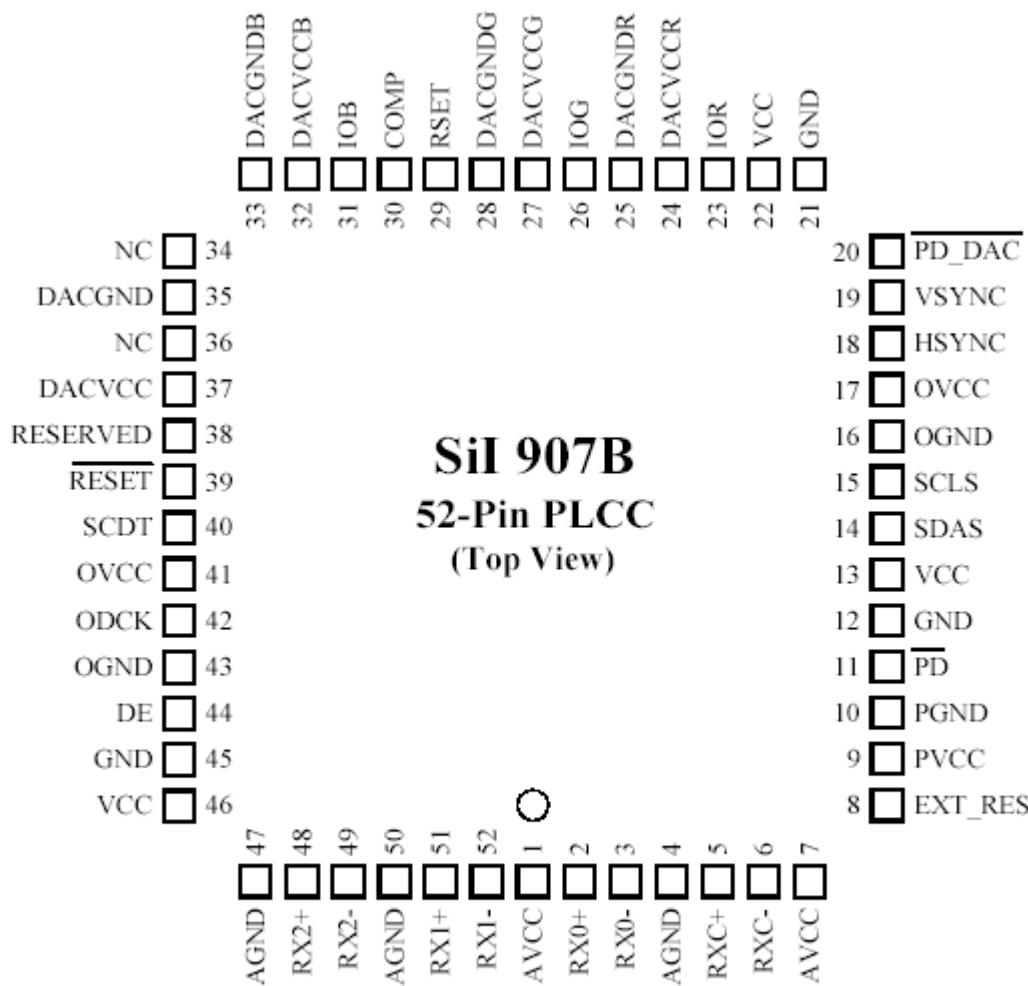
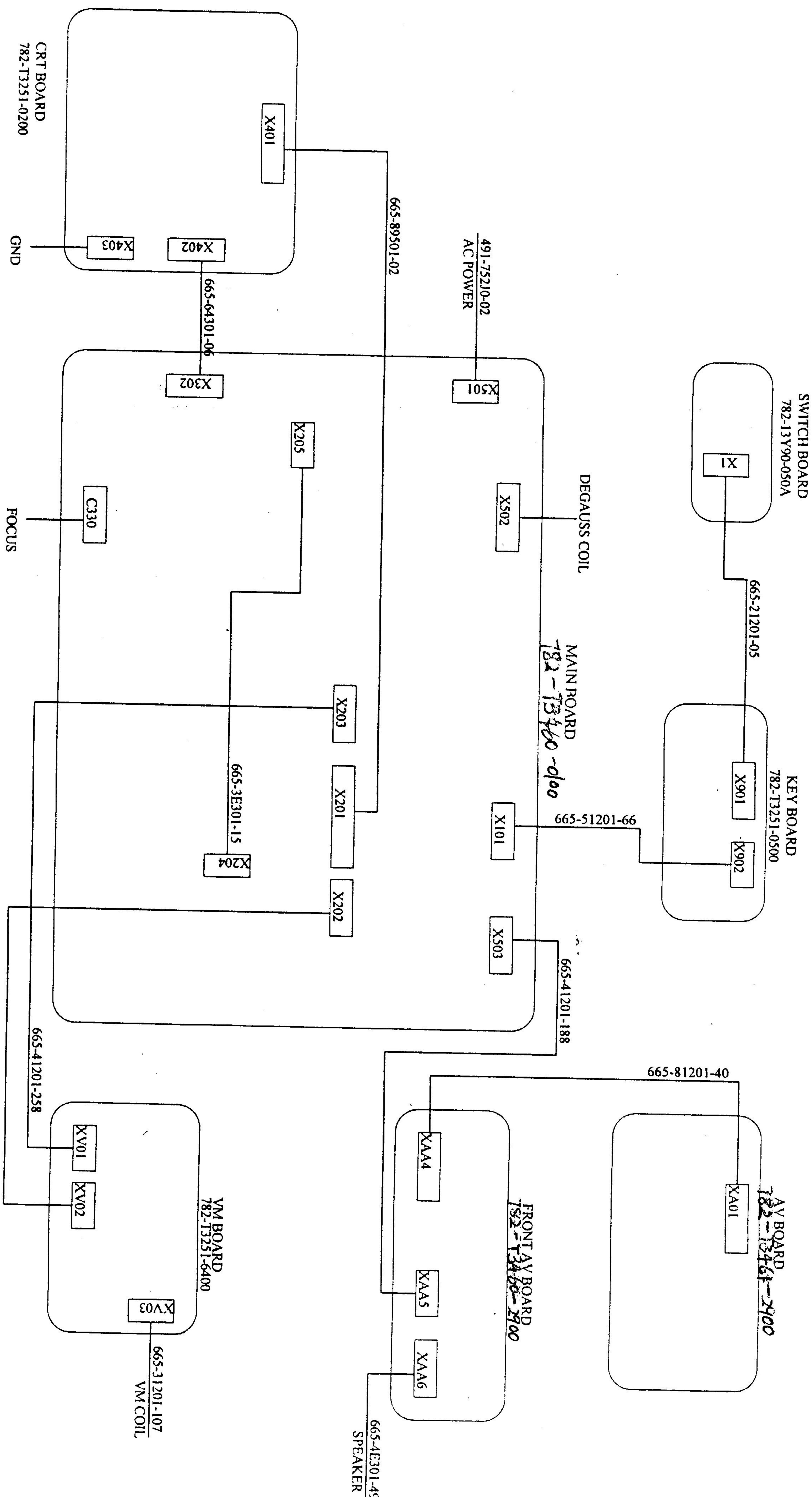
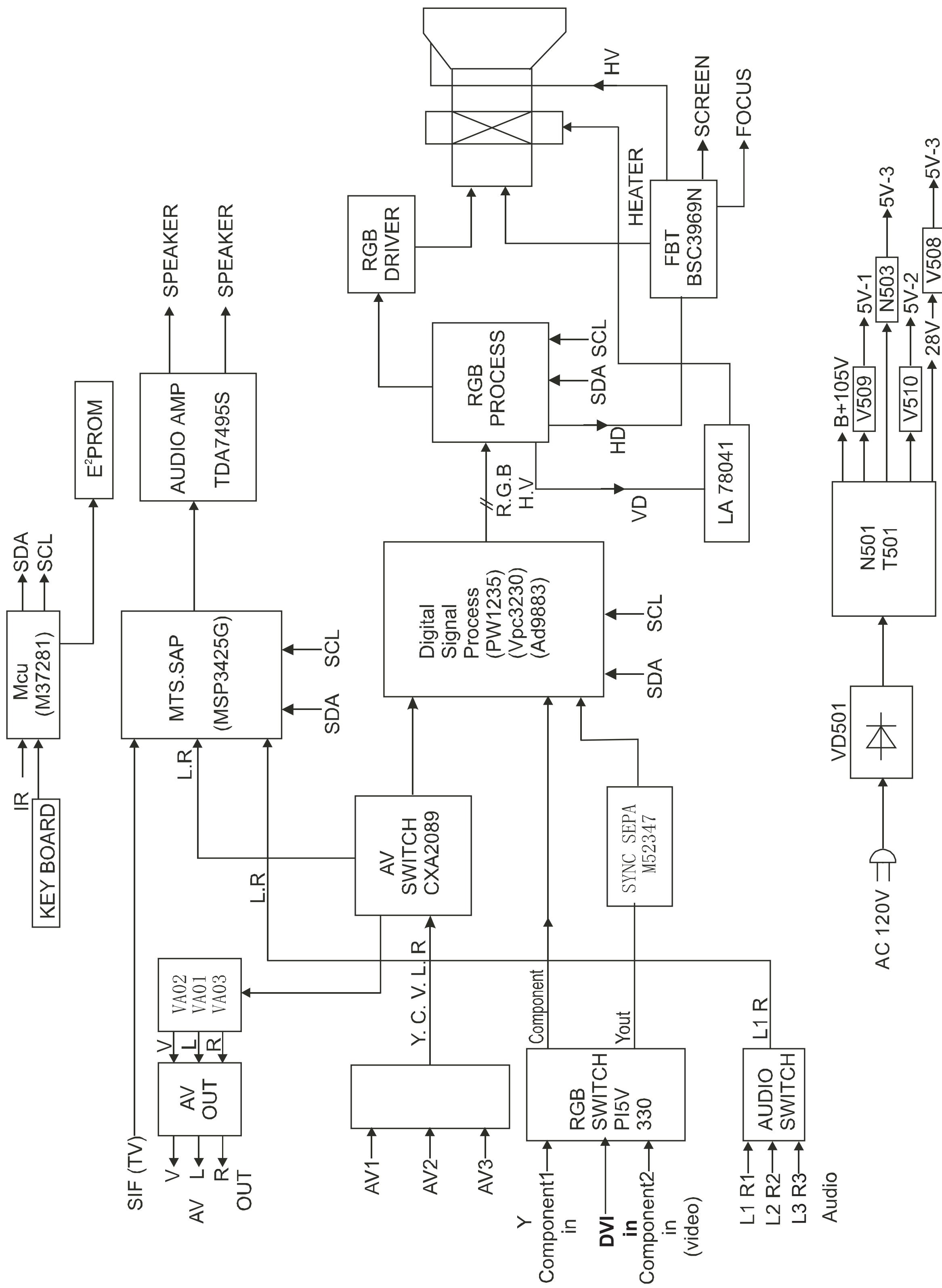


Figure 1. SiL 907B Pin Diagram

WIRING DIAGRAM

WIRING DIAGRAM

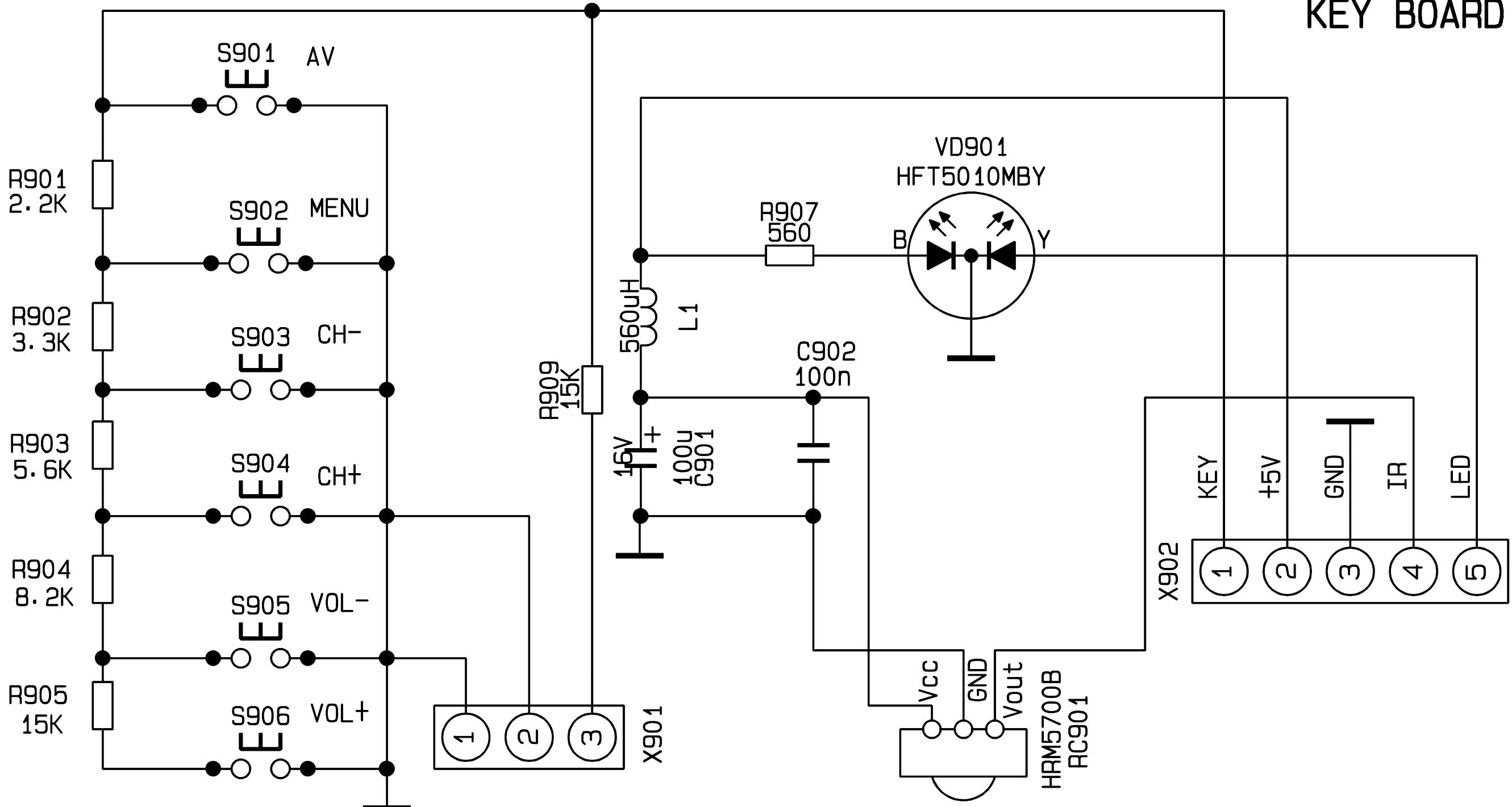


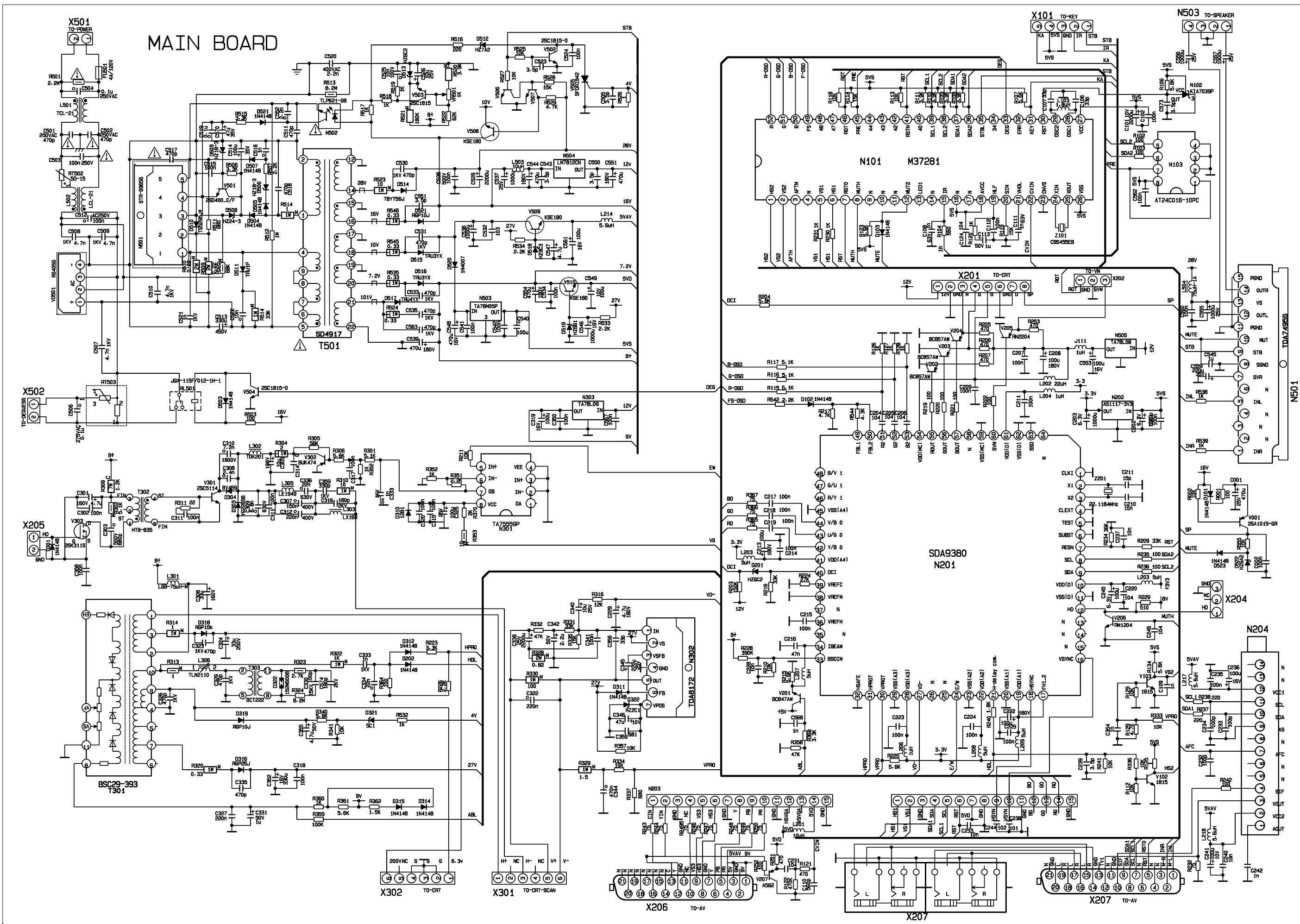


A

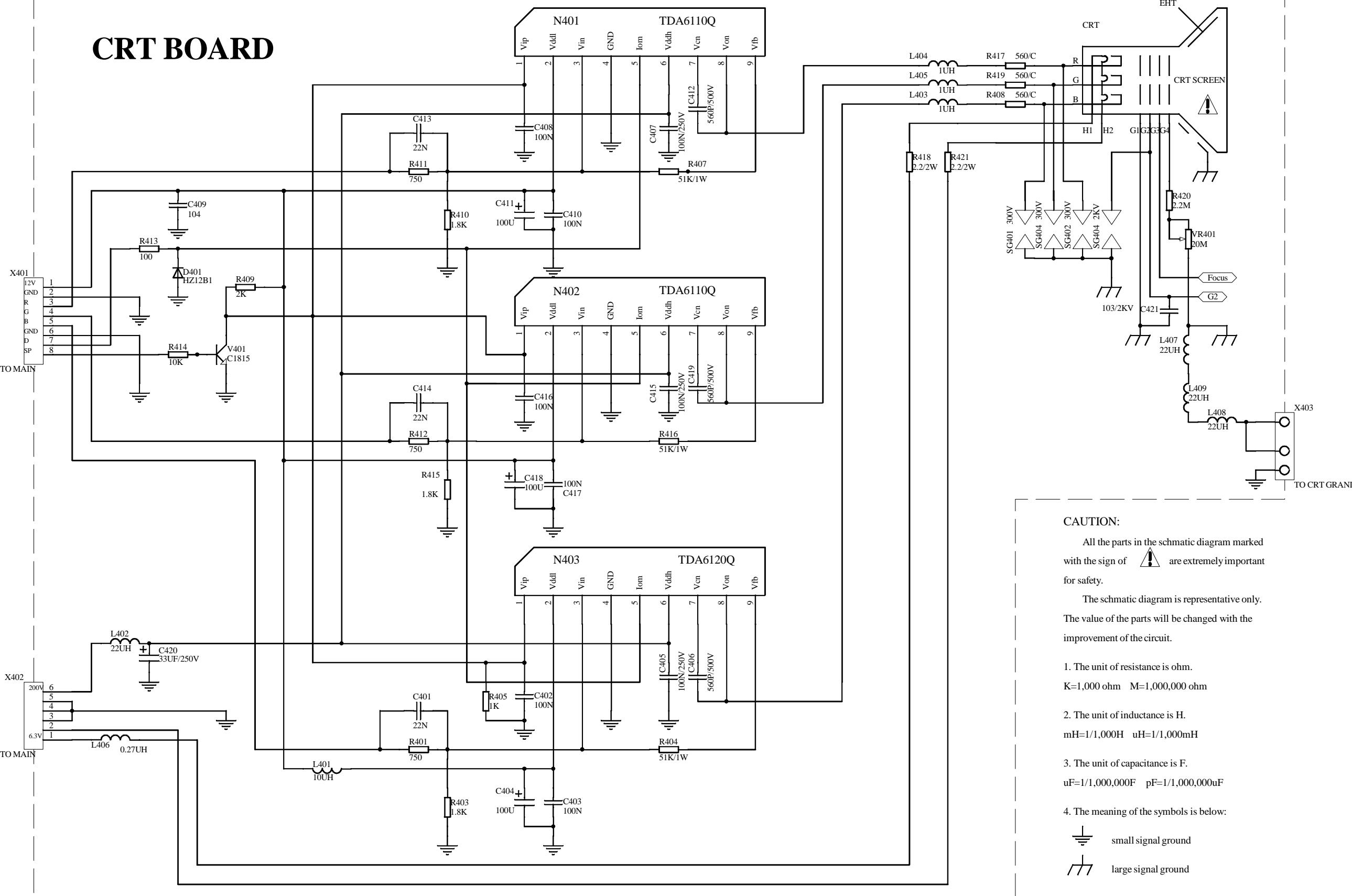
B

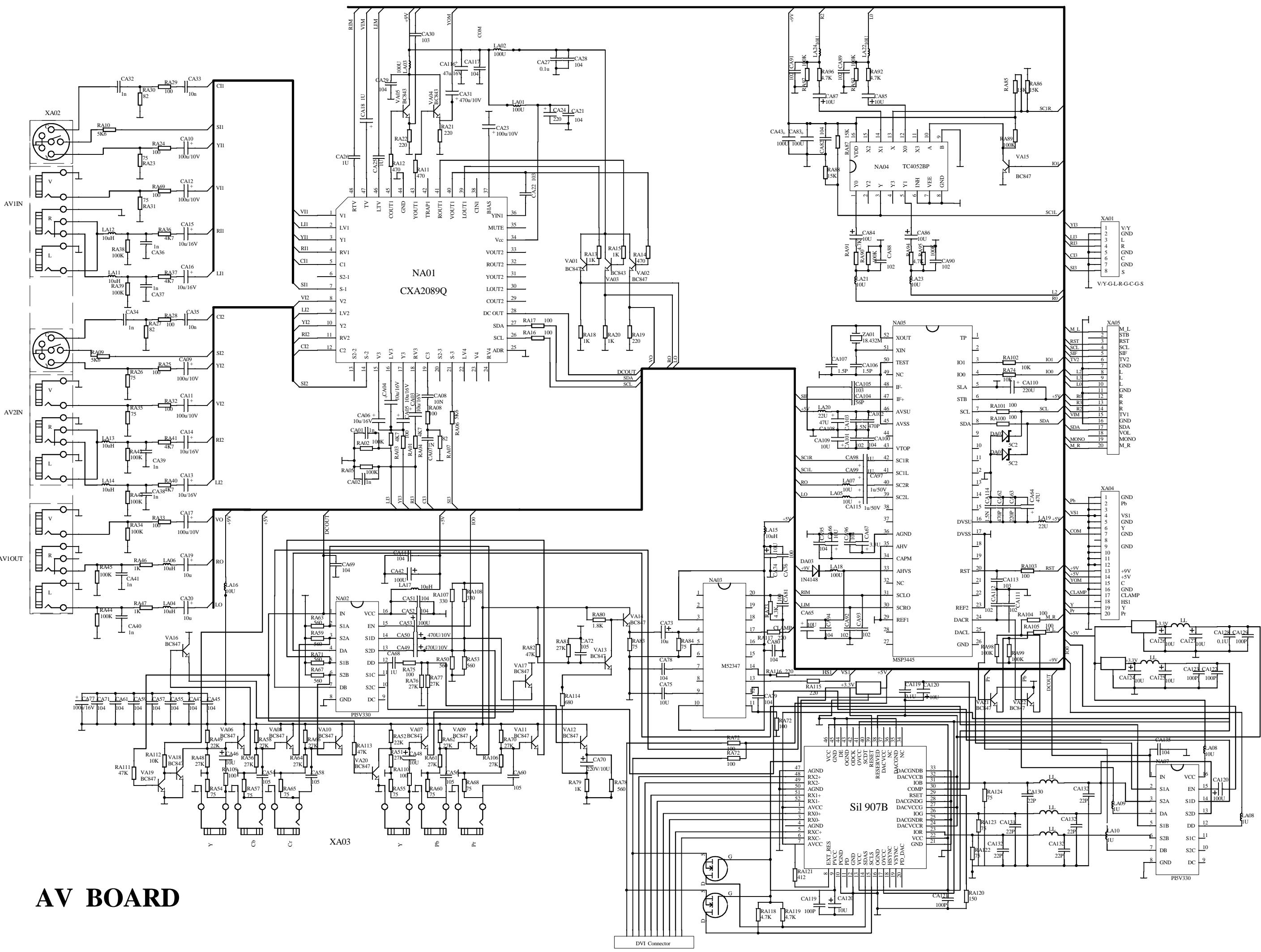
KEY BOARD

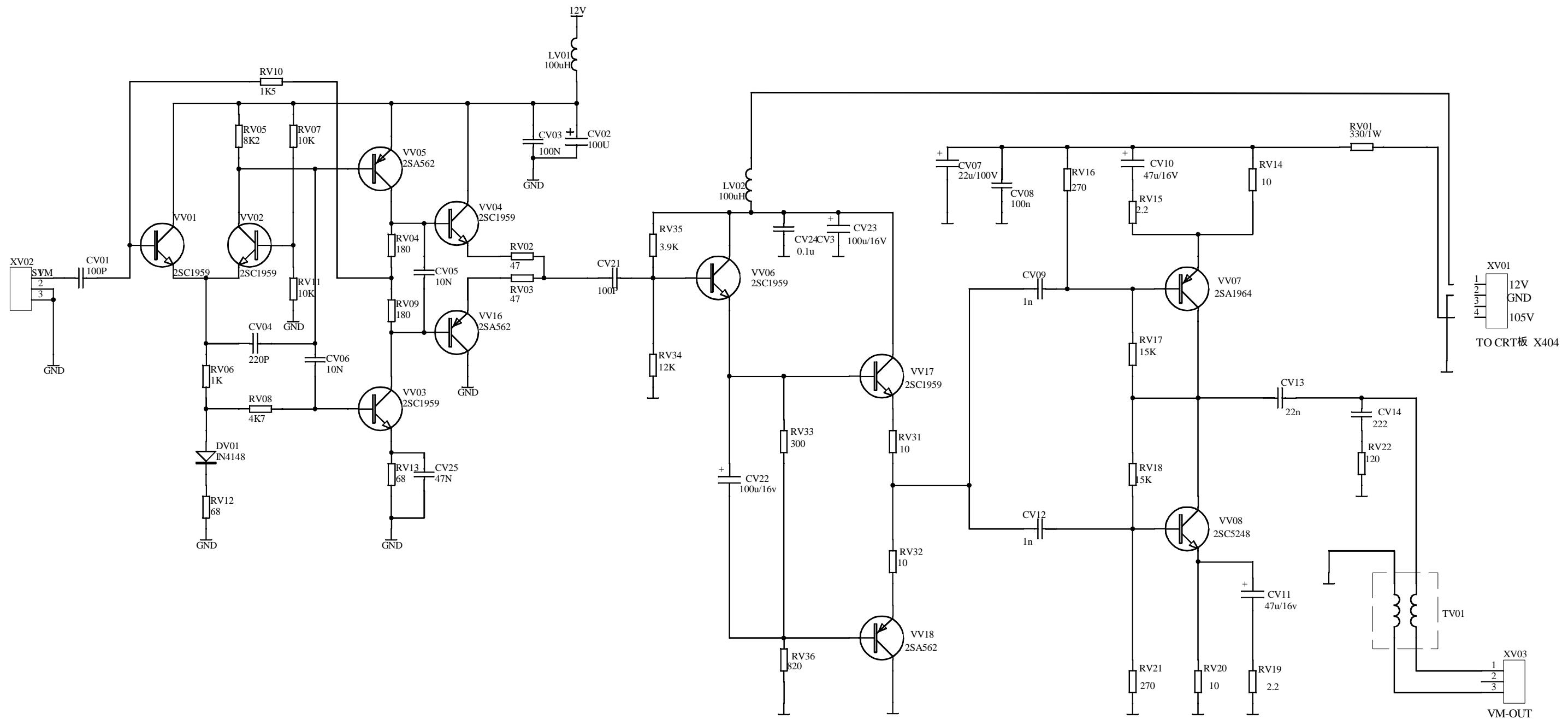




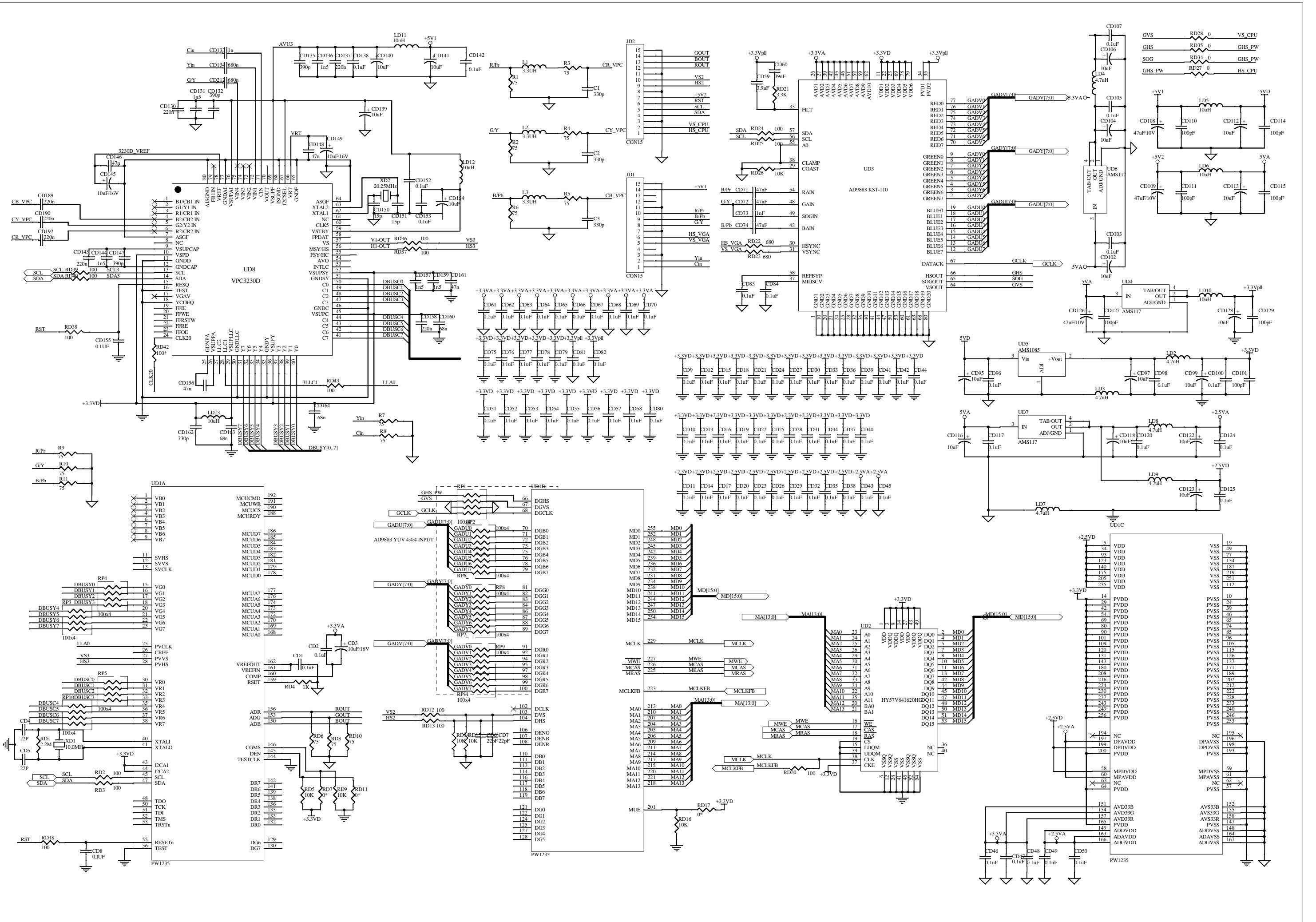
CRT BOARD

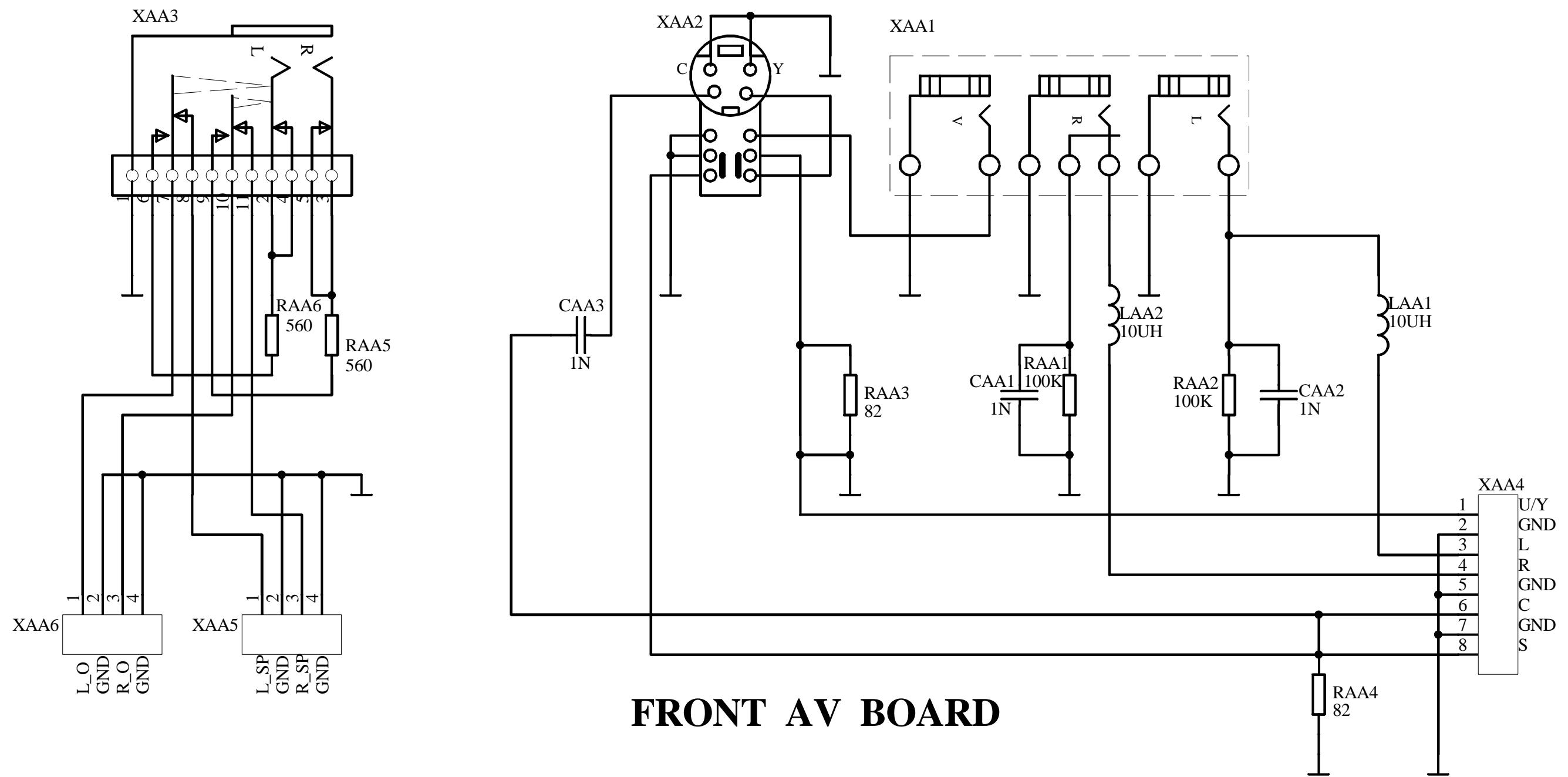






VM BOARD





FRONT AV BOARD

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE “X-RAY RADIATION PERCAUTION”, “SAFETY PRECAUTION” AND “PRODUCT SAFETY NOTICE” ON PAGE 1&2 OF THIS MANUAL.

CAUTION: 1. The shaded areas makes in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with type identical to those in the original circuit or specified in the parts list. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 2.
 2. Do not degrade the safety of the receiver through improper servicing.

ELECTRICAL PARTS LIST

MAIN BOARD

SYMBOL	PART NO.	DESCRIPTION
	782-T3460-0100	MAIN PCB
CRYSTAL		
Z101	329-58001-00	8MHZ
Z201	329-62404-00	HC-49/US 24.576MHZ
DISCHARGE TUBE		
D322	339-10017-00	DSP-152MS00B
	339-10017-00	DSP-152MS00B
RECTIFIER		
VD501	340-80011-00	RBV-606
DIODE		
D303	340-00132-00	ERC20-06
D520	340-00197-00	IN4007
D304	340-00254-00	BY459X
D517	340-00257-00	BYT56J
D514	340-00283-00	TRU3YX
D501	340-00288-00	TFR155
D515	340-00288-00	TFR155
D516	340-00288-00	TFR155
D102	340-00001-003	1N4148
D103	340-00001-003	1N4148
D510	340-00001-003	1N4148
D502	340-00001-003	1N4148
D202	340-00001-003	1N4148
D503	340-00001-003	1N4148
D301	340-00001-003	1N4148
D504	340-00001-003	1N4148

SYMBOL	PART NO.	DESCRIPTION
D505	340-00001-003	1N4148
D312	340-00001-003	1N4148
D507	340-00001-003	1N4148
D315	340-00001-003	1N4148
D314	340-00001-003	1N4148
D101	340-00001-003	1N4148
D320	340-00001-003	1N4148
D323	340-00001-003	1N4148
D104	340-00001-003	1N4148
D523	340-00001-003	1N4148
D318	340-00005-003	S5295J
D511	340-00005-003	S5295J
D319	340-00010-003	S5295G
D311	340-00086-003	TVR-1B
D316	340-00288-003	TFR155
D521	340-00001-003	1N4148
D106	340-00001-003	1N4148
D107	340-00001-003	1N4148
REGULATED DIODE		
D317	340-50240-003	HZ2C2
D512	340-50470-003	HZ5B1
D518	340-50560-003	HZ6B1
D519	340-50560-003	HZ6B1
D522	340-50610-003	HZ6C2
D201	340-50610-003	HZ6C2
D513	340-50610-003	HZ6C2
D310	340-51180-003	HZ12A1
D509	340-51670-003	HZ16-3
D321	340-51670-003	HZ16-3
D506	340-51850-003	HZ18-3
D508	340-52490-003	HZ24-3
TRANSISTOR		
V508	343-01800-00	KSE180 TO-126
V509	343-01800-00	KSE180 TO-126
V510	343-01800-00	KSE180 TO-126
V303	343-03040-00	BSN304
V302	343-04740-00	BUK474-200A/B
V301	343-51440-00	2SC5144
V505	343-00420-404	SFORIB42
V501	343-04000-304	2SD400 E/F
V207	343-05620-104	2SA562TM-Y
V205	343-05620-104	2SA562TM-Y
V204	343-05620-104	2SA562TM-Y

SYMBOL	PART NO.	DESCRIPTION
V202	343-05620-104	2SA562TM-Y
V203	343-05620-104	2SA562TM-Y
V104	343-05620-104	2SA562TM-Y
V001	343-10150-104	2SA1015Y Pr2.5
V206	343-12040-004	RN1204
V507	343-18150-104	2SC1815-Y
V506	343-18150-104	2SC1815-Y
V103	343-18150-104	2SC1815-Y
V504	343-18150-104	2SC1815-Y
V503	343-18150-104	2SC1815-Y
V201	343-18150-104	2SC1815-Y
V502	343-18150-10	2SC1815-Y
V208	343-07520-10	2SC752GTM-Y
SMD CAPACITOR		
C237	456-2410R-C2	C2012Y5V1E104ZT
CERAMIC CAPACITOR		
C359	459-8122K-00	DE0707B221K2K
C521	459-8210K-00	DE0907B102K2K
C502	459-B147M-20	ECK-DNS471MBX
C501	459-B147M-20	ECK-DNS471MBX
C520	459-B222M-20	ECK-DNS222MEX
C330	459-D210M-00	MSC46-01A
C531	459-6147K-00	DE0705B471K1k
C335	459-6147K-00	DE0705B471K1k
C530	459-6147K-00	DE0705B471K1k
C533	459-6147K-00	DE0705B471K1k
C323	459-6147K-00	DE0705B471K1k
C329	459-6147K-00	DE0705B471K1k
C563	459-6147K-00	DE0705B471K1k
C535	459-6215K-00	DE0905B152K1K
C508	459-6247K-00	DE1205B472K1K
C509	459-6247K-00	DE1205B472K1K
C507	459-6247K-00	DE1205B472K1K
C510	459-6247K-00	DE1205B472K1K
C304	459-6310R-00	DE1510E103Z1K
C359	459-6168K-00	DE0705B681K1K
C357	459-6310R-00	DE1510E103Z1K
C221	459-2015H-102	CC45-CH1H150JYR
C211	459-2015H-102	CC45-CH1H150JYR
C107	459-2022H-102	CC45-CH1H220JYR
C106	459-2022H-102	CC45-CH1H220JYR
C356	459-2056H-102	CC1-08-CH-63V-56pF-J
C234	459-2110H-102	CC45-CH1H101JYR

SYMBOL	PART NO.	DESCRIPTION
C233	459-2110H-102	CC45-CH1H101JYR
C244	459-2110H-102	CC45-CH1H101JYR
C112	459-2120H-902	RBU06SL201J-H46CA
C518	459-2147H-902	CC1-12-SL-63V-471J
C517	459-2147H-902	CC1-12-SL-63V-471J
C511	459-2147H-902	CC1-12-SL-63V-471J
C110	459-2156K-002	CT1-06-2B4-63V-561K
C242	459-2210K-002	CK45-B1H102KYR
C111	459-2210K-002	CK45-B1H102KYR
C108	459-2210K-002	CK45-B1H102KYR
C516	459-2210K-002	CK45-B1H102KYR
C568	459-2210K-002	CK45-B1H102KYR
C238	459-2210K-002	CK45-B1H102KYR
C333	459-2210K-002	CK45-B1H102KYR
C525	459-2210K-002	CK45-B1H102KYR
C341	459-2222K-002	CT1-08-2B4-63V-222K
C210	459-2310R-002	CK45-F1H103ZYR
C228	459-2310R-002	CK45-F1H103ZYR
C103	459-2310R-002	CK45-F1H103ZYR
C314	459-2410R-002	DD308-63F104Z50
C348	459-2310R-002	CK45-F1H103ZYR
C247	459-2310R-002	CK45-F1H103ZYR
C248	459-2310R-002	CK45-F1H103ZYR
C204	459-2322R-002	CT1-10-2F4-63V-223Z
C206	459-2322R-002	CT1-10-2F4-63V-223Z
C205	459-2322R-002	CT1-10-2F4-63V-223Z
C243	459-2410R-002	DD308-63F104Z50
C318	459-2410R-002	DD308-63F104Z50
C523	459-2410R-002	DD308-63F104Z50
C505	459-2410R-002	DD308-63F104Z50
C220	459-2410R-002	DD308-63F104Z50
C225	459-2410R-002	DD308-63F104Z50
C224	459-2410R-002	DD308-63F104Z50
C223	459-2410R-002	DD308-63F104Z50
C209	459-2410R-002	DD308-63F104Z50
C240	459-2410R-002	DD308-63F104Z50
C236	459-2410R-002	DD308-63F104Z50
C528	459-2410R-002	DD308-63F104Z50
C534	459-2410R-002	DD308-63F104Z50
C532	459-2410R-002	DD308-63F104Z50
C515	459-2410R-002	DD308-63F104Z50
C351	459-2410R-002	DD308-63F104Z50
C350	459-2410R-002	DD308-63F104Z50

SYMBOL	PART NO.	DESCRIPTION
C343	459-2410R-002	DD308-63F104Z50
C562	459-2410R-002	DD308-63F104Z50
C560	459-2410R-002	DD308-63F104Z50
C524	459-2410R-002	DD308-63F104Z50
C316	459-2410R-002	DD308-63F104Z50
C527	459-2410R-002	DD308-63F104Z50
C219	459-2410R-002	DD308-63F104Z50
C217	459-2410R-002	DD308-63F104Z50
C218	459-2410R-002	DD308-63F104Z50
C214	459-2410R-002	DD308-63F104Z50
C541	459-2410R-002	DD308-63F104Z50
C542	459-2410R-002	DD308-63F104Z50
C543	459-2410R-002	DD308-63F104Z50
C207	459-2410R-002	DD308-63F104Z50
C201	459-2410R-002	DD308-63F104Z50
C212	459-2410R-002	DD308-63F104Z50
C102	459-2410R-002	DD308-63F104Z50
C104	459-2410R-002	DD308-63F104Z50
C550	459-2410R-002	DD308-63F104Z50
C320	459-2410R-002	DD308-63F104Z50
C315	459-2410R-002	DD308-63F104Z50
C002	459-2410R-002	DD308-63F104Z50
C246	459-2410R-002	DD308-63F104Z50
C231	459-2410R-002	DD308-63F104Z50
C519	459-2410R-002	DD308-63F104Z50
C215	459-2410R-002	DD308-63F104Z50
C114	459-2410R-002	DD308-63F104Z50
C567	459-2410R-002	DD308-63F104Z50
C569	459-2410R-002	DD308-63F104Z50
C571	459-2410R-002	DD308-63F104Z50
C572	459-2410R-002	DD308-63F104Z50
C232	459-2222K-002	CT1-08-2B4-63V-222K
C545	459-2410R-002	DD308-63F104Z50
C303	459-5168K-002	RQC06B681K-6H46UA
C311	459-2410R-002	DD308-63F104Z50
C216	459-2347R-002	CT1-14b-2E-63V-473Z
C358	459-2410R-002	DD308-63F104Z50
C109	459-2410R-002	DD308-63F104Z50
C354	459-2310R-002	CK45-F1H103ZYR
C334	459-2110H-102	CC45-CH1H101JYR
C552	459-2222K-002	CT1-08-2B4-63V-222K
C360	459-2222K-00	CT1-08-2B4-63V-222K

SYMBOL	PART NO.	DESCRIPTION
	459-2022H-10	CC1-06-CH-63V-22PF-J
ELECTROLYTIC CAPACITOR		
C305	464-R1610-T0	CD110HR-100V-10uF-T
C539	464-04747-M0R	200USP470MA35
C229	464-6B810-M0	CD110-6.3V-1000uF-M
C230	464-6B810-M0	CD110-6.3V-1000uF-M
C202	464-6B810-M0	CD110-6.3V-1000uF-M
C203	464-6B810-M0	CD110-6.3V-1000uF-M
C208	464-6C710-M0	CD110-10V-100uF-M
C222	464-6C710-M0	CD110-10V-100uF-M
C213	464-6C710-M0	CD110-10V-100uF-M
C241	464-6C722-M0	CD110-10V-220uF-M
C235	464-6C722-M0	CD110-10V-220uF-M
C105	464-6C722-M0	CD110-10V-220uF-M
C227	464-6C747-M0	CD110-10V-470uF-M
C561	464-6C810-M0	CD110-10V-1000uF-M
C549	464-6C810-M0	CD110-10V-1000uF-M
C548	464-6D810-M0	CD110-16V-1000uF-M
C101	464-6D822-M0	CD110-16V-2200uF-M
C536	464-6D822-M0	CD110-16V-2200uF-M
C554	464-6D822-M0	CD110-16V-2200uF-M
C340	464-6E610-M0	CD110-25V-10uF-M
C325	464-6E647-M0	CD110-25V-47uF-M
C544	464-6E722-M0	CD110-25V-220uF-M
C001	464-6E747-M0	CD110-25V-470uF-M
C556	464-6E810-M0	CD110-25V-1000uF-M
C557	464-6E810-M0	CD110-25V-1000uF-M
C537	464-6E810-M0	CD110-25V-1000uF-M
C339	464-6E822-M0	CD110-25V-2200uF-M
C555	464-6F747-M0	CD110-35V-470uF-M
C559	464-6F747-M0	CD110-35V-470uF-M
C347	464-6F747-M0	CD110-35V-470uF-M
C558	464-6F747-M0	CD110-35V-470uF-M
C352	464-6F822-M0	CD110-35V-2200uF-M
C529	464-6F822-M0	CD110-35V-2200uF-M
C113	464-60510-M0	CD110-50V-1uF-M
C306	464-62633-M0	CD288-160V-33uF-M
C324	464-65633-M0	CD288-250V-33uF-M
C513	464-85768-M0H	CD293X-250V-680uF-M
C346	464-6C647-M02	* CD110-10V-47uF-M
C245	464-6C710-M02	CD110-10V-100uF-M
C540	464-6C710-M02	CD110-10V-100uF-M
C226	464-6C747-M02	CD110-10V-470uF-M

SYMBOL	PART NO.	DESCRIPTION
C547	464-6D647-M02	CD110-16V-47uF-M
C546	464-6D647-M02	CD110-16V-47uF-M
C553	464-6D710-M02	CD110-16V-100uF-M
C319	464-6D710-M02	CD110-16V-100uF-M
C551	464-6D722-M02	CD110-16V-220uF-M
C526	464-6E610-M02	* CD110-25V-10uF-M
C514	464-6F710-M02	CD110-35V-100uF-M
C345	464-6F710-M02	CD110-35V-100uF-M
C342	464-60547-M02	CD110-50V-4.7uF-M
C355	464-60547-M02	CD110-50V-4.7uF-M
C301	464-62547-M02	CD288-160V-4.7uF-M
CARBON RESISTOR		
R226	467-1C222-H03	1/6W-2.2K-J
R223	467-1C239-H03	1/6W-3.9K-J
R232	467-1C075-H03	1/6W-75 Ω -J
R244	467-1C075-H03	1/6W-75 Ω -J
R366	467-1C075-H03	1/6W-75 Ω -J
R367	467-1C075-H03	1/6W-75 Ω -J
R243	467-1C075-H03	1/6W-75 Ω -J
R365	467-1C075-H03	1/6W-75 Ω -J
R204	467-1C110-H03	1/6W-100 Ω -J
R219	467-1C110-H03	1/6W-100 Ω -J
R220	467-1C110-H03	1/6W-100 Ω -J
R221	467-1C110-H03	1/6W-100 Ω -J
R222	467-1C110-H03	1/6W-100 Ω -J
R102	467-1C110-H03	1/6W-100 Ω -J
R103	467-1C110-H03	1/6W-100 Ω -J
R242	467-1C110-H03	1/6W-100 Ω -J
R252	467-1C110-H03	1/6W-100 Ω -J
R236	467-1C110-H03	1/6W-100 Ω -J
R235	467-1C110-H03	1/6W-100 Ω -J
R238	467-1C122-H03	1/6W-220 Ω -J
R237	467-1C122-H03	1/6W-220 Ω -J
R121	467-1C147-H03	1/6W-470 Ω -J
R251	467-1C147-H03	1/6W-470 Ω -J
R205	467-1C147-H03	1/6W-470 Ω -J
R206	467-1C147-H03	1/6W-470 Ω -J
R207	467-1C147-H03	1/6W-470 Ω -J
R253	467-1C147-H03	1/6W-470 Ω -J
R104	467-1C156-H03	1/6W-560 Ω -J
R128	467-1C143-H03	1/6W-430 Ω -J
R126	467-1C143-H03	1/6W-430 Ω -J
R127	467-1C143-H03	1/6W-430 Ω -J

SYMBOL	PART NO.	DESCRIPTION
R337	467-1C168-H03	1/6W-680 Ω -J
R511	467-1C168-H03	1/6W-680 Ω -J
R229	467-1C210-H03	1/6W-1K-J
R120	467-1C210-H03	1/6W-1K-J
R517	467-1C210-H03	1/6W-1K-J
R518	467-1C210-H03	1/6W-1K-J
R364	467-1C210-H03	1/6W-1K-J
R230	467-1C210-H03	1/6W-1K-J
R338	467-1C210-H03	1/6W-1K-J
R360	467-1C210-H03	1/6W-1K-J
R231	467-1C210-H03	1/6W-1K-J
R336	467-1C210-H03	1/6W-1K-J
R245	467-1C210-H03	1/6W-1K-J
R548	467-1C210-H03	1/6W-1K-J
R549	467-1C210-H03	1/6W-1K-J
R362	467-1C215-H03	1/6W-1.5K-J
R240	467-1C218-H03	1/6W-1.8K-J
R526	467-1C220-H03	1/6W-2K-J
R209	467-1C220-H03	1/6W-2K-J
R532	467-1C222-H03	1/6W-2.2K-J
R534	467-1C222-H03	1/6W-2.2K-J
R533	467-1C222-H03	1/6W-2.2K-J
R542	467-1C222-H03	1/6W-2.2K-J
R246	467-1C222-H03	1/6W-2.2K-J
R247	467-1C222-H03	1/6W-2.2K-J
R507	467-1C222-H03	1/6W-2.2K-J
R368	467-1C233-H03	1/6W-3.3K-J
R506	467-1C233-H03	1/6W-3.3K-J
R116	467-1C233-H03	1/6W-3.3K-J
R117	467-1C233-H03	1/6W-3.3K-J
R115	467-1C233-H03	1/6W-3.3K-J
R108	467-1C239-H03	1/6W-3.9K-J
R241	467-1C239-H03	1/6W-3.9K-J
R109	467-1C239-H03	1/6W-3.9K-J
R110	467-1C239-H03	1/6W-3.9K-J
R111	467-1C239-H03	1/6W-3.9K-J
R234	467-1C239-H03	1/6W-3.9K-J
R305	467-1C356-H03	1/6W-56K-J
R520	467-1C239-H03	1/6W-3.9K-J
R131	467-1C239-H03	1/6W-3.9K-J
R544	467-1C243-H03	1/6W-4.3K-J
R217	467-1C247-H03	1/6W-4.7K-J
R130	467-1C247-H03	1/6W-4.7K-J

SYMBOL	PART NO.	DESCRIPTION
R123	467-1C256-H03	1/6W-5.6K-J
R124	467-1C256-H03	1/6W-5.6K-J
R215	467-1C256-H03	1/6W-5.6K-J
R340	467-1C256-H03	1/6W-5.6K-J
R361	467-1C256-H03	1/6W-5.6K-J
R106	467-1C256-H03	1/6W-5.6K-J
R515	467-1C256-H03	1/6W-5.6K-J
R225	467-1C275-H03	1/6W-7.5K-J
R107	467-1C310-H03	1/6W-10K-J
R357	467-1C310-H03	1/6W-10K-J
R334	467-1C310-H03	1/6W-10K-J
R352	467-1C310-H03	1/6W-10K-J
R525	467-1C310-H03	1/6W-10K-J
R002	467-1C310-H03	1/6W-10K-J
R113	467-1C310-H03	1/6W-10K-J
R118	467-1C310-H03	1/6W-10K-J
R555	467-1C310-H03	1/6W-10K-J
R211	467-1C310-H03	1/6W-10K-J
R527	467-1C310-H03	1/6W-10K-J
R316	467-1C310-H03	1/6W-10K-J
R333	467-1C310-H03	1/6W-10K-J
R210	467-1C312-H03	1/6W-12K-J
R335	467-1C313-H03	1/6W-13K-J
R105	467-1C315-H03	1/6W-15K-J
R114	467-1C315-H03	1/6W-15K-J
R528	467-1C315-H03	1/6W-15K-J
R119	467-1C315-H03	1/6W-15K-J
R519	467-1C322-H03	1/6W-22K-J
R216	467-1C333-H03	1/6W-33K-J
R351	467-1C333-H03	1/6W-33K-J
R331	467-1C333-H03	1/6W-33K-J
R332	467-1C339-H03	1/6W-39K-J
R356	467-1C347-H03	1/6W-47K-J
R358	467-1C356-H03	1/6W-56K-J
R522	467-1C362-H03	1/6W-62K-J
R359	467-1C410-H03	1/6W-100K-J
R203	467-1C416-H03	1/6W-160K-J
R521	467-1C418-H03	1/6W-180K-J
R122	467-1C447-H03	1/6W-470K-J
R353	467-1D010-H03	RT14-1/4W-10 Ω -J
R503	467-1D110-H03	RT14-1/4W-100 Ω -J
R212	467-1C122-H03	1/6W-220 Ω -J
R301	467-1C251-H03	1/6W-5.1K-J

SYMBOL	PART NO.	DESCRIPTION
R300	467-1C247-H03	1/6W-4.7K-J
R201	467-1C322-H03	1/6W-22K-J
R202	467-1C310-H03	1/6W-10K-J
R516	467-1C133-H03	1/6W-330 Ω -J
R531	467-1C115-H03	1/6W-150 Ω -J
R341	467-1C291-H03	1/6W-9.1K-J
R001	467-1C210-H03	1/6W-1K-J
R504	467-1C156-H03	1/6W-560 Ω -J
R239	467-1C322-H0	1/6W-22K-J
R208	467-1C322-H0	1/6W-22K-J
R306	467-1C256-H0	1/6W-5.6K-J
R311	467-1D022-H0	RT14-1/4W-22 Ω -J
C577	467-1C310-H0	1/6W-10K-J
R228	467-1D439-H0	RT14-1/4W-390K-J
METAL RESISTOR		
R342	467-2E322-H0	1/2W-22K-JL
R329	467-2FA15-H0	1W-1.5 Ω -JL
R328	467-2G001-H0	2W-1 Ω -JL
R304	467-2F002-H0	1W-2 Ω -JL
R524	467-2F012-H0	1W-12 Ω -JL
R330	467-2G056-H0	2W-56 Ω -JL
R302	467-2E251-H0	1/2W-5.1K-JL
R322	467-2F315-H0	1W-15k Ω -JL
R513	467-2F333-H0	1W-33k Ω -JL
R505	467-2F368-H0	1W-68k Ω -JL
R509	467-2GB15-H0	2W-0.15 Ω -JL
R510	467-2GB15-H0	2W-0.15 Ω -JL
R529	467-2F182-H0	1W-820 Ω -JL
R310	467-2F227-H0	1W-2.7k Ω -JL
R370	467-2D220-H0	1/4W-2k-J
R224	467-2C327-G03	1/6W-27K-G
R308	467-2C327-G03	1/6W-27K-G
R512	467-2C510-G03	1/6W-1M-G
J517	467-2E139-H0	1/2W-390 Ω -JL
INDUCTANCE WITH COLOUR CODES		
L206	471-2A22K-003	SPT0305-2R2K-5
L205	471-2022K-003	SPT0305-220K-5
L208	471-2022K-003	SPT0305-220K-5
L101	471-2022K-003	SPT0305-220K-5
L103	471-2A18K-00	SPT0305-1R8K-5
L207	471-2A47K-00	SPT0305-4R7K-5
L212	471-2010K-A0	SP0203-10uH-K
L503	471-2010K-A0	SP0203-10uH-K

SYMBOL	PART NO.	DESCRIPTION
L217	471-2010K-A0	SP0203-10uH-K
L218	471-2010K-A0	SP0203-10uH-K
L307	471-2010K-A0	SP0203-10uH-K
L202	471-2022K-00	SPT0305-220K-5
L209	471-2022K-00	SPT0305-220K-5
L102	471-2068K-A0	SP0203-68uH-K
FIXED INDUCTANCE		
L504	477-40031-00	LG750
L301	477-40057-00	LG101
L302	477-40073-00	TLN3197D
L305	477-40179-00	LE1949
THIN-FILM CAPACITOR		
C249	462-B0510-H0	CL21X-50V-1uF-J
C575	462-00239-H02	CL11-100V-3900PF-J
C576	462-00239-H02	CL11-100V-3900PF-J
C327	462-90422-H0	50V-0.22uF-J
C504	462-2B410-M0V	250VAC-0.1uF-M
C503	462-2B410-M0V	250VAC-0.1uF-M
C506	462-2B410-M0V	250VAC-0.1uF-M
C512	462-2B410-M0V	250VAC-0.1uF-M
C344	462-21447-K0	CL21-100V-0.47UF-K
C565	462-20447-H0	CL21-50V-0.47uF-J
C564	462-20447-H0	CL21-50V-0.47uF-J
C308	462-88212-H0	CBB81-1600V-1200PF-J
C522	462-56310-H0	CBB12-630V-0.01uF-J
C336	462-86333-H0	CBB21-630V-333J
C307	462-D5415-H0	CBB21A-400V-0.1uF-J
C312	462-85422-H3	MKP479-400V-0.22uF-J
C302	462-00410-H0	CL11-100V-0.1uF-J
C310	459-88272-H0	CBB81-1600V-7200PF-J
C309	462-56268-H0	CBB13-630V-6800PF-J
SMD IC		
N201	353-93800-00	IC SDA9380-B21
N202	353-11170-20	IC AS1117M-3.3
IC		
N502	352-06210-70	TLP621-GB(UL)
N103	352-24160-50	M24C16BN6
N101	352-37281-10	M37281EKSP
N301	352-55590-40	TA75559P
N102	352-70390-10	* KIA7039P
N506	352-74950-10	TDA7495S
N302	352-78041-00	LA78041
N503	352-78050-00	KA7805

SYMBOL	PART NO.	DESCRIPTION
N505	352-78080-00	AN7808
N303	352-78090-40	TA78M09P
N504	352-78120-60	KA7812
N501	352-96560-00	STR-G9656
FUSE BASE		
FU501	364-77511-00	
AV SOCKET		
X207	364-94205-00	AV4-8415-1
RELAY		
RL501	457-12003-9G	JQX-14FF-012-1HS
CARBON RESISTOR		
R323	467-8E227-H1A	1/2W-2.7K Ω -J
R501	467-8E522-H0	1/2W-2.2M Ω -JL
R530	467-8E582-H0A	1/2W-8.2M Ω -J
ADJUSTABLE INDUCTANCE		
L306	477-30027-00	TLN2110-1
POTENTIOMETER		
VR501	468-32107-00	EVND8A-A03-B13
THERMISTOR		
RT502	469-40004-00	5D2-14LC
RT503	469-10028-00	MZ73C-9RM
MELTABLE RESISTOR		
R313	467-4E001-H0	1/2W-1 Ω -JL
R535	467-4FB27-H0	1W-0.27 Ω -JL
R545	467-4FB27-H0	1W-0.27 Ω -JL
R320	467-4FB33-H0	1W-0.33 Ω -JL
R523	467-4FB33-H0	1W-0.33 Ω -JL
R546	467-4FB33-H0	1W-0.33 Ω -JL
R314	467-4F001-H0	1W-1 Ω -JL
R514	467-4F001-H0	1W-1 Ω -JL
CEMENT RESISTOR		
R309	467-51212-H8	RY27-3H-7W-1.2K-J
SWITCH TRANSFORMER		
T501	470-00316-00	SD4922
H-DRIVE TRANSFORMER		
T302	472-10047-00	ZE2526
DYNAMIC FOCUS TRANSFORMER		
T303	472-60001-00	BCT222
H-LINEARITY COIL		
L303	477-00074-00	LX190
POWER FILTER		
L502	477-20031-00	LCL-21
L501	477-20031-00	LCL-21

SYMBOL	PART NO.	DESCRIPTION
FBT		
T301	472-2B121-00	BSC30-3970N
OTHER		
TUNER(N204)	590-40714-00	JS-6AM/L134
FUSE(FU501)	569-20141-00	U/C/T51S 125V/4A
DEGAUSSING COIL(T346)	477-13701-00	DX-94
DEGAUSSING COIL(T306)	477-13202-00	DX-32
ROTARY COIL	477-12912-00	XZ-04
POWER CORD	491-752J0-02	UL
CRT(T346)	335-36121-00U	W86LQQ350X97
CRT(T306)	335-32123-00U	W76LTL350X99

CRT BOARD

SYMBOL	PART NO.	DESCRIPTION
	782-T3251-0200	CRT PCB
REGULATED DIODE		
D401	340-51260-003	HZ12B1
POTENTIOMETER		
VR401	468-26201-00	VG153HB206
IC		
N403	352-61110-80	TDA6111Q
N401	352-61110-80	TDA6111Q
N402	352-61110-80	TDA6111Q
CARBON RESISTOR		
R411	467-1C175-H0	1/6W-750Ω-J
R412	467-1C175-H0	1/6W-750Ω-J
R401	467-1C175-H0	1/6W-750Ω-J
R403	467-1C218-H0	1/6W-1.8K-J
R410	467-1C218-H0	1/6W-1.8K-J
R415	467-1C218-H0	1/6W-1.8K-J
R405	467-1C182-H0	1/6W-820Ω-J
R409	467-1C215-H0	1/6W-1.5K-J
R413	467-1C110-H0	1/6W-100Ω-J
R414	467-1C310-H0	1/6W-10K-J
R402	467-1C233-H0	1/6W-3.3K-J
R406	467-1C139-H03	1/6W-390Ω-J
METAL RESISTOR		
R404	467-2F339-H0	1W-39kΩ-JL
R416	467-2F339-H0	1W-39kΩ-JL
R407	467-2F339-H0	1W-39kΩ-JL
CARBON RESISTOR		
R420	467-8E510-H0A	1/2W-1MΩ-J
R408	467-8E156-H0	1/2W-560Ω-JL

SYMBOL	PART NO.	DESCRIPTION
R417	467-8E156-H0	1/2W-560Ω-JL
R419	467-8E156-H0	1/2W-560Ω-JL
MELTABLE RESISTOR		
R418	467-4FA22-H0	1W-2.2Ω-JL
INDUCTANCE WITH COLOUR CODES		
L401	471-2010K-00	SPT0305-100K-5
L402	471-2022K-00	SPT0305-220K-5
TRANSISTOR		
V401	343-18150-10	2SC1815-Y
V402	343-18150-104	2SC1815-Y
CRT SOCKET		
CPT	364-58215-00	GZS10-2-4T1
ELECTROLYTIC CAPACITOR		
C404	464-6E710-M0	CD110-25V-100uF-M
C411	464-6E710-M0	CD110-25V-100uF-M
C418	464-6E710-M0	CD110-25V-100uF-M
C420	464-65633-M0	CD288-250V-33uF-M
CERAMIC CAPACITOR		
C421	459-8222K-00	DE1005B222K2K
C417	459-2410R-00	DD308-63F104Z50
C410	459-2410R-00	DD308-63F104Z50
C403	459-2410R-00	DD308-63F104Z50
C416	459-2410R-00	DD308-63F104Z50
C408	459-2410R-00	DD308-63F104Z50
C402	459-2410R-00	DD308-63F104Z50
C409	459-2410R-00	DD308-63F104Z50
C401	459-2008D-10	CC45-CH1H080DYJ
C413	459-2008D-10	CC45-CH1H080DYJ
C414	459-2008D-10	CC45-CH1H080DYJ
C419	459-2156H-90	CC1-12-SL-63V-561J
C412	459-2156H-90	CC1-12-SL-63V-561J
C406	459-2156H-90	CC1-12-SL-63V-561J
THIN-FILM CAPACITOR		
C405	462-24410-H0	CL21-250V-0.1uF-J
C407	462-24410-H0	CL21-250V-0.1uF-J
C415	462-24410-H0	CL21-250V-0.1uF-J

INFRARED SENSOR/BUTTON BOARD

SYMBOL	PART NO.	DESCRIPTION
	782-T3460-0900	INFRARED SENSOR PCB
	782-32611-050A	BUTTON PCB
	782-13Y90-0500	STANDBY BUTTON PCB
LIGHT-EMITTING DIODE		
LED2	340-10021-50	2EF565 (GREEN)
LED1	340-10039-20	HFR205 (RED)
CARBON RESISTOR		
R902	467-1C147-H0	1/6W-470 Ω -J
R901	467-1C375-H0	1/6W-75K-J
RK01	467-1C222-H0	1/6W-2.2K-J
RK02	467-1C233-H0	1/6W-3.3K-J
RK03	467-1C256-H0	1/6W-5.6K-J
RK04	467-1C282-H0	1/6W-8.2K-J
RK05	467-1C315-H0	1/6W-15K-J
INDUCTANCE WITH COLOUR CODES		
L901	471-2110K-A0	SP0203-100uH-K
ELECTROLYTIC CAPACITOR		
C901	464-6D722-M0	CD110-16V-220uF-M
CERAMIC CAPACITOR		
C902	459-2410R-00	DD308-63F104Z50
IC		
N901	352-03810-80	AT138B-T12

SIDE AV BOARD

SYMBOL	PART NO.	DESCRIPTION
	782-T3460-2900	SIDE AV PCB
CERAMIC CAPACITOR		
CAA1	459-2210K-00	CT1-06-2B4-63V-102K
CAA2	459-2210K-00	CT1-06-2B4-63V-102K
CAA3	459-2210K-00	CT1-06-2B4-63V-102K
CARBON RESISTOR		
RAA3	467-1C082-H0	1/6W-82 Ω -J
RAA4	467-1C082-H0	1/6W-82 Ω -J
RAA6	467-1C156-H0	1/6W-560 Ω -J
RAA5	467-1C156-H0	1/6W-560 Ω -J
RAA1	467-1C310-H0	1/6W-10K-J
RAA2	467-1C310-H0	1/6W-10K-J
INDUCTANCE WITH COLOUR CODES		
LAA1	471-2010K-A0	SP0203-10uH-K
LAA2	471-2010K-A0	SP0203-10uH-K

VM BOARD

SYMBOL	PART NO.	DESCRIPTION
	782-T3251-6400	VM PCB
DIODE		
DV01	340-00001-00	1N4148
DV02	340-00001-00	1N4148
SYMBOL	PART NO.	DESCRIPTION
DV03	340-00001-00	1N4148
TRANSISTOR		
VV18	343-05620-10	2SA562TM-Y
VV16	343-05620-10	2SA562TM-Y
VV05	343-05620-10	2SA562TM-Y
VV01	343-19590-10	2SC1959-Y
VV02	343-19590-10	2SC1959-Y
VV03	343-19590-10	2SC1959-Y
VV04	343-19590-10	2SC1959-Y
VV17	343-19590-10	2SC1959-Y
VV06	343-19590-10	2SC1959-Y
VV07	343-19640-30	2SA1964E
VV08	343-52480-30	2SC5248E
VV09	343-05620-10	2SA562TM-Y
VV11	343-05620-10	2SA562TM-Y
VV15	343-10150-10	2SA1015Y
VV13	343-12040-00	RN1204
VV14	343-18150-10	2SC1815-Y
VV10	343-19590-10	2SC1959-Y
VV12	343-19590-10	2SC1959-Y
CERAMIC CAPACITOR		
CV21	459-2110H-102	CC45-CH1H101JYR
CV01	459-2110H-102	CC45-CH1H101JYR
CV04	459-2133K-90	RBU07SL331K-H46CA
CV14	459-2222K-00	CT1-08-2B4-63V-222K
CV06	459-2310R-00	CT1-08-2F4-63V-103Z
CV05	459-2310R-00	CT1-08-2F4-63V-103Z
CV07	459-2347R-00	CT1-14b-2E-63V-473Z
CV24	459-2410R-00	DD308-63F104Z50
CV03	459-2410R-00	DD308-63F104Z50
CV17	459-2082H-10	CC1-08-63V-82pF-J
CV20	459-2410R-00	DD308-63F104Z50
CV24	459-2410R-00	DD308-63F104Z50
THIN-FILM CAPACITOR		
CV09	462-00210-H0	CL11-100V-1000PF-J

SYMBOL	PART NO.	DESCRIPTION
CV12	462-00210-H0	CL11-100V-1000PF-J
CV13	462-00322-H0	CL11-100V-0.022uF-J
CV08	462-00410-H0	CL11-100V-0.1uF-J
ELECTROLYTIC CAPACITOR		
CV15	464-6D710-M0	CD110-16V-100uF-M
CV16	464-6D710-M0	CD110-16V-100uF-M
CV18	464-6D710-M0	CD110-16V-100uF-M
CV19	464-6D710-M0	CD110-16V-100uF-M
CV11	464-6D647-M0	CD110-16V-47uF-M
CV10	464-6D647-M0	CD110-16V-47uF-M
CV22	464-6D710-M0	CD110-16V-100uF-M
CV23	464-6D710-M0	CD110-16V-100uF-M
CV02	464-6D710-M0	CD110-16V-100uF-M
CV07	464-61622-M0	CD110-100V-22uF-M
CARBON RESISTOR		
RV15	467-1CA22-H0	1/6W-2.2 Ω -J
RV19	467-1CA22-H0	1/6W-2.2 Ω -J
RV32	467-1C010-H0	1/6W-10 Ω -J
RV31	467-1C010-H0	1/6W-10 Ω -J
RV02	467-1C047-H0	1/6W-47 Ω -J
RV03	467-1C047-H0	1/6W-47 Ω -J
RV13	467-1C068-H0	1/6W-68 Ω -J
RV12	467-1C068-H0	1/6W-68 Ω -J
RV04	467-1C118-H0	1/6W-180 Ω -J
RV09	467-1C118-H0	1/6W-180 Ω -J
RV16	467-1C127-H0	1/6W-270 Ω -J
RV21	467-1C127-H0	1/6W-270 Ω -J
RV33	467-1C130-H0	1/6W-300 Ω -J
RV36	467-1C182-H0	1/6W-820 Ω -J
RV06	467-1C210-H0	1/6W-1K-J
RV10	467-1C224-H0	1/6W-2.4K-J
RV35	467-1C239-H0	1/6W-3.9K-J
RV08	467-1C247-H0	1/6W-4.7K-J
RV05	467-1C282-H0	1/6W-8.2K-J
RV07	467-1C310-H0	1/6W-10K-J
RV11	467-1C310-H0	1/6W-10K-J
RV34	467-1C312-H0	1/6W-12K-J
RV17	467-1C315-H0	1/6W-15K-J
RV18	467-1C315-H0	1/6W-15K-J
RV28	467-1C110-H0	1/6W-100 Ω -J
RV23	467-1C210-H0	1/6W-1K-J
RV25	467-1C210-H0	1/6W-1K-J
RV26	467-1C210-H0	1/6W-1K-J

SYMBOL	PART NO.	DESCRIPTION
RV27	467-1C210-H0	1/6W-1K-J
RV24	467-1C256-H0	1/6W-5.6K-J
METAL RESISTOR		
RV14	467-2E010-H0	1/2W-10 Ω -JL
RV20	467-2E010-H0	1/2W-10 Ω -JL
RV22	467-2F112-H0	1W-120 Ω -JL
RV01	467-2F133-H0	1W-330 Ω -JL
RV29	467-2F047-H0C	1W-47 Ω -JL
INDUCTANCE WITH COLOUR CODES		
LV02	471-2110K-A0	SP0203-100uH-K
LV01	471-2110K-A0	SP0203-100uH-K
POWER FILTER		
TV01	477-20056-00	LCL-25

DIGITAL PROCESSING BOARD

SYMBOL	PART NO.	DESCRIPTION
	782-T3460-6900	DIGITAL PROCESSING PCB
CRYSTAL		
XD1	329-61003-00	HC-49/US 10.000MHZ
XD2	329-62001-00	CAST5 20.25MHZ
SMD IC		
UD7	353-11170-10	B1117N-2.5
UD6	353-11170-20	AS1117M-3.3
UD4	353-11170-20	AS1117M-3.3
UD5	353-11170-20	AS1117M-3.3
UD1	353-12350-20	* PW1235
UD8	353-32300-80	VPC3230D
UD2	353-64163-20	K4S641632E-TC70
UD3	353-98830-10	* MST9883B
SMD RESISTOR		
RP11	455-10110-H9	NCA4R101JR
RP10	455-10110-H9	NCA4R101JR
RP9	455-10110-H9	NCA4R101JR
RP8	455-10110-H9	NCA4R101JR
RP7	455-10110-H9	NCA4R101JR
RP6	455-10110-H9	NCA4R101JR
RP5	455-10110-H9	NCA4R101JR
RP4	455-10110-H9	NCA4R101JR
RP3	455-10110-H9	NCA4R101JR
RP2	455-10110-H9	NCA4R101JR
RP1	455-10110-H9	NCA4R101JR
RD35	455-12000-H0	FTR0603000XR

SYMBOL	PART NO.	DESCRIPTION
RD27	455-12000-H0	FTR0603000XR
RD28	455-12000-H0	FTR0603000XR
R3	455-12075-H0	FTR0603750JR
R4	455-12075-H0	FTR0603750JR
R5	455-12075-H0	FTR0603750JR
R7	455-12075-H0	FTR0603750JR
R8	455-12075-H0	FTR0603750JR
RD10	455-12075-H0	FTR0603750JR
RD8	455-12075-H0	FTR0603750JR
RD6	455-12075-H0	FTR0603750JR
RD43	455-12110-H0	FTR0603101JR
RD40	455-12110-H0	FTR0603101JR
RD39	455-12110-H0	FTR0603101JR
RD37	455-12110-H0	FTR0603101JR
RD36	455-12110-H0	FTR0603101JR
RD20	455-12110-H0	FTR0603101JR
RD3	455-12110-H0	FTR0603101JR
RD2	455-12110-H0	FTR0603101JR
RD25	455-12110-H0	FTR0603101JR
RD24	455-12110-H0	FTR0603101JR
RD18	455-12110-H0	FTR0603101JR
RD13	455-12110-H0	FTR0603101JR
RD12	455-12110-H0	FTR0603101JR
RD38	455-12110-H0	FTR0603101JR
RD23	455-12168-H0	FTR0603681JR
RD22	455-12168-H0	FTR0603681JR
RD4	455-12210-H0	FTR0603102JR
RD21	455-12227-H0	FTR0603272JR
RD16	455-12310-H0	FTR0603103JR
RD9	455-12310-H0	FTR0603103JR
RD5	455-12310-H0	FTR0603103JR
RD26	455-12310-H0	FTR0603103JR
RD15	455-12310-H0	FTR0603103JR
RD14	455-12310-H0	FTR0603103JR
RD1	455-12522-H0	FTR0603225JR
R1	455-12115-H0	FTR0603151JR
R2	455-12115-H0	FTR0603151JR
R6	455-12115-H0	FTR0603151JR
SMD CAPACITOR		
CD164	456-2368K-B1	06032R683K250BA
CD163	456-2368K-B1	06032R683K250BA
CD160	456-2368K-B1	06032R683K250BA
CD96	456-2410M-C1	06032E104M250BA

SYMBOL	PART NO.	DESCRIPTION
CD82	456-2410M-C1	06032E104M250BA
CD120	456-2410M-C1	06032E104M250BA
CD152	456-2410M-C1	06032E104M250BA
CD138	456-2410M-C1	06032E104M250BA
CD125	456-2410M-C1	06032E104M250BA
CD124	456-2410M-C1	06032E104M250BA
CD103	456-2410M-C1	06032E104M250BA
CD98	456-2410M-C1	06032E104M250BA
CD83	456-2410M-C1	06032E104M250BA
CD67	456-2410M-C1	06032E104M250BA
CD65	456-2410M-C1	06032E104M250BA
CD61	456-2410M-C1	06032E104M250BA
CD50	456-2410M-C1	06032E104M250BA
CD45	456-2410M-C1	06032E104M250BA
CD44	456-2410M-C1	06032E104M250BA
CD41	456-2410M-C1	06032E104M250BA
CD38	456-2410M-C1	06032E104M250BA
CD37	456-2410M-C1	06032E104M250BA
CD36	456-2410M-C1	06032E104M250BA
CD35	456-2410M-C1	06032E104M250BA
CD34	456-2410M-C1	06032E104M250BA
CD33	456-2410M-C1	06032E104M250BA
CD32	456-2410M-C1	06032E104M250BA
CD26	456-2410M-C1	06032E104M250BA
CD24	456-2410M-C1	06032E104M250BA
CD23	456-2410M-C1	06032E104M250BA
CD16	456-2410M-C1	06032E104M250BA
CD15	456-2410M-C1	06032E104M250BA
CD10	456-2410M-C1	06032E104M250BA
CD9	456-2410M-C1	06032E104M250BA
CD1	456-2410M-C1	06032E104M250BA
CD51	456-2410M-C1	06032E104M250BA
CD78	456-2410M-C1	06032E104M250BA
CD142	456-2410M-C1	06032E104M250BA
CD47	456-2410M-C1	06032E104M250BA
CD84	456-2410M-C1	06032E104M250BA
CD79	456-2410M-C1	06032E104M250BA
CD77	456-2410M-C1	06032E104M250BA
CD75	456-2410M-C1	06032E104M250BA
CD63	456-2410M-C1	06032E104M250BA
CD62	456-2410M-C1	06032E104M250BA
CD27	456-2410M-C1	06032E104M250BA
CD80	456-2410M-C1	06032E104M250BA

SYMBOL	PART NO.	DESCRIPTION
CD69	456-2410M-C1	06032E104M250BA
CD49	456-2410M-C1	06032E104M250BA
CD40	456-2410M-C1	06032E104M250BA
CD39	456-2410M-C1	06032E104M250BA
CD22	456-2410M-C1	06032E104M250BA
CD21	456-2410M-C1	06032E104M250BA
CD19	456-2410M-C1	06032E104M250BA
CD18	456-2410M-C1	06032E104M250BA
CD17	456-2410M-C1	06032E104M250BA
CD14	456-2410M-C1	06032E104M250BA
CD11	456-2410M-C1	06032E104M250BA
CD2	456-2410M-C1	06032E104M250BA
CD66	456-2410M-C1	06032E104M250BA
CD52	456-2410M-C1	06032E104M250BA
CD68	456-2410M-C1	06032E104M250BA
CD58	456-2410M-C1	06032E104M250BA
CD57	456-2410M-C1	06032E104M250BA
CD56	456-2410M-C1	06032E104M250BA
CD55	456-2410M-C1	06032E104M250BA
CD54	456-2410M-C1	06032E104M250BA
CD53	456-2410M-C1	06032E104M250BA
CD48	456-2410M-C1	06032E104M250BA
CD43	456-2410M-C1	06032E104M250BA
CD153	456-2410M-C1	06032E104M250BA
CD117	456-2410M-C1	06032E104M250BA
CD107	456-2410M-C1	06032E104M250BA
CD105	456-2410M-C1	06032E104M250BA
CD100	456-2410M-C1	06032E104M250BA
CD81	456-2410M-C1	06032E104M250BA
CD76	456-2410M-C1	06032E104M250BA
CD70	456-2410M-C1	06032E104M250BA
CD64	456-2410M-C1	06032E104M250BA
CD46	456-2410M-C1	06032E104M250BA
CD42	456-2410M-C1	06032E104M250BA
CD31	456-2410M-C1	06032E104M250BA
CD30	456-2410M-C1	06032E104M250BA
CD29	456-2410M-C1	06032E104M250BA
CD28	456-2410M-C1	06032E104M250BA
CD25	456-2410M-C1	06032E104M250BA
CD20	456-2410M-C1	06032E104M250BA
CD13	456-2410M-C1	06032E104M250BA
CD12	456-2410M-C1	06032E104M250BA
CD155	456-2410M-C1	06032E104M250BA

SYMBOL	PART NO.	DESCRIPTION
CD8	456-2410M-C1	06032E104M250BA
CD189	456-2422M-C1	06032E224M250BA
CD190	456-2422M-C1	06032E224M250BA
CD192	456-2422M-C1	06032E224M250BA
CD158	456-2422M-C1	06032E224M250BA
CD137	456-2422M-C1	06032E224M250BA
CD130	456-2422M-C1	06032E224M250BA
CD143	456-2422M-C1	06032E224M250BA
CD212	456-2468R-C2	08052E684Z250BA
CD134	456-2468R-C2	08052E684Z250BA
CD151	456-3015H-11	0603CG150J500BA
CD150	456-3015H-11	0603CG150J500BA
CD5	456-3022H-11	C1608CH1H220JT
CD4	456-3022H-11	C1608CH1H220JT
CD7	456-3022H-11	C1608CH1H220JT
CD6	456-3022H-11	C1608CH1H220JT
CD127	456-3110H-11	C1608CH1H101JT
CD101	456-3110H-11	C1608CH1H101JT
CD111	456-3110H-11	C1608CH1H101JT
CD115	456-3110H-11	C1608CH1H101JT
CD114	456-3110H-11	C1608CH1H101JT
CD110	456-3110H-11	C1608CH1H101JT
CD129	456-3110H-11	C1608CH1H101JT
CD162	456-3133H-11	C1608CH1H331JT
C1	456-3133H-11	C1608CH1H331JT
C2	456-3133H-11	C1608CH1H331JT
C3	456-3133H-11	C1608CH1H331JT
CD147	456-3139H-11	0603CG391J500BA
CD135	456-3139H-11	0603CG391J500BA
CD132	456-3139H-11	0603CG391J500BA
CD133	456-3210H-11	0603CG102J500BA
CD73	456-3210H-11	0603CG102J500BA
CD157	456-3215K-B1	06032R152K500BA
CD136	456-3215K-B1	06032R152K500BA
CD159	456-3215K-B1	06032R152K500BA
CD144	456-3215K-B1	06032R152K500BA
CD131	456-3215K-B1	06032R152K500BA
CD59	456-3282K-B2	C2012X7R1H822KT
CD161	456-3347H-B1	06032R473J500BA
CD156	456-3347H-B1	06032R473J500BA
CD148	456-3347H-B1	06032R473J500BA
CD146	456-3347H-B1	06032R473J500BA
CD74	456-3347H-B1	06032R473J500BA

SYMBOL	PART NO.	DESCRIPTION
CD72	456-3347H-B1	06032R473J500BA
CD71	456-3347H-B1	06032R473J500BA
CD60	456-3382H-11	0603CG823J500BA
SMD INDUCTANCE		
L1	474-14A33-M0	SGMI3216M3R3MT
L2	474-14A33-M0	SGMI3216M3R3MT
L3	474-14A33-M0	SGMI3216M3R3MT
INDUCTANCE WITH COLOUR CODES		
LD9	471-2A47K-00	SPT0305-4R7K-5
LD8	471-2A47K-00	SPT0305-4R7K-5
LD4	471-2A47K-00	SPT0305-4R7K-5
LD2	471-2A47K-00	SPT0305-4R7K-5
LD12	471-2010K-00	SPT0305-100K-5
LD11	471-2010K-00	SPT0305-100K-5
LD5	471-2010K-00	SPT0305-100K-5
LD10	471-2010K-00	SPT0305-100K-5
LD13	471-2010K-00	SPT0305-100K-5
LD6	471-2010K-10	*
ELECTROLYTIC CAPACITOR		
CD126	464-6C710-M0	CD110-10V-100uF-M
CD128	464-6C710-M0	CD110-10V-100uF-M
CD154	464-6D647-M0	CD110-16V-47uF-M
CD141	464-6D647-M0	CD110-16V-47uF-M
CD140	464-6D647-M0	CD110-16V-47uF-M
CD139	464-6D647-M0	CD110-16V-47uF-M
CD123	464-6D647-M0	CD110-16V-47uF-M
CD122	464-6D647-M0	CD110-16V-47uF-M
CD118	464-6D647-M0	CD110-16V-47uF-M
CD116	464-6D647-M0	CD110-16V-47uF-M
CD106	464-6D647-M0	CD110-16V-47uF-M
CD104	464-6D647-M0	CD110-16V-47uF-M
CD102	464-6D647-M0	CD110-16V-47uF-M
CD99	464-6D647-M0	CD110-16V-47uF-M
CD97	464-6D647-M0	CD110-16V-47uF-M
CD95	464-6D647-M0	CD110-16V-47uF-M
CD113	464-6D647-M0	CD110-16V-47uF-M
CD149	464-6D647-M0	CD110-16V-47uF-M
CD145	464-6D647-M0	CD110-16V-47uF-M
CD3	464-6D647-M0	CD110-16V-47uF-M
CD108	464-6D647-M0	CD110-16V-47uF-M
	464-6D647-M0	CD110-16V-47uF-M
CERAMIC CAPACITOR		
	459-2410R-00	DD308-63F104Z50

SYMBOL	PART NO.	DESCRIPTION
THIN-FILM CAPACITOR		
	462-B0447-H0	CL21X-50V-0.47uF-J

REAR AV BOARD

SYMBOL	PART NO.	DESCRIPTION
	782-T3461-2900	REAR AV PCB
SMD RESISTOR		
RA52	455-12110-H0	FTR0603101JR
RA51	455-12110-H0	FTR0603101JR
RA53	455-12110-H0	FTR0603101JR
RA10	455-12110-H0	FTR0603101JR
RA23	455-12110-H0	FTR0603101JR
RA27	455-12110-H0	FTR0603101JR
RA21	455-12110-H0	FTR0603101JR
RA25	455-12110-H0	FTR0603101JR
RA29	455-12110-H0	FTR0603101JR
RA01	455-12110-H0	FTR0603101JR
RA07	455-12110-H0	FTR0603101JR
RA12	455-12110-H0	FTR0603101JR
RA11	455-12110-H0	FTR0603101JR
RA65	455-12410-H0	FTR0603104JR
RA63	455-12410-H0	FTR0603104JR
RA75	455-12410-H0	FTR0603104JR
RA77	455-12410-H0	FTR0603104JR
RA70	455-12410-H0	FTR0603104JR
RA68	455-12410-H0	FTR0603104JR
RA61	455-12410-H0	FTR0603104JR
RA72	455-12410-H0	FTR0603104JR
RA41	455-12410-H0	FTR0603104JR
RA42	455-12410-H0	FTR0603104JR
RA34	455-12410-H0	FTR0603104JR
RA37	455-12410-H0	FTR0603104JR
RA36	455-12410-H0	FTR0603104JR
RA39	455-12410-H0	FTR0603104JR
RA02	455-12410-H0	FTR0603104JR
RA04	455-12410-H0	FTR0603104JR
RA05	455-12410-H0	FTR0603104JR
RA32	455-12410-H0	FTR0603104JR
RA80	455-12115-H0	FTR0603151JR
RA74	455-12315-H0	FTR0603153JR
RA79	455-12315-H0	FTR0603153JR
RA57	455-12315-H0	FTR0603153JR

SYMBOL	PART NO.	DESCRIPTION
RA56	455-12315-H0	FTR0603153JR
RA54	455-12315-H0	FTR0603153JR
RA55	455-12315-H0	FTR0603153JR
RA16	455-12122-H0	FTR0603221JR
RA15	455-12122-H0	FTR0603221JR
RA17	455-12122-H0	FTR0603221JR
RA13	455-12122-H0	FTR0603221JR
RA14	455-12122-H0	FTR0603221JR
RA18	455-12122-H0	FTR0603221JR
RA50	455-12233-H0	FTR0603332JR
RA49	455-12233-H0	FTR0603332JR
RA59	455-12333-H0	FTR0603333JR
RA58	455-12333-H0	FTR0603333JR
RA73	455-12333-H0	FTR0603333JR
RA78	455-12333-H0	FTR0603333JR
RA76	455-12333-H0	FTR0603333JR
RA81	455-12339-H0	FTR0603393JR
RA64	455-12247-H0	FTR0603472JR
RA62	455-12247-H0	FTR0603472JR
RA60	455-12247-H0	FTR0603472JR
RA67	455-12247-H0	FTR0603472JR
RA71	455-12247-H0	FTR0603472JR
RA69	455-12247-H0	FTR0603472JR
RA38	455-12247-H0	FTR0603472JR
RA33	455-12247-H0	FTR0603472JR
RA40	455-12247-H0	FTR0603472JR
RA35	455-12247-H0	FTR0603472JR
RA03	455-12247-H0	FTR0603472JR
RA83	455-12247-H0	FTR0603472JR
RA84	455-12247-H0	FTR0603472JR
RA85	455-12247-H0	FTR0603472JR
RA86	455-12247-H0	FTR0603472JR
RA87	455-12247-H0	FTR0603472JR
RA82	455-12143-H0	FTR0603431JR
RA24	455-12256-H0	FTR0603562JR
RA19	455-12256-H0	FTR0603562JR
RA06	455-12256-H0	FTR0603562JR
CA96	455-12075-H0	FTR0603750JR
CA100	455-12075-H0	FTR0603750JR
CA98	455-12075-H0	FTR0603750JR
RA22	455-12075-H0	FTR0603750JR
RA28	455-12075-H0	FTR0603750JR
RA26	455-12075-H0	FTR0603750JR

SYMBOL	PART NO.	DESCRIPTION
RA30	455-12075-H0	FTR0603750JR
RA31	455-12075-H0	FTR0603750JR
RA09	455-12082-H0	FTR0603820JR
RA20	455-12082-H0	FTR0603820JR
RA08	455-12082-H0	FTR0603820JR
RA43	455-12115-H0	FTR0603151JR
RA44	455-12115-H0	FTR0603151JR
RA45	455-12115-H0	FTR0603151JR
RA46	455-12115-H0	FTR0603151JR
RA47	455-12115-H0	FTR0603151JR
RA48	455-12115-H0	FTR0603151JR
RA88	455-12075-H0	FTR0603750JR
RA89	455-12075-H0	FTR0603750JR
RA90	455-12075-H0	FTR0603750JR

SMD CAPACITOR

CA43	456-3010D-12	C2012CH1H100DT
CA42	456-3010D-12	C2012CH1H100DT
CA47	456-3010D-12	C2012CH1H100DT
CA46	456-3010D-12	C2012CH1H100DT
CA51	456-3010D-12	C2012CH1H100DT
CA50	456-3010D-12	C2012CH1H100DT
CA41	456-3010D-12	C2012CH1H100DT
CA40	456-3010D-12	C2012CH1H100DT
CA45	456-3010D-12	C2012CH1H100DT
CA44	456-3010D-12	C2012CH1H100DT
CA49	456-3010D-12	C2012CH1H100DT
CA48	456-3010D-12	C2012CH1H100DT
CA156	456-2110H-11	* 0603CG101J250BA
CA136	456-2110H-11	* 0603CG101J250BA
CA124	456-2110H-11	* 0603CG101J250BA
CA125	456-2110H-11	* 0603CG101J250BA
CA114	456-2110H-11	* 0603CG101J250BA
CA112	456-2110H-11	* 0603CG101J250BA
CA110	456-2110H-11	* 0603CG101J250BA
CA108	456-2110H-11	* 0603CG101J250BA
CA117	456-2110H-11	* 0603CG101J250BA
CA122	456-2110H-11	* 0603CG101J250BA
CA91	456-2110H-11	* 0603CG101J250BA
CA92	456-2110H-11	* 0603CG101J250BA
CA154	456-2110H-11	* 0603CG101J250BA
CA153	456-2110H-11	* 0603CG101J250BA
CA152	456-2110H-11	* 0603CG101J250BA
CA148	456-2210H-11	* 0603CG102J250BA

SYMBOL	PART NO.	DESCRIPTION
CA147	456-2210H-11	* 0603CG102J250BA
CA70	456-2210H-11	* 0603CG102J250BA
CA151	456-2210H-11	* 0603CG102J250BA
CA149	456-2210H-11	* 0603CG102J250BA
CA146	456-2210H-11	* 0603CG102J250BA
CA150	456-2210H-11	* 0603CG102J250BA
CA38	456-2210H-11	* 0603CG102J250BA
CA39	456-2210H-11	* 0603CG102J250BA
CA83	456-2210H-11	* 0603CG102J250BA
CA82	456-2210H-11	* 0603CG102J250BA
CA62	456-2210H-11	* 0603CG102J250BA
CA63	456-2210H-11	* 0603CG102J250BA
CA06	456-2210H-11	* 0603CG102J250BA
CA22	456-2210H-11	* 0603CG102J250BA
CA34	456-2210H-11	* 0603CG102J250BA
CA36	456-2210H-11	* 0603CG102J250BA
CA35	456-2210H-11	* 0603CG102J250BA
CA37	456-2210H-11	* 0603CG102J250BA
CA01	456-2210H-11	* 0603CG102J250BA
CA02	456-2210H-11	* 0603CG102J250BA
CA05	456-2210H-11	* 0603CG102J250BA
CA109	456-2310R-C1	06032E103Z250BA
CA13	456-2310R-C1	06032E103Z250BA
CA15	456-2310R-C1	06032E103Z250BA
CA85	456-2310R-C1	06032E103Z250BA
CA77	456-2310R-C1	06032E103Z250BA
CA07	456-2310R-C1	06032E103Z250BA
CA23	456-2310R-C1	06032E103Z250BA
CA04	456-2310R-C1	06032E103Z250BA
CA119	456-2310R-C1	06032E103Z250BA
CA155	456-2410M-C1	06032E104M250BA
CA128	456-2410M-C1	06032E104M250BA
CA152	456-2410M-C1	06032E104M250BA
CA132	456-2410M-C1	06032E104M250BA
CA34	456-2410M-C1	06032E104M250BA
CA135	456-2410M-C1	06032E104M250BA
CA94	456-2410M-C1	06032E104M250BA
CA106	456-2410M-C1	06032E104M250BA
CA104	456-2410M-C1	06032E104M250BA
CA102	456-2410M-C1	06032E104M250BA
CA121	456-2410M-C1	06032E104M250BA
CA71	456-2410M-C1	06032E104M250BA
CA68	456-2410M-C1	06032E104M250BA

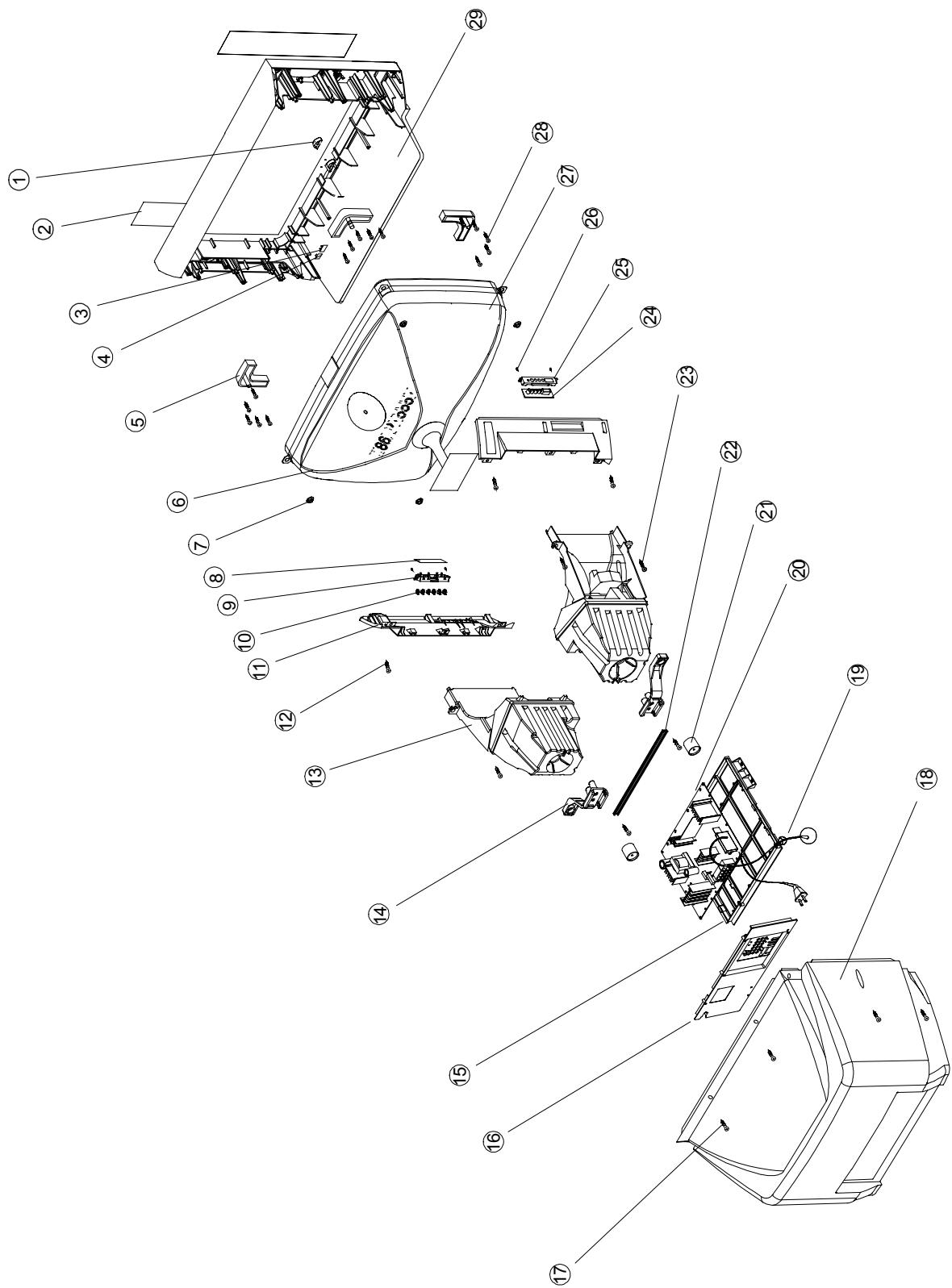
SYMBOL	PART NO.	DESCRIPTION
CA66	456-2410M-C1	06032E104M250BA
CA64	456-2410M-C1	06032E104M250BA
CA139	456-2410M-C1	06032E104M250BA
CA84	456-2410M-C1	06032E104M250BA
CA81	456-2410M-C1	06032E104M250BA
CA12	456-2410M-C1	06032E104M250BA
CA17	456-2410M-C1	06032E104M250BA
CA111	456-2410M-C1	06032E104M250BA
CA123	456-2410M-C1	06032E104M250BA
CA107	456-2410M-C1	06032E104M250BA
CA127	456-2410M-C1	06032E104M250BA
CA130	456-2410M-C1	06032E104M250BA
CA126	456-2410M-C1	06032E104M250BA
CA60	456-2510R-C2	08052E105Z250BA
CA61	456-2510R-C2	08052E105Z250BA
CA142	456-2510R-C2	08052E105Z250BA
CA141	456-2510R-C2	08052E105Z250BA
CA140	456-2510R-C2	08052E105Z250BA
CA145	456-2510R-C2	08052E105Z250BA
CA144	456-2510R-C2	08052E105Z250BA
CA143	456-2510R-C2	08052E105Z250BA
CA59	456-2510R-C2	08052E105Z250BA
CA58	456-2510R-C2	08052E105Z250BA
CA24	456-2510R-C2	08052E105Z250BA
CA28	456-2510R-C2	08052E105Z250BA
CA25	456-2510R-C2	08052E105Z250BA
CA29	456-2510R-C2	08052E105Z250BA
CA31	456-2510R-C2	08052E105Z250BA
CA30	456-2510R-C2	08052E105Z250BA
CA33	456-2510R-C2	08052E105Z250BA
CA32	456-2510R-C2	08052E105Z250BA
CA26	456-2510R-C2	08052E105Z250BA
CA27	456-2510R-C2	08052E105Z250BA
CA09	456-2510R-C2	08052E105Z250BA
CA08	456-2510R-C2	08052E105Z250BA
CA10	456-2510R-C2	08052E105Z250BA
CA03	456-2510R-C2	08052E105Z250BA
CA18	456-2510R-C2	08052E105Z250BA
CA55	456-2510R-C2	08052E105Z250BA
CA57	456-2510R-C2	08052E105Z250BA
CA54	456-2510R-C2	08052E105Z250BA
CA56	456-2510R-C2	08052E105Z250BA
CA73	456-2215K-B1	06032R152K250BA

SYMBOL	PART NO.	DESCRIPTION
CA89	456-2215K-B1	06032R152K250BA
CA79	456-3001C-11	0603CG010C500BA
CA78	456-3001C-11	0603CG010C500BA
CA95	456-2110H-11	* 0603CG101J250BA
CA97	456-2110H-11	* 0603CG101J250BA
CA99	456-2110H-11	* 0603CG101J250BA
CA87	456-2122H-11	* 0603CG221J250BA
CA74	456-2147H-11	* 0603CG471J250BA
CA86	456-2147H-11	* 0603CG471J250BA
CA76	456-3056H-11	0603CG560J500BA
CA157	456-3022H-11	C1608CH1H220JT
CA158	456-3022H-11	C1608CH1H220JT
CA159	456-3022H-11	C1608CH1H220JT
SMD DIODE		
DA1	340-00001-0S	LL4148
DA2	340-00001-0S	LL4148
DA6	340-00001-0S	LL4148
DA4	340-00001-0S	LL4148
DA8	340-00001-0S	LL4148
DA5	340-00001-0S	LL4148
DA3	340-00001-0S	LL4148
DA7	340-00001-0S	LL4148
SMD TRANSISTOR		
VA08	342-08470-90	BC847AW
VA09	342-08470-90	BC847AW
VA07	342-08470-90	BC847AW
VA06	342-08470-90	BC847AW
VA01	342-08470-90	BC847AW
VA02	342-08470-90	BC847AW
VA03	342-08470-90	BC847AW
VA10	342-08570-90	BC857 AW
VA09	342-08570-90	BC857 AW
VA04	342-01110-00	*BSH111
VA05	342-01110-00	*BSH111
SMD INDUCTANCE		
LA34	474-12A22-K0	STLI2012-2R2KT
LA36	474-12A22-K0	STLI2012-2R2KT
LA38	474-12A22-K0	STLI2012-2R2KT
LA33	474-12A22-K0	STLI2012-2R2KT
LA35	474-12A22-K0	STLI2012-2R2KT
LA37	474-12A22-K0	STLI2012-2R2KT
LA02	474-12A47-K0	STLI2012-4R7KT
LA03	474-12A47-K0	STLI2012-4R7KT

SYMBOL	PART NO.	DESCRIPTION
LA04	474-12A47-K0	STLI2012-4R7KT
LA14	474-14010-K0	SGMI3216K100KT
LA15	474-14010-K0	SGMI3216K100KT
LA23	474-14010-K0	SGMI3216K100KT
LA22	474-14010-K0	SGMI3216K100KT
LA40	474-14010-K0	SGMI3216K100KT
LA39	474-14010-K0	SGMI3216K100KT
LA13	474-12A22-K0	STLI2012-2R2KT
LA12	474-12A22-K0	STLI2012-2R2KT
LA11	474-12A22-K0	STLI2012-2R2KT
LA10	474-12A22-K0	STLI2012-2R2KT
LA08	474-12A22-K0	STLI2012-2R2KT
LA07	474-12A22-K0	STLI2012-2R2KT
LA06	474-12A22-K0	STLI2012-2R2KT
LA05	474-12A22-K0	STLI2012-2R2KT
LA09	474-12A22-K0	STLI2012-2R2KT
SMD ELECTROLYTIC CAPACITOR		
CA93	454-26610-M5	7343-25V-10uF-M
CA115	454-23647-M3	CA45-10V-47uF-M-C
CA116	454-04622-MB	CDPS-16V-22uF-M
SMD IC		
NA04	353-11170-20	AS1117M-3.3
NA09	353-24160-60	* 24LC16BSN
NA07	353-40520-80	HEF4052BT
NA01	353-20890-80	CXA2089Q
NA05	353-03300-20	*PI5V330W
NA06	353-03300-20	*PI5V330W
NA02	353-09070-10	* SIL 907BCQ52
ELECTROLYTIC CAPACITOR		
CA138	464-6C710-M0	CD110-10V-100uF-M
CA75	464-6C710-M0	CD110-10V-100uF-M
CA19	464-6C710-M0	CD110-10V-100uF-M
CA14	464-6C710-M0	CD110-10V-100uF-M
CA131	464-6C710-M0	CD110-10V-100uF-M
CA118	464-6D610-M0	CD110-16V-10uF-M
CA101	464-6D610-M0	CD110-16V-10uF-M
CA103	464-6D610-M0	CD110-16V-10uF-M
CA105	464-6D610-M0	CD110-16V-10uF-M
CA120	464-6D610-M0	CD110-16V-10uF-M
CA113	464-6D610-M0	CD110-16V-10uF-M
CA67	464-6D610-M0	CD110-16V-10uF-M
CA72	464-6D610-M0	CD110-16V-10uF-M
CA20	464-6D610-M0	CD110-16V-10uF-M

SYMBOL	PART NO.	DESCRIPTION
CA21	464-6D610-M0	CD110-16V-10uF-M
CA65	464-6D610-M0	CD110-16V-10uF-M
CA133	464-6D610-M0	CD110-16V-10uF-M
CA137	464-6D610-M0	CD110-16V-10uF-M
INDUCTANCE WITH COLOUR CODES		
LA26	471-2010K-A0	SP0203-10uH-K
LA25	471-2010K-A0	SP0203-10uH-K
LA24	471-2010K-A0	SP0203-10uH-K
LA27	471-2010K-A0	SP0203-10uH-K
LA28	471-2010K-A0	SP0203-10uH-K
LA29	471-2010K-A0	SP0203-10uH-K
LA16	471-2010K-A0	SP0203-10uH-K
LA17	471-2010K-A0	SP0203-10uH-K
LA21	471-2010K-A0	SP0203-10uH-K
LA20	471-2010K-A0	SP0203-10uH-K
LA18	471-2010K-A0	SP0203-10uH-K
LA19	471-2010K-A0	SP0203-10uH-K
LA01	471-2022K-A0	SP0203-22uH-K
LA30	471-2022K-A0	SP0203-22uH-K
LA31	471-2022K-A0	SP0203-22uH-K
LA32	471-2022K-00	SPT0305-220K-5
CRYSTAL		
ZA01	329-61801-00	HC49US 18.432MHZ
ELECTROLYTIC CAPACITOR		
CA90	464-6D722-M0	CD110-16V-220uF-M
CA11	464-6D722-M0	CD110-16V-220uF-M
CA52	464-6D622-M0	CD110-16V-22uF-M
CA53	464-6D622-M0	CD110-16V-22uF-M
CA69	464-60533-M0	CD110-50V-3.3uF-M
CA16	464-6C747-M0	CD110-10V-470uF-M
CA129	464-6C747-M0	CD110-10V-470uF-M
CA88	464-6D647-M0	CD110-16V-47uF-M
CA80	464-6D647-M0	CD110-16V-47uF-M
IC		
NA03	352-24020-50	ST24C02CB1
NA08	352-34250-60	MSP3425G
AV SOCKET		
XA05	364-96216-00	AV6-8418A-1
XA04	364-99201-00	CKX2-8.4 AV-12
DIODE		
DA03	340-00001-00	1N4148

EXPLODED VIEW



Part list

No.	Description	Part number	No.	Description	Part number
1	Power button	877-50407-00	15	Main board frame	863-60127-U00D
2	Speaker grille	864-10164-E5A(left)	16	Rear panel	808-1B560U000
		864-10165-E5A(right)	17	Screw	851-24020-14
3	LED column	700-60148-00	18	Back cabinet	780-10689J01
4	Infrared sensor board	782-T3460-0900	19	Clasp	862-20028-00
5	CRT washer	615-10100-00	20	Main board PCB	782-T3251-010B
6	Degaussig coil	477-13701-00	21	Support block	868-20320-00
7	Component screw	648-30003-00	22	Speaker box bracket	870-20701-00
8	Button board	782-34611-050A	23	Component screw	855-85020-31
9	Button support	870-20838-00	24	Side AV board	782-T3251-2900
10	Button	877-50408-01	25	Side AV bracket	870-20949-0E1
11	Decoration piece	743-10120-0E0	26	Screw	851-53010-31
12	Screw	851-24020-14	27	CRT	335-36121-00U
13	Speaker box	615-20017-00(left)	28	Screw	851-24020-11
		615-20018-00(right)	29	Front cabinet	780-10892-00A
14	Transition piece	870-20705-00			