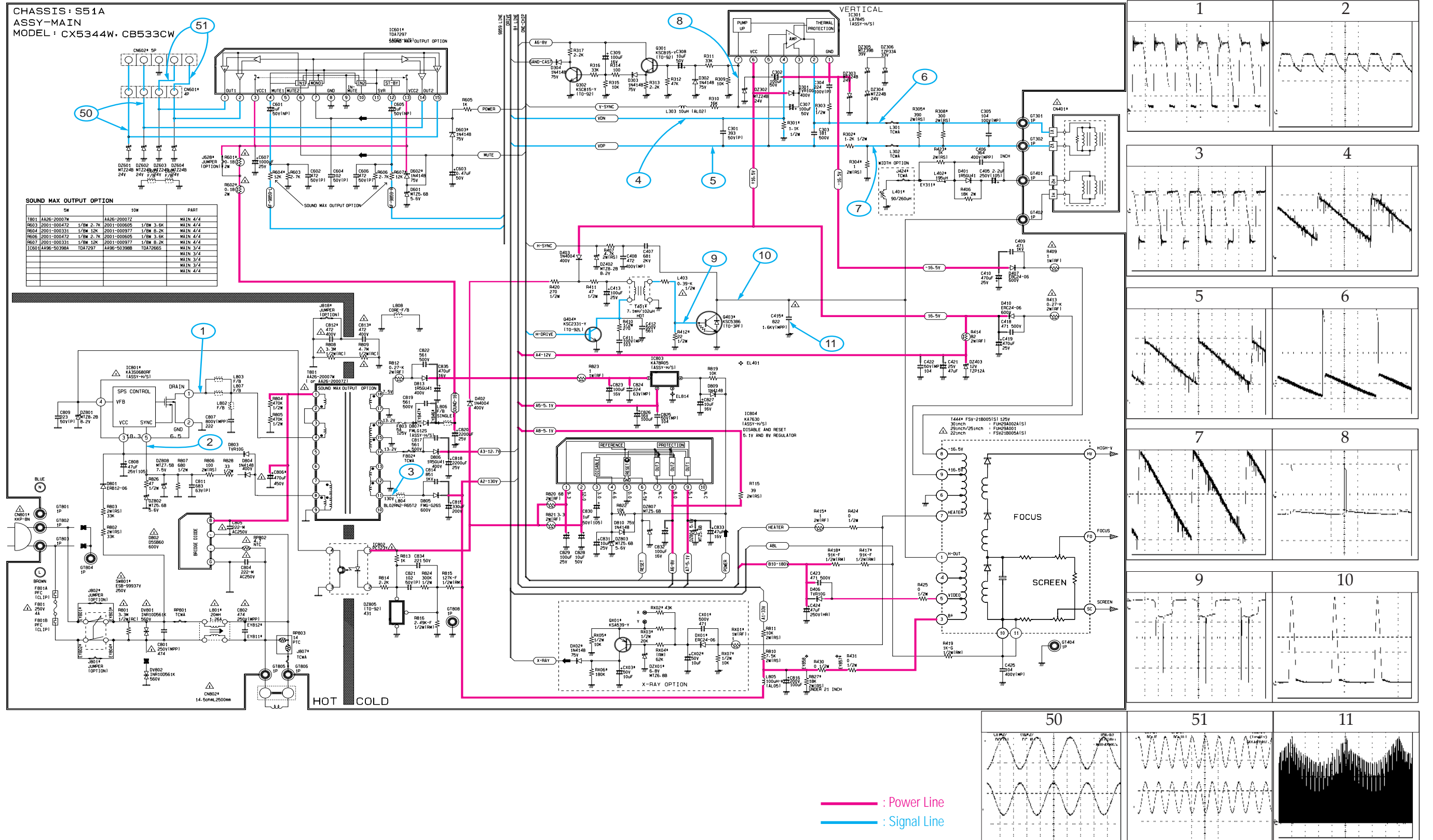


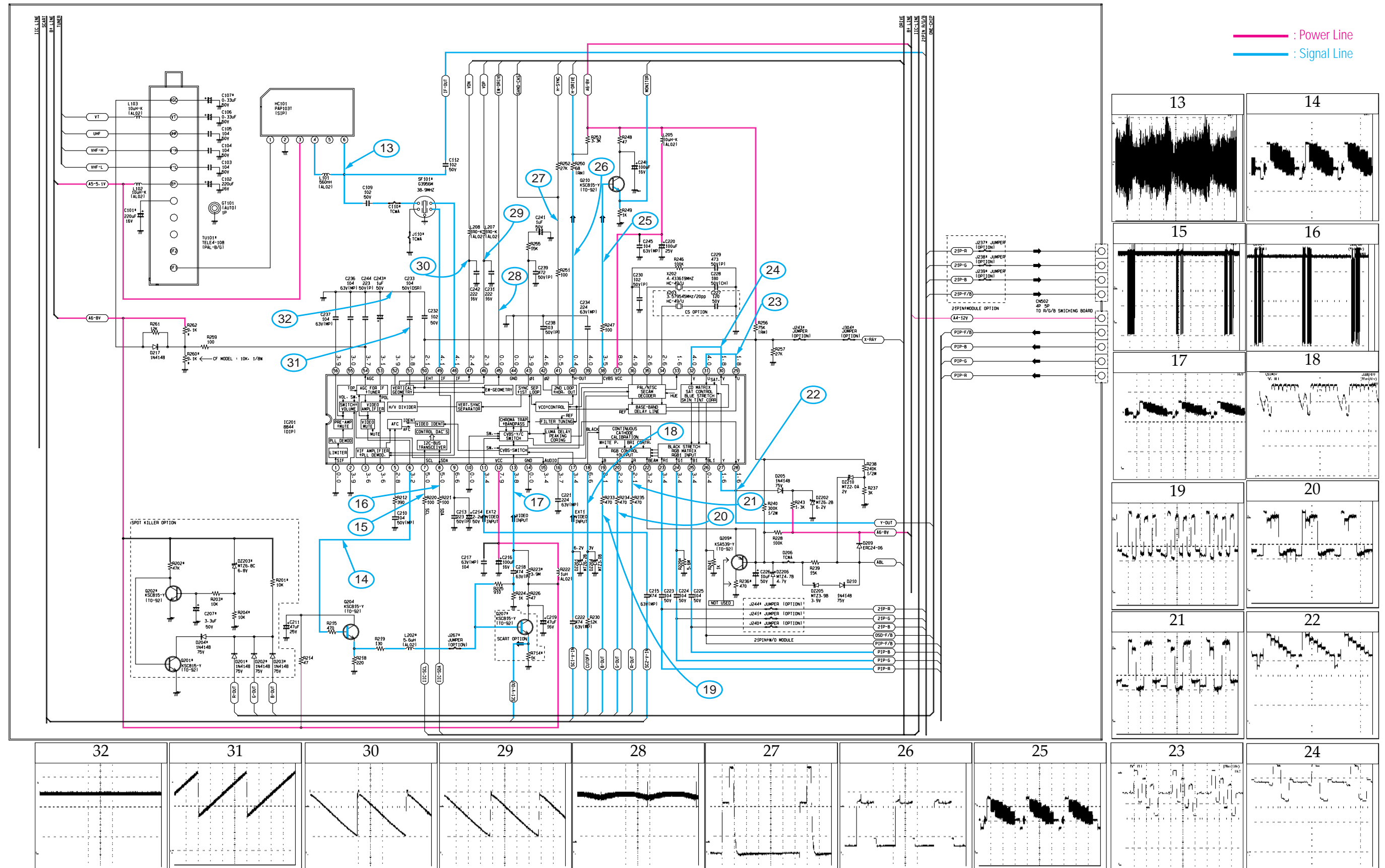
11. Schematic Diagrams

11-1 MAIN (Power 21")



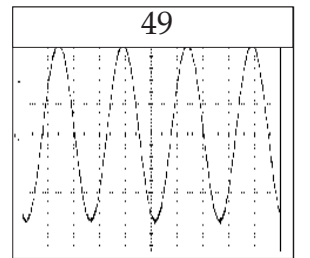
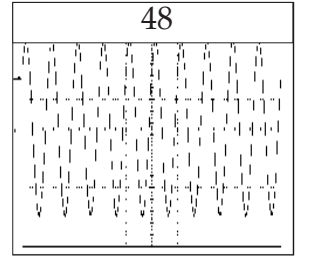
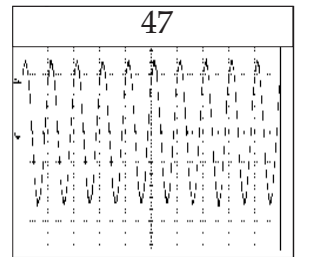
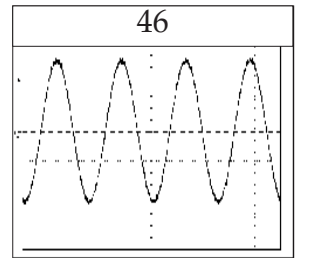
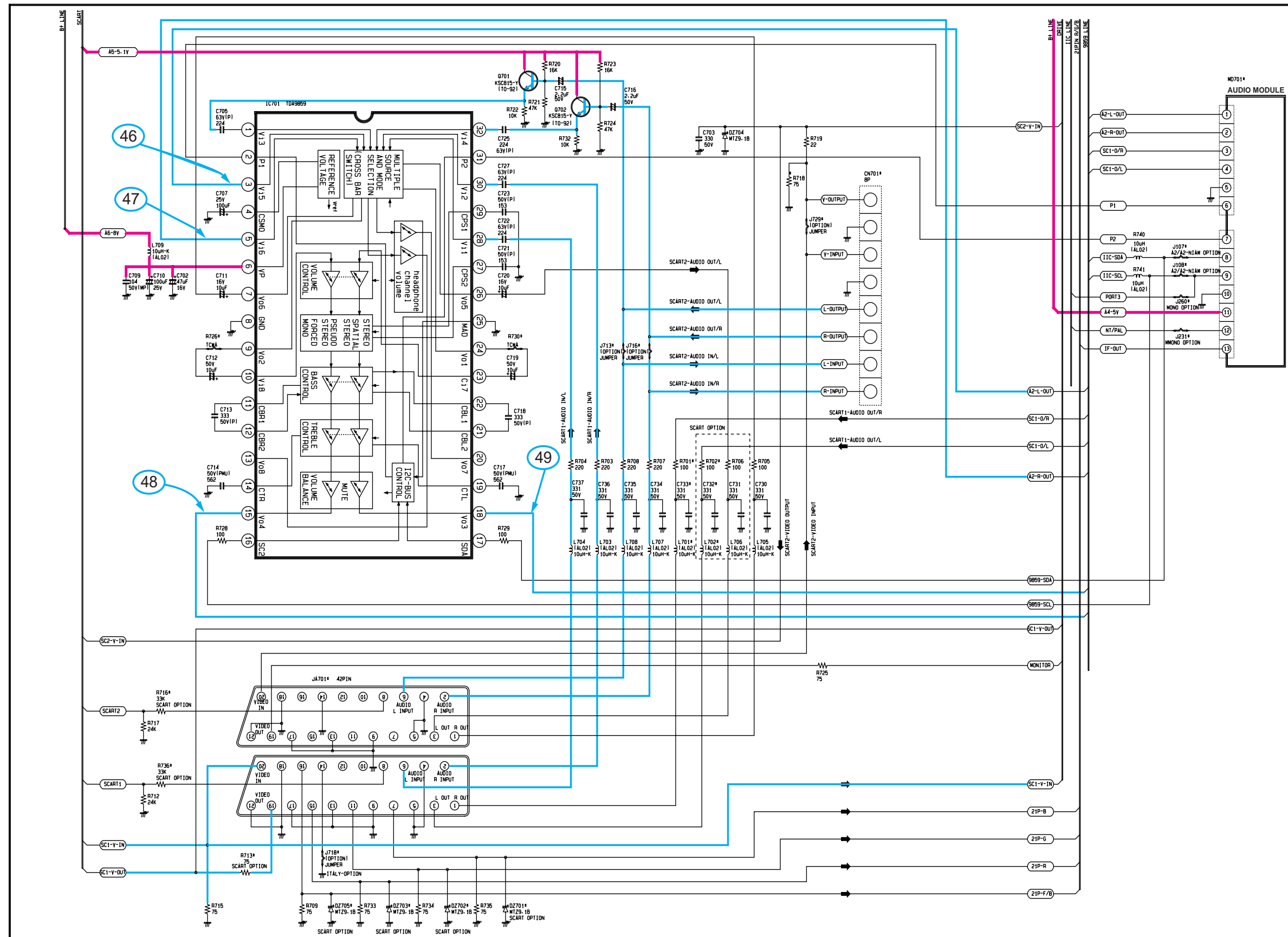


11-3 PWB MAIN (One-Chip)



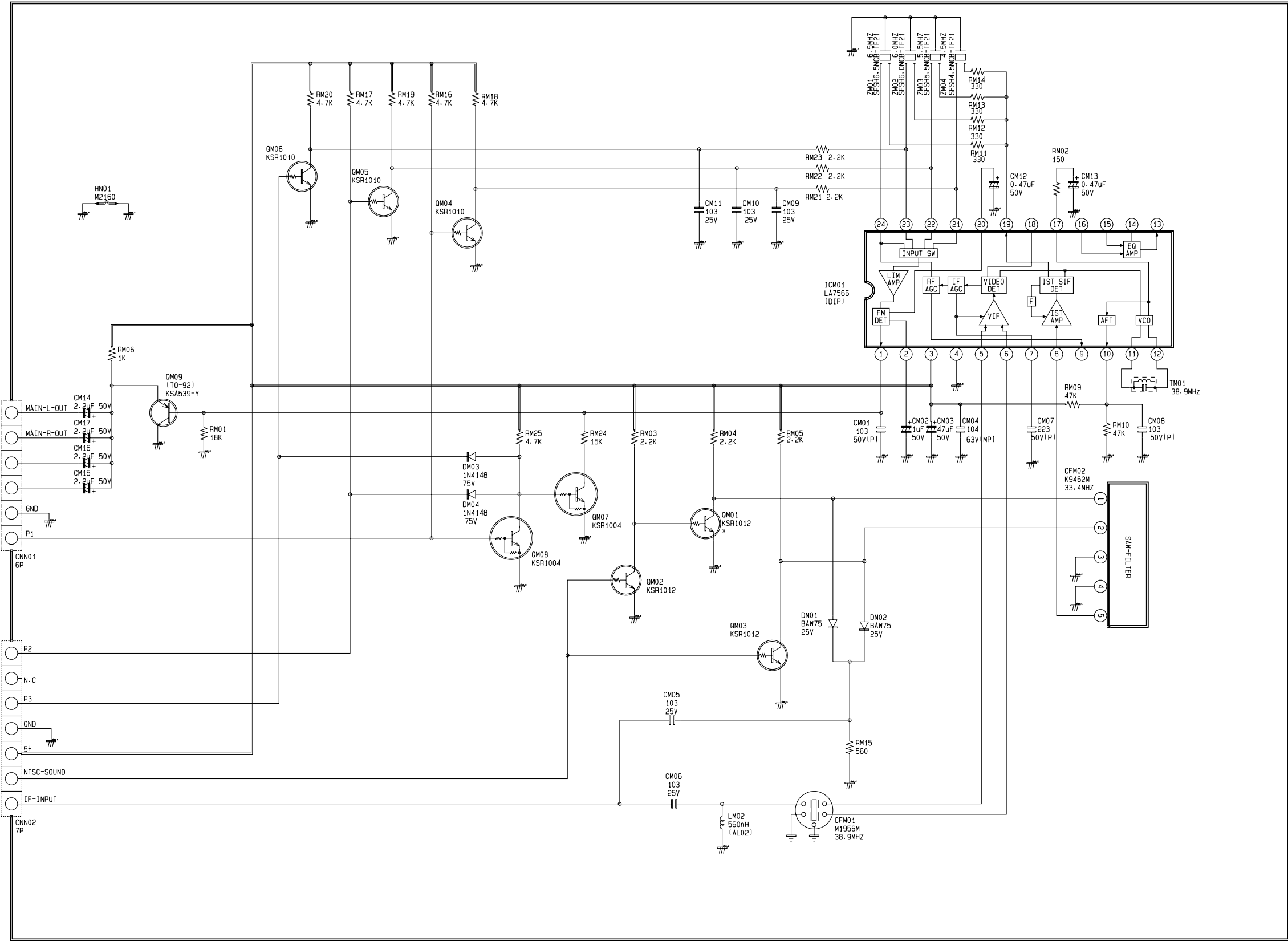


11-5 PWB MAIN (SUB)



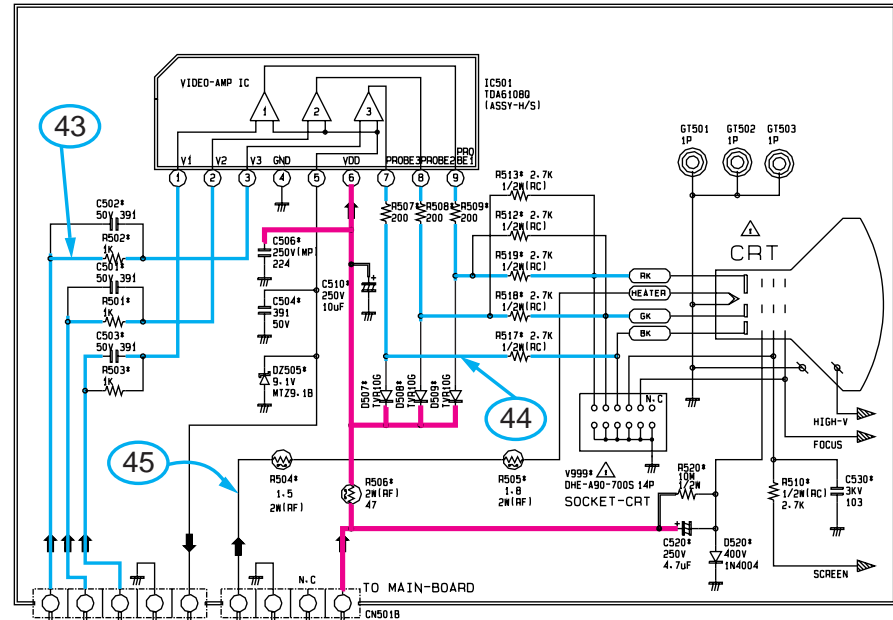
— : Power Line
— : Signal Line

11-6 PWB MAIN (Sound Module Mono)

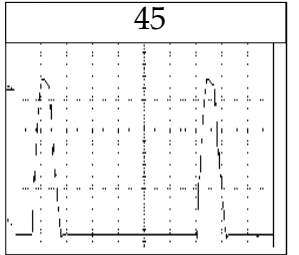
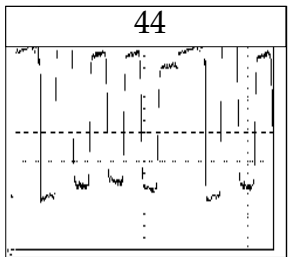
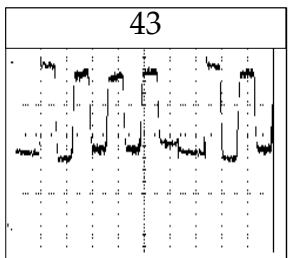
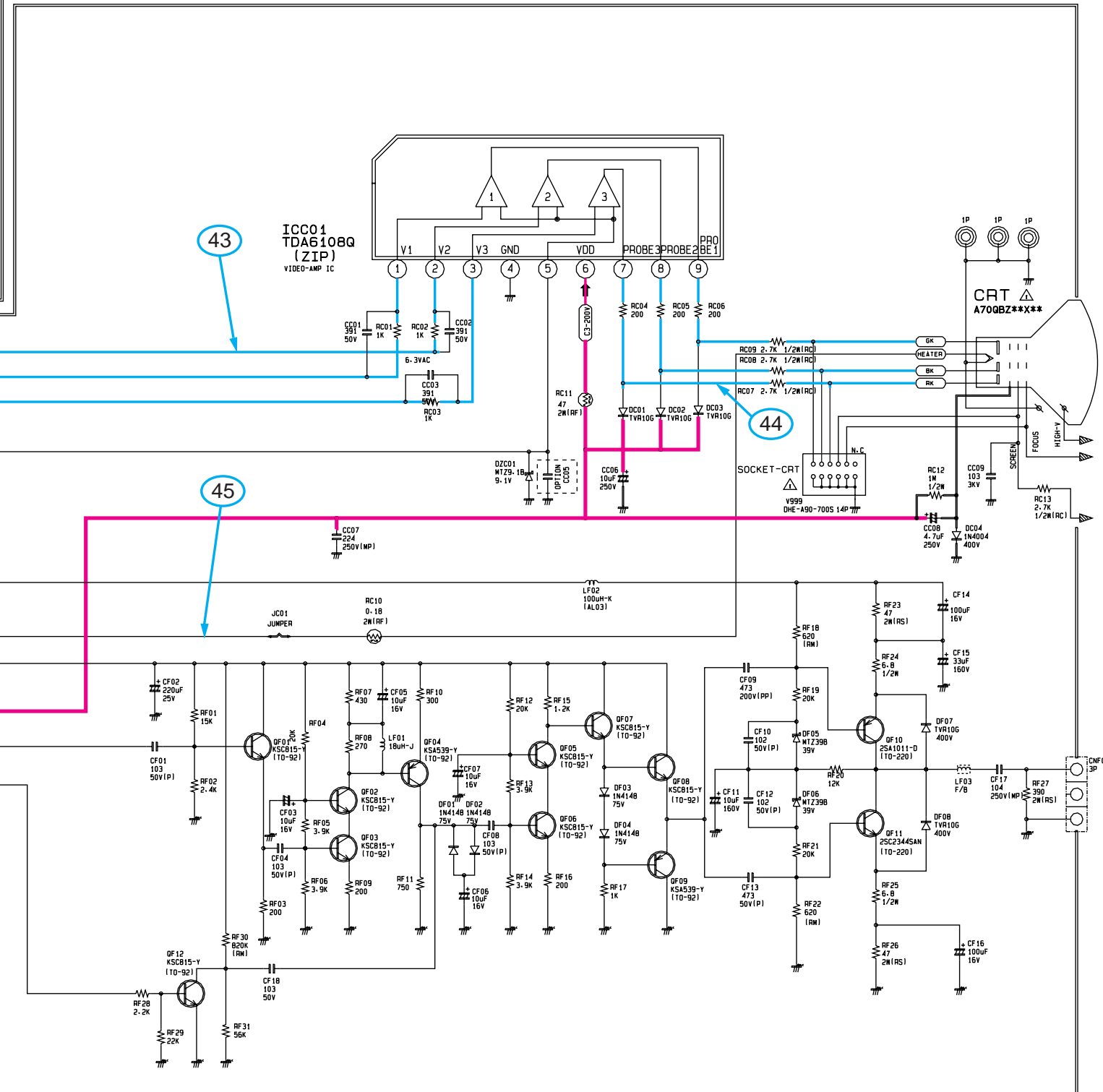


11-7 PWB MAIN (CRT)

WITHOUT VM (PHILIPS NORMAL CRT)



WITH VM (PHILIPS INVAR CRT)



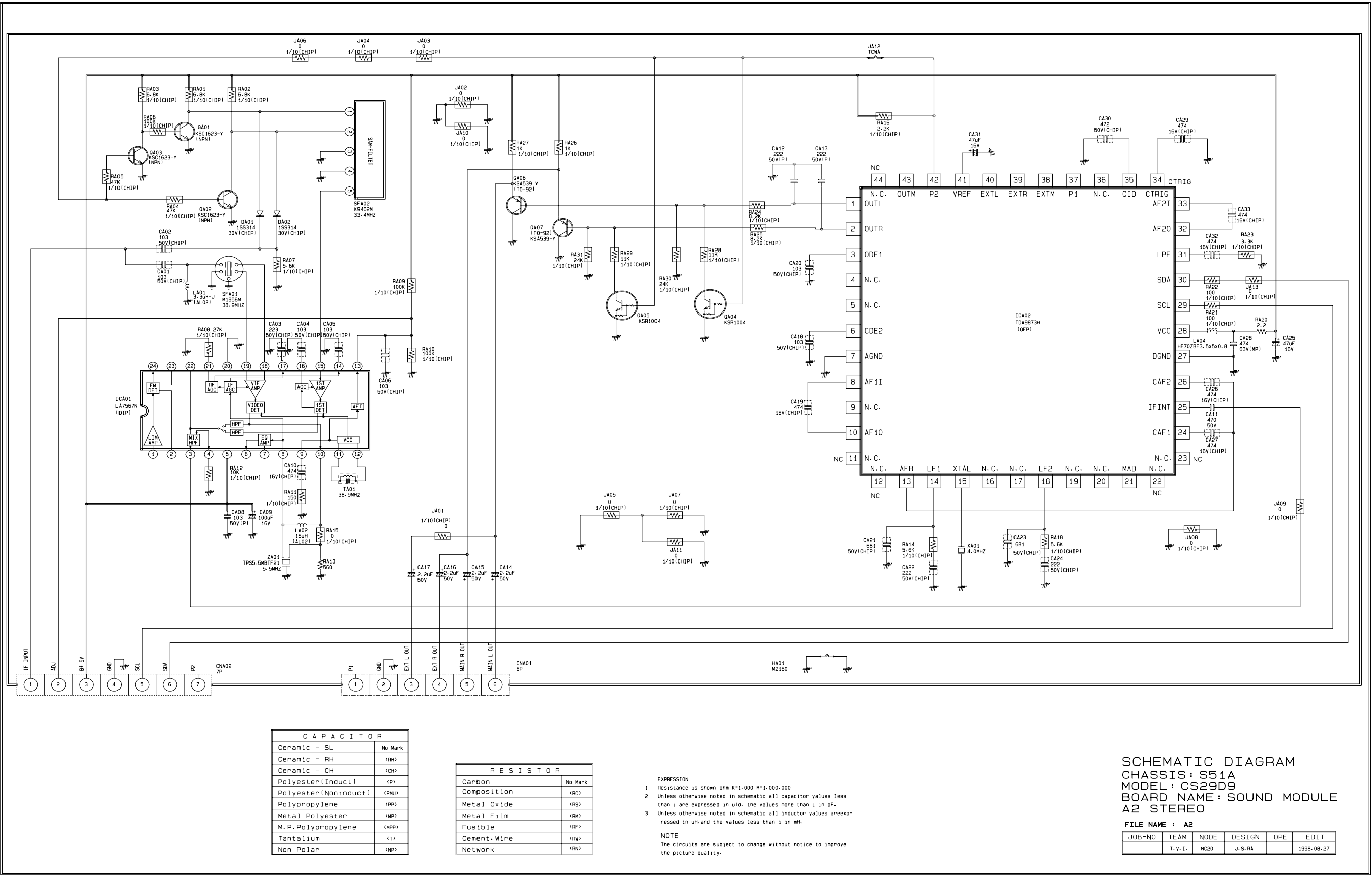
OPTION

NORMAL VS INVAR CPT OPTION

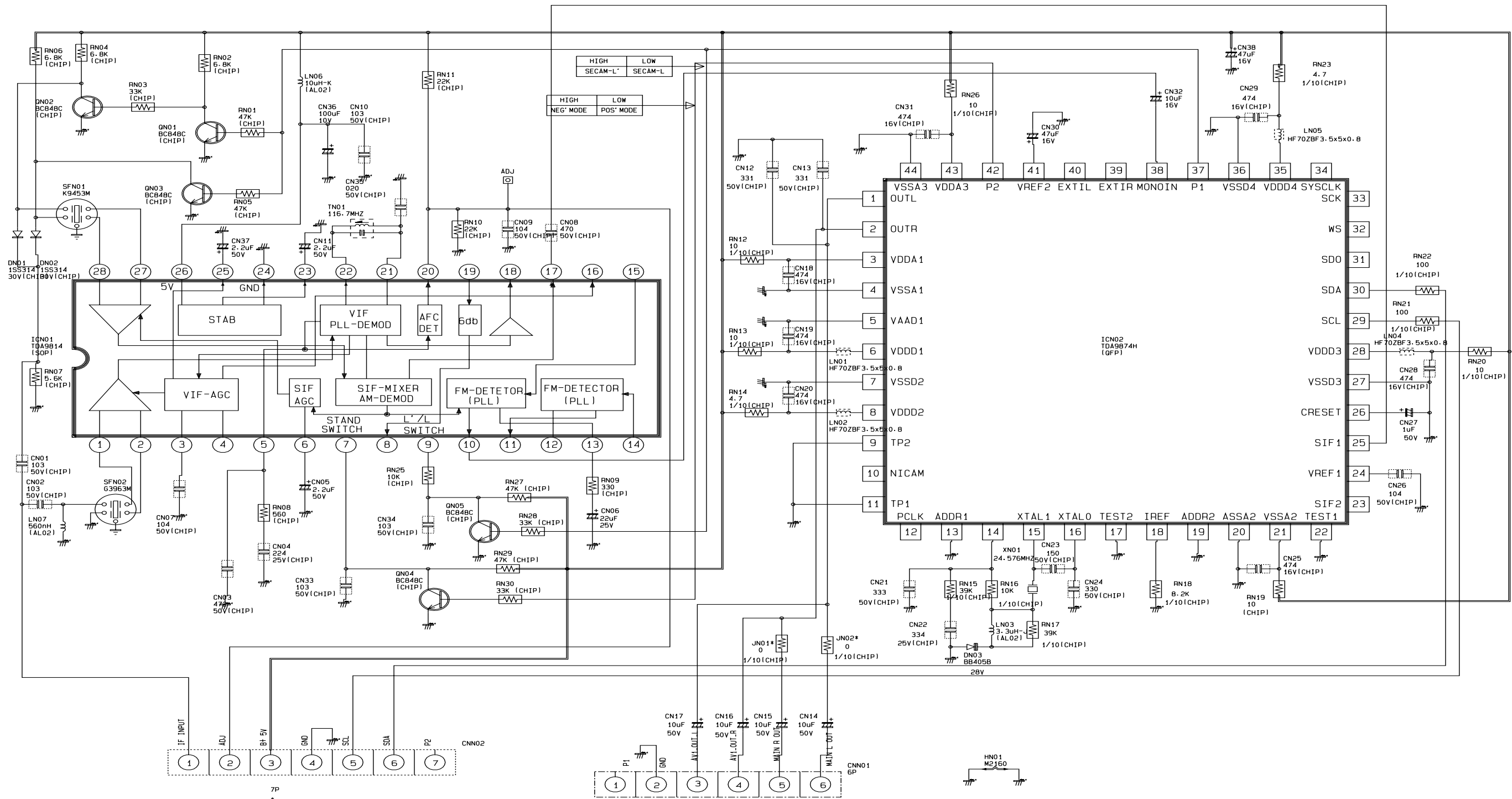
NORMAL VS INVAR OPT OPTION						
PHILLIPS INVAR OPT			PHILLIPS NORMAL OPT			Remarks
LOC. NO.	CODE NO.	SPEC.	CODE NO.	SPEC.		
C456	2306-002034	C-FILM.PPV.40002-434	2306-001095	C-FILM.PPV.40002-364		
C456	2306-002035	C-FILM.PPV.1-1.66-772	2306-001096	C-FILM.PPV.1-1.66-772		
C456	2306-002037	C-FILM.PPV.1-1.66-632	2306-001097	C-FILM.PPV.1-1.66-752		
C456	2306-002038	C-FILM.PPV.40002-223	2303-001026	C-FILM.WPP.40000-333		
5351	2009-011054	R-CARBON.1-86-1/28	2001-011049	R-CARBON.1-36-1/28		
5352	2009-011054	R-CARBON.1-86-1/28	2001-011049	R-CARBON.1-36-1/28		
6455	2009-011013	R-FUSIBLE.1-2-1.61-1/4	2009-011031	R-FUSIBLE.1-1-1/4		
6457	2009-011152	R-CARBON.1/28-4/16	2004-011087	R-CARBON.1/28-68-9		
8414	AZE-300059	TRANS-F15BCX-FUNQ3604	AZE-300059	TRANS-F15BCX-FUNQ3603		
		K20		NONE		
R305	2003-000998	R-ET10121.26-300	2003-002069	R-ET10121.26-470		
R306	2003-000998	R-ET10121.26-300	2003-002069	R-ET10121.26-470		
R308	2003-000998	R-ET10121.26-300	2003-002069	R-ET10121.26-470		

 : Power Line
 : Signal Line

11-8 PWB MAIN (SOUND MODULE STEREO)



11-9 PWB MAIN (SOUND MODULE NICAM)



CAPACITOR	
Ceramic - SL	No Mark
Ceramic - RH	<RH>
Ceramic - CH	<CH>
Polyester(Induct)	<P>
Polyester(Noninduct)	<PMU>
Polypropylene	<PP>
Metal Polyester	<MP>
M. P. Polypropylene	<MPP>
Tantalum	<T>
Non Polar	<NP>

RESISTOR	
Carbon	No Mark
Composition	<RC>
Metal Oxide	<RS>
Metal Film	<RM>
Fusible	<RF>
Cement-Wire	<RW>
Network	<RN>

EXPRESSION

1 Resistance is shown ohm K=1.000 M=1.000.000

2 Unless otherwise noted in schematic all capacitor values less than 1 are expressed in ufd. the values more than 1 in pF.

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

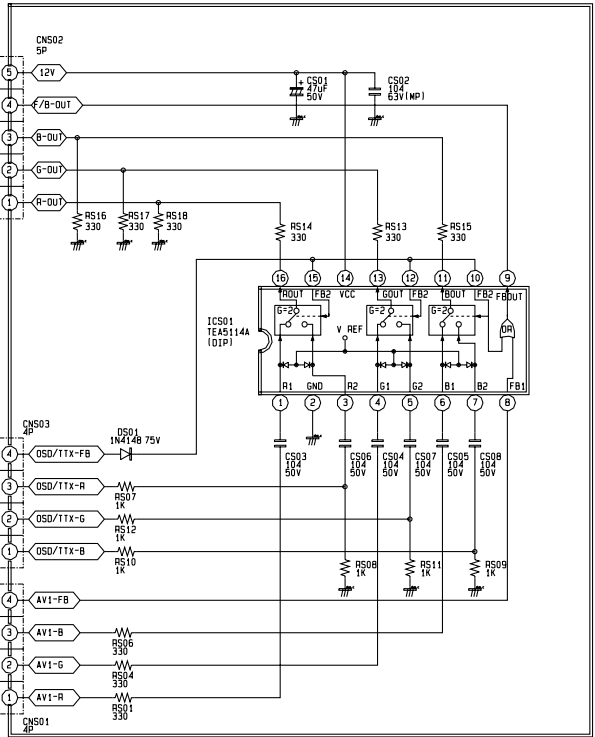
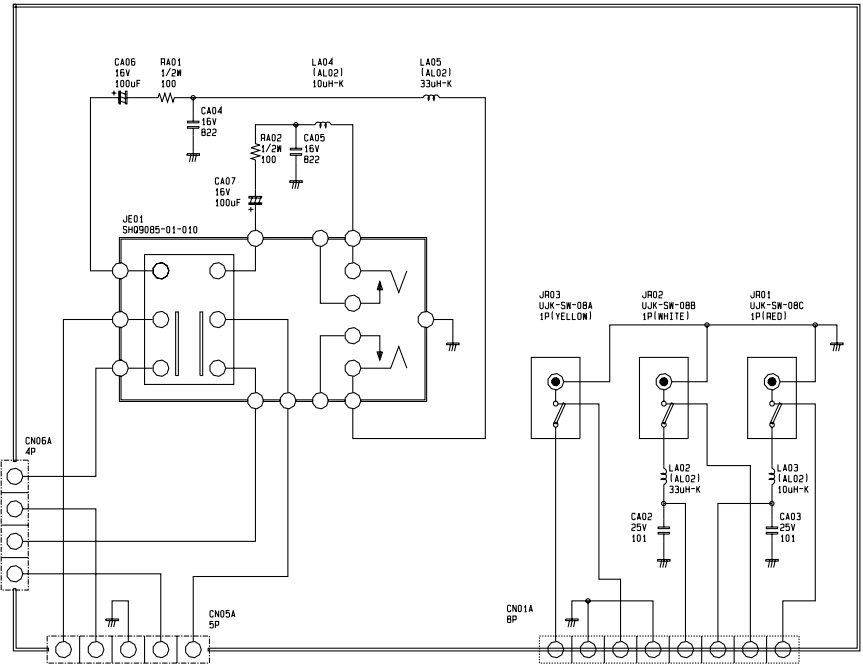
NOTE

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

SCHEMATIC DIAGRAM
CHASSIS: S51A
MODEL :
BOARD NAME : SECAN-L. L' NICAM

11-10 PWB MAIN (A/V FRONT / VIDEO SWITCH)

FRONT-A/V



RGB - S/W MODULE

CAPACITOR	
Ceramic - SL	No Mark
Ceramic - RH	<RH>
Ceramic - CH	<CH>
Polyester(Induct)	<P>
Polyester(Noninduct)	<PM>
Polypropylene	<PP>
Metal Polyester	<MP>
M.P.Polypropylene	<MPP>
Tantalium	<T>
Non Polar	<NP>

RESISTOR	
Carbon	No Mark
Composition	<RC>
Metal Oxide	<RS>
Metal Film	<RM>
Fusible	<RF>
Cement-Wire	<RW>
Network	<RN>

- NOTE
1. Resistance is shown in ohm K=1,000 M=1,000,000
 2. Unless otherwise noted in schematic all capacitor values less than 1 are expressed in μ F, and the values more than 1 in pF.
 3. Unless otherwise noted in schematic all inductor values more than 1 are expressed in μ H.
 4. Voltage read with V.T.V.M (input impedance 20 M Ω /all range) from point indicated to chassis ground using a color bar signal with all control at normal line voltage 120 volts.
 5. Waveforms in chrominance circuit are taken receiving a color bar signal with enough sensitivity.
 6. Waveforms in other circuit are taken using an signal under normal receiving conditions.
 7. Voltage readings shown are normal values and may vary 20% except H.V.
 8. This is fundamental circuit diagram some production changes may be made without revision of the diagram.
 9. The circuits enclose in dotted lines are optional parts. [x]

WARNING : BEFORE SERVICING THIS CHASSIS READ THE 'X-RAY RADIATION PRECAUTION' 'SAFETY PRECAUTION' AND PRODUCT SAFETY NOTICE' IN MANUAL.

CAUTION : The shaded Area in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit of specified in the parts list. Before replacing and of these components. Read carefully the PRODUCT SAFETY NOTICE. In this manual. Do not degrade the safety of the receiver through improper servicing.