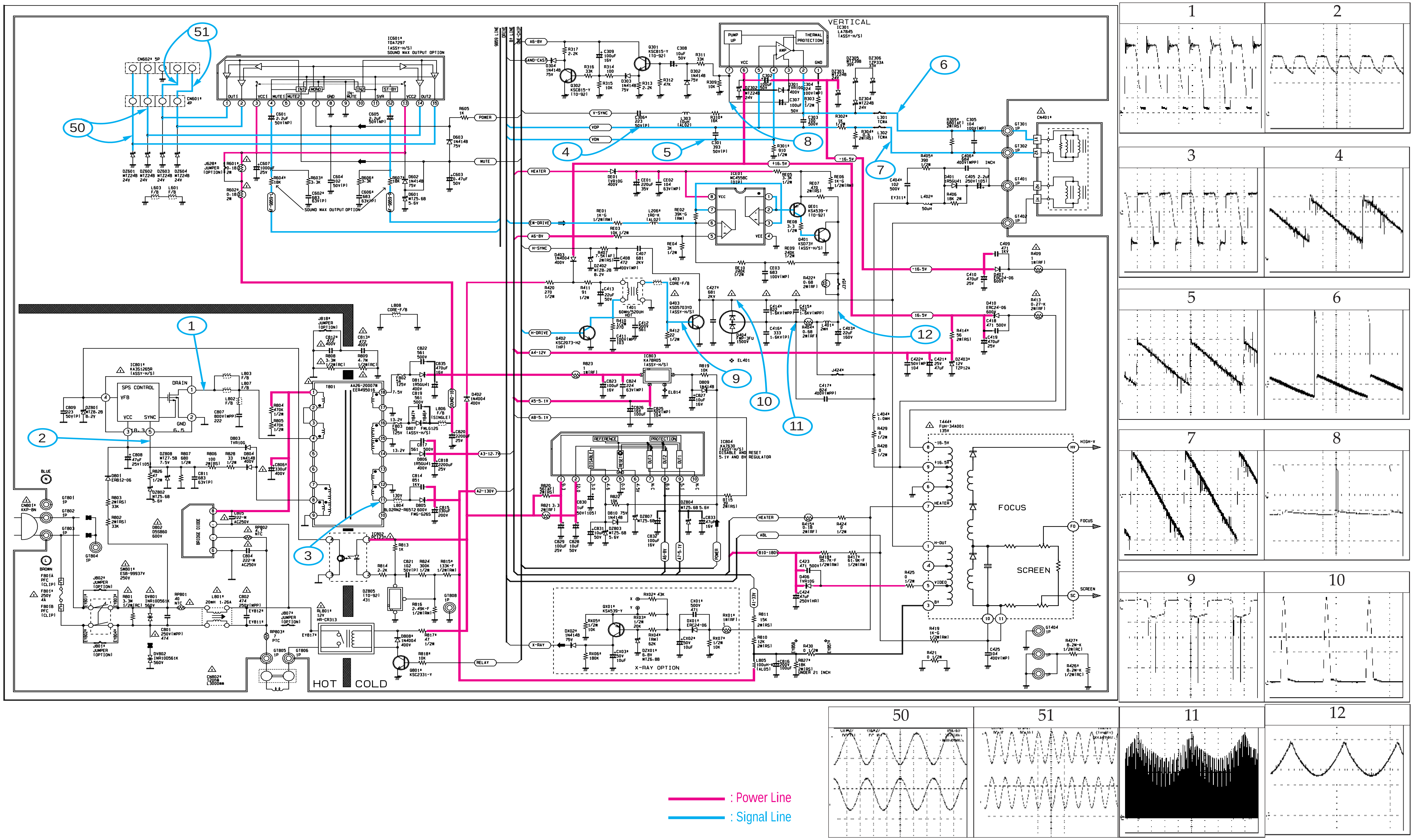
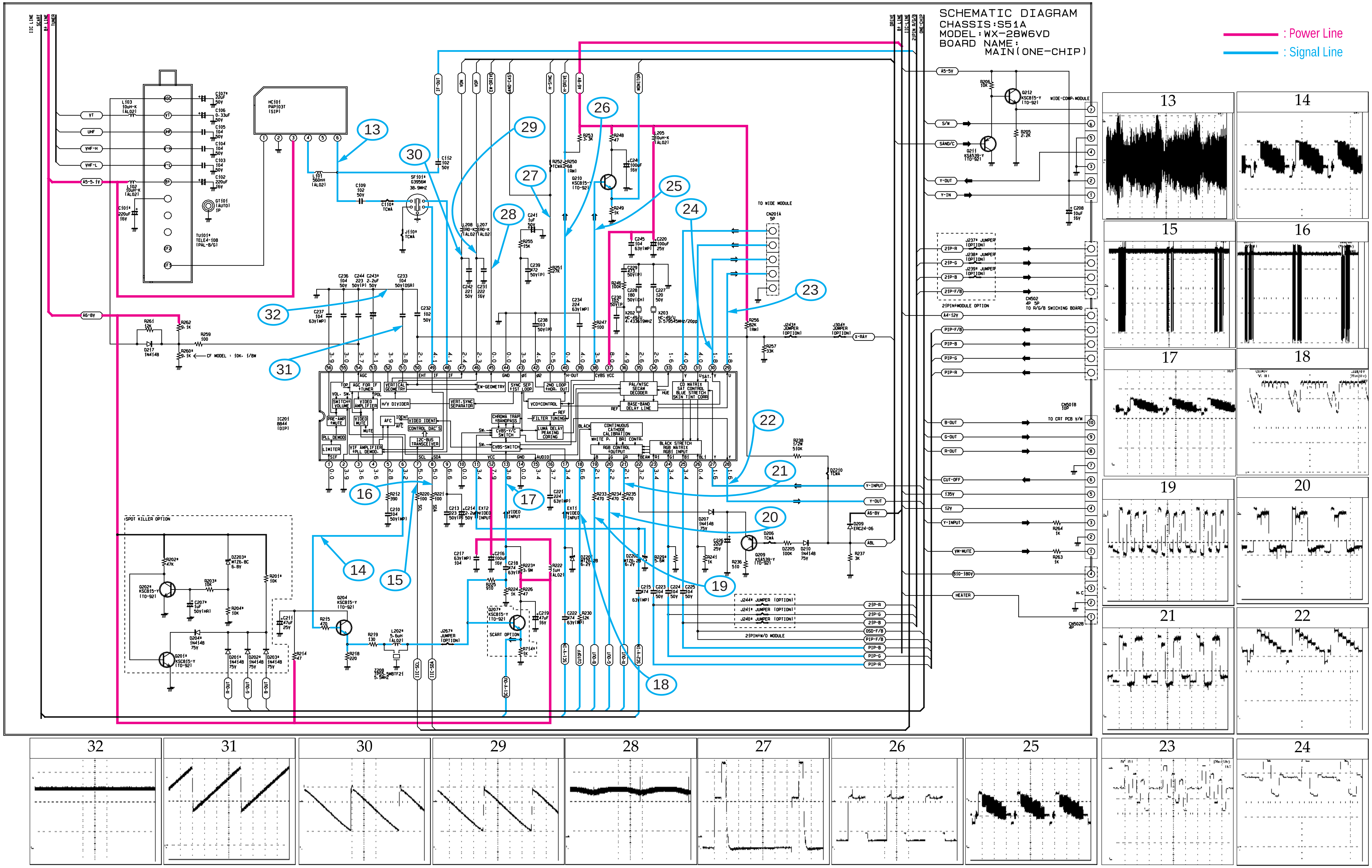
11. Schematic Diagrams

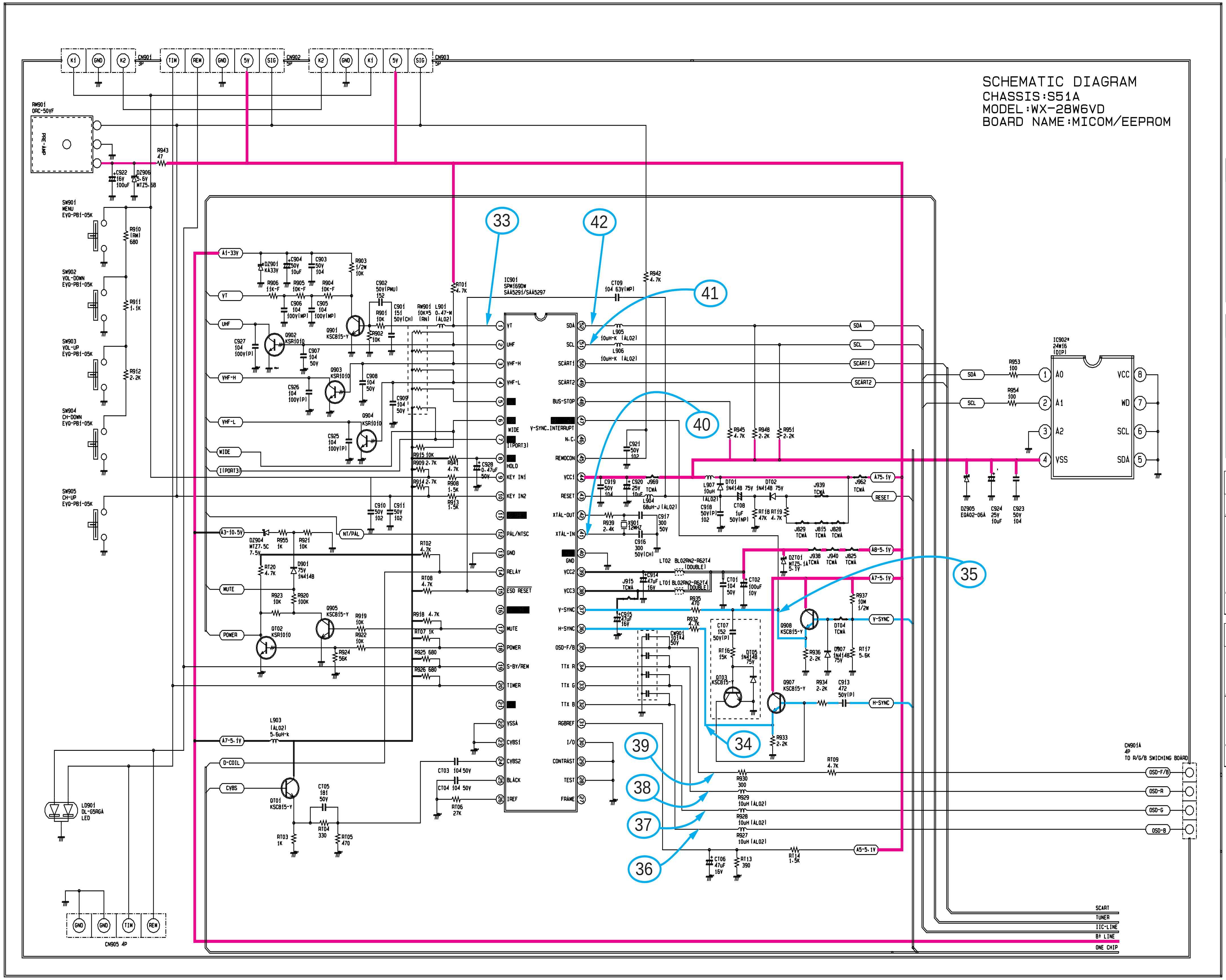
11-1 PWB-MAIN (Power)

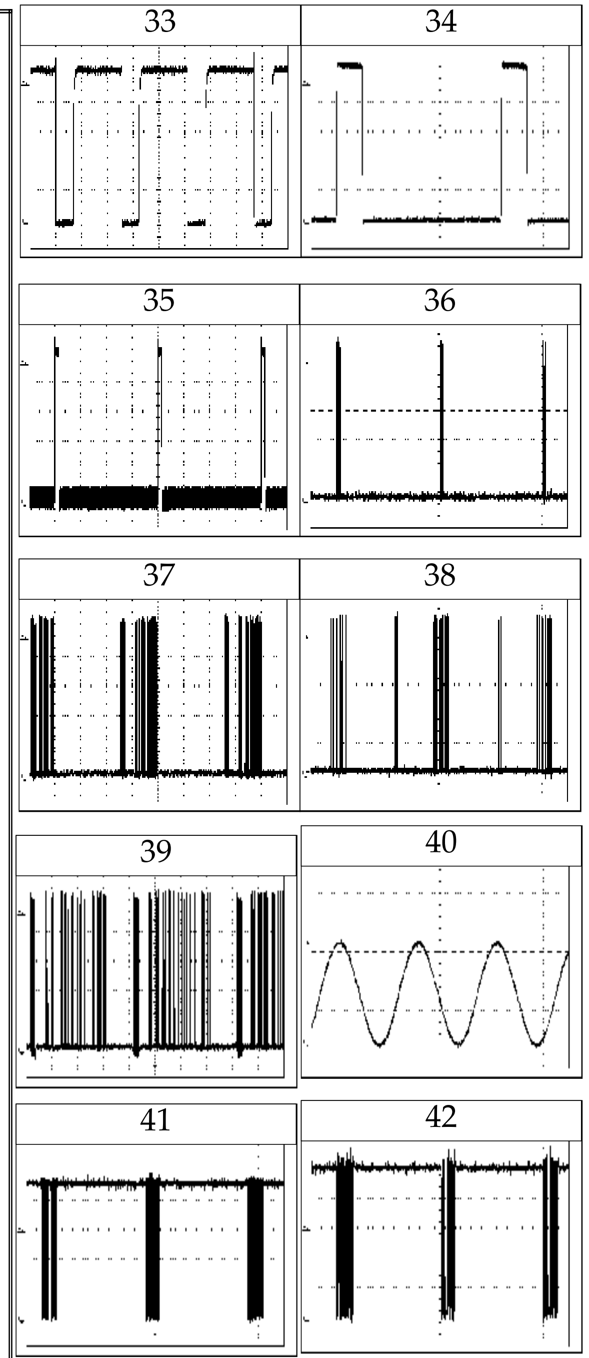


11-2 PWB-MAIN (One-Chip)



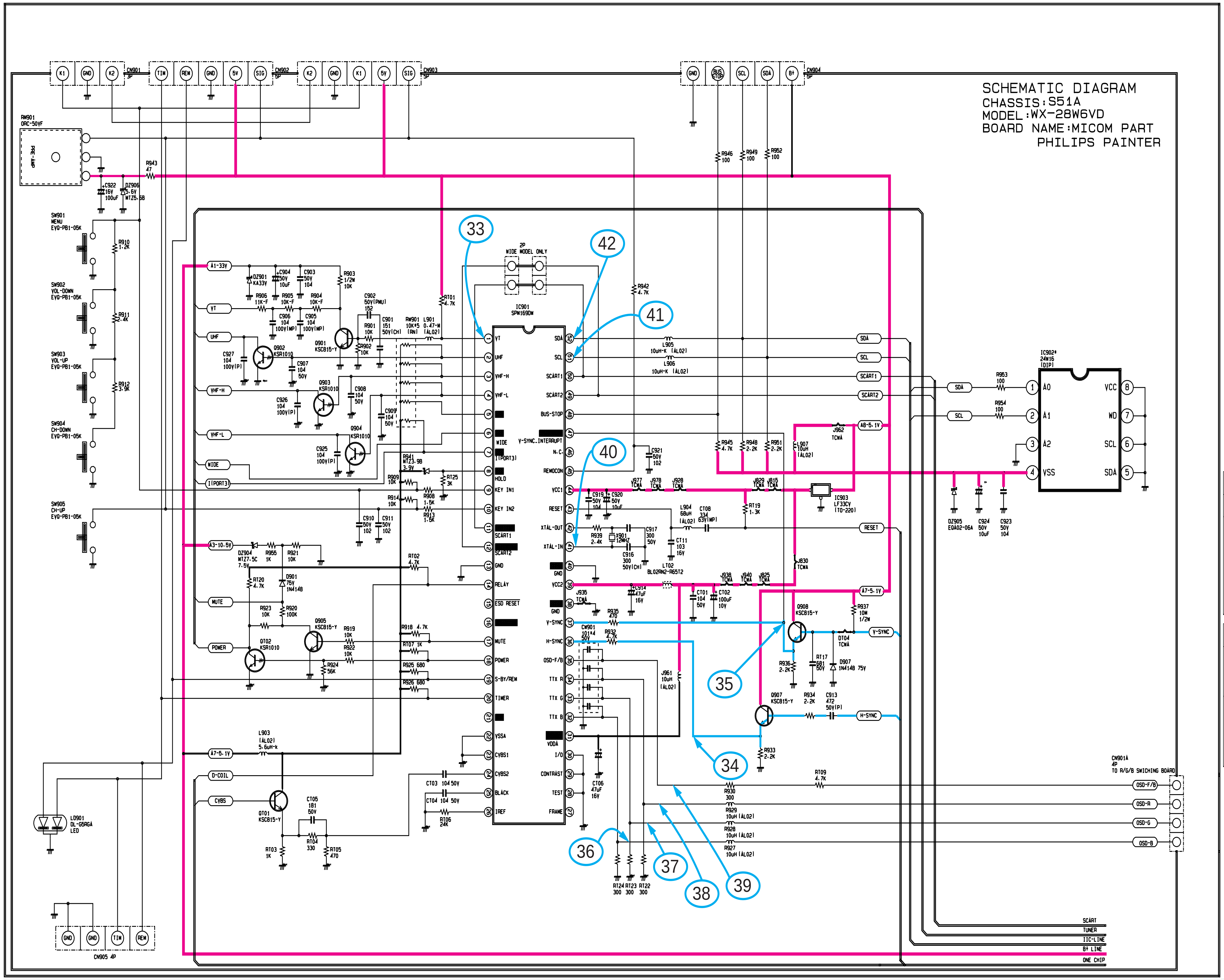
11-3 PWB-MAIN (u-COM)

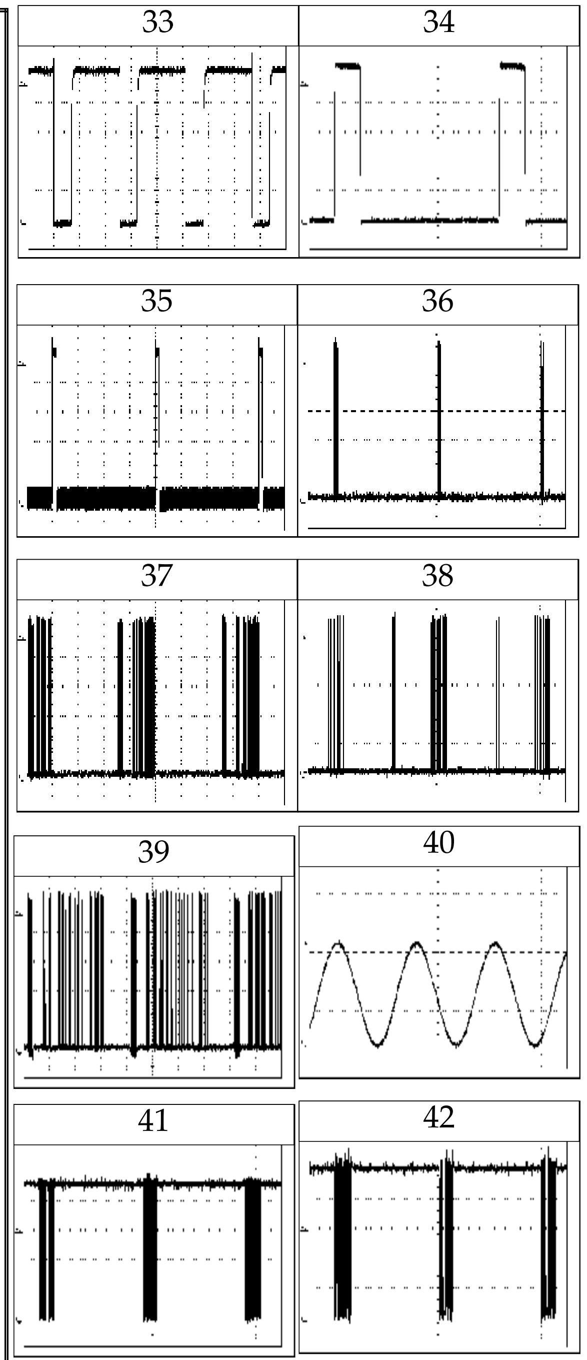




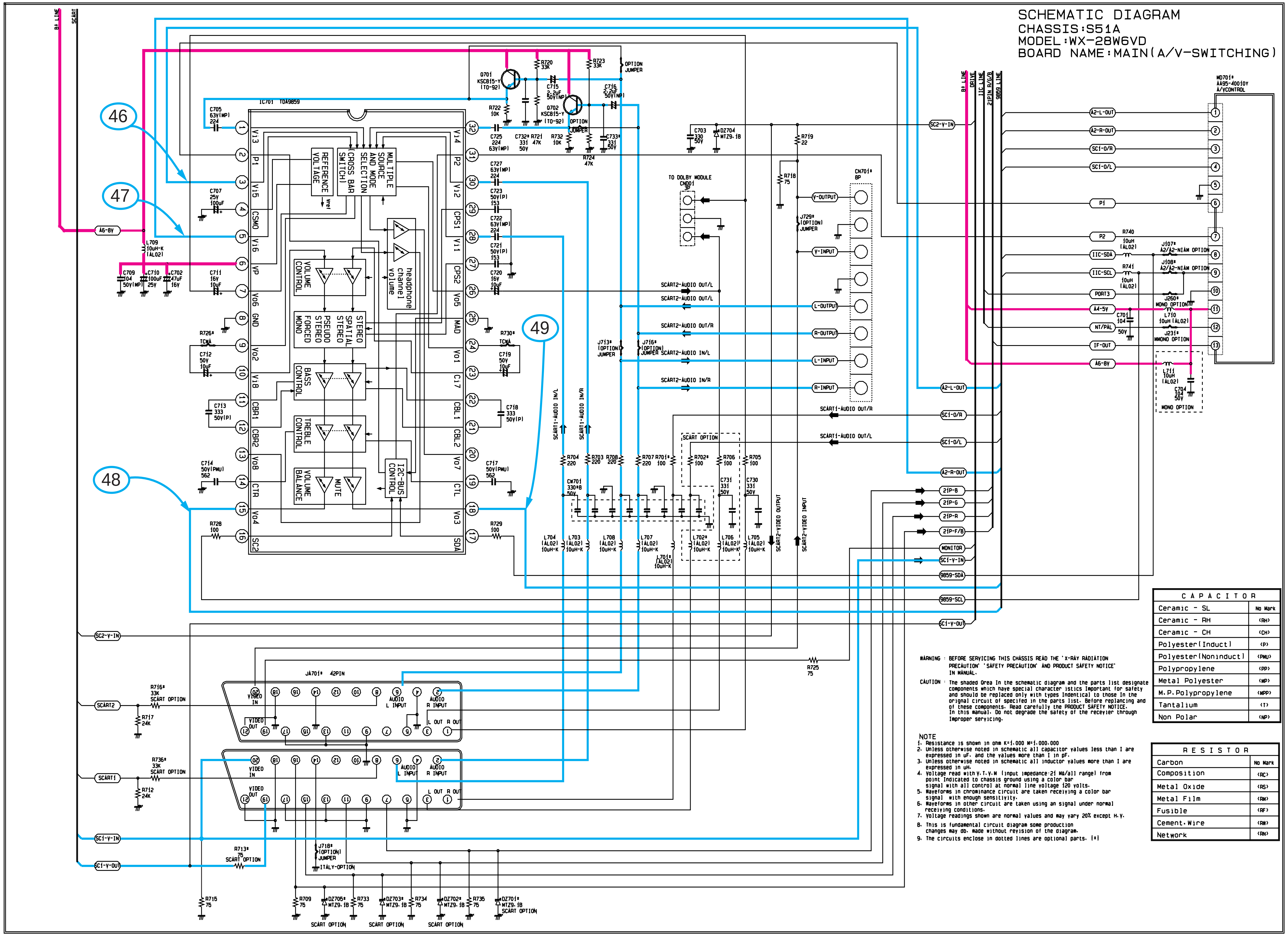
: Power Line
: Signal Line

11-4 PWB-MAIN (u-COM)





11-5 PWB-MAIN (A/V-Switching)



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

CAUTION : The shaded Qrea In the schematic diagram and the parts list designate components which have special character istics Important for safety and should be replaced only with types Indentical to those In the orignal circuit of specifed in the parts list. Before replancing and of these components. Read carefully the PRODUCT SAFETY NOTICE. In this manual. Do not degrade the safety of the receyier through Improper servicing.

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 I are expressed in uF. and the values more than I in pF.
3. Unless otherwise noted in schematic all inductor values more than I are expressed in uH.
4. Voltage read with V.T.V.M (input impedance:21 MΩ/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 db. made without revision of the diagram.
9. The circuits enclose in dotted lines are optional parts. (*)

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)
Tantalium	(T)
Non Polar	(NP)

RESISTOR	
Carbon	No Mark
Composition	(RC)
Metal Oxide	(RS)
Metal Film	(RM)
Fusible	(RF)
Cement.Wire	(RW)
Network	(RN)

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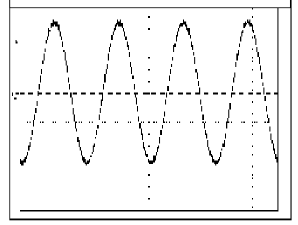
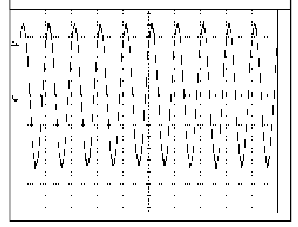
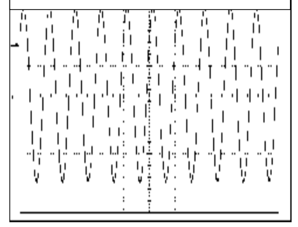


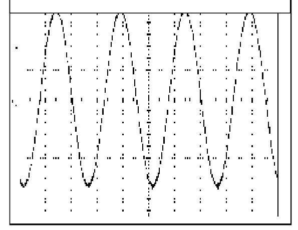
47



48



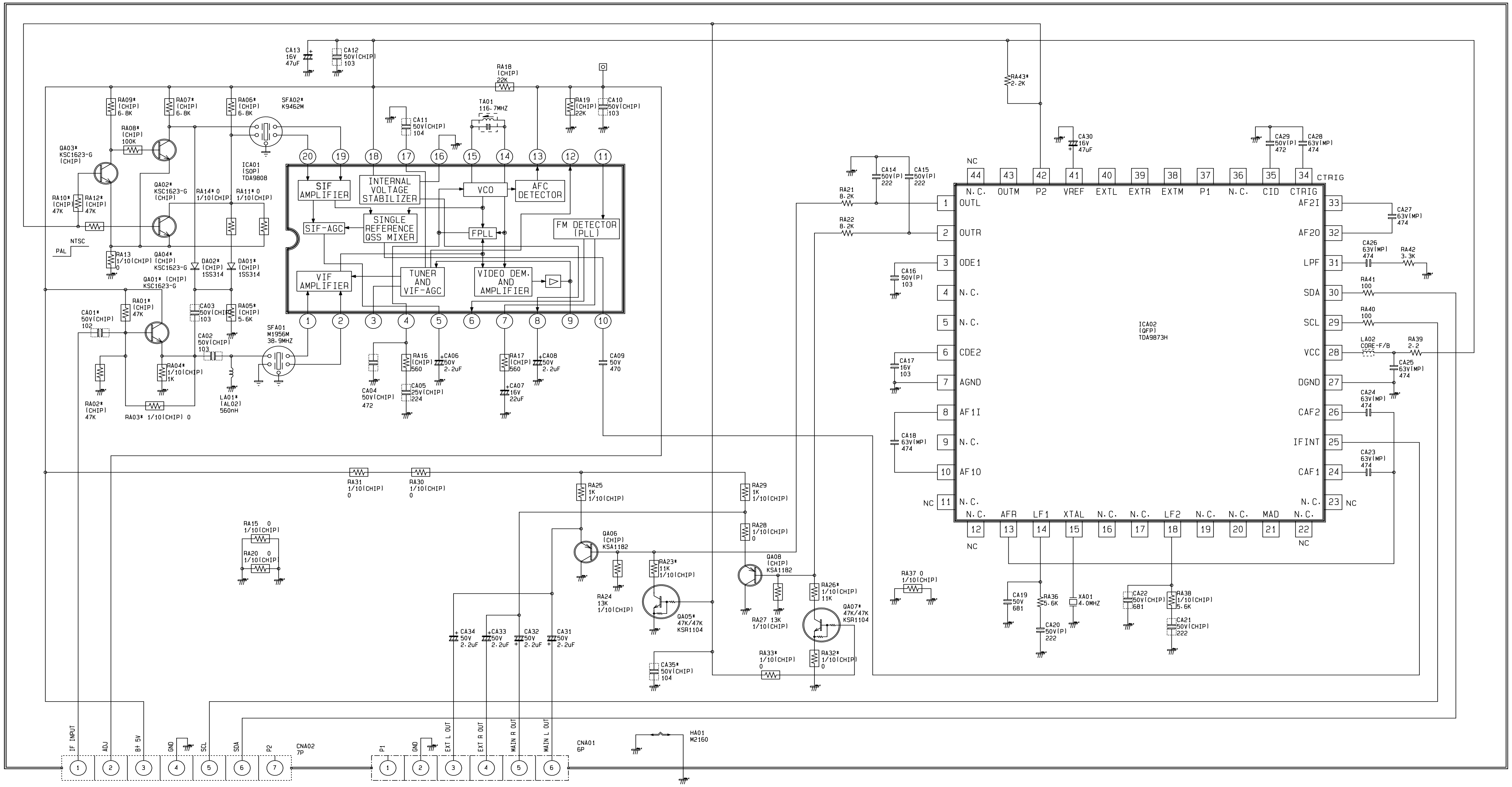
49



: Power Line
: Signal Line

11-6 PWB-SOUND (Sound Module A2-Stereo)

6



C A P A C I T O R	
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>
Tantalium	<T>
Non Polar	<NP>

R E S I S T O R	
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 i are expressed in ufd. the values more than i in pF.

3 Unless otherwise noted in schematic all inductor values areexp-ressed in uH.and the values less than i in mH.

NOTE

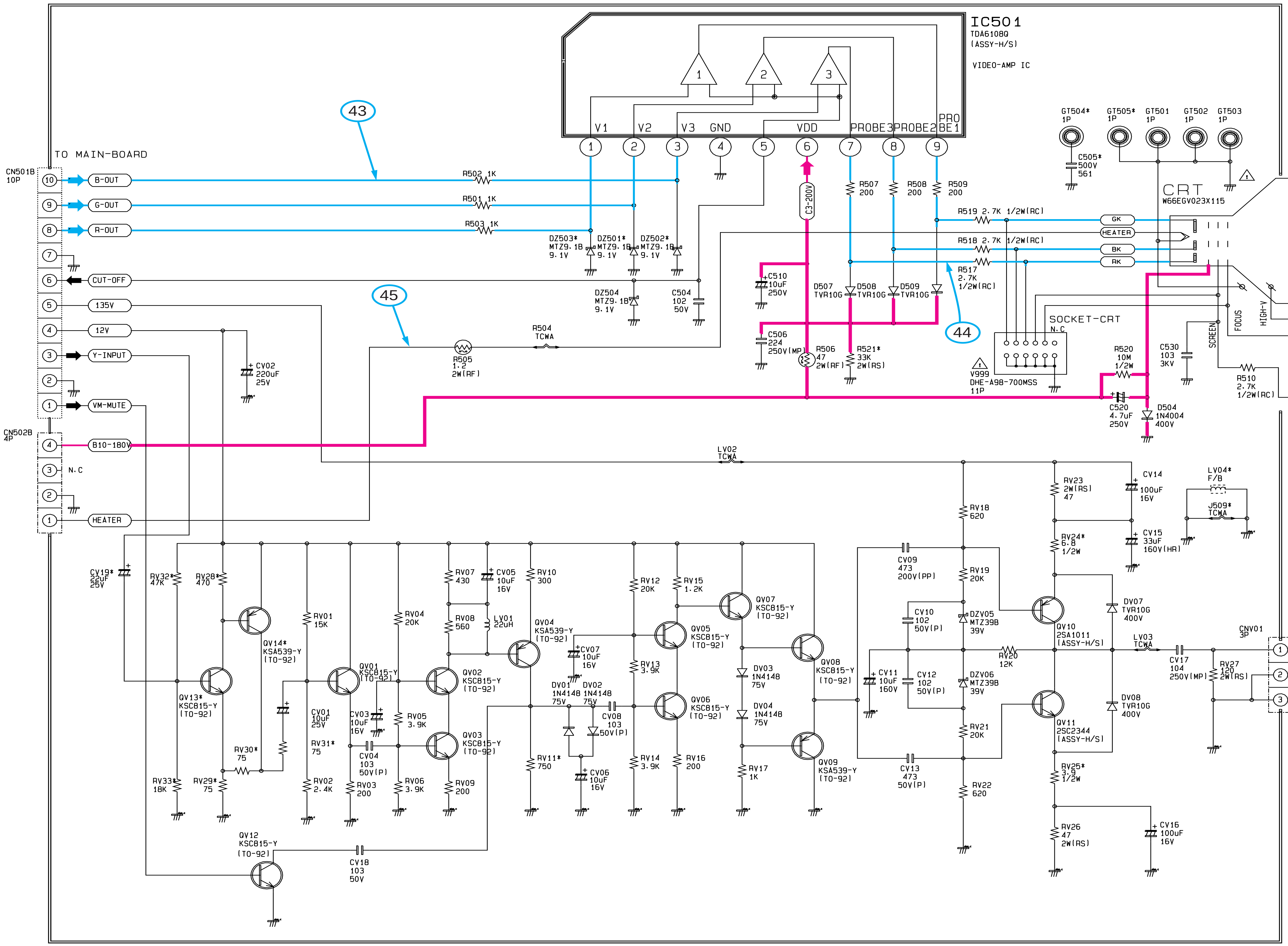
The circuits are subject to change without notice to improve the picture quality.

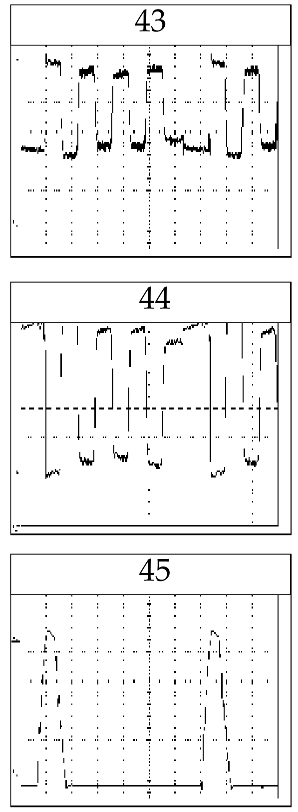
SCHEMATIC DIAGRAM
CHASSIS: S51A
MODEL: CS29D9
BOARD NAME: SOUND MODULE A2 STEREO

FILE NAME : A2

JOB-NO	TEAM	NODE	DESIGN	OPE	EDIT
	T.V.I.	NC20	Y-K KIM		1999.01.05

11-7 PWB-CRT,V/M

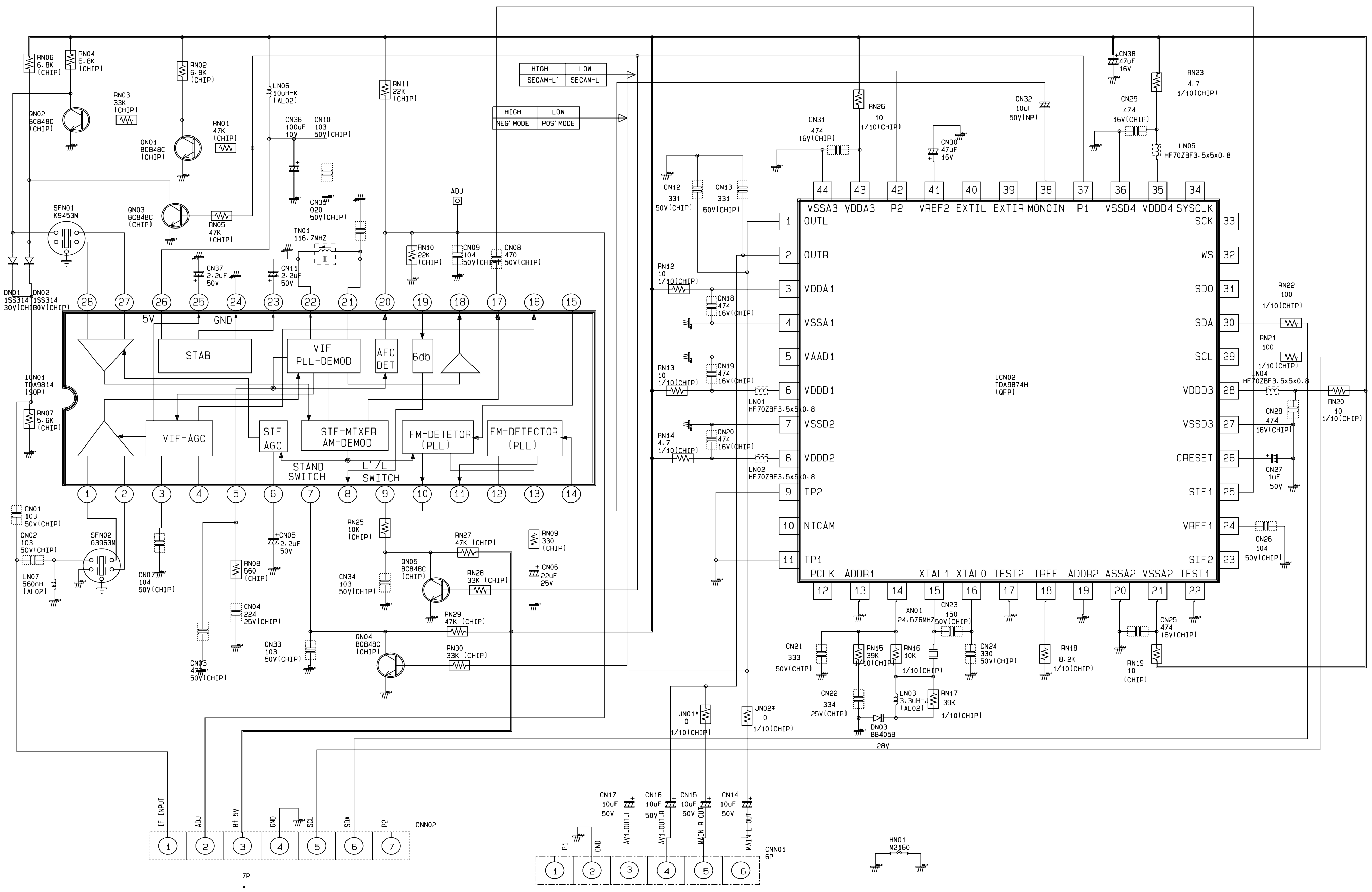




: Power Line
: Signal Line

11-8 PWB-SOUND (Sound Module L-Nicam)

6



C A P A C I T O R	
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>
Tantalium	<T>
Non Polar	<NP>

R E S I S T O R	
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 i are expressed in ufd. the values more than i in pF.

3 Unless otherwise noted in schematic all inductor values areexpressed in uH.and the values less than i in mH.

NOTE

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

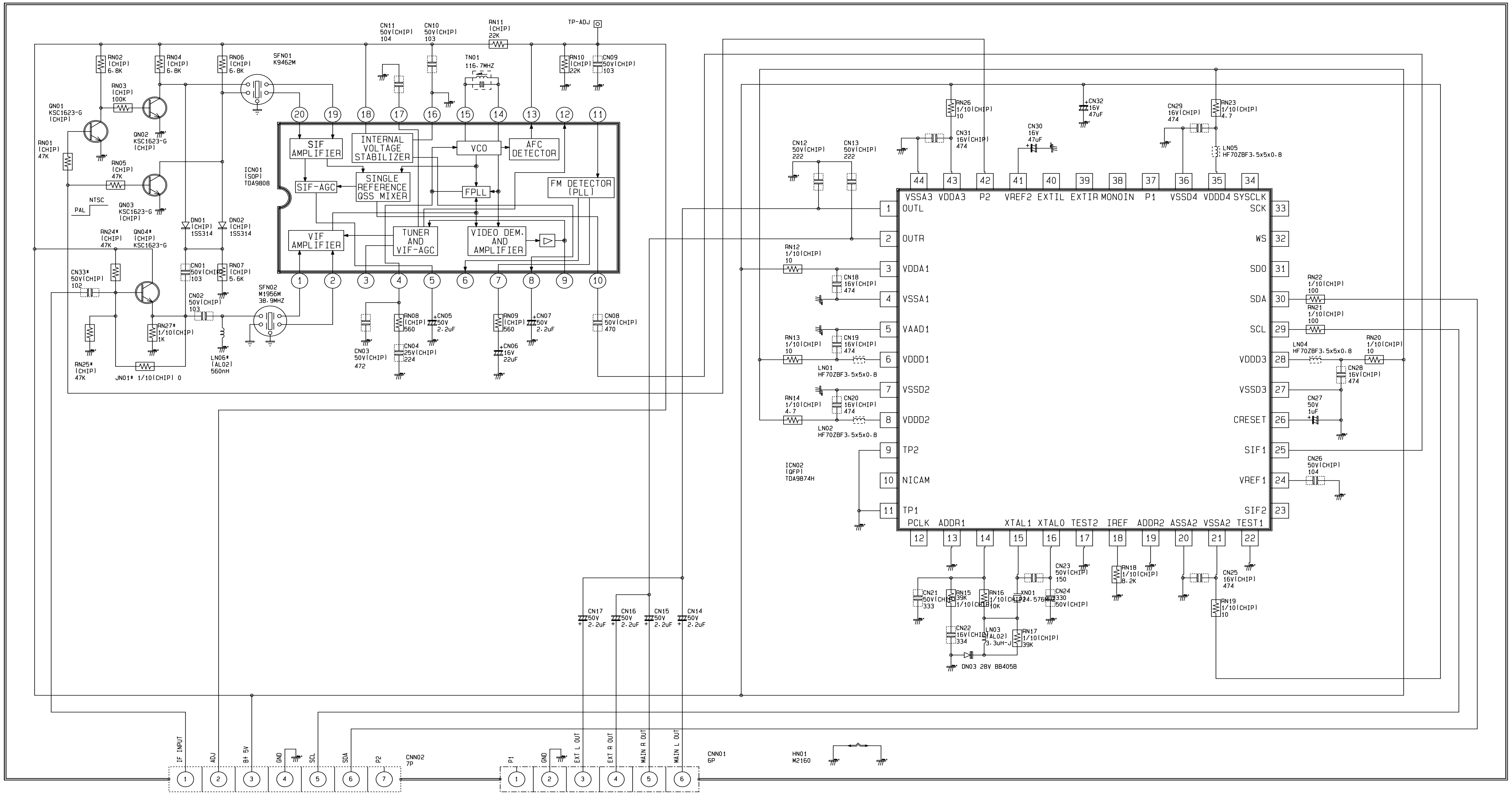
SCHEMATIC DIAGRAM
CHASSIS: S51A
MODEL:
BOARD NAME:SECAN-L,L' NICAM

FILE NAME : SECAM-L'L A2 NICAM VITUAL-SURROUND

JOB-NO	TEAM	NODE	DESIGN	OPE	EDIT
	PAL	NC7	C.K.CHO		98.10.16

11-9 PWB-SOUND (Sound Module Nicam)

6



C A P A C I T O R	
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›
Tantalium	‹T›
Non Polar	‹NP›

R E S I S T O R	
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 i are expressed in ufd. the values more than i in pF.

3 Unless otherwise noted in schematic all inductor values areexpressed in uH.and the values less than i in mH.

NOTE

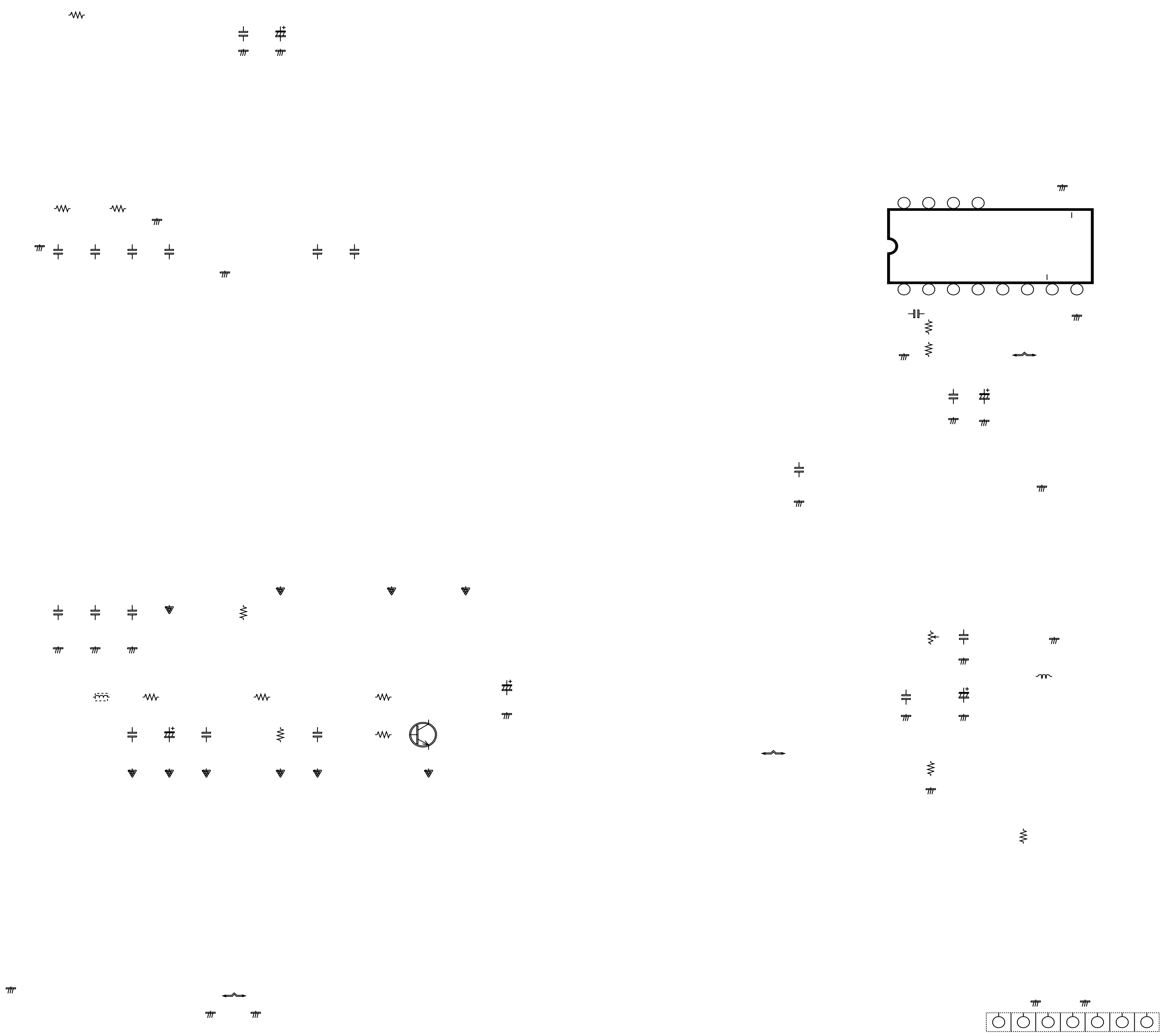
The circuits are subject to change without notice to improve the picture quality.

SCHEMATIC DIAGRAM
CHASSIS: S51A
MODEL: CS72D9
BOARD NAME: NICAM MODULE
A2 NICAM STEREO

FILE NAME : NICAM

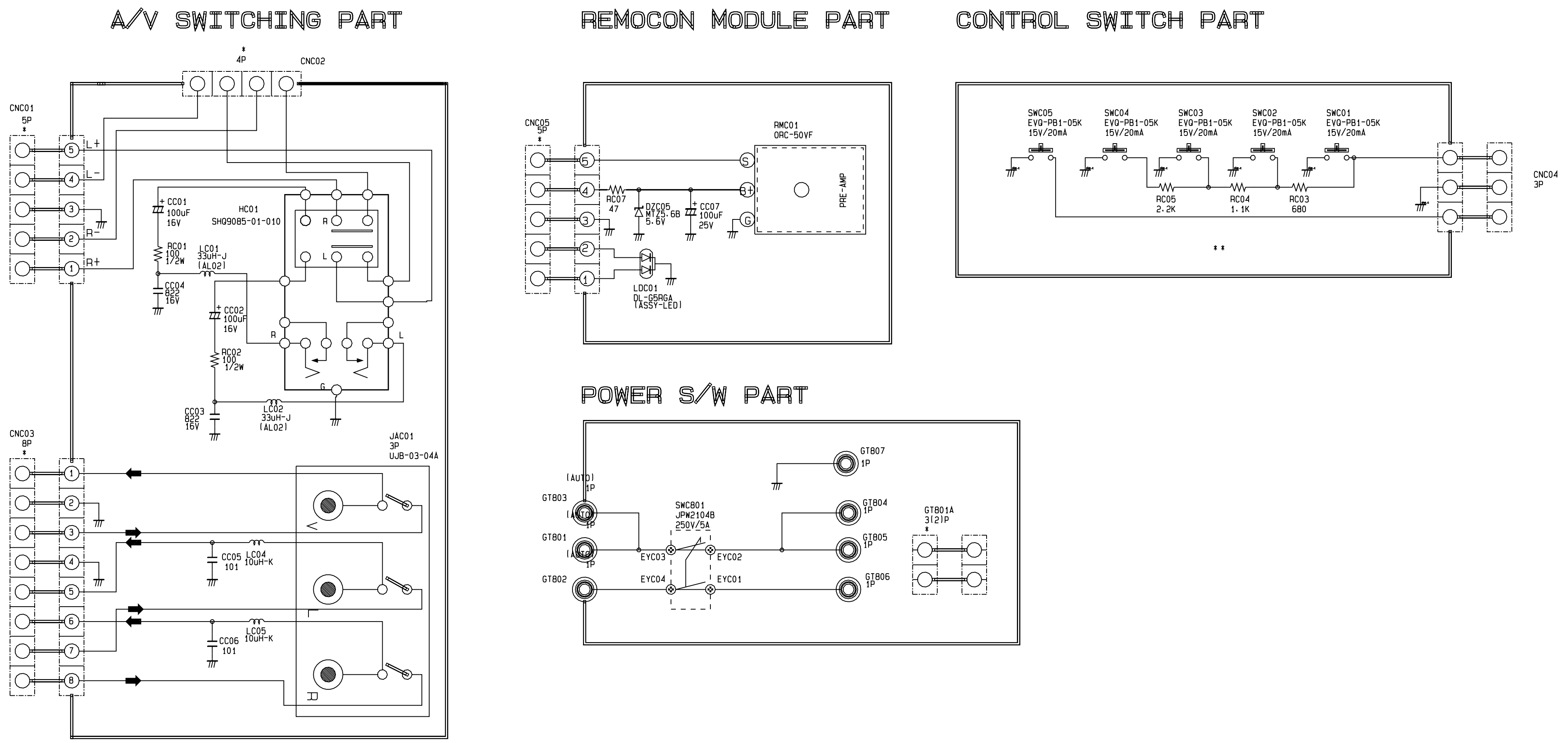
JOB-NO	TEAM	NODE	DESIGN	OPE	EDIT
	TVI	NC17	Y-K KIM		1998.08.13

11-10 PWB-WIDE MODULE



11-12 PWB-SUB (Control / A/V)

SCHEMATIC DIAGRAM
CHASSIS: S51A
MODEL: WX-28W6VD
BOARD NAME: ASSY-CONTROL



EXPRESSION
1 Resistance is shown ohm K=1.000 M=1.000.000
2 Unless otherwise noted in schematic all capacitor values less than i are expressed in ufd. the values more than i in pF.
3 Unless otherwise noted in schematic all inductor values areexp-ressed in uH.and the values less than i in mH.

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

FILE NAME :

JOB-NO	TEAM	NODE	DESIGN	OPE	EDIT

R E S I S T O R	
Carbon	No Mark
Composition	<RC>
Metal Oxide	<RS>
Metal Film	<RM>
Fusible	<RF>
Cement.Wire	<RW>
Network	<RN>

C A P A C I T O R	
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>
Tantalium	<T>
Non Polar	<NP>