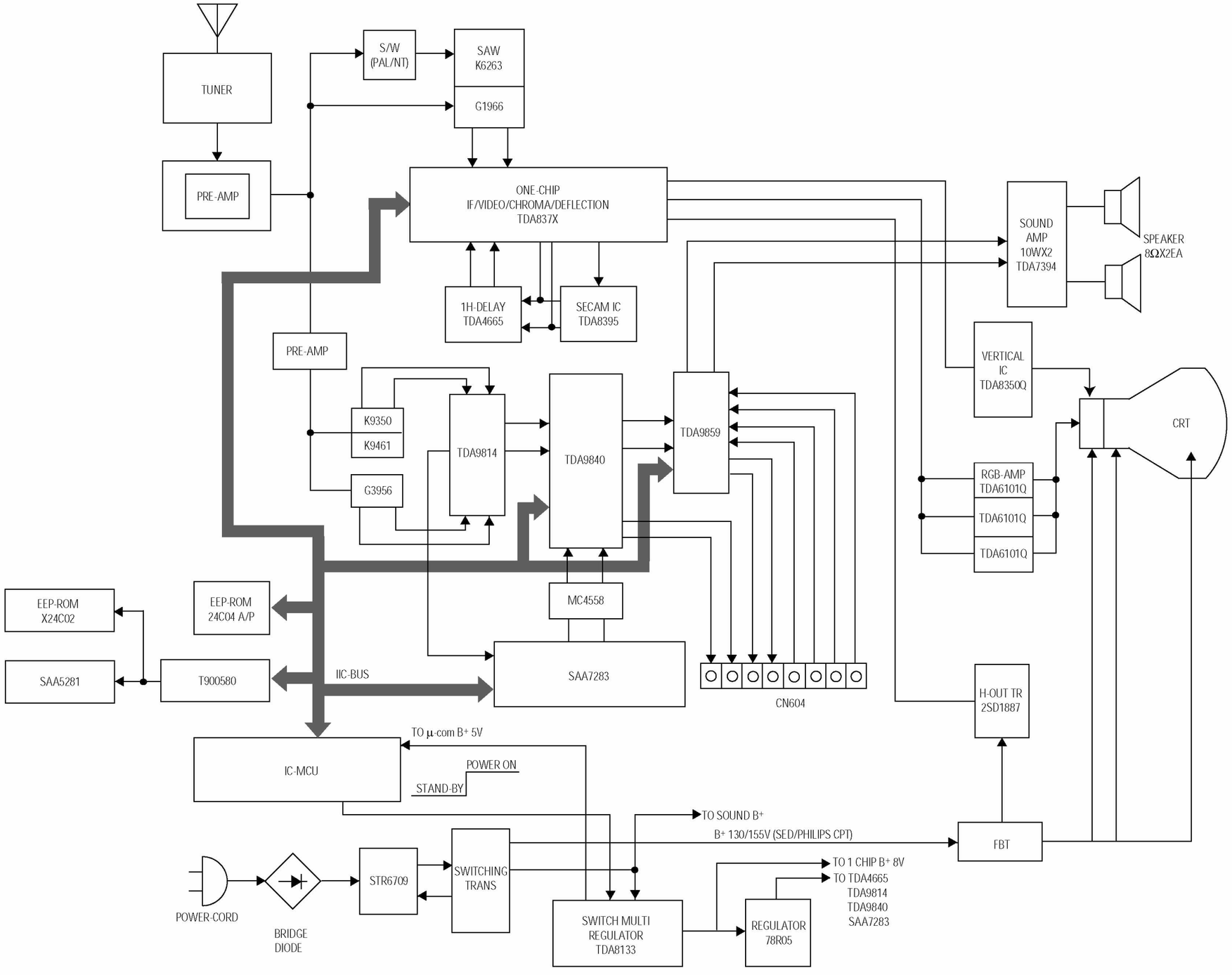
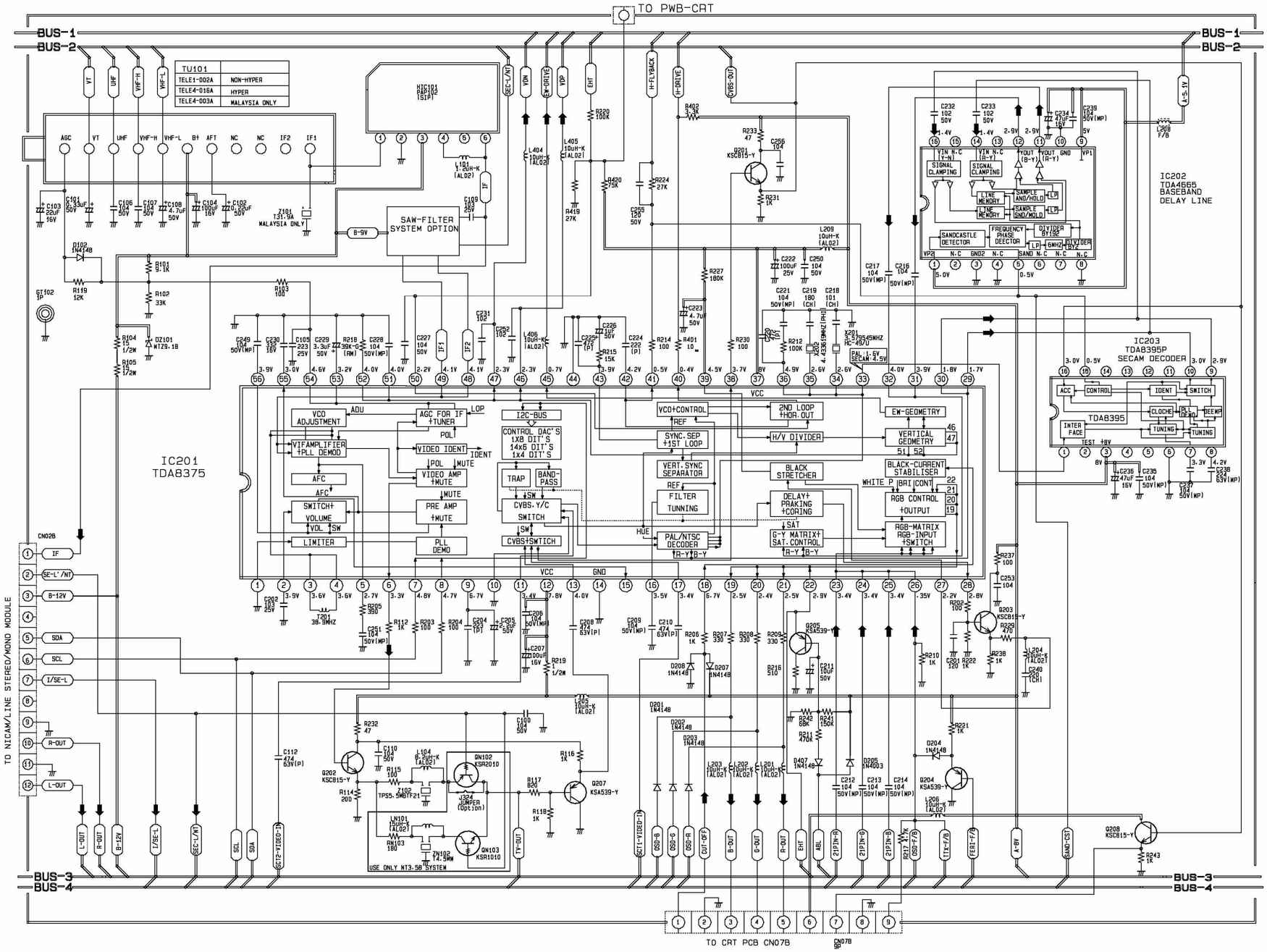
8. System Block Diagram



10. Schematic Diagrams

10-1 PWB-MAIN (One-Chip)



OPTION LIST

LOC.NO	SYSTEM CPTION		
	CS SYSTEM	CX.CK SYSTEM	CB SYSTEM
C111*	50V 102	JUMPER	JUMPER
DN101	1S 2186	DELETE	DELETE
J324	DELETE	JUMPER	JUMPER
LN101	AL02 15UH	DELETE	DELETE
QN101	BC-548	DELETE	DELETE
QN102	KSR2010	DELETE	DELETE
QN103	KSR1010	DELETE	DELETE
R115	RD 1/8T 100	RD 1/8T 120	RD 1/8T 120
RN101	RD 1/8T 56K	DELETE	DELETE
RN102	RD 1/8T 2.2K	DELETE	DELETE
RN103	RD 1/8T 180	DELETE	DELETE
RN104	RD 1/8T 2.2K	DELETE	DELETE
RN106	RD 1/8T 2.2K	DELETE	DELETE
SFN101	K6263K	G3956	G3956
ZN102	TPS 4.5MW	DELETE	DELETE
Z102	TPS 5.5MB	TPS 5.5MW	TPS 5.5MB
C235	50V 104-J	50V 104-J	DELETE
C236	16V 47UF	16V 47UF	DELETE
C237	50V 104-J	50V 104-J	DELETE
C238	50V 224-J	50V 224-J	DELETE
IC203	TDA8395P	TDA8395P	DELETE

CAPACITOR	
Ceramic - SL	No Mark
Ceramic - RH	(RH)
Ceramic - CH	(CH)
Polyester(Induct)	(P)
Polyester(Noninduct)	(PWU)
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	(RN)
Fusible	(RF)
Cement.Wire	(RW)
Network	(RN)

WARNING : THIS RECEIVER CONTAINS SAFETY CRITICAL COMPONENTS. ALL PARTS SHOWN IN THE SHADED AREAS OF THE SCHEMATIC ARE SAFETY CRITICAL FOR CONTINUED SAFETY. REPLACE SAFETY CRITICAL COMPONENTS. ONLY WITH MANUFACTURER'S RECOMMENDED PARTS. REFER TO PARTS LIST FOR EXACT REPLACEMENTS .

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 areexpressed in uH.and the values less than 1 in mH.

NOTE

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

10-2 PWB-MAIN(Power)

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 areexpressed in uH.and the values less than 1 in mH.

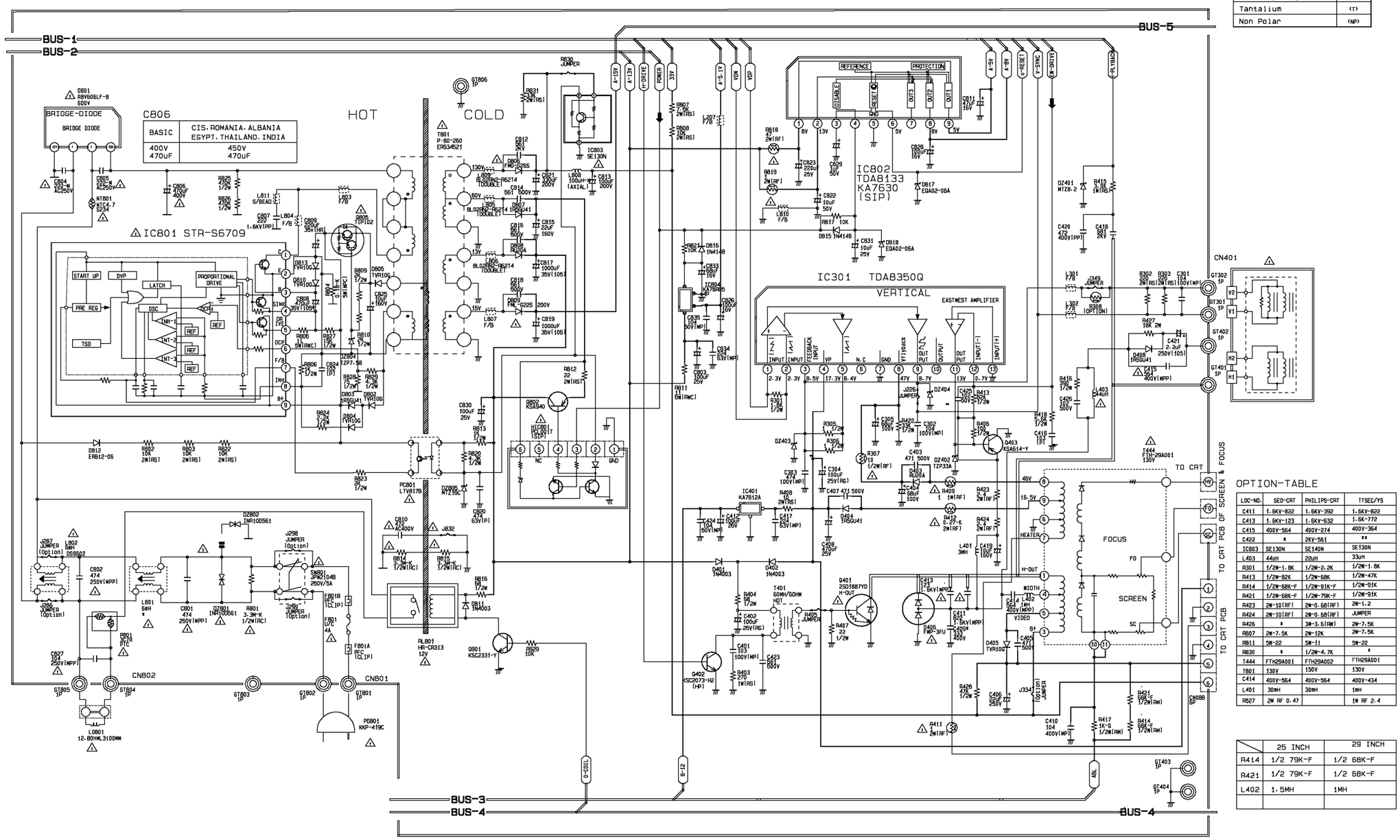
NOTE

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

WARNING ! THIS RECEIVER CONTAINS SAFETY CRITICAL COMPONENTS. ALL PARTS SHOWN IN THE SHADED AREAS OF THE SCHEMATIC ARE SAFETY CRITICAL FOR CONTINUED SAFETY.REPLACE SAFETY CRITICAL COMPONENTS. ONLY WITH MANUFACTURER'S RECOMMENDED PARTS. REFER TO PARTS LIST FOR EXACT REPLACEMENTS .

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

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



LOC-NO.	SED-CRT	PHILIPS-CRT	TTSEC/YS
C411	1.6KV-822	1.6KV-392	1.6KV-822
C413	1.6KV-123	1.6KV-632	1.5K-772
C415	400V-564	400V-274	400V-364
C422	*	2KV-551	**
IC803	SE130N	SE140N	SE130N
L403	44uH	22uH	33uH
R301	1/2W-1.8K	1/2W-2.2K	1/2W-1.8K
R413	1/2W-82K	1/2W-56K	1/2W-47K
R414	1/2W-68K-F	1/2W-91K-F	1/2W-91K
R421	1/2W-68K-F	1/2W-75K-F	1/2W-91K
R423	2W-10(RF)	2W-0.68(RF)	2W-1.2
R424	2W-10(RF)	2W-0.68(RF)	JUMPER
R426	*	3W-3.6(RW)	2W-7.5K
R807	2W-7.5K	2W-12K	2W-7.5K
R811	5W-22	5W-11	5W-22
R830	*	1/2W-4.7K	*
T444	FTH29A001	FTH29A002	FTH29A001
TB01	130V	150V	130V
C414	400V-564	400V-564	400V-434
L401	30mH	30mH	1mH
R527	2W RF 0.47		1W RF 2.4

	25 INCH	29 INCH
R414	1/2 79K-F	1/2 68K-F
R421	1/2 79K-F	1/2 68K-F
L402	1.5MH	1MH

10-3 PWB-MAIN (μ – com)

EXPRESSION

1 Resistance is shown ohm K=1.000 M=1.000.000

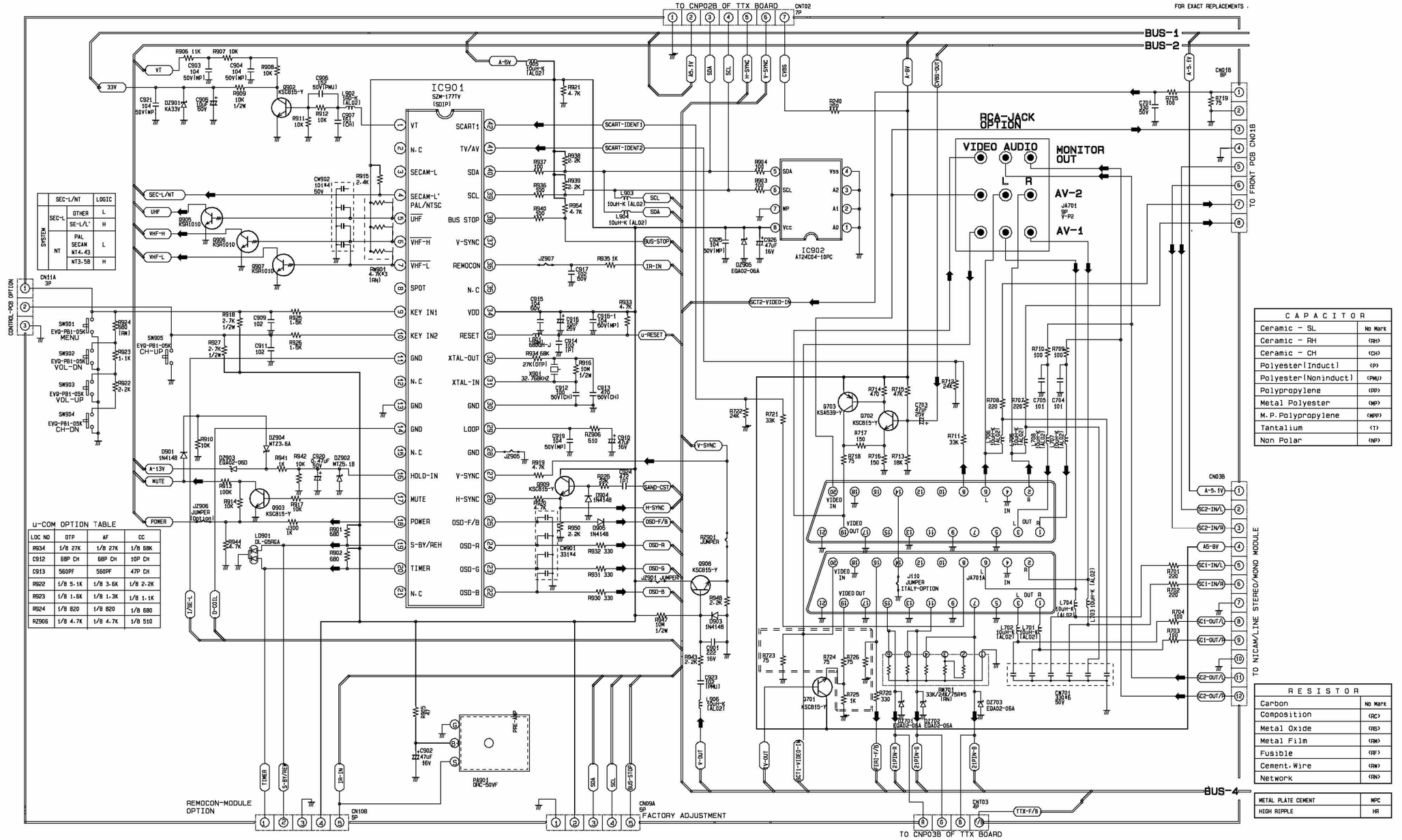
2 Unless otherwise noted in schematic all capacitor values less than 1 are expressed in ufd. the values more than 1 in pF.

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

NOTE

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

WARNING : THIS RECEIVER CONTAINS SAFETY CRITICAL COMPONENTS. ALL PARTS SHOWN IN THE SHADED AREAS OF THE SCHEMATIC ARE SAFETY CRITICAL FOR CONTINUED SAFETY.REPLACE SAFETY CRITICAL COMPONENTS. ONLY WITH MANUFACTURER'S RECOMMENDED PARTS. REFER TO PARTS LIST FOR EXACT REPLACEMENTS .

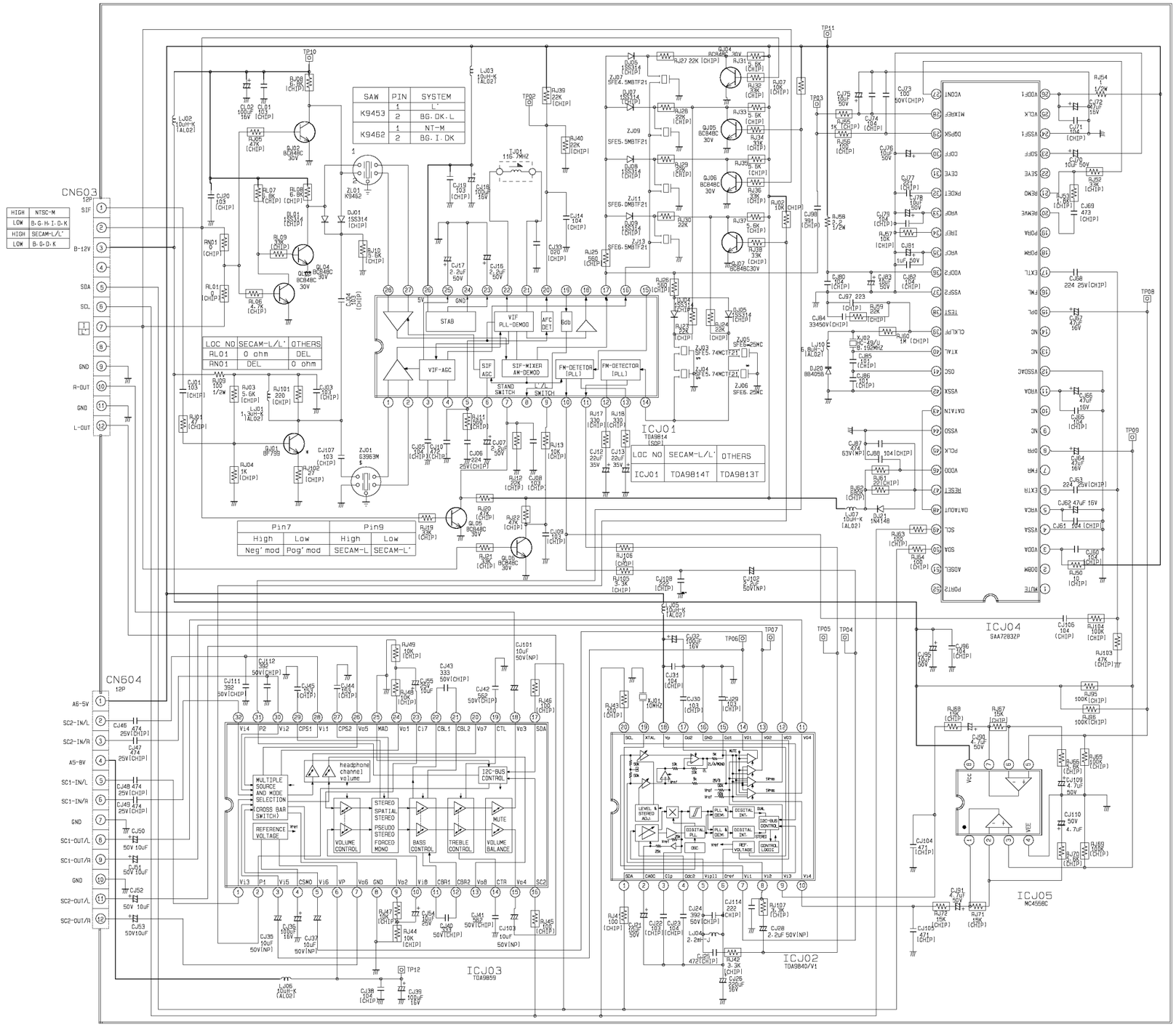


CAPACITOR	
Ceramic - SL	No Mark
Ceramic - RH	(RH)
Ceramic - CH	(CH)
Polyester(Induct)	(P)
Polyester(Noninduct)	(PMJ)
Polypropylene	(PP)
Metal Polyester	(MP)
M.P.Polypropylene	(MPP)
Tantalium	(T)
Non Polar	(NP)

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

METAL PLATE CEMENT	MPC
HIGH RIPPLE	HR

10-4 SOUND-MODULE



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 areexpressed in uH.and the values less than 1 in mH.

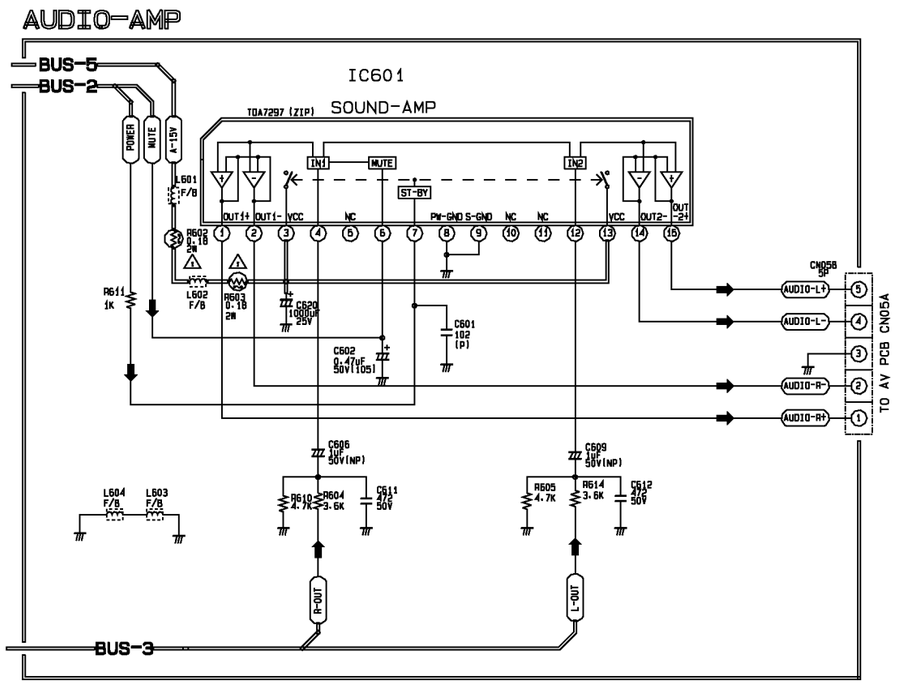
NOTE

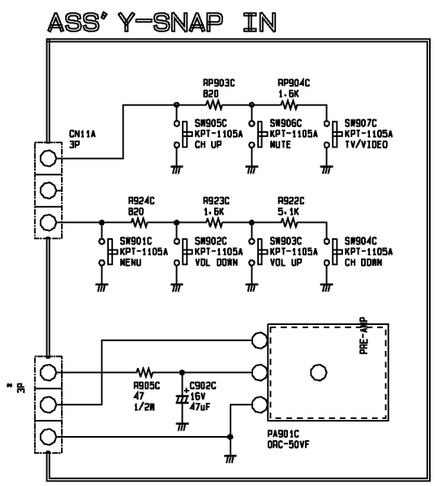
The circuits are subject to change without notice to improve the picture quality.

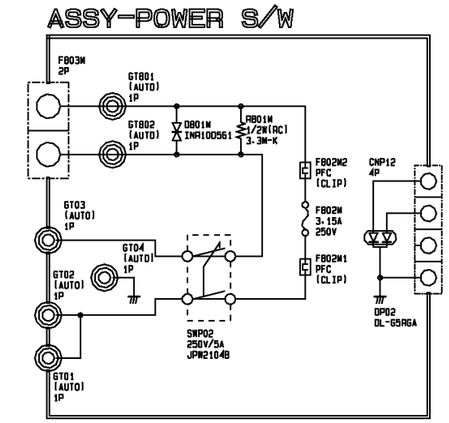
CAPACITOR	
Ceramic - SL	No Mark
Ceramic - RH	(RH)
Ceramic - CH	(CH)
Polyester(Induct)	(P)
Polyester(Noninduct)	(PW)
Polypropylene	(PP)
Metal Polyester	(MP)
M.P.Polypropylene	(MPP)
Tantalium	(T)
Non Polar	(NP)

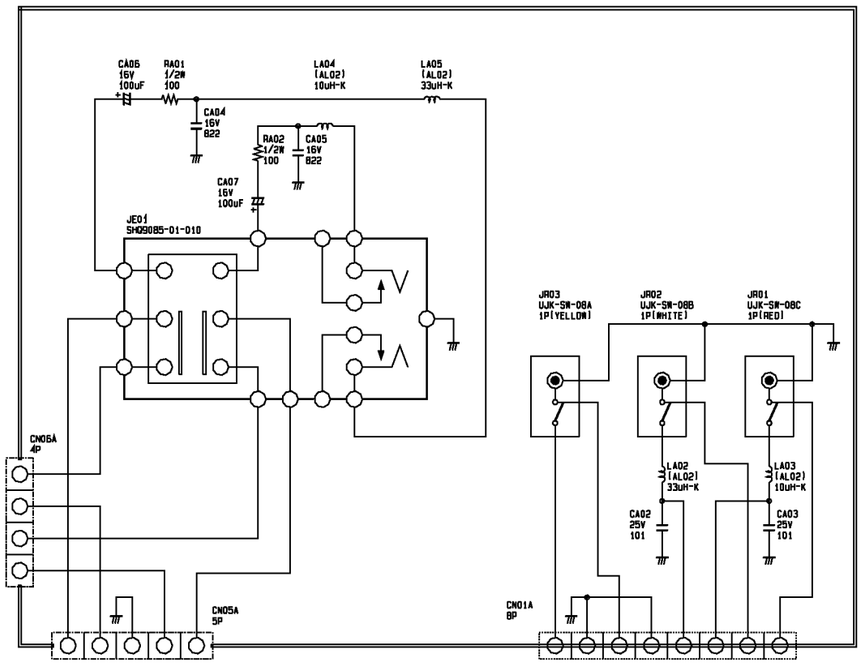
RESISTOR	
Carbon	No Mark
Composition	(RC)
Metal Oxide	(RS)
Metal Film	(RM)
Fusible	(RF)
Cement·Wire	(RW)
Network	(RN)

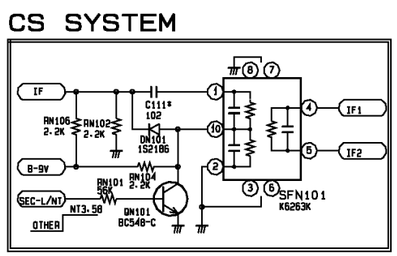
10-5 PWB-MAIN (Audio - AMP)

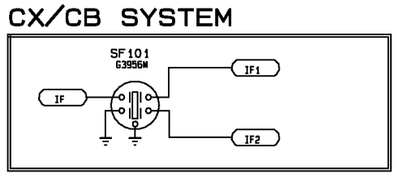












CAPACITOR	
Ceramic - SL	No Mark
Ceramic - RH	(RH)
Ceramic - CH	(CH)
Polyester(Induct)	(P)
Polyester(Noninduct)	(PNU)
Polypropylene	(PP)
Metal Polyester	(MP)
M.P.Polypropylene	(MPP)
Tantalium	(T)
Non Polar	(NP)

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

WARNING : THIS RECEIVER CONTAINS SAFETY CRITICAL COMPONENTS. ALL PARTS SHOWN IN THE SHADED AREAS OF THE SCHEMATIC ARE SAFETY CRITICAL FOR CONTINUED SAFETY. REPLACE SAFETY CRITICAL COMPONENTS. ONLY WITH MANUFACTURER'S RECOMMENDED PARTS. REFER TO PARTS LIST FOR EXACT REPLACEMENTS .

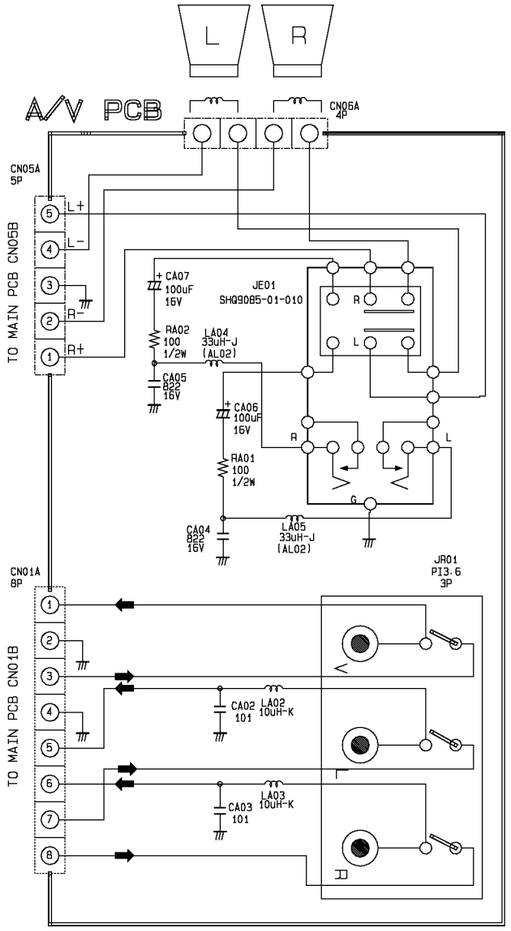
EXPRESSION

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 areexpressed in uH.and the values less than 1 in mH.

NOTE

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

10-6 PWB-A/V



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.

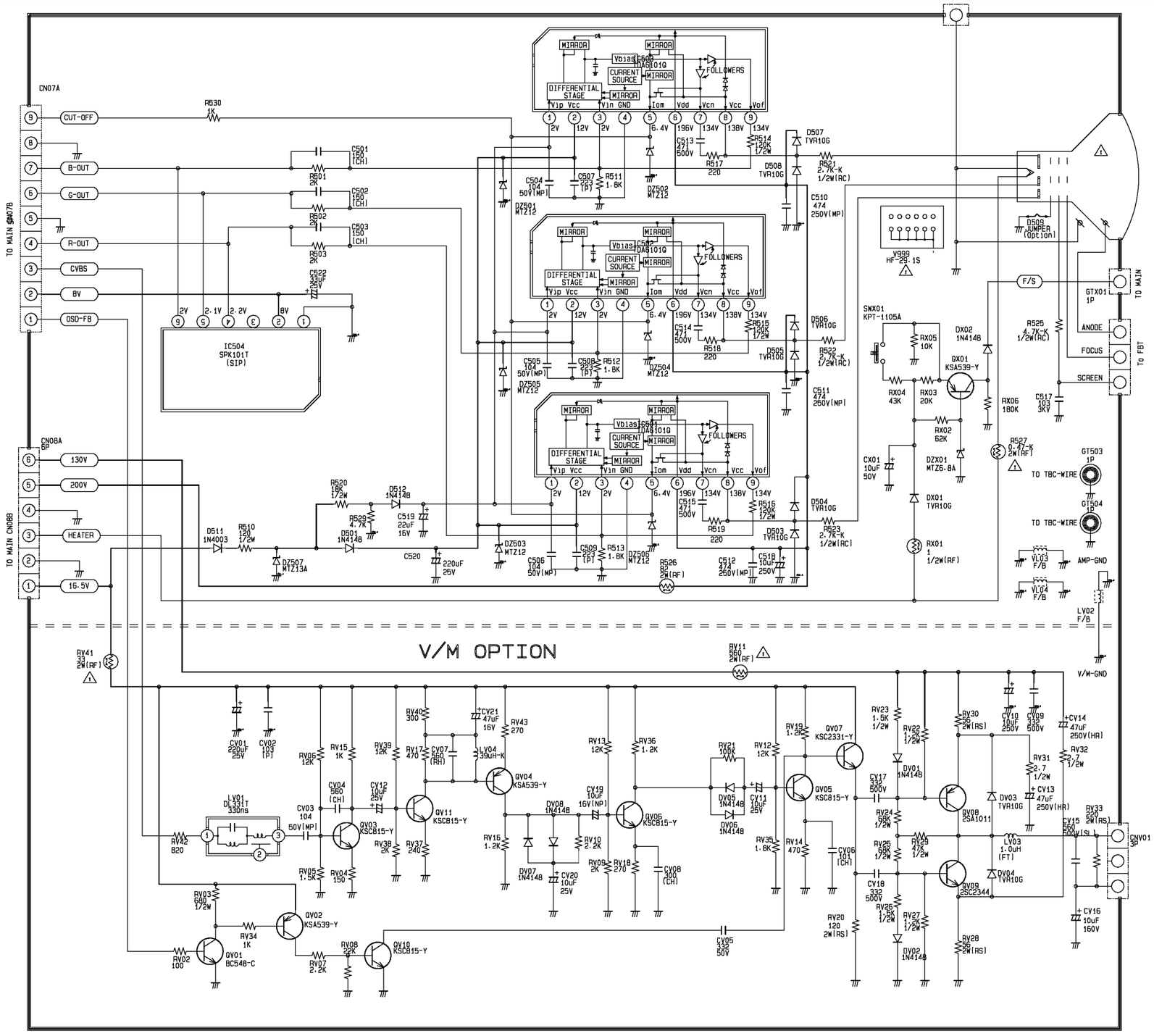
NOTE

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

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)

10-7 PWB-CRT



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)

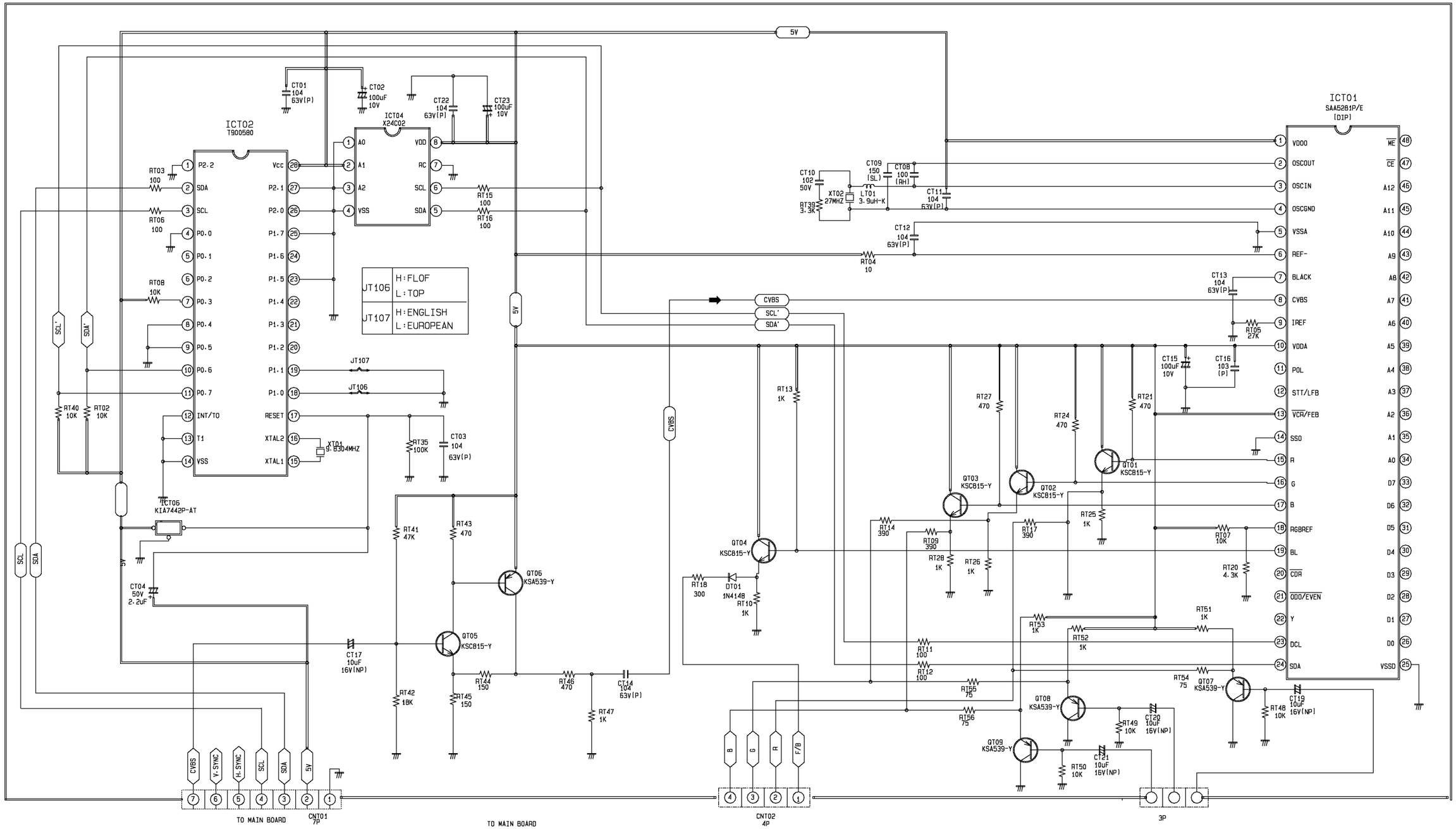
EXPRESSION

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 areexpressed in uH.and the values less than 1 in mH.

NOTE

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

10-8 PWB-TTX


ICT01
SAA5281P/E
(DIP)
ICT02
T900580
ICT04
X24C02
ICT05
KIA7442P-AT
5V
CVBS
SCL'
SDA'
JT106 H:FLOF L:TOP
JT107 H:ENGLISH L:EUROPEAN
XT01 9.8304MHZ
XT02 27MHZ
LT01 3.9uH-K
QT01 KSC815-Y
QT02 KSC815-Y
QT03 KSC815-Y
QT04 KSC815-Y
QT05 KSC815-Y
QT06 KSA539-Y
QT07 KSA539-Y
QT08 KSA539-Y
QT09 KSA539-Y
DT01 1N4148
TO MAIN BOARD
CNT01 7P
TO MAIN BOARD
CNT02 4P
3P