

SECTION 4
CHARTS AND DIAGRAMS

4.1 BOARD INTERCONNECTIONS

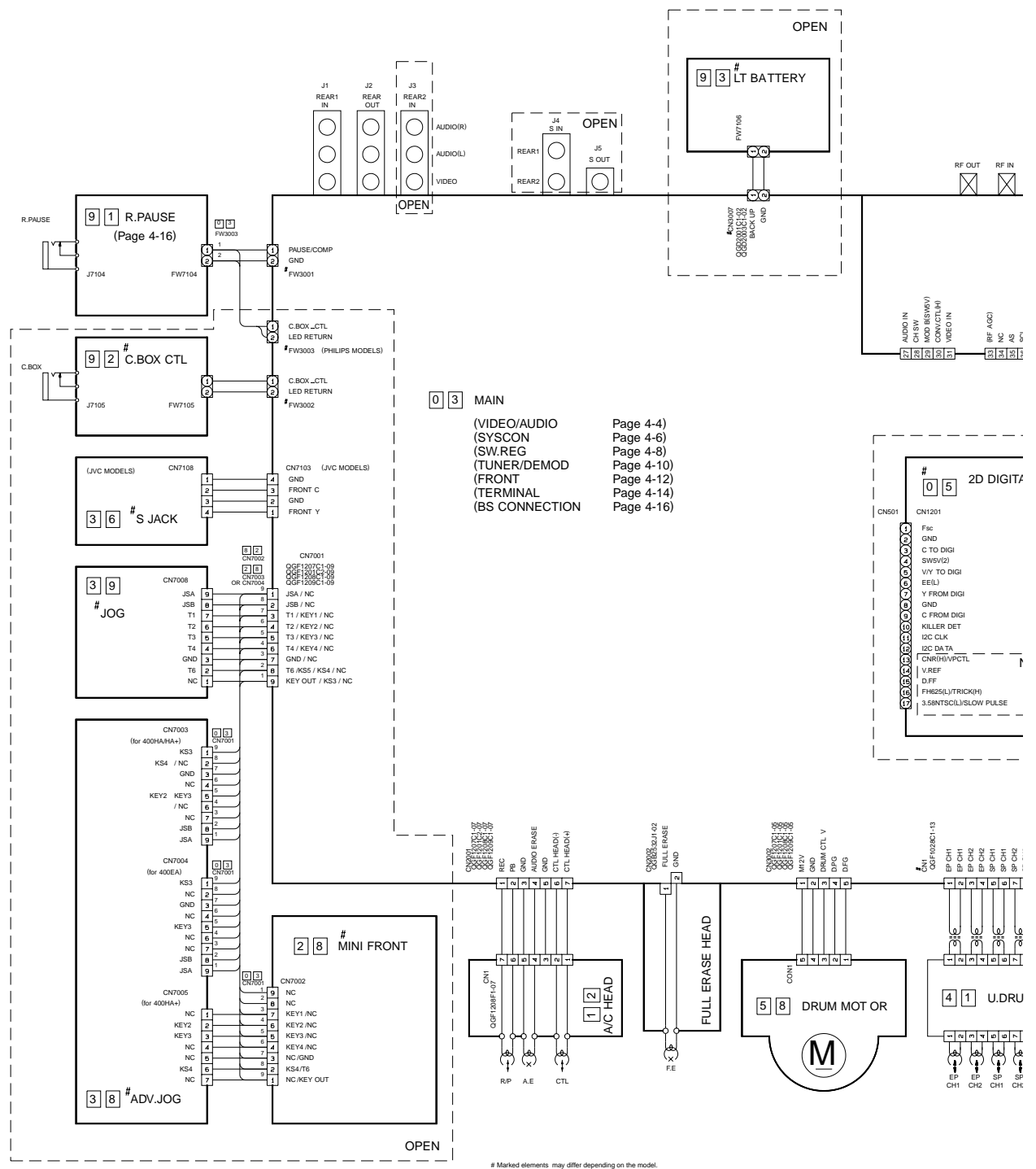
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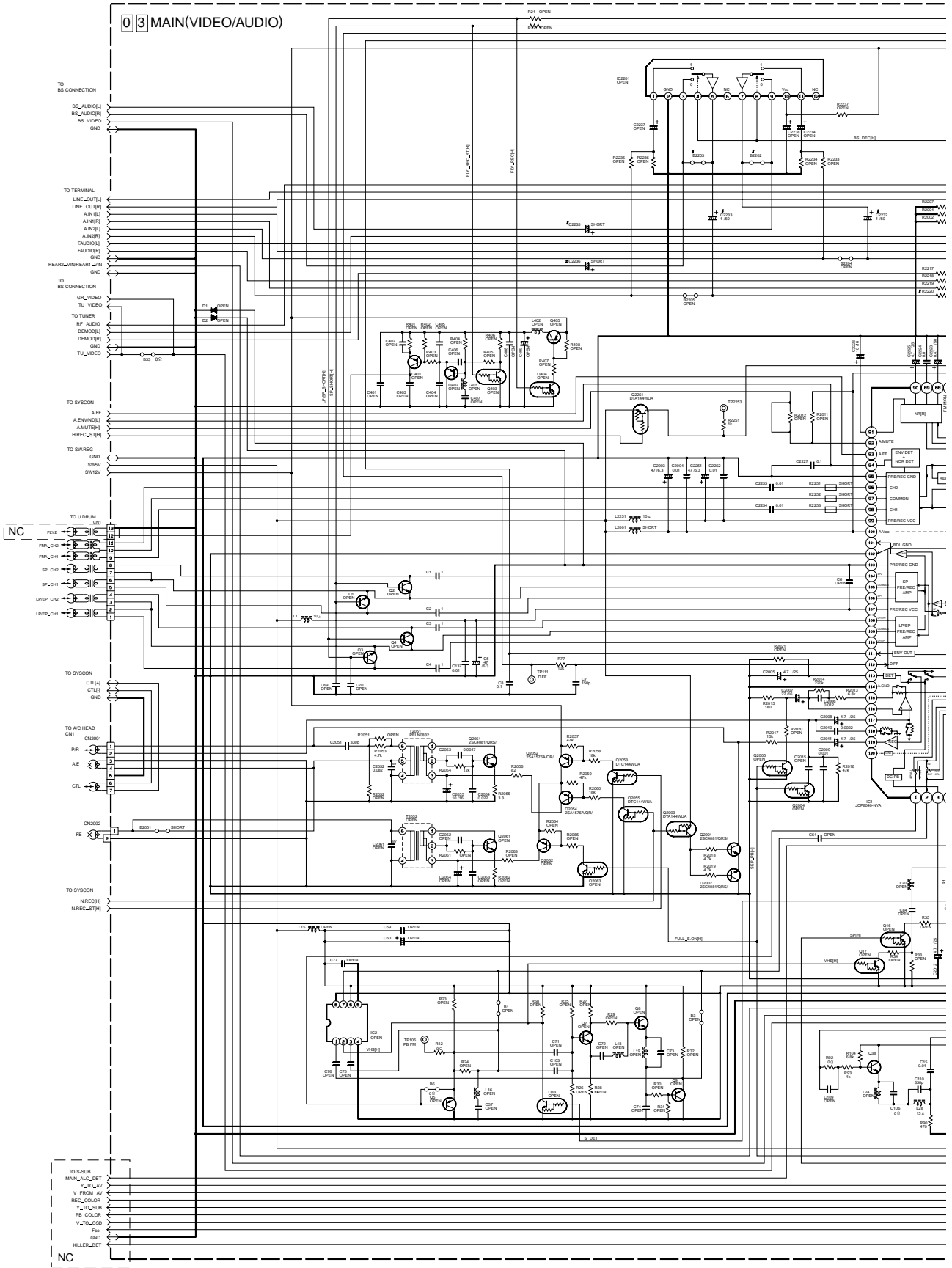
1



96	GR
93	LT BATTERY
92	C.BOX CTL
91	R.PAUSE
76	BS TUNER
58	DRUM MOT OR
57	CAP MDA
55	LOADING MOT OR
41	U.DRUM
39	JOG
38	ADV.JOG
36	S JACK
28	MINI FRONT
14	DEM OD
12	A/C HEAD
09	BS SUB
05	2D DIGITAL
03	MAIN
NO	NAME

Marked elements may differ depending on the model. Be sure to check the parts list.

4.2 MAIN (VIDEO/AUDIO) SCHEMATIC DIAGRAM



#DIFFERENCE TABLE

MODEL	SYMBOL	C52	R2213, R2215, R2230, R2225	C2218, C2219, C2230, C2233	C2235, C2236, B2202, B2203	SYMBOL	R2202, R2203	R2204, R2205
BS TUNER	YES	O		O		LIND	O	1k
	NO	X		X			X	0.0

O : Used
x : Not used

5

4

3

2

1

4-4

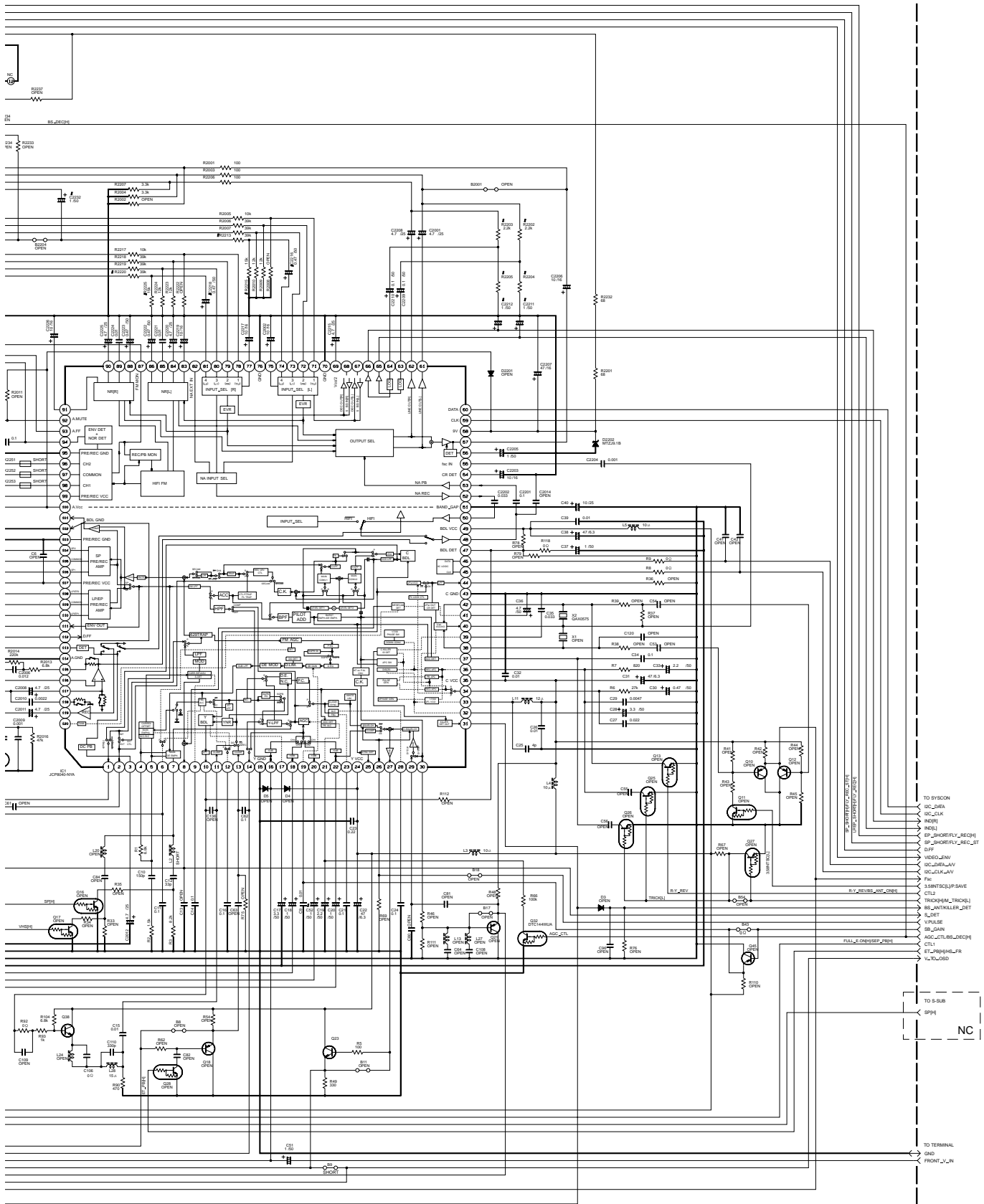
A

B

C

D

Note : The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only. When replacing the parts, refer to the Parts List.

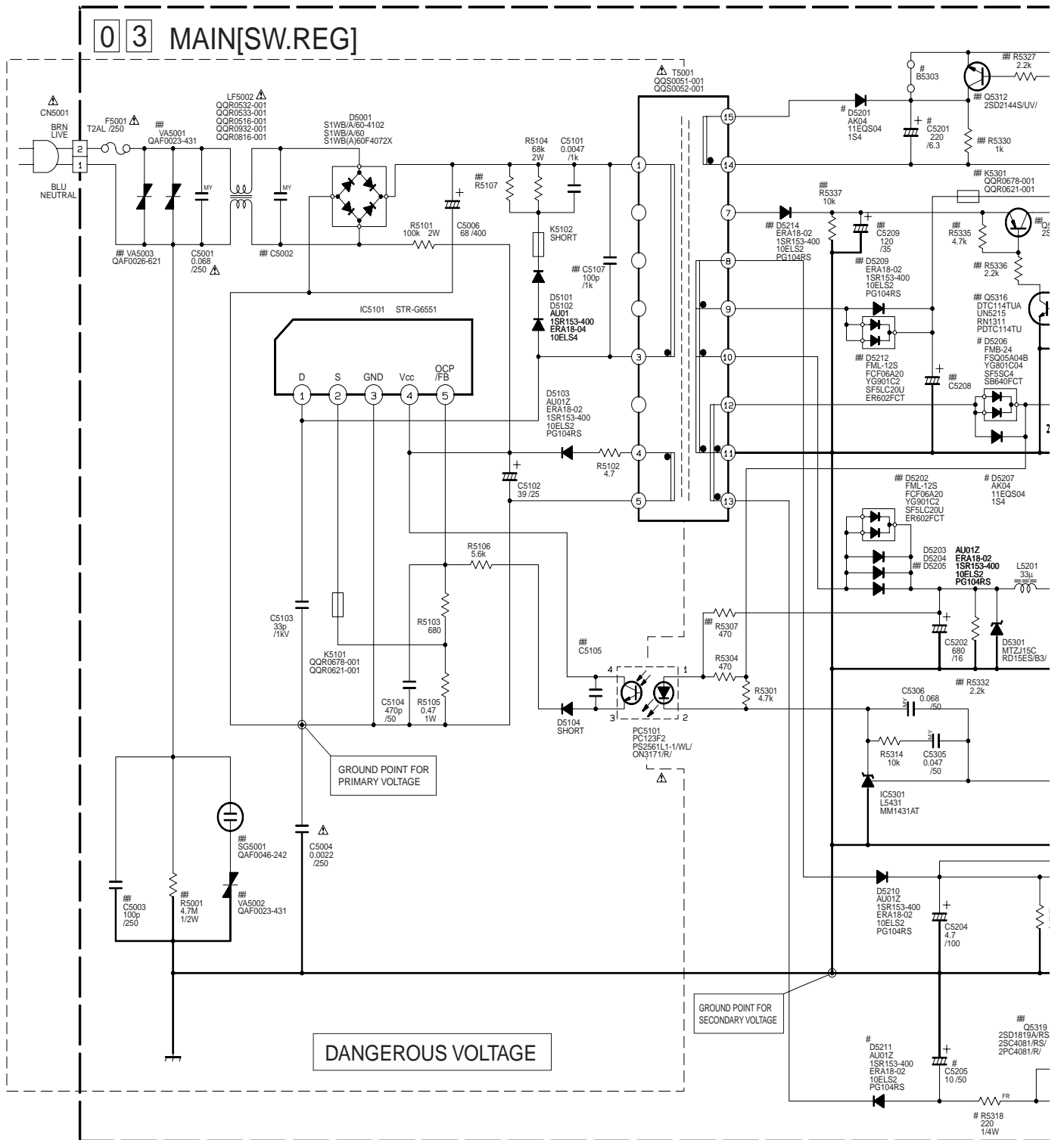


NOTES UNLESS OTHERWISE SPECIFIED.
 ALL RESISTANCE VALUES ARE IN OHMS.
 ALL INDUCTANCE VALUES ARE IN H.
 ALL CAPACITANCE VALUES ARE IN μ F.
 ALL NPN TYPE TRANSISTORS ARE 2SC4081(QRS)
 ALL PNP TYPE TRANSISTORS ARE 2SA1576A(QR)
 [Symbol] ELECTROLYTIC
 [Symbol] CERAMIC
 [Symbol] MYLAR
 [Symbol] NON POLAR

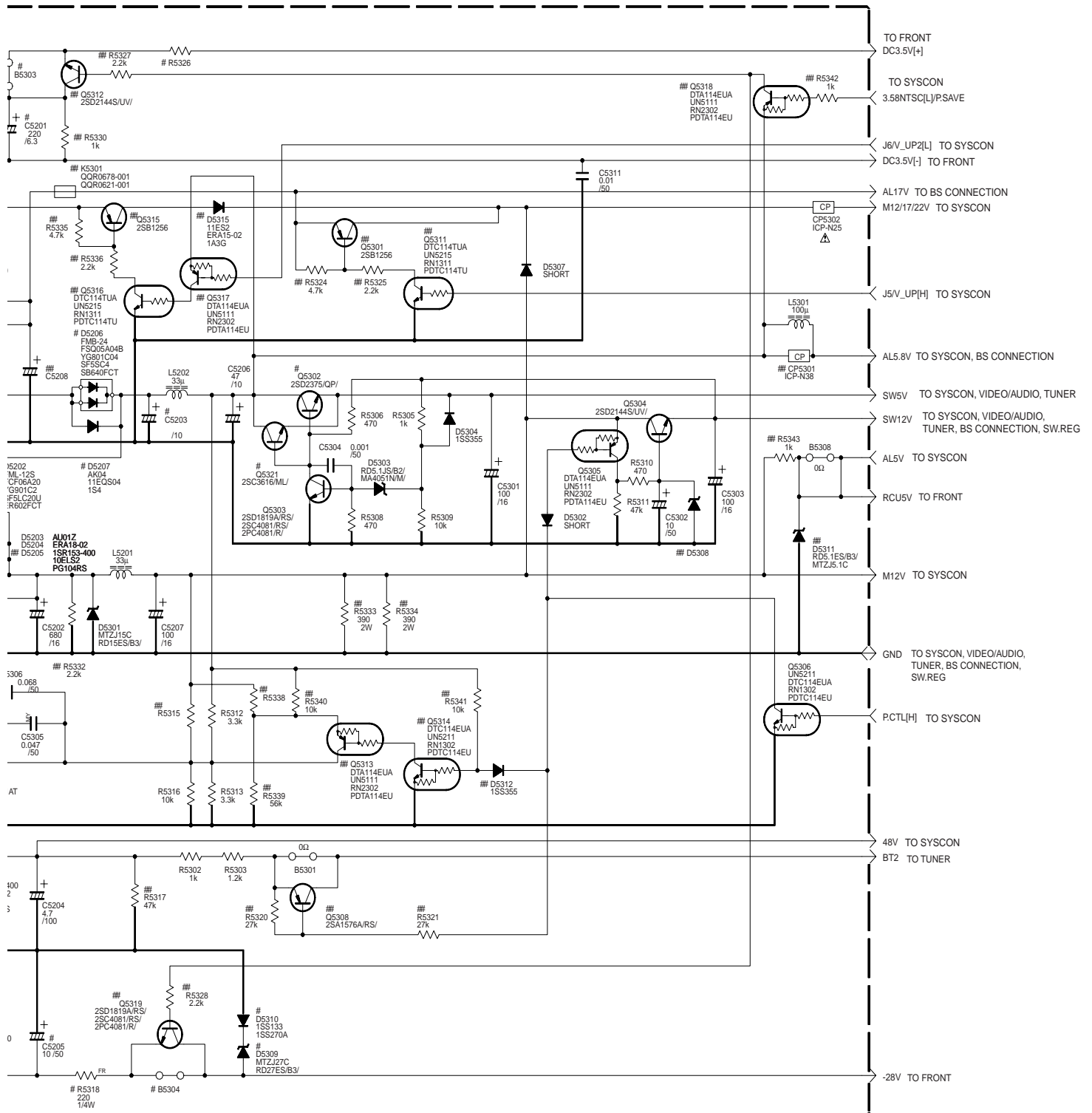
p10348001a_rev0

4.4 MAIN (SW.REG) SCHEMATIC DIAGRAM

Not



Note : The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only. When replacing the parts, refer to the Parts List.

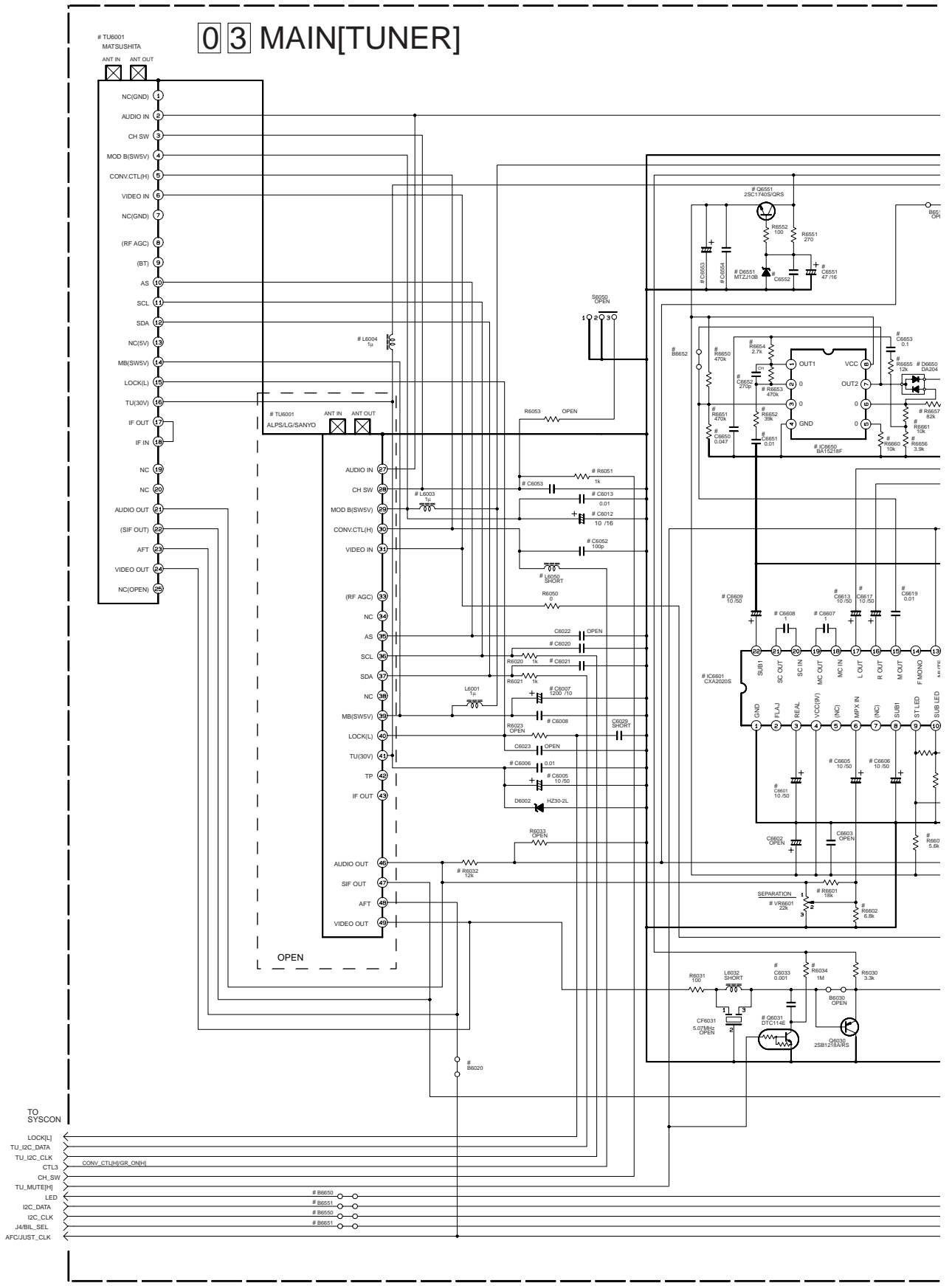


NOTES: UNLESS OTHERWISE SPECIFIED.
 ALL RESISTANCE VALUES ARE IN OHMS.
 ALL INDUCTANCE VALUES ARE IN H.
 ALL CAPACITANCE VALUES ARE IN μ F.

- ELECTROLYTIC
- CERAMIC
- MYLER
- NON POLAR

4.5 MAIN (TUNER/DEMOD) SCHEMATIC DIAGRAM

5
4
3
2
1



4-10 A B C D

4.7 MAIN (TERMINAL) SCHEMATIC DIAGRAM

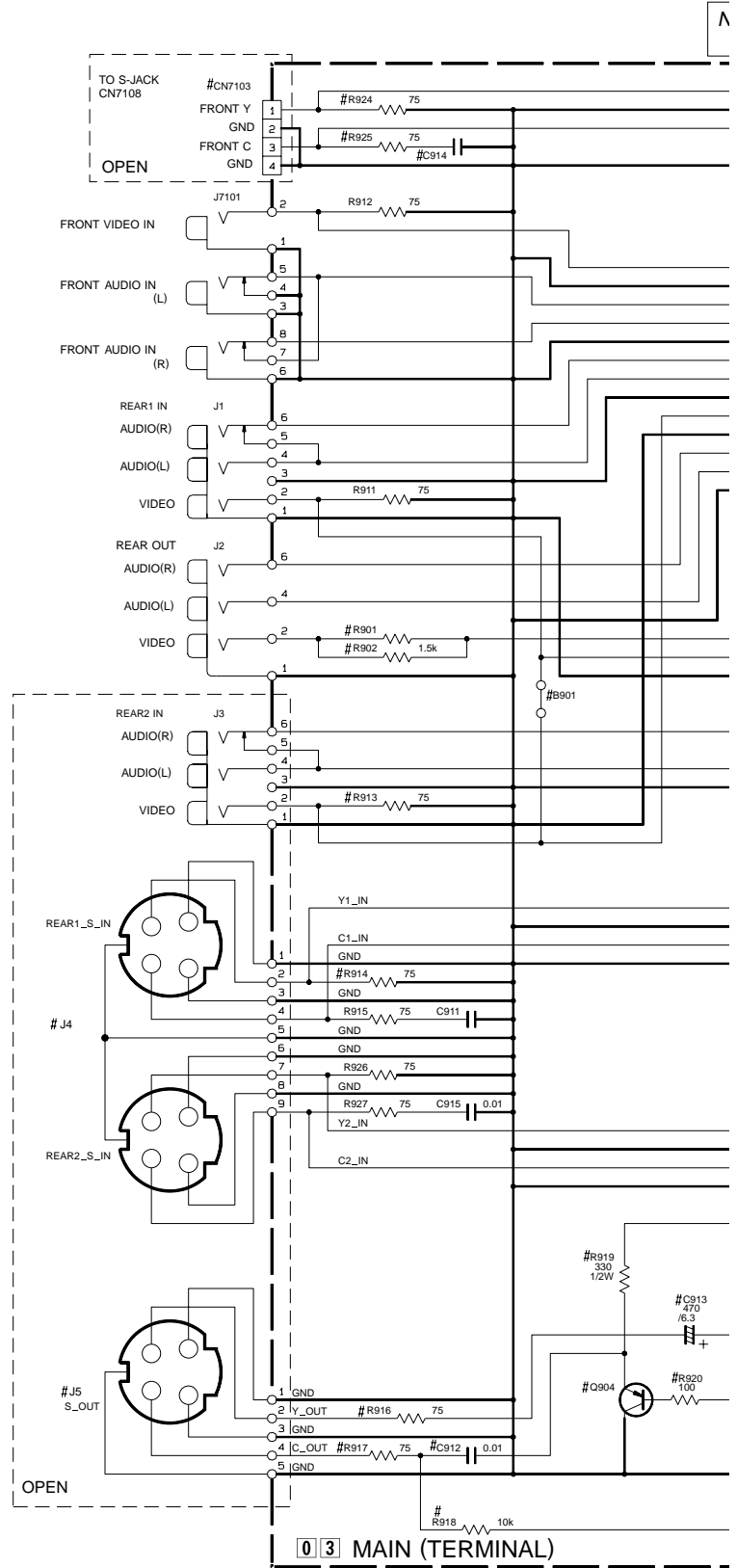
5

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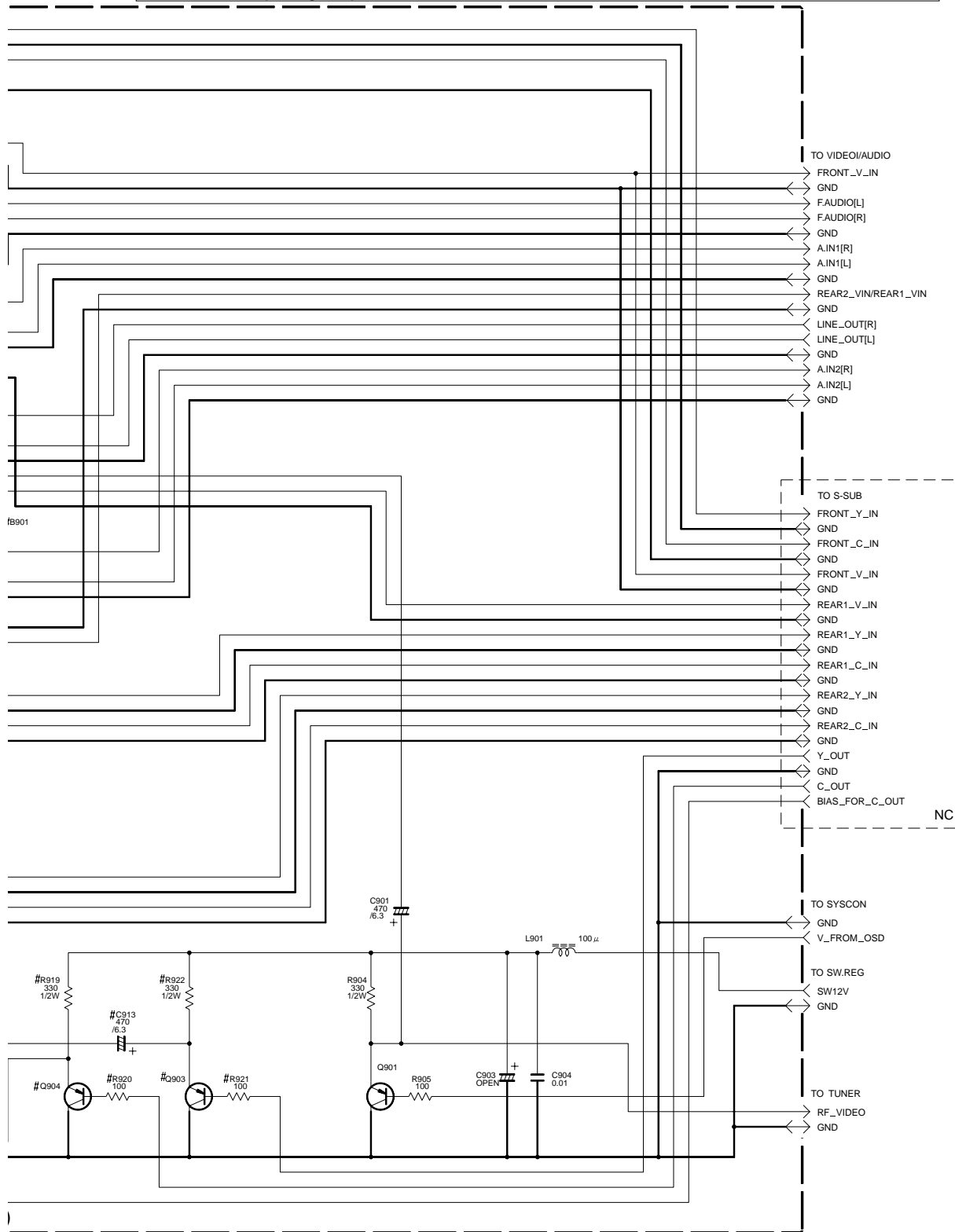


DIFFERENCE TABLE

○ : Used
x : Not used

MODEL	SYMBOL	R913 J3	J4	R924 R925 CN7103	C914	R926 R927 C915	R918	C911	R902 R914 R919
S-VHS JPN F_S_IN REAR2_IN		○	S1/S2	○	0.01	○	○	0.01	
S-VHS JPN F_S_IN		x	S1	○	0.01	x	○	0.01	
S-VHS US F_S_IN		x	S1	○	0.01	x	x	0.01	
S-VHS US		x	S1	x	x	x	x	0.01	
VHS		x	x	x	x	x	x	x	

Note : The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only.
When replacing the parts, refer to the Parts List.



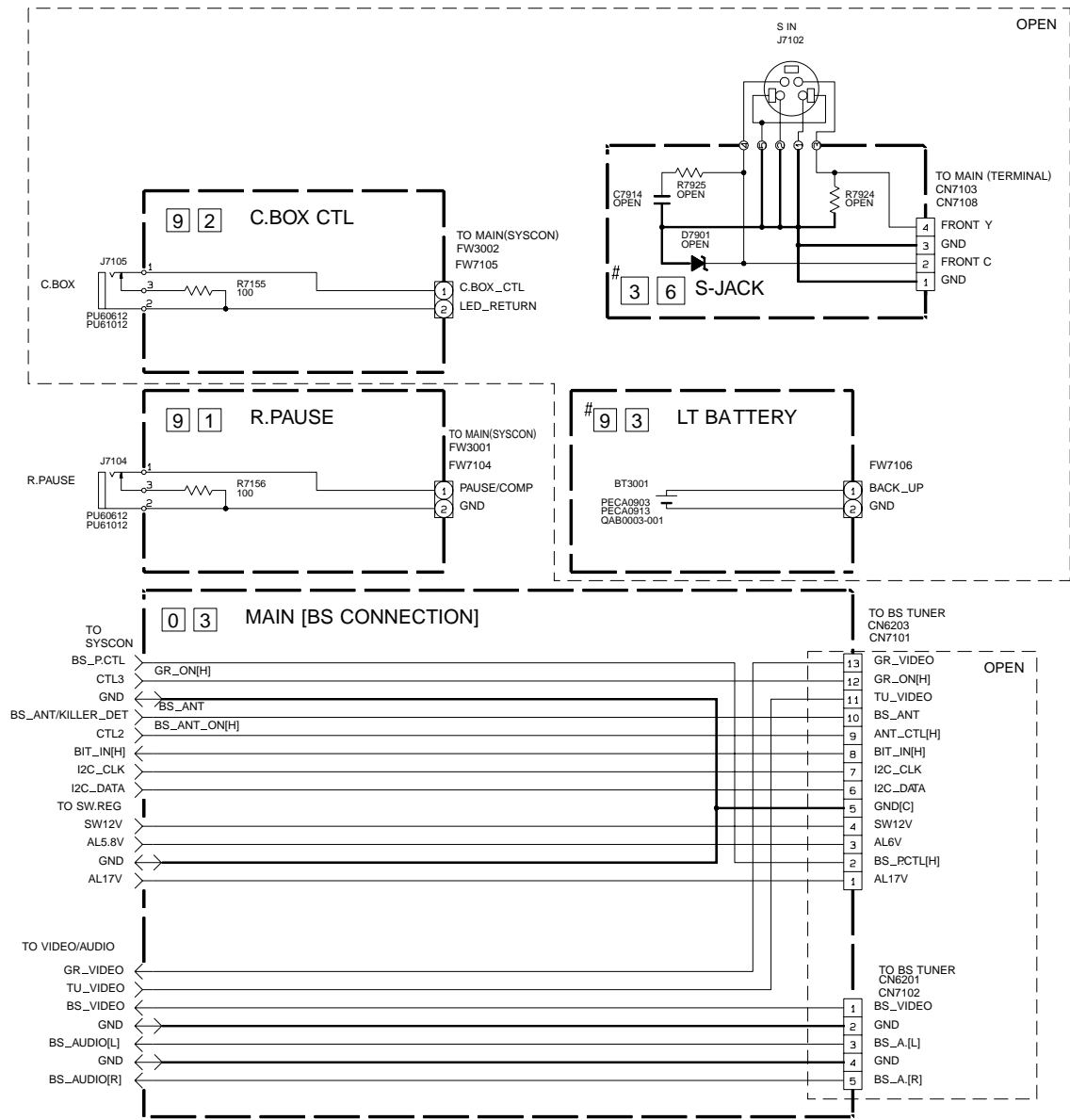
NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.
ALL NPN TYPE TRANSISTORS ARE 2SC4081/QRS/
ALL PNP TYPE TRANSISTORS ARE 2SA1576A/QR/

R918	C911	R902 R914-R917 R919-R922	Q903, Q904 C912, C913 J5	B901	R901
○	0.01		○	X	82
○	0.01		○	X	82
X	0Ω		○	X	82
X	0Ω		○	X	82
X	X		X	○	75

ELECTROLYTIC
 CERAMIC
 MYLER
 NON POLAR

4.8 MAIN (BS CONNECTION) AND R.PAUSE SCHEMATIC DIAGRAMS

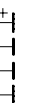
Nc



0 3

	BS MODELS	GR MODELS
CN7101	1-10	1-13

NOTES : UNLI
ALL RE
ALL IT
ALL C



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3

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4-16

A

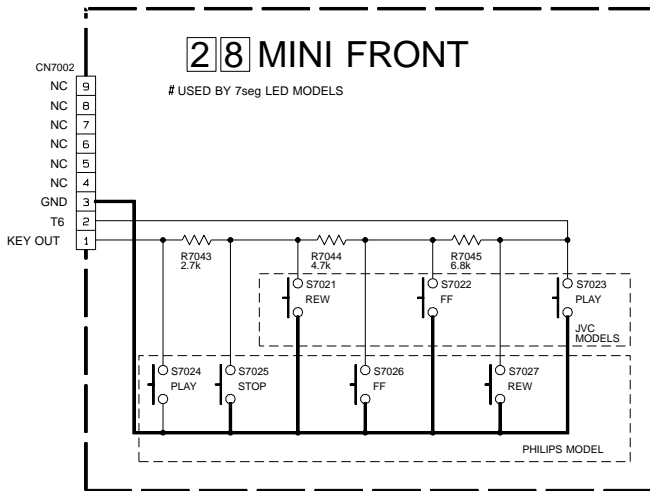
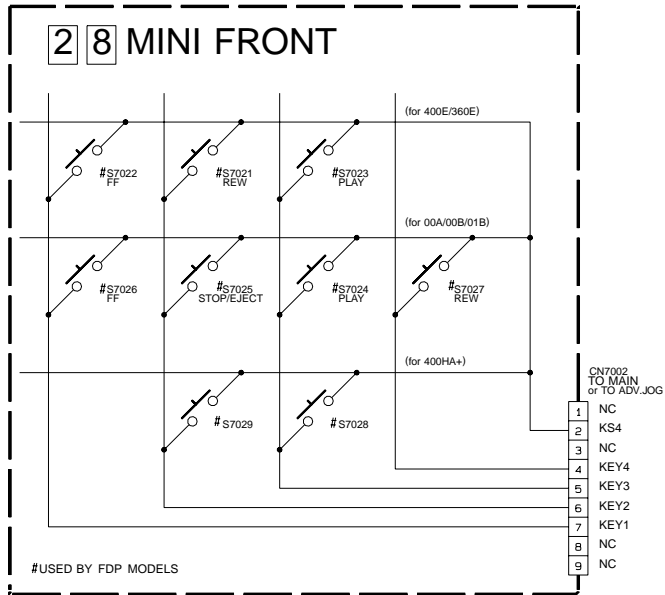
B

C

D

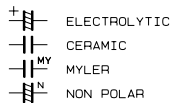
Note : The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only.
When replacing the parts, refer to the Parts List.

OPEN



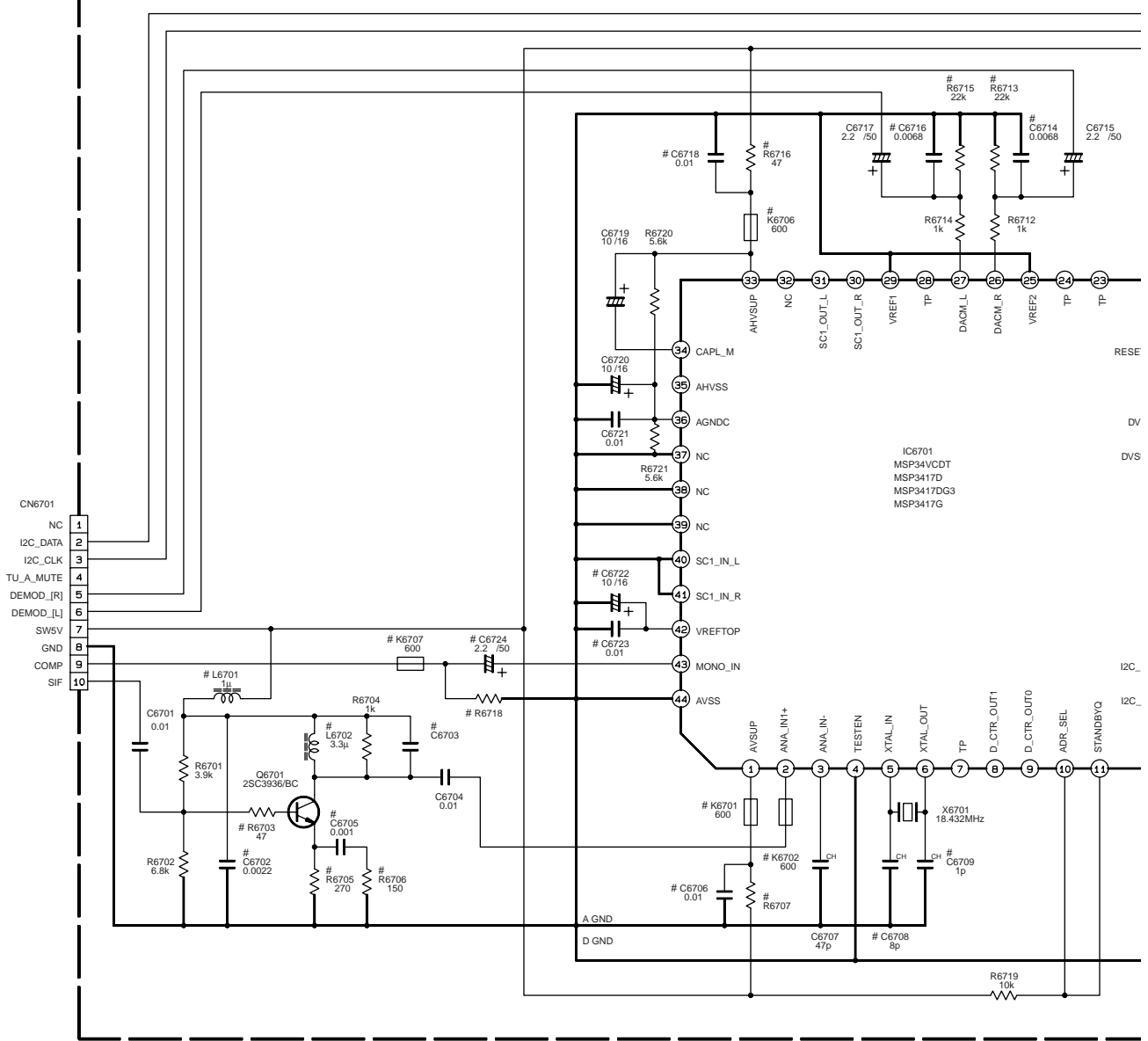
NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μ F.

Marked elements may differ depending on the model.
Be sure to check the parts list.



4.9 DEMODULATOR SCHEMATIC DIAGRAM

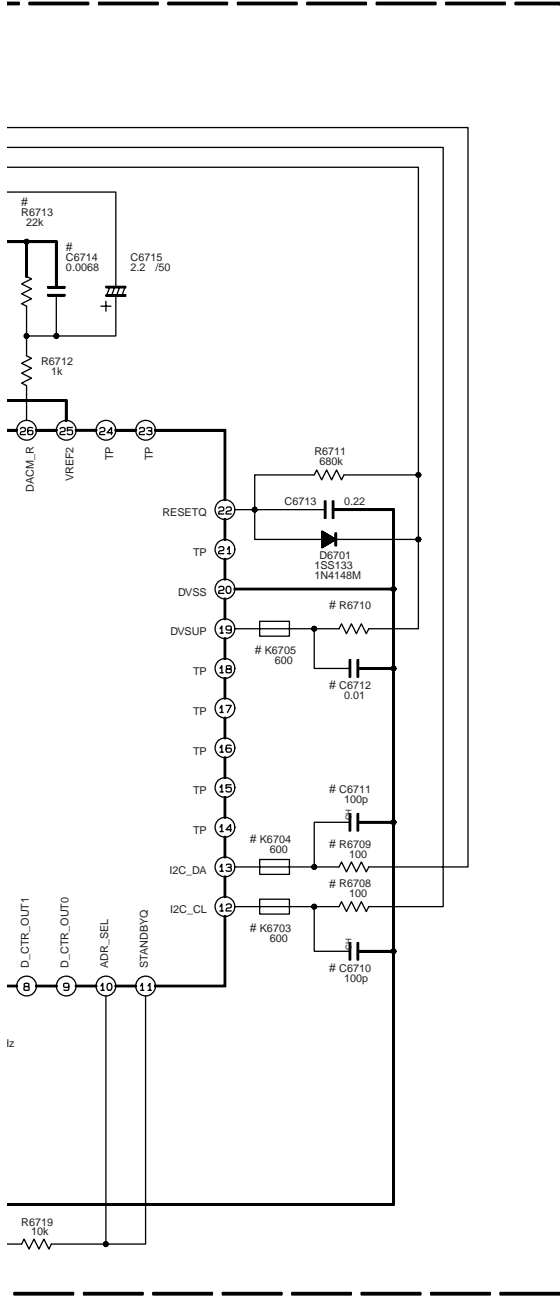
1 4 DEMOD



NOTES: UNLESS OTHERWISE SPECIFIED.
 ALL RESISTANCE VALUES ARE IN OHMS.
 ALL INDUCTANCE VALUES ARE IN H.
 ALL CAPACITANCE VALUES ARE IN μ F.

- ELECTROLYTIC
- CERAMIC
- MYLER
- NON POLAR

Note : The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only.
When replacing the parts, refer to the Parts List.



DIFFERENCE TABLE

○ :Used
× :Not used

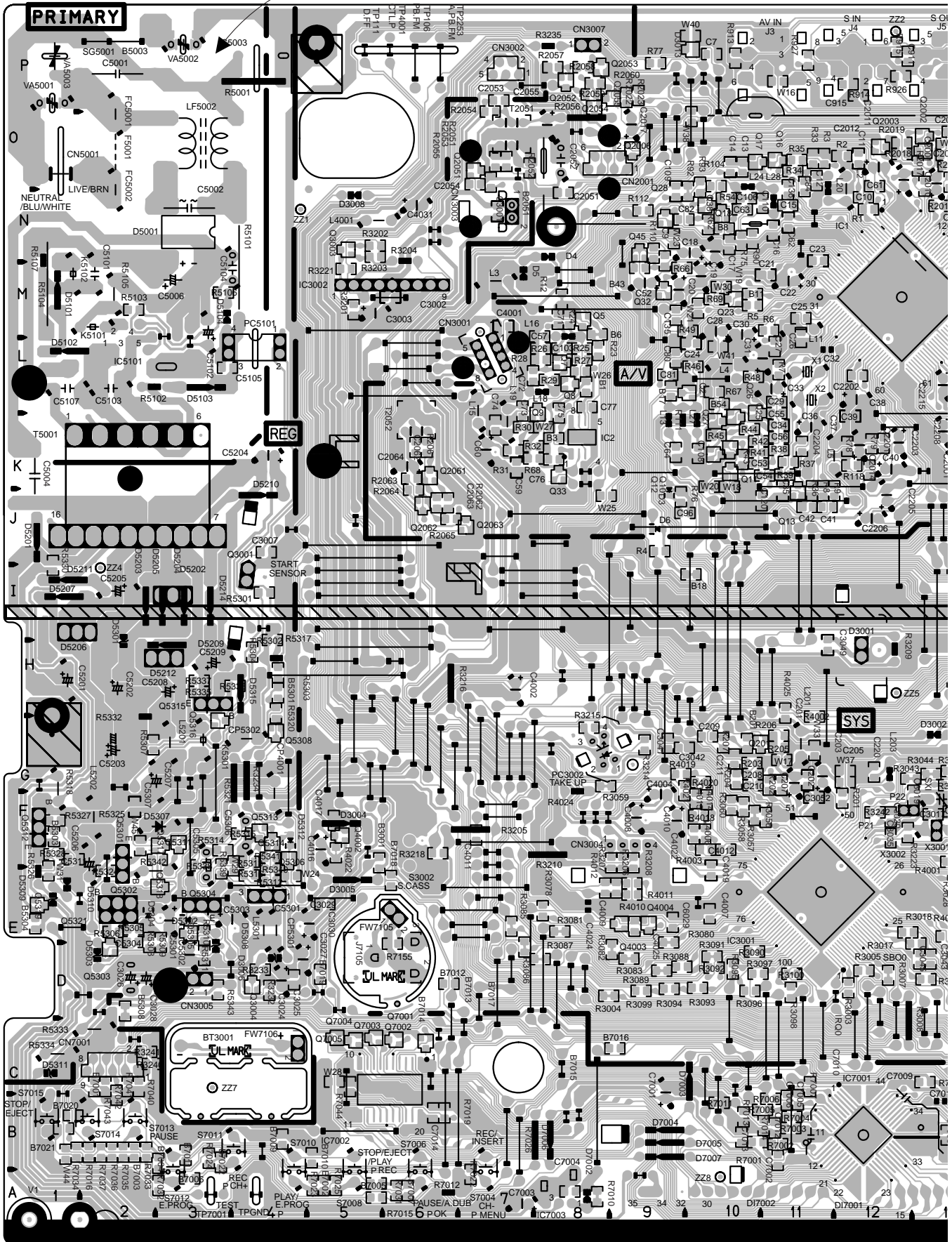
		V13			V14				
		FRANCE MS	EU/EK	ARC	EU/EK	FRANCE MS	KOREA	ARC 4SYSTEM	ARC 3SYSTEM
DEMOM PWB ASSY		LPA10094 -01*	LPA10094 -02*	LPA10094 -03*	LPA10094 -04*	LPA10094 -05*	LPA10094 -06*	LPA10094 -07*	LPA10094 -08*
PRE AMP	R6703	47	47	47	0	0	47	0	0
	R6705	270	270	100	270	270	270	270	270
	R6706	150	150	×	×	×	100	×	×
	C6702	0.0022	0.0022	0.0022	×	×	×	×	×
	C6703	×	×	220p	×	×	×	220p	180p
	C6705	0.001	0.001	×	×	×	0.001	×	×
	L6701	1μ	1μ	1μ	SHORT	SHORT	SHORT	SHORT	SHORT
	L6702	3.3μ	3.3μ	3.3μ	×	×	3.3μ	3.3μ	3.3μ
MONO IN	K6707	FE 600	×	×	×	FE 600	×	×	×
	C6724	0.22/50	×	×	×	0.22/50	×	×	×
	R6718	×	×	×	×	×	×	×	×
I2C-BUS	R6708,R6709	100	100	100	FE 600	FE 600	FE 600	FE 600	FE 600
	K6703,K6704	FE 600	FE 600	FE 600	1K	1K	1K	1K	1K
	C6710,C6711	×	×	×	×	×	×	×	×
ANALOG Vcc	R6707	22	47	47	FE 600	FE 600	FE 600	FE 600	FE 600
	K6701	FE 600	FE 600	FE 600	33	33	33	33	33
	C6706	×	×	×	×	×	×	×	×
DIGITAL Vcc	R6710	10	12	12	FE 600	FE 600	FE 600	FE 600	FE 600
	K6705	FE 600	FE 600	FE 600	10	10	10	10	10
	C6712	×	×	×	×	×	×	×	×
DAC Vcc	R6716	47	47	47	FE 600	FE 600	FE 600	FE 600	FE 600
	K6706	FE 600	FE 600	FE 600	47	47	47	47	47
	C6718	×	×	×	×	×	×	×	×
XTAL	C6708	8p	8p	8p	7p	7p	7p	7p	7p
	C6709	1p	1p	1p	3p	3p	3p	3p	3p
DAC OUT	R6713,R6715	×	×	×	×	×	×	×	×
	C6714,C6716	0.0068	0.0068	0.0068	0.0022	0.0068	0.0022	0.0022	0.0022
VREF	C6722	×	×	×	×	×	×	×	×
	C6723	0.01	0.01	0.01	0.01	0.01	0.001	0.01	0.01

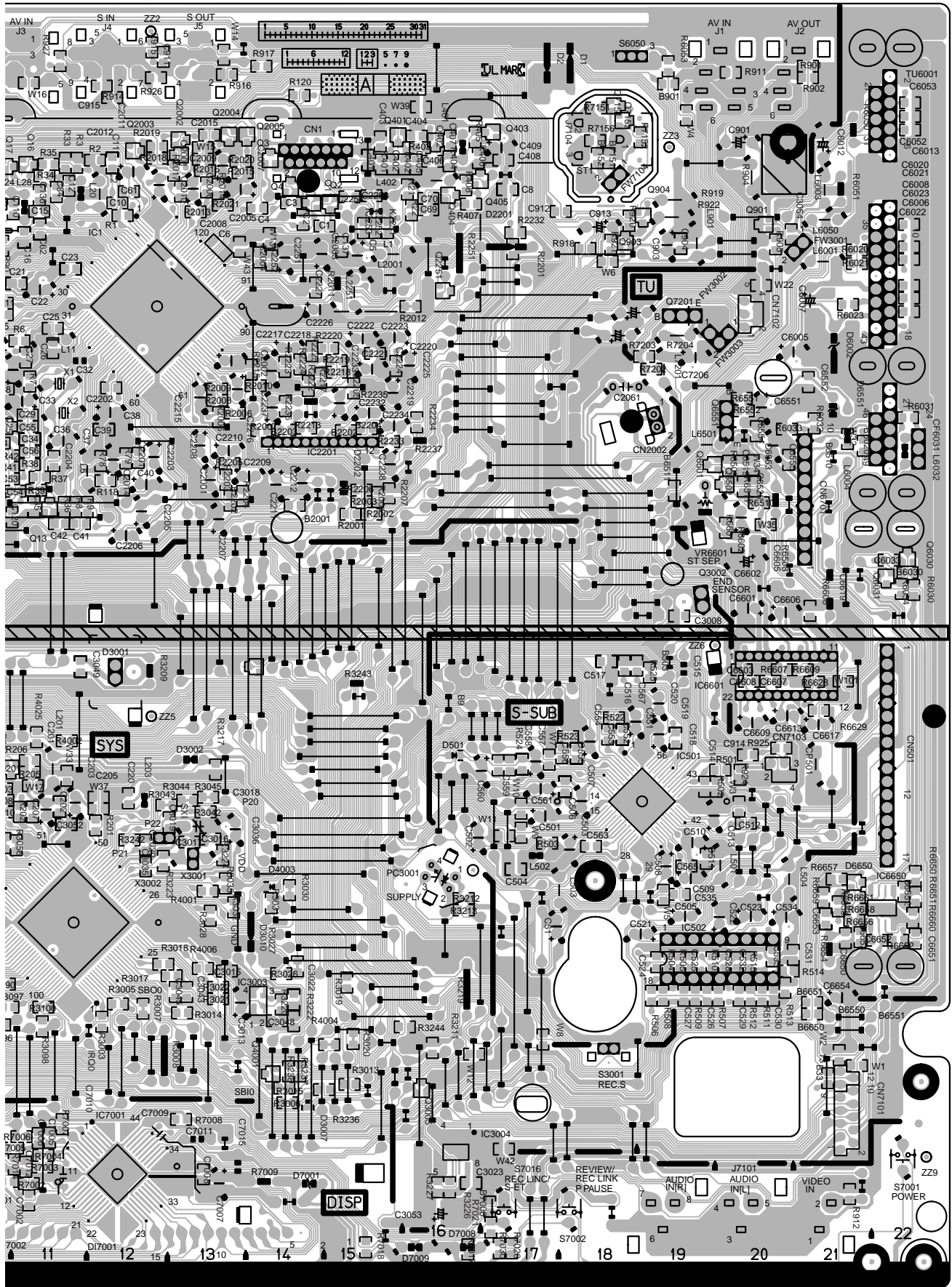
RESISTORS ARE IN OHMS.
CAPACITORS ARE IN H.
RESISTORS ARE IN μF.
:C

4.10 MAIN AND R. PAUSE CIRCUIT BOARDS

<03>MAIN, <91>R.PAUSE
LPB10141-001B

DANGEROUS VOLTAGE



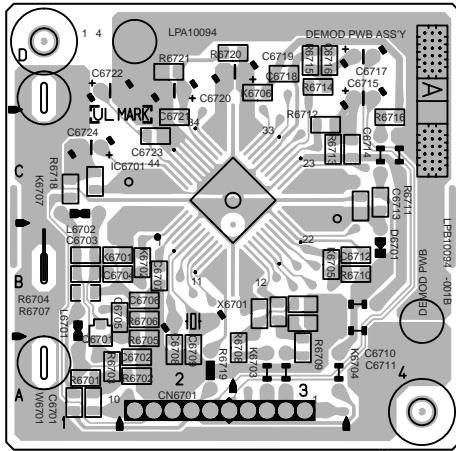


COMPONENT PARTS LOCATION GUIDE <MAIN>

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION
CAPACITOR																	
C1	B C 15N	C521	A D 19E	C3036	A D 13F	CN3004	A D 9F	L503	A D 18F	R22	B C 16N	R2020	B C 130	R3226	B C 16B	R7009	A D 14B
C2	B C 14N	C522	A D 20E	C3041	A D 9G	CN3005	A D 3D	L504	A D 20F	R23	B C 8M	R2021	B C 13N	R3227	B C 16B	R7010	A D 8A
C3	B C 14N	C523	A D 20E	C3042	A D 9G	CN3007	A D 8P	L901	A D 19N	R24	B C 8L	R2022	B C 9P	R3232	B C 4D	R7011	A D 10B
C4	B C 14N	C524	B C 19E	C3043	B C 13D	CN5001	A D 10	L2001	A D 16M	R25	B C 8L	R2023	B C 9P	R3233	B C 4D	R7012	A D 7A
C5	A D 15N	C525	B C 19D	C3045	B C 13D	CN6701	A D 21J	L2251	A D 15M	R26	B C 8L	R2051	B C 70	R3234	A D 4G	R7013	A D 10B
C6	A D 13N	C526	B C 19D	C3048	B C 14D	CN7001	A D 2C	L4001	A D 8M	R27	B C 8L	R2052	B C 70	R3235	A D 8P	R7014	A D 11B
C7	B C 10P	C527	B C 20E	C3049	B C 11H	CN7101	A D 21B	L5001	A D 3G	R28	B C 8L	R2053	B C 70	R3236	B C 15C	R7015	A D 5A
C8	B C 170	C528	B C 20E	C3052	A D 11F	CN7102	A D 20M	L5202	A D 2F	R29	B C 8L	R2054	B C 70	R3237	B C 14C	R7016	A D 2B
C9	B C 9N	C530	B C 20D	C3054	A D 16A	CN7103	A D 20G	L5301	A D 4D	R30	B C 7K	R2055	B C 70	R3238	B C 14C	R7017	A D 16A
C10	B C 12N	C531	B C 21E	C4001	B C 20N			L6001	A D 21N	R31	B C 7K	R2056	A D 90	R3240	B C 2C	R7018	A D 15A
C11	B C 120	C532	B C 20E	C4002	B C 7M			L6003	A D 21N	R32	B C 8K	R2057	B C 8P	R3241	B C 2C	R7019	A D 6B
C12	B C 110	C533	B C 20E	C4004	A D 7H			L6004	A D 21N	R33	B C 110	R2058	B C 8P	R3242	B C 12F	R7020	A D 17A
C13	B C 100	C534	A D 20E	C4006	A D 9F	D3	A D 17P	L6032	A D 22K	R34	B C 110	R2059	B C 8P	R3243	A D 15H	R7021	A D 17A
C14	B C 100	C535	B C 19E	C4007	B C 10F	D4	A D 8N	L6050	A D 21N	R35	B C 110	R2060	B C 8P	R3244	B C 16D	R7022	A D 7A
C15	B C 11N	C551	A D 18H	C4008	B C 10E	D5	A D 7M	L6501	A D 20K	R36	B C 11J	R2061	B C 6K	R4001	B C 13F	R7023	A D 5A
C16	B C 11N	C552	B C 18H	C4009	A D 9F	D6	B C 9J	L7201	A D 19L	R37	B C 11K	R2062	B C 6K	R4002	B C 11G	R7024	A D 3B
C17	A D 10N	C553	B C 18H	C4010	B C 9E	D501	B C 16G			R38	B C 11K	R2063	B C 6K	R4003	B C 10F	R7025	A D 5A
C18	A D 10N	C554	A D 18G	C4011	A D 9F	D2201	A D 17N	Q1	B C 14N	R39	B C 10K	R2064	B C 6J	R4004	B C 15D	R7026	A D 8B
C19	A D 10M	C555	B C 18G	C4012	B C 7F	D2202	A D 15K	Q2	B C 14N	R41	B C 10K	R2065	B C 6J	R4006	B C 13E	R7030	A D 17A
C20	A D 9M	C556	B C 18G	C4014	B C 10F	D3001	A D 12H	Q3	B C 140	R42	B C 10K	R2201	B C 17N	R4010	B C 9E	R7031	A D 6A
C21	B C 11M	C557	A D 17G	C4015	B C 10F	D3002	A D 13G	Q4	B C 140	R43	B C 10K	R2202	B C 13K	R4011	B C 9E	R7032	A D 3A
C22	A D 11M	C558	B C 17G	C4016	B C 10F	D3004	A D 5F	Q5	B C 8M	R44	B C 10K	R2203	B C 13K	R4012	B C 8E	R7033	A D 2B
C23	B C 11N	C559	A D 17G	C4017	B C 5F	D3005	A D 5E	Q7	B C 8L	R45	B C 10K	R2204	B C 13K	R4018	B C 10F	R7034	A D 1B
C24	B C 10L	C560	A D 17G	C4019	B C 10E	D3006	A D 4D	Q8	B C 8L	R46	B C 10L	R2205	B C 13K	R4019	B C 9G	R7035	A D 2B
C25	B C 11M	C561	A D 17G	C4022	B C 10F	D3007	B C 14C	Q9	B C 8L	R48	B C 10M	R2206	B C 15K	R4020	B C 10G	R7036	A D 2B
C26	B C 11M	C563	B C 18G	C4024	B C 10F	D3008	A D 5N	Q10	B C 10K	R49	B C 10M	R2207	B C 15K	R4021	B C 9G	R7037	A D 2C
C27	B C 11L	C565	B C 19H	C4025	A D 8E	D3010	A D 14E	Q11	B C 10K	R54	B C 10M	R2213	B C 14K	R4022	B C 5F	R7040	A D 2B
C28	A D 10M	C567	B C 19H	C4031	B C 9E	D3013	B C 10P	Q12	B C 10K	R62	B C 10M	R2215	B C 14L	R4024	A D 8G	R7041	A D 2C
C29	B C 11L	C901	A D 200	C5001	A D 2P	D5001	B C 3N	Q16	B C 110	R67	B C 10K	R2218	B C 15L	R5001	A D 4N	R7043	A D 2C
C30	A D 10M	C903	A D 19N	C5002	A D 3N	D5101	A D 1M	Q17	B C 10M	R68	B C 10K	R2219	B C 15L	R5010	A D 4N	R7044	A D 5C
C31	A D 11L	C904	B C 19N	C5003	A D 4P	D5102	A D 2L	Q18	B C 10M	R69	B C 10M	R2220	B C 15M	R5012	A D 3L	R7151	A D 18P
C32	A D 11L	C911	B C 12P	C5004	A D 1K	D5103	A D 3L	Q21	B C 10L	R75	B C 10M	R2222	B C 14L	R5013	A D 2M	R7152	A D 190
C33	A D 11L	C912	B C 18N	C5006	A D 2M	D5104	A D 3M	Q23	B C 10M	R76	B C 9P	R2223	B C 14L	R5014	A D 1N	R7155	A D 180
C34	A D 11K	C915	A D 18N	C5101	A D 2N	D5201	A D 1J	Q25	B C 10L	R77	B C 9J	R2224	B C 14L	R5015	A D 2M	R7156	A D 180
C35	B C 11J	C914	B C 20P	C5102	A D 3L	D5202	A D 3I	Q26	B C 10K	R78	B C 12K	R2225	B C 14L	R5016	A D 3M	R7202	A D 19L
C36	A D 11K	C915	B C 12G	C5103	A D 2L	D5203	A D 2I	Q27	B C 10K	R79	B C 12K	R2232	B C 17N	R5017	A D 1M	R7203	A D 19L
C37	A D 12K	C2001	A D 13K	C5104	A D 4N	D5204	A D 3I	Q28	B C 9N	R90	B C 10N	R2233	B C 15K	R5031	B C 4I	R7204	A D 19M
C38	A D 12L	C2002	A D 14K	C5105	B C 3L	D5205	A D 3I	Q32	B C 9M	R92	B C 10N	R2234	B C 16L	R5032	B C 4I	VR6001	A D 19K
C39	B C 12K	C2003	A D 14N	C5107	A D 1H	D5206	A D 2I	Q33	B C 9K	R93	B C 10N	R2235	A D 14L	R5033	B C 4H		
C40	A D 12K	C2004	B C 14N	C5201	A D 1H	D5207	A D 2I	Q38	B C 9N	R104	B C 10O	R2236	B C 14L	R5034	B C 4H		
C41	B C 11J	C2005	A D 14O	C5202	A D 2H	D5209	A D 3H	Q45	B C 9N	R110	B C 9N	R2237	A D 16K	R5035	B C 2E	S3001	A D 18C
C42	B C 11J	C2006	B C 130	C5203	A D 2G	D5210	A D 4J	Q50	B C 14H	R111	A D 9L	R2251	A D 16N	R5036	B C 2E	S6050	A D 6F
C51	A D 17E	C2007	A D 130	C5204	A D 4K	D5211	A D 2I	Q01	B C 11G	R112	B C 9N	R3003	B C 12D	R5037	B C 2G	S7001	A D 22B
C52	A D 9M	C2008	A D 13N	C5205	A D 2I	D5212	A D 2H	Q041	B C 11G	R118	B C 12K	R3004	B C 8D	R5038	B C 2E	S7002	A D 18B
C53	B C 10K	C2009	B C 130	C5206	A D 2E	D5214	A D 3I	Q42	B C 160	R120	B C 12F	R3005	B C 12D	R5039	B C 3E	S7004	A D 7B
C54	B C 11K	C2010	B C 130	C5207	A D 3G	D5301	A D 2I	Q403	B C 170	R201	B C 14P	R3006	B C 14C	R50310	B C 3E	S7006	A D 6B
C55	B C 11K	C2011	A D 120	C5208	A D 3H	D5302	B C 3E	Q404	B C 16N	R202	B C 10G	R3007	B C 12D	R5311	B C 3D	S7008	A D 5B
C56	B C 11K	C2012	A D 120	C5209	A D 3H	D5303	A D 2E	Q405	B C 170	R204	B C 11G	R3008	A D 12C	R5312	B C 4E	S7010	A D 4B
C57	B C 8M	C2014	B C 12K	C5301	A D 3D	D5304	B C 2E	Q901	B C 18N	R204	B C 10G	R3013	B C 15C	R5313	B C 4F	S7012	A D 4B
C58	B C 7K	C2015	A D 9O	C5302	A D 3D	D5307	A D 2F	Q903	B C 20N	R205	B C 11G	R3014	B C 13D	R5314	B C 3F	S7011	A D 3B
C60	A D 7K	C2017	A D 8O	C5303	A D 3E	D5308	A D 3D	Q904	B C 19N	R206	B C 11G	R3015	B C 14C	R5315	B C 4F	S7013	A D 2B
C61	B C 120	C2051	A D 8O	C5304	B C 3E	D5309	A D 1E	Q2001	B C 130	R401	B C 10G	R3017	B C 13D	R5316	B C 4E	S7014	A D 2B
C62	B C 11N	C2052	A D 8O	C5305	A D 4F	D5310	A D 1E	Q2002	B C 130	R402	B C 150	R3018	B C 12E	R5317	B C 4E	S7015	A D 2B
C63	B C 10N	C2053	A D 7O	C5306	B C 2F	D5311	A D 1C	Q2003	B C 120	R403	B C 160	R3019	B C 15D	R5318	A D 1G	S7016	A D 1B
C64	B C 9K	C2054	A D 8O	C5311	B C 1F	D5312	B C 4F	Q2004	B C 130	R404	B C 160	R3021	B C 15D	R5320	B C 4H		
C69	B C 16N	C2065	A D 19L	C6005	A D 20L	D5315	A D 4H	Q2005	B C 140	R405	B C 160	R3022	B C 13D	R5324	A D 4G		
C70	B C 16N	C2066	A D 6K	C6006	A D 22M	D6002	A D 21L	Q2006	B C 90	R406	B C 160	R3026	B C 14E	R5325	A D 2E	TP106	A D 6P
C71	B C 8M	C2067	B C 6J	C6007	A D 21M	D6551	A D 21L	Q2051	B C 70	R407	B C 16N	R3027	B C 14E	R5326	A D 1F	TP2253	A D 6P
C72	B C 7L	C2068	A D 6K	C6008	B C 22M	D6650	B C 21F	Q2052	B C 8P	R408	B C 160	R3028	B C 13E	R5327	B C 1F	TP4001	A D 6P
C73	B C 7L	C2069	B C 12K	C6012	A D 21O	D7001	A D 14B	Q2053	B C 8P	R501	B C 20G	R3030	B C 14F	R5328	B C 1F	TP7001	A D 3A
C74	B C 7K	C2202	B C 12L	C6013	B C 22O	D7002	A D 8A	Q2054	B C 8P	R502	B C 20G	R3031	B C 14E	R5330	B C 1I	TPGND	A D 4A
C75	B C 8L	C2203	A D 12K	C6020	B C 22N	D7003	A D 10B	Q2055	B C 9P	R503	B C 17F	R3032	B C 13E	R5332	A D 3G		
C76	B C 8K	C2204	B C 11K	C6021	B C 22N	D7004	A D 10B	Q2061	B C 6K	R504	B C 19E	R3035	B C 13F	R5333	A D 2C		
C77	B C 8L	C2205	A D 12J	C6022	B C 22N	D7005	A D 10B	Q2062	B C 6J	R505	B C 19E	R3042	B C 13G	R5334	A D 1C	BT3001	A D 3C
C80	B C 9L	C2206	A D 12J	C6023	B C 22M	D7006	A D 8B	Q2063	B C 7J	R506	B C 19D	R3043	B C 12G	R5335	B C 3H	CF6031	A D 22K
C81	B C 9L	C2207	A D 13J	C6													

4.11 DEMODULATOR CIRCUIT BOARD

<14> DEMODULATOR LPB10094-001C

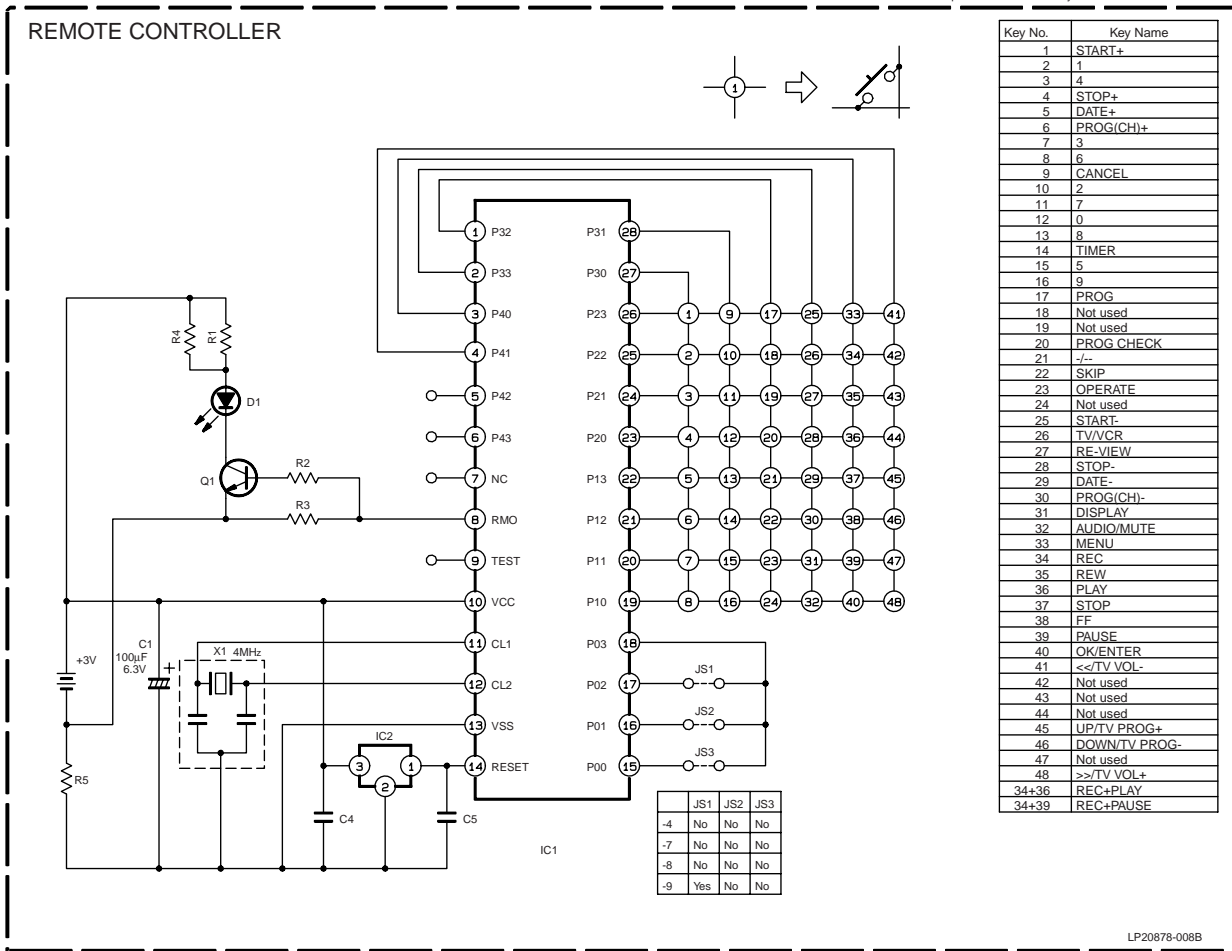


COMPONENT PARTS LOCATION GUIDE <DEMOMULATOR>

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION
CAPACITOR					
C1501	A D 4C	C1520	A D 3A	R1509	A D 3B
C1502	A D 3D	C1521	A D 2C	R1510	A D 4B
C1503	A D 4D	CONNECTOR			
C1504	A D 4C	CN1501	A D 3A	R1511	A D 3A
C1505	A D 3D	IC			
C1506	A D 3C	IC1501	B C 2C	R1514	A D 2B
C1507	A D 2C	TRANSISTOR			
C1508	A D 1D	Q1501	A D 3B	R1515	A D 2C
C1509	A D 2C	Q1502	A D 3B	R1517	A D 2C
C1510	A D 1B	RESISTOR			
C1511	A D 1A	R1501	A D 4C		
C1512	A D 2A	R1502	A D 2C		
C1513	A D 2B	R1503	A D 2C		
C1514	A D 2A	R1504	A D 2B		
C1515	A D 3B	R1505	A D 2B		
C1516	A D 3C	R1506	A D 2B		
C1517	A D 3B	R1507	A D 2B		
C1518	A D 3A	R1508	A D 3B		
C1519	A D 3B				

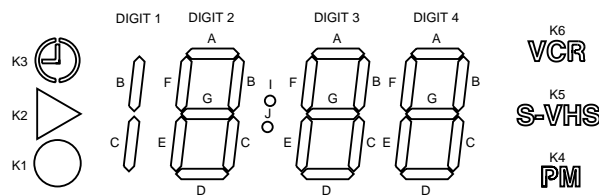
4.12 REMOTE CONTROLLER SCHEMATIC DIAGRAM

- NOTES:
 1 All parts shown in this schematic are critical for safety.
 2 This schematic is only for reference.
 Avoid replacing individual parts.
 Replace the entire unit only.



4.13 FDP GRID ASSIGNMENT AND ANODE CONNECTION

GRID ASSIGNMENT



ANODE CONNECTION

No.	CONNECTION
1	CATHODE 2G, 3G, 4G, I, J
2	CATHODE 2F, 3F, 4F, K6
3	CATHODE 2E, 3E, 4E, K1
4	CATHODE 2D, 3D, 4D, K4
5	CATHODE 1C, 2C, 3C, 4C, K5
6	CATHODE 1B, 2B, 3B, 4B, K2
7	CATHODE 2A, 3A, 4A, K3
8	COMMON ANODE K3, K2, K5, K4, K1, K6, I, J
9	COMMON ANODE DIGIT4
10	COMMON ANODE DIGIT3
11	COMMON ANODE DIGIT2
12	COMMON ANODE DIGIT1