

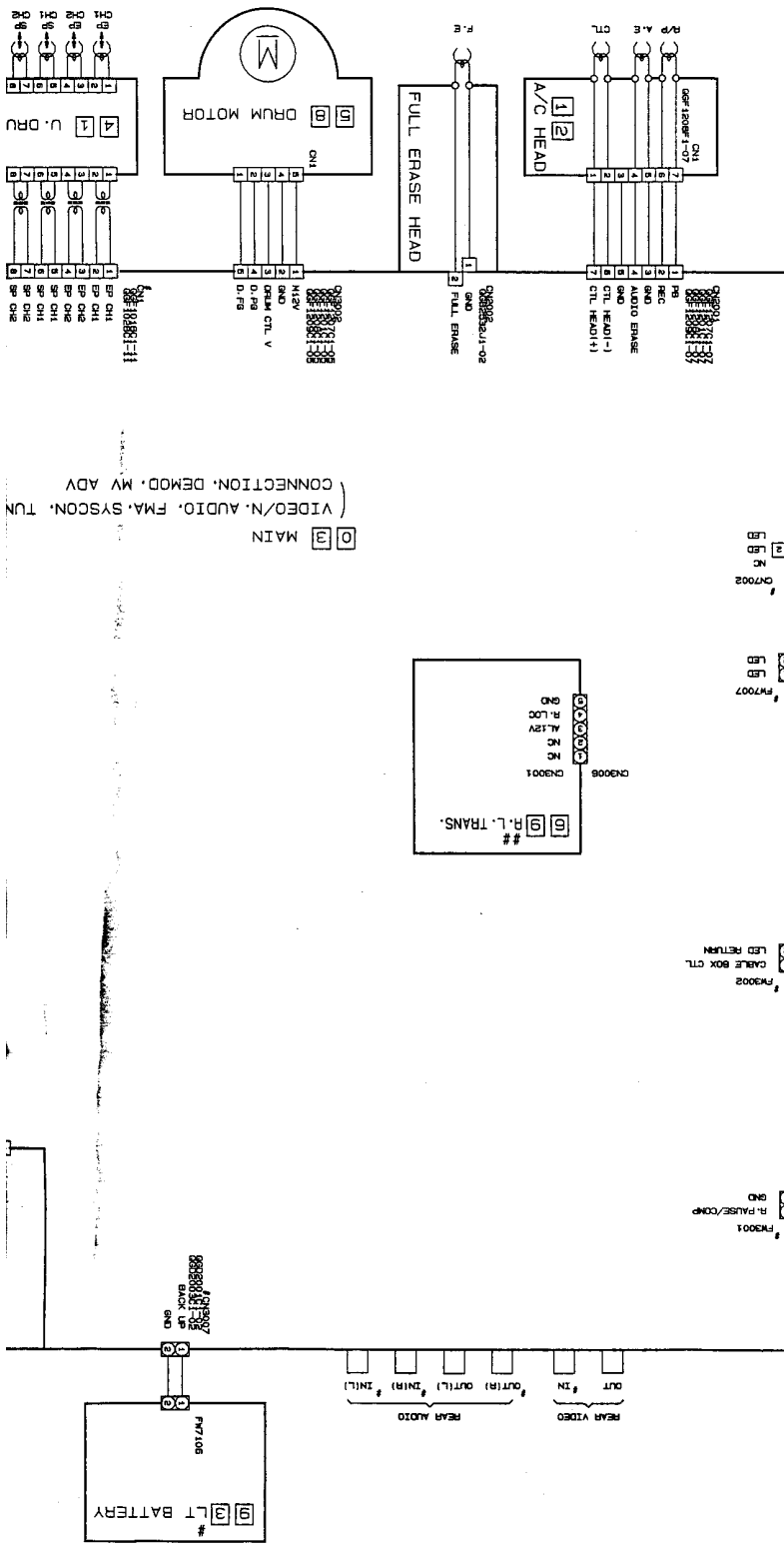
LIST OF SCHEMATIC DIAGRAMS

<u>Name of Schematic Diagrams</u>	<u>Schematic number</u>
1. Schematic Diagram of Over All	LPS10167-001
2. Schematic Diagram of Sw.Reg.	LPS10163-001
3. Schematic Diagram of Video / Audio	LPS10161-001
4. Schematic Diagram of Syscon	LPS10173-001
5. Schematic Diagram of Tuner / Demod	LPS10162-001
6. Schematic Diagram of FMA	LPS20114-001
7. Schematic Diagram of Front	LPS10168-001
8. Schematic Diagram of MV ADV	LPS30044-001
9. Schematic Diagram of Connection	LPS20117-001
10. Schematic Diagram of Jog / Shuttle	LPS40031-001
11. Schematic Diagram of Tuner unit, QAU0113-x	BZ022481
12. Schematic Diagram of Tuner unit, QAU0115-x as alternative use of QAU0113-x	BZ022483

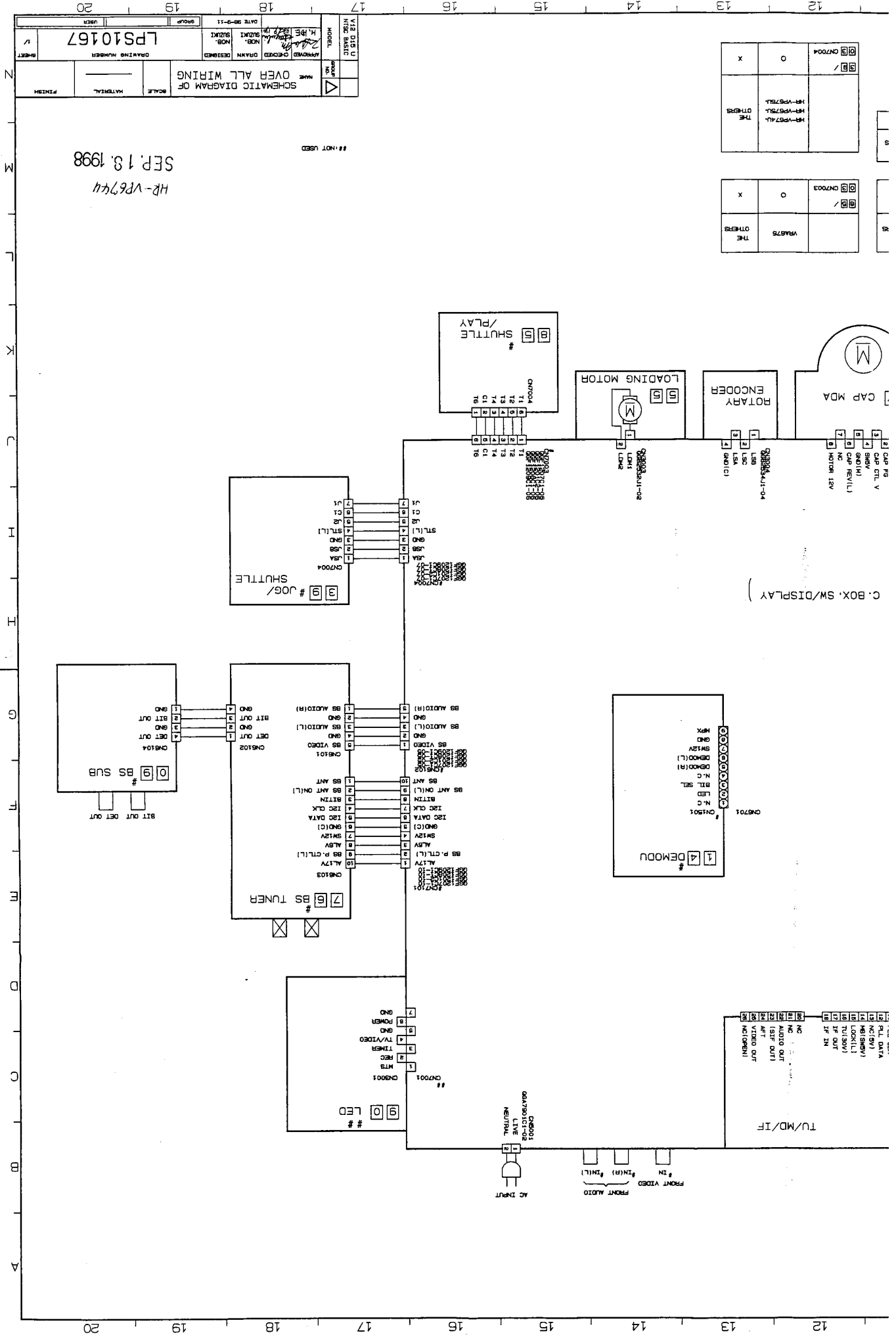
NO	NAME
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13	LED
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100	LED

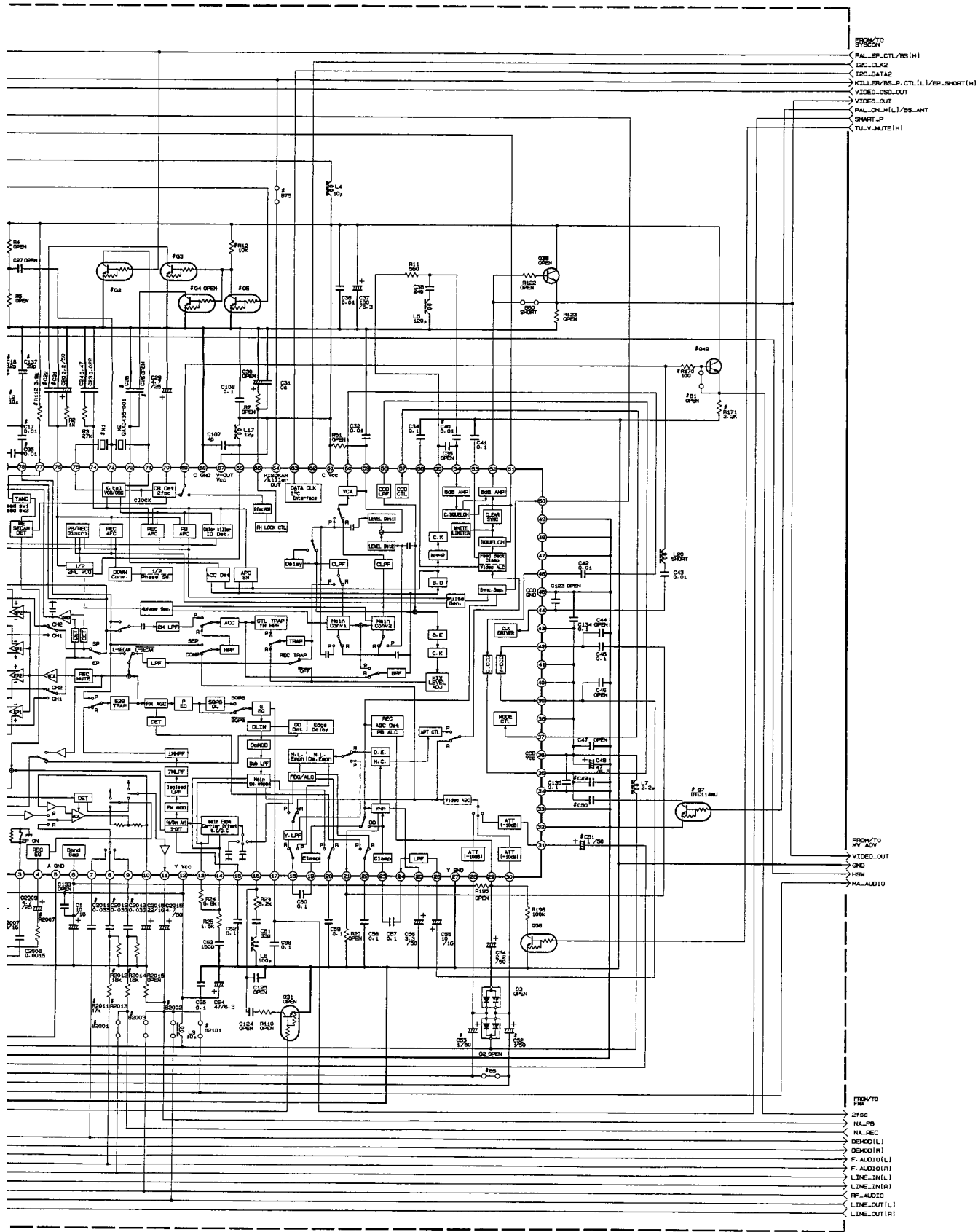
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100	LED	100	LED

1-11 PIN	1-11 PIN	1-11 PIN	1-11 PIN
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2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11



VIDEO/N. AUDIO. FMA. SYSCON. TUN
CONNECTION. DEMOD. MY ADV





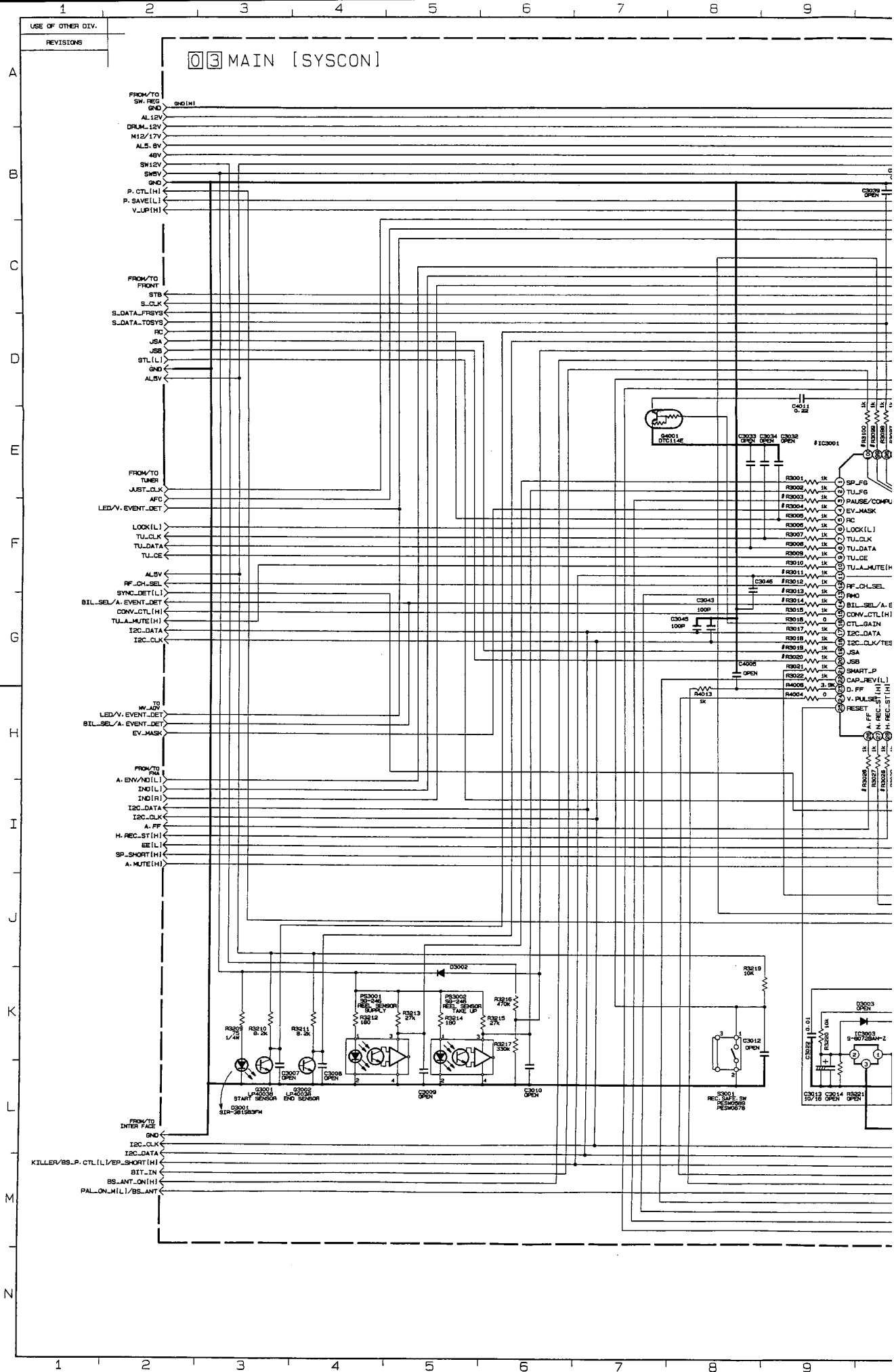
NOTES: UNLESS OTHERWISE SPECIFIED:

ALL DIODES ARE 1SS133 OR 1N4148M.
 ALL NPN TYPE TRANSISTORS ARE 2SC4081(QRS).
 ALL PNP TYPE TRANSISTORS ARE 2SA1576(QR).
 ALL NPN TYPE DIGITAL TRANSISTORS ARE DTC144WU.
 ALL PNP TYPE DIGITAL TRANSISTORS ARE DTC144WU.
 ALL RESISTANCE VALUES ARE IN OHMS.
 ALL INDUCTANCE VALUES ARE IN H.
 ALL CAPACITANCE VALUES ARE IN μ F.

⊗ ELECTROLYTIC
 ⊕ CERAMIC
 ⊖ MYLAR
 ⊕ NON POLAR

Q1	R1	CAP
102	R2609	R2607
103	R2608	R2606
104	R2605	R2604
105	R2603	R2602
106	R2601	R2600
107	R2600	R2600
108	R2600	R2600
109	R2600	R2600
110	R2600	R2600
111	R2600	R2600
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199	R2600	R2600
200	R2600	R2600

SCHEMATIC DIAGRAM OF				SCALE	MATERIAL	FINISH
VIDEO/N. AUDIO						
APPROVED	CHECKED	DRAWN	DESIGNED	DRAWING NUMBER		
				LPS10161		
DATE 1988				GROUP	USER	SHEET
						1



12 13 14 15 16 17 18 19 20

A
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E
F
G
H
I
J
K
L
M
N

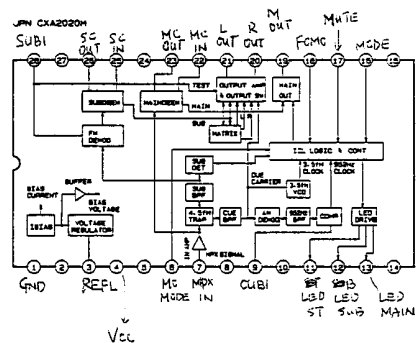
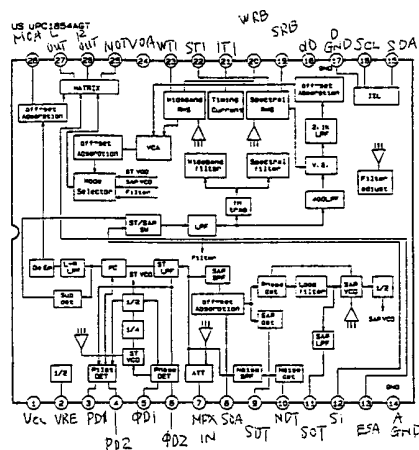
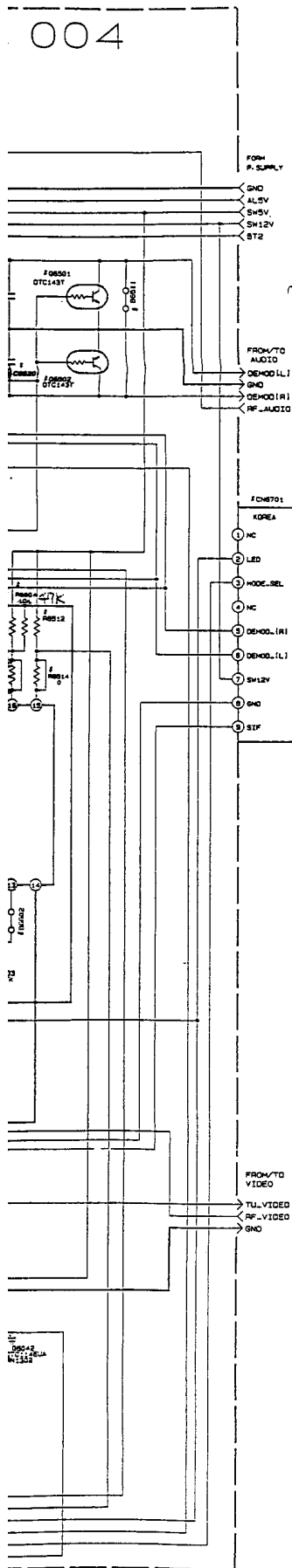
IC3001 MN10D01YJ# /MN10DP01YAFJ#

IC3004	4K	X24C04P AT24C04-10PC XL24C04P 24LC04B/P ST24C04FBG
	2K	X24C02P AT24C02-10PC 24LC02B/P XL24C02P
	1K	X24C01AP AT24C01A-10PC 24LC01B/P XL24C01AP

HR-VP6544
SEP. 18. 1998

V12 DIS U	MODEL	APPROVED	CHECKED	NAME		SCALE	MATERIAL	FINISH
				SCHEMATIC DIAGRAM OF				
				SYSCON				
				DATE	SEP-17	DRAWING NUMBER		SHEET
				NOB.	TSURUKA	LPS10173		
				GROUP	USER			

12 13 14 15 16 17 18 19 20



TUNER		US/UM/PAL-M/PALN				JPN		KOREA
		HIFI		MONO		HIFI	HIFI	
TU UNIT	TU6001	GAU0113	GAU0115	GAU0113	GAU0115	GAU0112	GAU0114	GAU0121
	R9025	x	x	x	x	x	x	x
VIDEO BUFFER	G6030, R6030	○	○	○	○	○	○	○
	B6030	x	x	x	x	x	x	x
MUTE	G6031, R6034	x	x	x	x	x	x	x
	C6033							
SYNC DET	G6040-G6042							
	R6040-R6046							
	C6040-C6044	x	x	x	x	x	x	x
	D6040, D6041							
	LF6040							
AUDIO OUT	R6032	12k	12k	3.3k	5.6k	0 ohm	0 ohm	x
	R6033	12k	12k	5.6k	2.2k	1.8k	x	x
	R6038	x	x	x	x	x	x	x
	C6031	○	○	○	○	○	○	○
AFC	C6024	○	○	○	○	x	x	○
	C6005-C6008							
Others	C6012-C6023	x	x	x	x	x	x	x
	C6020-C6023							
	C6062-C6063							

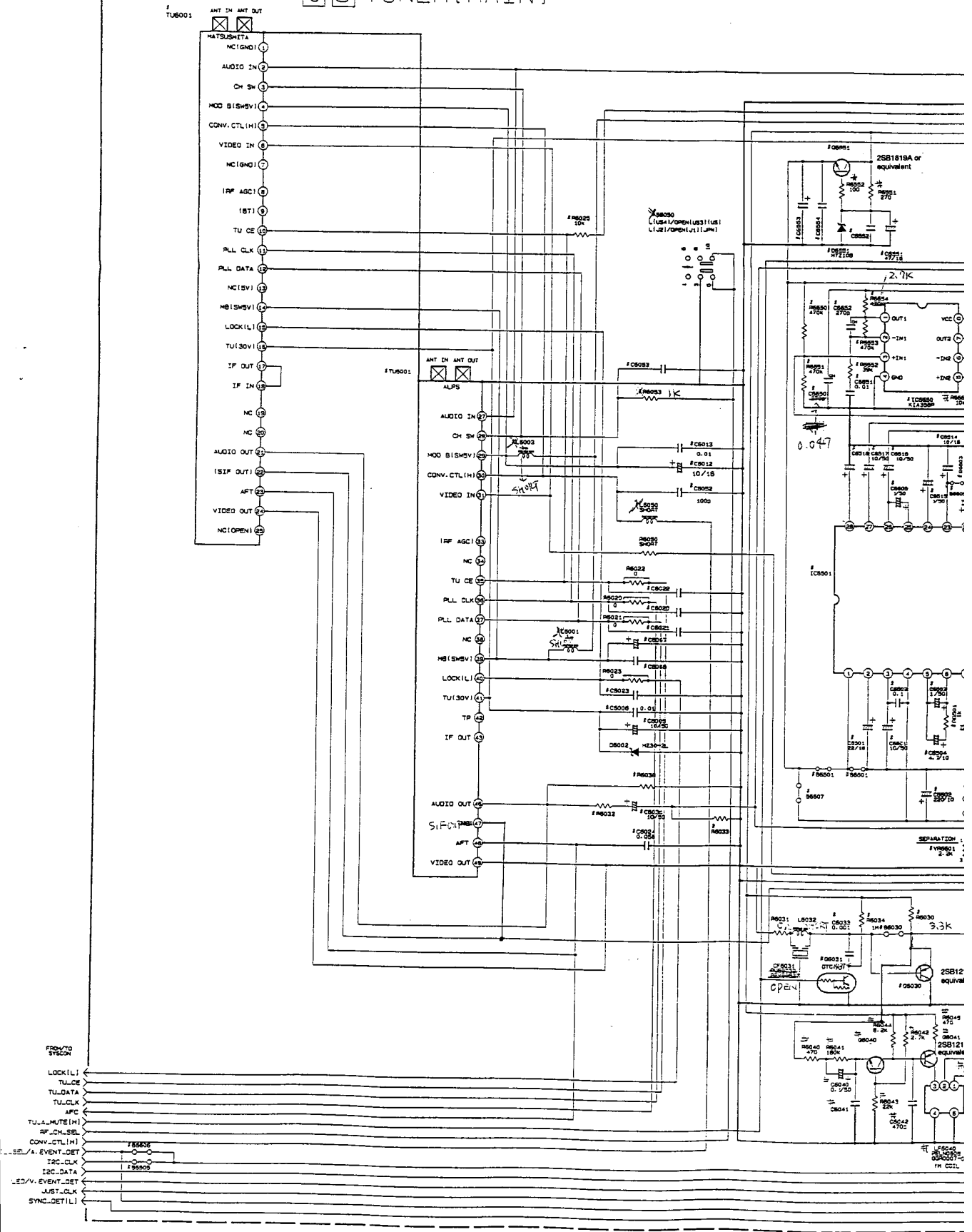
DEMCO	US HTS	JAPAN HTS	KOREA HTS	HONG
CB801	4FC1854AGT	CXA2020M	X	X
RE801~RE803				
RE805~RE807				
RE814				
CE801~CE804			X	
CE806~CE808	0	X		X
CE810~CE811				
CE814~CE817				
RE819~RE805				
RE804	2x3	0.01xP	X	X
RE808	3.9x	12x	5.2x	0
RE809~RE811	1.2x	3.2x	6.8x	X
RE810	3.5x	12x	8.3x	X
CE813	X	10x	X	X
RE819	0	0	X	X
CE808	2.2/70	10/70	X	X
CE809	0.1xP	2.2xk	X	X
CE812, CE818	1/30	10/70	X	X
CE813	Ta 3.3/18	1/30	X	X
CE819	X	5500x	0.022	0.056
CE820	X	5500x	0.022	X
RE810	X	X	X	O
RE811, RE812				
RE801~RE802	X	X	X	X
LE801				
IC8850				
RE801~RE804				
RE806~RE808				
CE801~CE805	X	0	X	X
CE850~CE853				
VR8501, CE8601				
36601~36606				
CN8701				
CE8400 UNIT1	X	X	0	X
CA851, RE851				
CA851, RE852	0	0	X	X
CE551~CE554	X	X	X	X

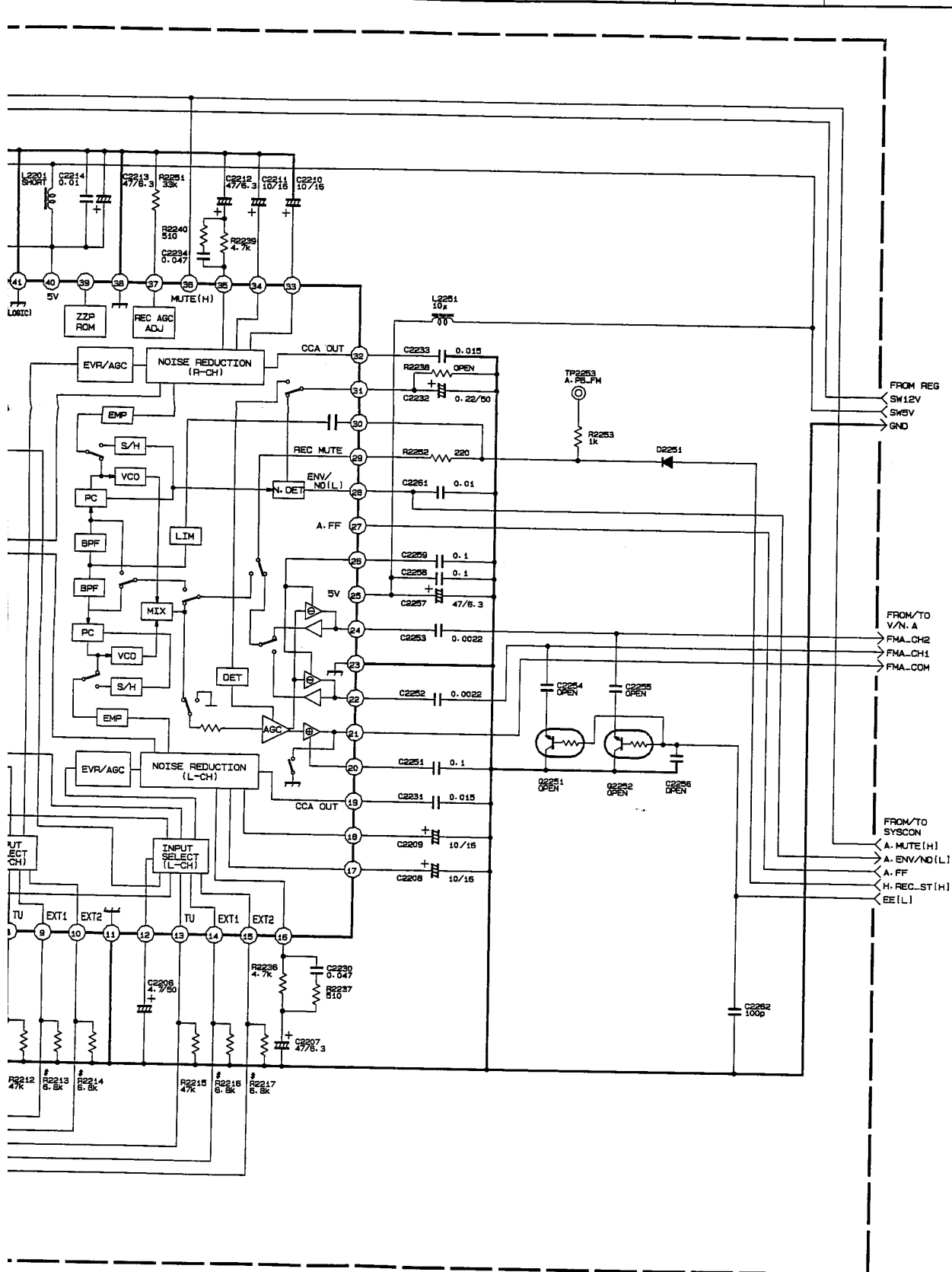
HR-VPS 44
SEP. 18. 1998

Name	Tuner / Demod
Drawing No.	LPS10162

03 TUNER[MAIN]

z58414/V12NT/1





NOTES: UNLESS OTHERWISE SPECIFIED.

ALL NPN TYPE TRANSISTORS ARE 2SC4081/GRS.
 ALL PNP TYPE TRANSISTORS ARE 2SA1576A/GRV.
 ALL NPN TYPE DIGITAL TRANSISTORS ARE DTC144WUA.
 ALL PNP TYPE DIGITAL TRANSISTORS ARE DTA144WUA.
 ALL DIODES ARE 1SS133.
 ALL RESISTANCE VALUES ARE IN OHMS.
 ALL INDUCTANCE VALUES ARE IN H.
 ALL CAPACITANCE VALUES ARE IN μ F.

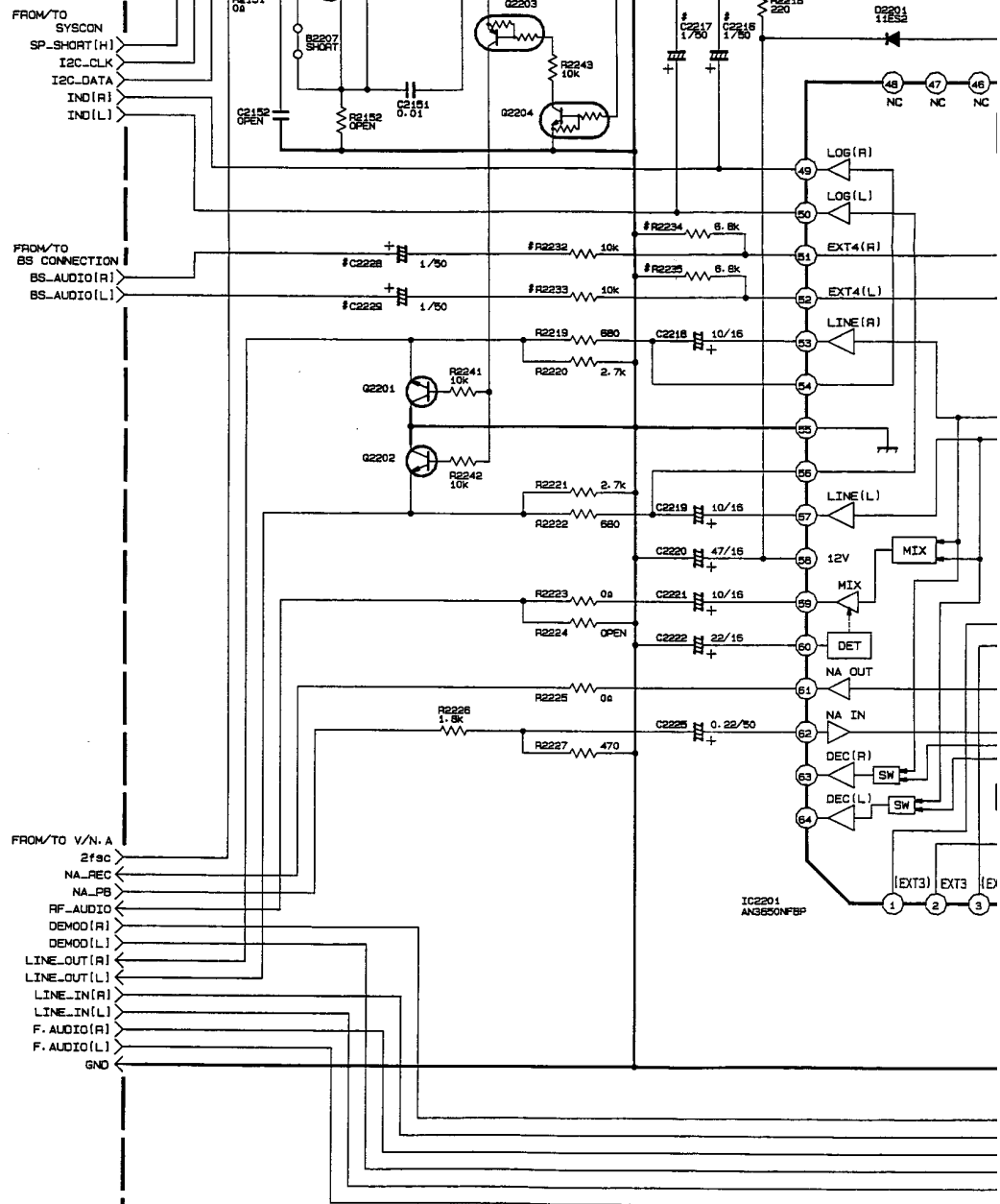
$\text{---}\text{---}\text{---}$ ELECTROLYTIC
 $\text{---}\text{---}\text{---}$ CERAMIC

SCHEMATIC DIAGRAM OF				SCALE	MATERIAL	FINISH
NAME						
FMA						
GROUP NO.	APPROVED	CHECKED	DRAWN	DESIGNED	DRAWING NUMBER	
V12 NTSC	<i>J. S. K.</i>	<i>H. K.</i>	<i>H. K.</i>	<i>H. K.</i>	LPS20114	
MODEL	DATE 08.09.14		GROUP	USER		
				SHEET		✓

USE OF OTHER DIV.

REVISIONS

03 MAIN(FMA)

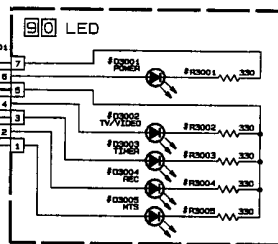


SYMBOL	R2205, R2214 R2211, R2217
FRONT IN	
YES	○
NO	X

SYMBOL	R2232, R2234 R2233, R2235 C2228, C2229
BS IN	
YES	○
NO	X

SYMBOL	R2207, R2213 R2210, R2216
REAR IN	
YES	○
NO	X

SYMBOL	C2216 C2217
LEVEL IND.	
YES	○
NO	X



OPTION	R7009	R7010	R7011	R7012
HR-09 HR-A55U	X	X	X	X
HR-B9 HR-A35U	35K	X	X	X
HR-VP470U SEARS (HONO)	X	35K	X	X
HR-VP670U SEARS (HOFI)	X	X	35K	X
HR-VP672U HR-VP673U	X	X	X	35K
HR-VP674U	35K	35K	X	X
X	35K	X	35K	X
HR-VP675U HR-VP676U	35K	X	X	35K
HR-VP472U HR-VP473U	X	35K	35K	X
HR-J3006LM	X	35K	X	35K
X	X	X	35K	35K

FDX/LED	83001-83004 83001-83004 87004-87008, 87022 87001-87009	83005 83005	87013 87002 87021	017001
X		O	X	X
	O			
HF-16050M EXV-1V300		X	X	
HF-1675N HF-1675N				
HF-1675N HF-1675N/CE	X	X		QLF00302 QLF003
VRA576 V792S/51				
V722S/76 V792S/77				
THE OTHERS	X	X	O	QLF00313 9.F0031

PC IN	IC7002	R7015	C7012 D7003
JVC	6P1U2500 PNA4652MO0YC	SHORT	X
PH	6P1U2500 PNA4652MO0YC	100k	O

LED	D7008 R7016 CN7002
HA-09 HA-89	O
THE OTHERS	X

7003 7004	87005	87006	CN7004- 07005- 07010- R7040-R7042.	CN7003.
x	x	O	O	x
x	O	x	x	x
O	O	x	x	O

HR-VP6746
SEP. 18. 1998

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
	MYLAR
	NON POLAR

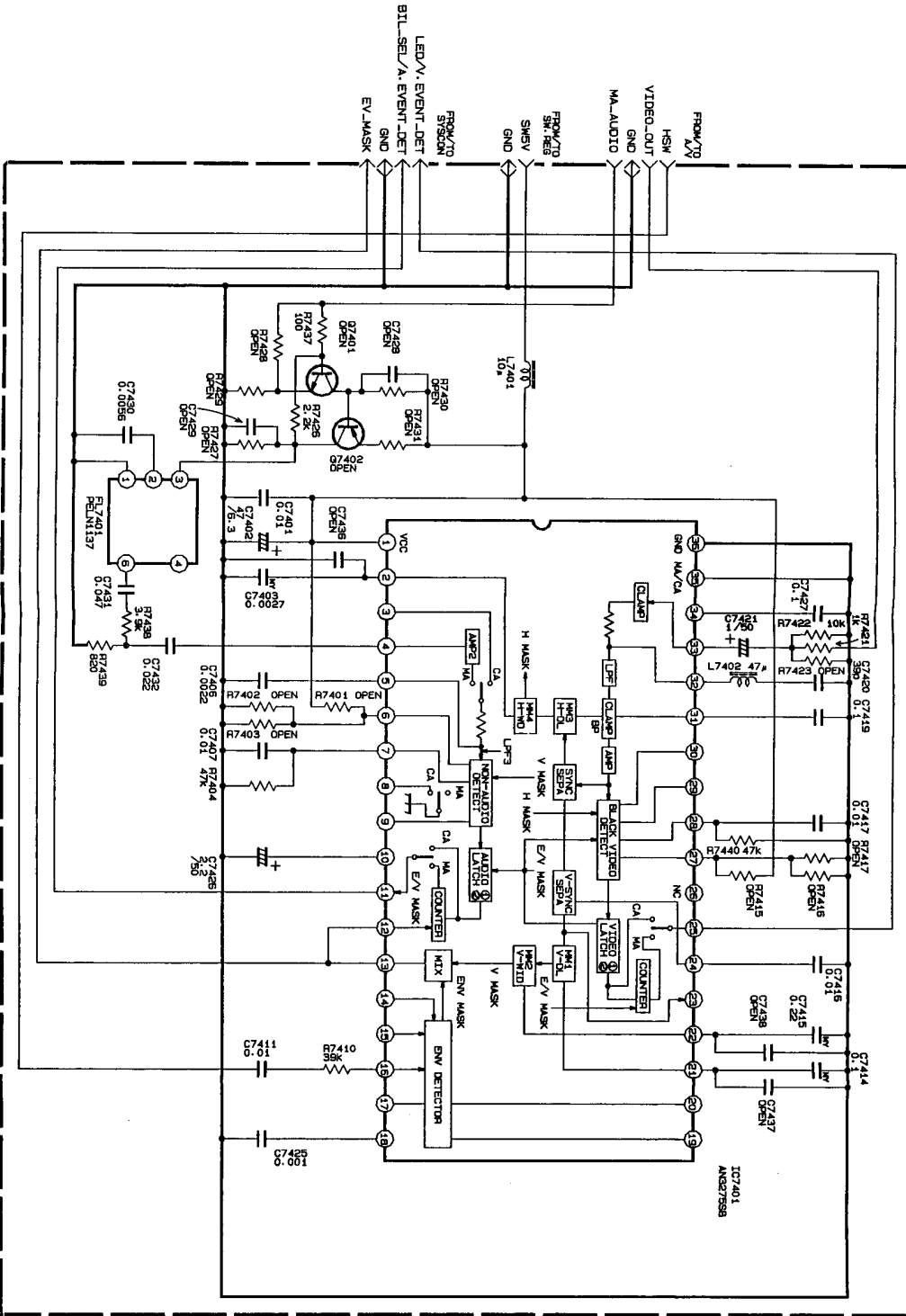
ALL DIODES ARE 1SS133 OR 1N4148M

- NOT USED

V12 01 US		SCHEMATIC DIAGRAM OF FRONT				SCALE	MATERIAL	FINISH
		NAME						
MODEL	APPROVED	CHECKED	DRAWN	DESIGNED	DRAWING NUMBER		SHEET	
	 H. TANEUCHI N. TANEUCHI	 H. TANEUCHI N. TANEUCHI	 H. TANEUCHI N. TANEUCHI	 H. TANEUCHI N. TANEUCHI	LPS10168			✓
		DATE 58-3-15		GROUP	USER			

F. PANEL		S7001	S7002	S7016	S7003	S7004	S7005	S7006	S7008	S7010	S7011	S7012	S7013
4000CJ	HF-VP678U, HF-VP678U, HF-VP674U	POWER	MENU	OK	X	CH-	X	CH+	PLAY	REC	X	ST/EO	PAUSE
4000CH	HF-VP678U, HF-VP678U, HF-VP678U, HF-VP473U	POWER	MENU	OK	X	CH-	X	CH+	REVIEW	REC	REW	ST/EO	PAUSE
	HF-VP473U, HF-VP470U, HF-AB9U, HF-AB9U												
	HF-J5008LM, HF-J4408LM, HF-J578H, HF-J578H, HF-J578H/CE, HF-J478H	POWER	JOB+/OK	JOB-	X	CH-	X	CH+	MENU	REC	REW	ST/EO	PAUSE
400A	HF-08, HF-08	POWER	TIMER	REVIEW	X	CH-	X	CH+	SP/EP	REC	REW	ST/EO	PAUSE
	HF-073H, HF-J473H	POWER				X	CH-	X	CH+	SP/EP	REC	REW	ST/EO
3608L/Y/YP	BCV-JV300 HF-J4008LM BCV-JV4300, HF-J3008LM, HF-J473H, VRC-800 HF-J472H, HF-J472H/CE, HF-J473H	POWER	MENU	X	X	CH-	X	CH+	OK	REC	REW	ST/EO	PAUSE
99A	VRA25A, VRA206, VRA68/50, VRA68/77, ACA68/78, VRA68/51	POWER	PAUSE	VCR/TV	X	CH-	X	OK	REC	MENU	CH+	ST/EO	PAUSE
99B	VRA35A, VRA305, VRA68/50, VRA68/77, VRA68/77, ACA68/78, ACA78/78, VRA68/51, VRA68/51	POWER	PAUSE	VCR/TV	X	CH-	X	OK	REC	MENU	CH+	ST/EO	PAUSE
99A	VRA55S	POWER	PAUSE	VCR/TV	X	MENU	X	OK	REC	CH-	CH+	ST/EO	PAUSE
99B1	VRA20A, VRA305	POWER	PAUSE	VCR/TV	X	X	MENU	OK	REC	CH-	CH+	ST/EO	PAUSE
99B2	VRA57S	POWER	PAUSE	VCR/TV	X	X	MENU	OK	REC	CH-	CH+	ST/EO	PAUSE

03 MAIN[MV ADV]

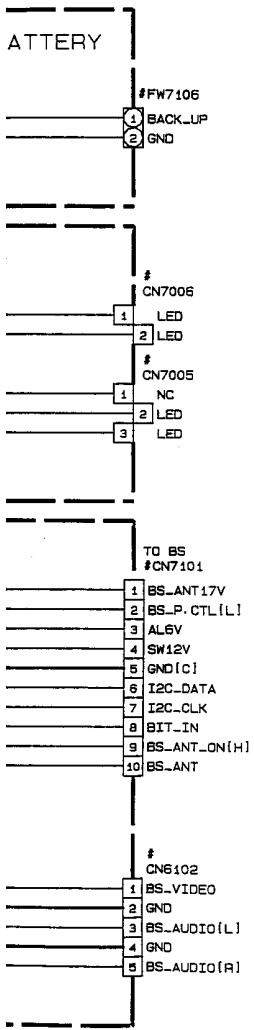


HR-VP6740
SEP 18, 1998

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
 RESISTOR
 DIODE
 TRANSISTOR
 IC
 JUMPER
 WYLER

GROUP NO.	NAME	SCALE	MATERIAL	FINISH
1	SCHEMATIC DIAGRAM OF			
2	MV/CM ADVANCE			
3	APPROVED	CHECKED	DRAWN	DESIGNED
4	DATE 98-09-15	SUGITA	SUGITA	
5	DRAWING NUMBER			
6	LPS30044			
7	GROUP			
8	US23			
9				
10				



REFERENCE TABLE

	HR-VP674U HR-VP675U HR-VP676U	VR676	THE OTHERS
J7104	O	O	X
R7156	X	O	X
J7105 R7155	O	X	X

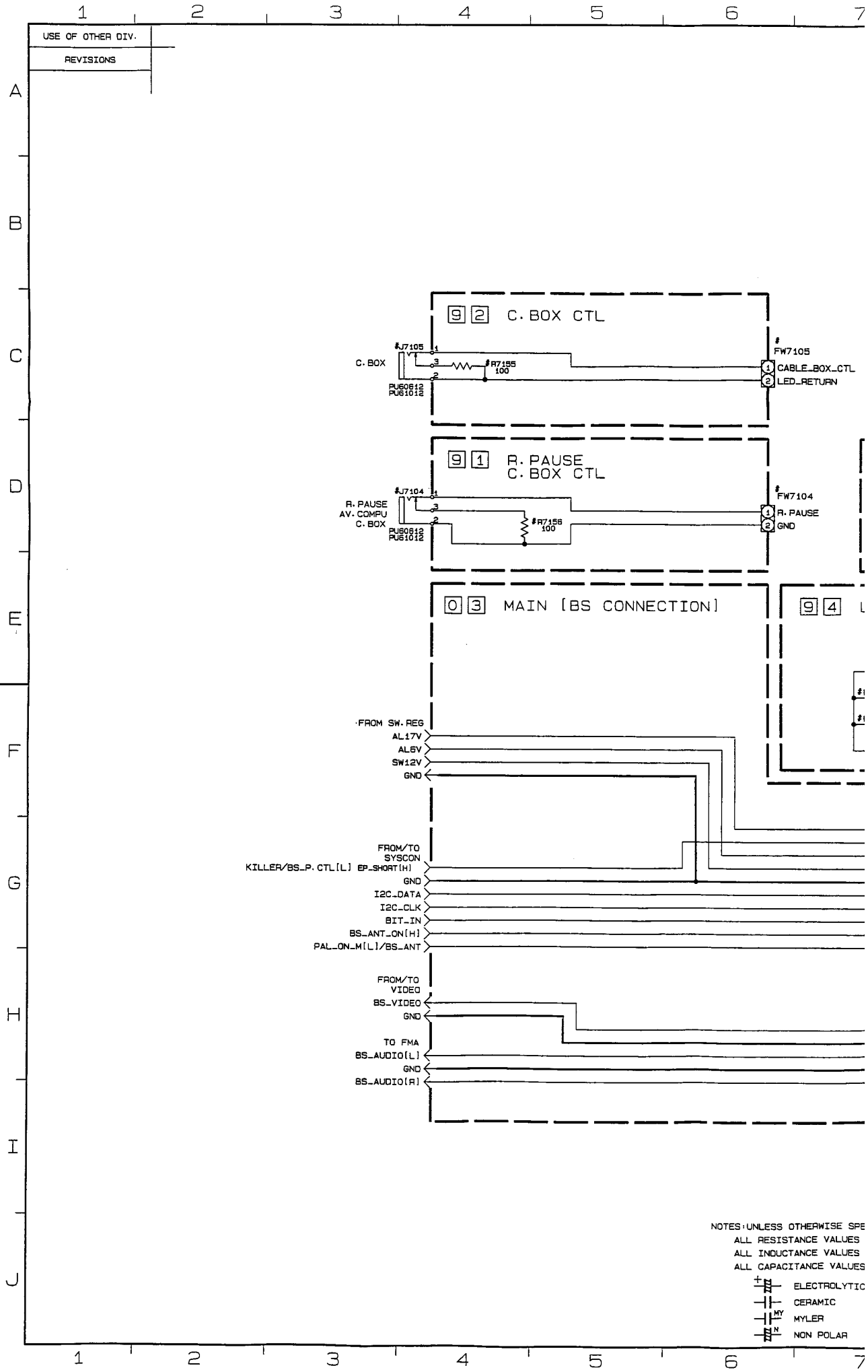
	VR656 VR676 VR499/50 VR599/50 VR799/50 AC499/78 AC799/78 VR499/77 VR499/61 VR599/61 AC599/78 VR599/77 VR799/77 VR799/61	THE OTHERS
BT3001	O	X

	ALL MODELS
CN7101 CN6102	X

	HR-DB HR-DB	THE OTHERS
CN7005	O	
D7034	SLR-342MG3F	X
CN7006 D7033	X	

HR-VP6744
SEP. 13. 1998

V12 D15 U	GROUP NO.	SCHEMATIC DIAGRAM OF CONNECTION				SCALE	MATERIAL	FINISH
		NAME						
		APPROVED H. HDE	CHECKED 22.9.14	DRAWN NOB. SUZUKI	DESIGNED NOB. SUZUKI	DRAWING NUMBER LPS20117		SHEET 1/
DATE 98-9-9				GROUP	USER			



NOTES
 1. UNLESS OTHERWISE SPECIFIED,
 ALL RESISTORS ARE IN OHM (1/W).
 CAPACITORS ARE IN FARAD.
 INDUCTORS ARE IN HENRY.

2. SEMICONDUCTORS ARE AS FOLLOWS.

TR1, 2, 3: 2SC4712K, 2SC4680
 TR201: 8B305C, 3SK254, 3SK298, 3SK317
 TR202: 3SK318, 3SK255, 3SK296
 TR601: 2SA1576

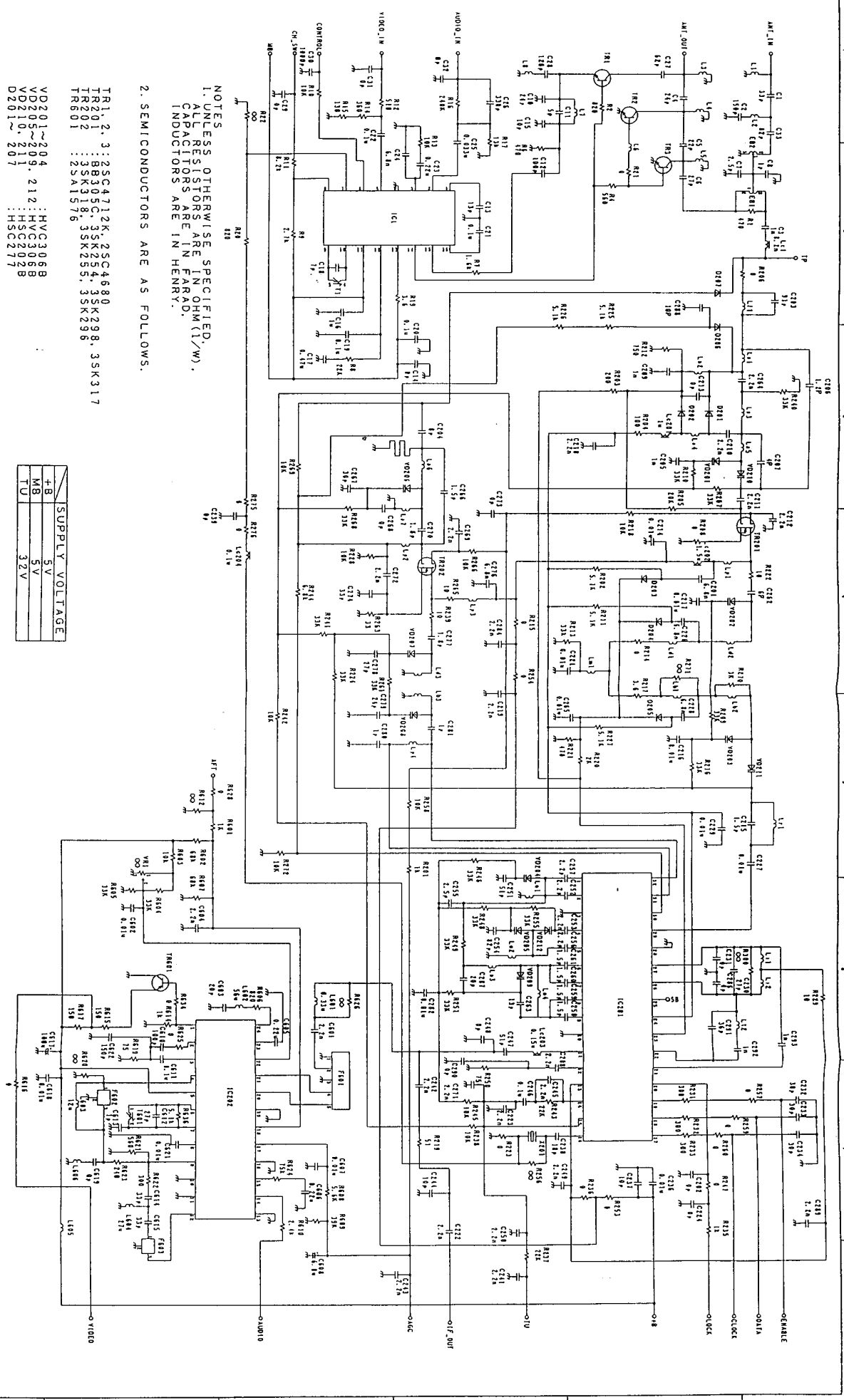
VD301~204: HVC306B
 VD305~209: HVC306B
 VD310~211: HSC202B
 D201~207: HSC277

IC101: LA7160M
 IC601: ALP022
 IC602: TS5523SP
 F802: PS4.5MB
 F803: SF3H4.5WDB

SUPPLY VOLTAGE		
+B	5V	
M8	5V	
TU	32V	

HR-VB740
 SEP. 18, 1998

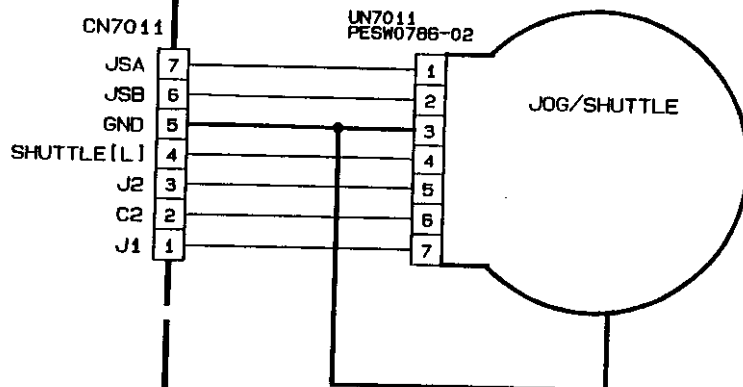
Name	Tuner unit
Drawing No.	CAU0115-X



1
2
3
4
5
A
B
C
D
E
F
G
H
USE OF OTHER DIV.

REVISIONS

85 JOG/SHUTTLE

HR-VP6740
SEP. 18. 1998

NOTES: UNLESS OTHERWISE SPECIFIED.

ALL RESISTANCE VALUES ARE IN OHMS.

ALL INDUCTANCE VALUES ARE IN H.

ALL CAPACITANCE VALUES ARE IN μ F.

$\begin{array}{c} + \\ \text{---} \end{array}$ ELECTROLYTIC
 $\begin{array}{c} \text{---} \\ \text{---} \end{array}$ CERAMIC
 $\begin{array}{c} \text{---} \\ \text{---} \end{array}$ MYLER
 $\begin{array}{c} \text{---} \\ \text{---} \end{array}$ NON POLAR

2D1	MODEL	SCHEMATIC DIAGRAM OF SHUTTLE				SCALE	MATERIAL	FINISH
		APPROVED	CHECKED	DRAWN	DESIGNED			
		NAME						
		H. IDE						
		M. TAKEUCHI						
		M. TAKEUCHI						
		DRAWING NUMBER						
		LPS40031						
		SHEET						
		1/						