

Schematic Diagram Index

EXHIBIT # : 5
FCC ID : ACJ927128AH
OUR REF. : MKES99-F018
MODEL NO. : PV-V4520

Circuit Name

Drawing No.

INTER CONNECTION

1

POWER

2

MAIN 1

3

MAIN 2

4

MAIN 3

5

MAIN 4

6

RF DEMODULATOR Type No.: VEQS0614
(RF CONVERTER)

7

Hi-Fi 4 HEAD AMP.

8

CAP. STATOR

9

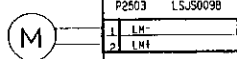
KG-20 SERIES INTER CONNECTIO

MECHA UNIT

CAP. DRIVE P. C. B.

MAIN P. C. B.

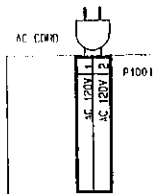
LOADING MOTOR



FE HEAD

P2502 LSJS0097

1	VH
2	NR.5V
3	UNSW.5V
4	CAP.EC
5	LD.R.H
6	CAP.ECR
7	LD.F.H
8	CAP.TL
9	CAP.FG
10	CAP.FD
11	NR.GND
12	MOTOR.GND



P6201 LSJP0089

1	W1
2	NR.5V
3	UNSW.5V
4	CAP.EC
5	LD.R.H
6	CAP.ECR
7	LD.F.H
8	CAP.TL
9	CAP.FG
10	CAP.FD
11	NR.GND
12	MOTOR.GND

P4001 VJSS0088

1	FEH1-I
2	FEH1-II

A/C HEAD P. C. B.

P4092

1	A.HEAD(PB)
2	A.HEAD(R)
3	AE.HEAD(-)
4	AE.HEAD(+)
5	CTL-
6	CTL+

P4091

1	A.HEAD(PB)
2	A.HEAD(R)
3	AE.HEAD(-)
4	AE.HEAD(+)
5	CTL-
6	CTL+

HEAD AMP P. C. B.

2 HEAD (LSJS0093) 10P

1	REC/PB.FHIC
2	NR
3	AE.HEAD-I
4	AE.HEAD-II
5	GND
6	GND
7	SW-12V
8	D.REC.H
9	PLAY.L
10	NC

4 HEAD/HIFI (VJSS0083) 12P

1	REC/PB.FHIC
2	NR
3	AE.HEAD-I
4	AE.HEAD-II
5	GND
6	GND
7	SW-12V
8	D.REC.H
9	PLAY.L
10	NC
11	H.A.SW
12	ENV.DET

CYL MOTOR

P3502

1	M3
2	M2
3	M1
4	HE-
5	VH1
6	HE+
7	GND
8	UNSW.14V

CYL HEAD P. C. B.

2 HEAD 4 HEAD HIFI

4/GH (L)	4/GH (L)	4/GH (L)	1
4/GH (F)	4/GH (F)	4/GH (F)	2
4/GH (R)	4/GH (R)	4/GH (R)	3
2H (R)	2H (R)	2H (R)	4
2H (F)	2H (F)	2H (F)	5
2H (L)	2H (L)	2H (L)	6
	HIFI (L)	HIFI (L)	7
	HIFI (F)	HIFI (F)	8
	HIFI (R)	HIFI (R)	9
			10
			11

2 HEAD 4 HEAD HIFI P3503

1	4/GH (L)	4/GH (L)	4/GH (L)
2	4/GH (F)	4/GH (F)	4/GH (F)
3	4/GH (R)	4/GH (R)	4/GH (R)
4	2H (R)	2H (R)	2H (R)
5	2H (F)	2H (F)	2H (F)
6	2H (L)	2H (L)	2H (L)
7		HIFI (L)	HIFI (L)
8		HIFI (F)	HIFI (F)
9		HIFI (R)	HIFI (R)
10			
11			

P2501

1	A.HEAD.PB
2	CTL-I
3	A.HEAD-R
4	UNSW.14V
5	CTL+
6	GND
7	NR
8	VH1
9	HE-
10	M1
11	M2
12	M3

P6202

1	A.HEAD.PB
2	CTL-I
3	A.HEAD-R
4	UNSW.14V
5	CTL+
6	VH1-(GND)
7	NR
8	VH1
9	HE-
10	M1
11	M2
12	M3

P4401

1	GND
2	HIFI-L
3	HIFI-F
4	HIFI-R

P4451

1	GND
2	HIFI-L
3	HIFI-F
4	HIFI-R

T I O N D

DRAWING 111

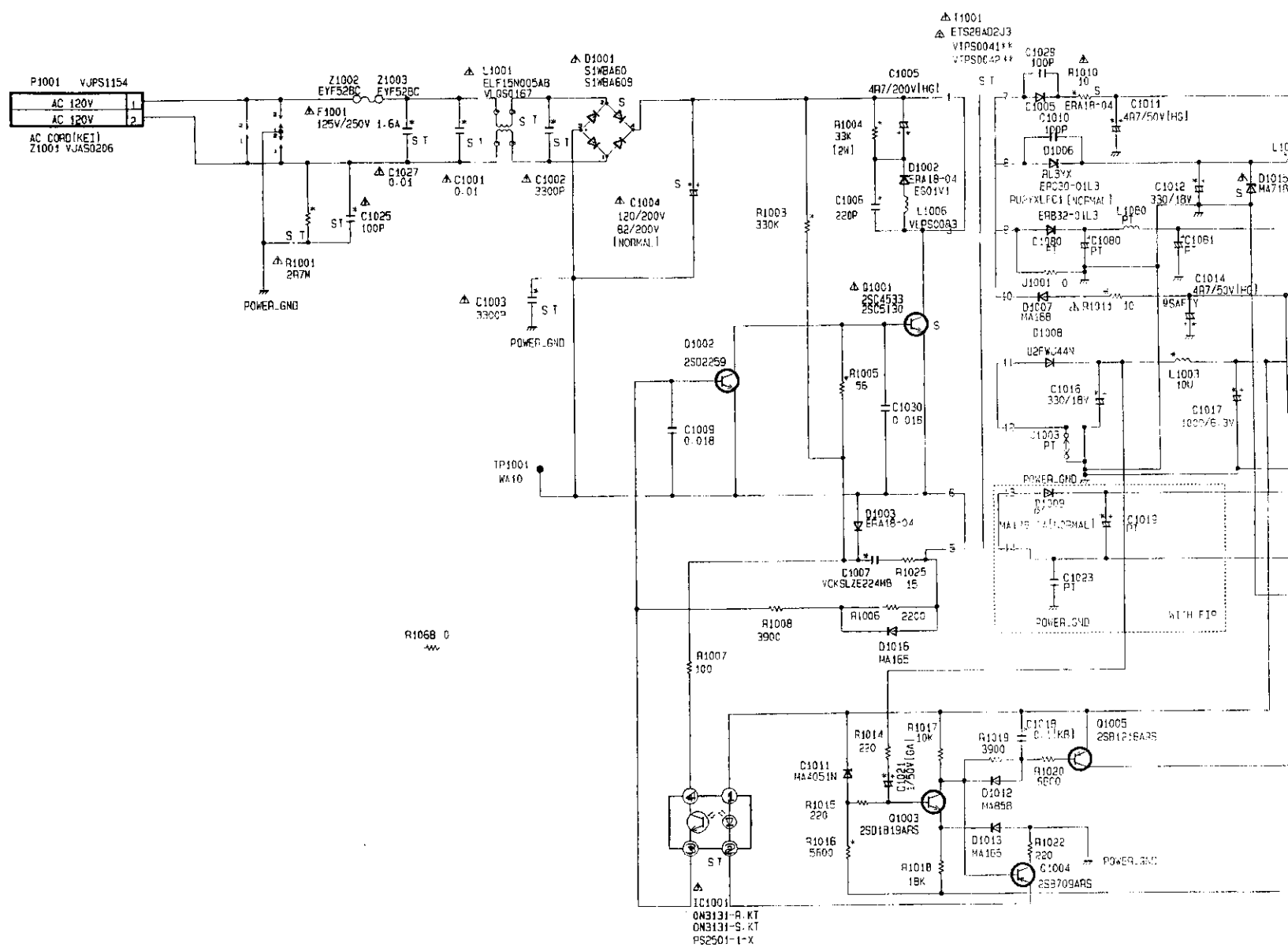
NOT CORRECT

[illegible]

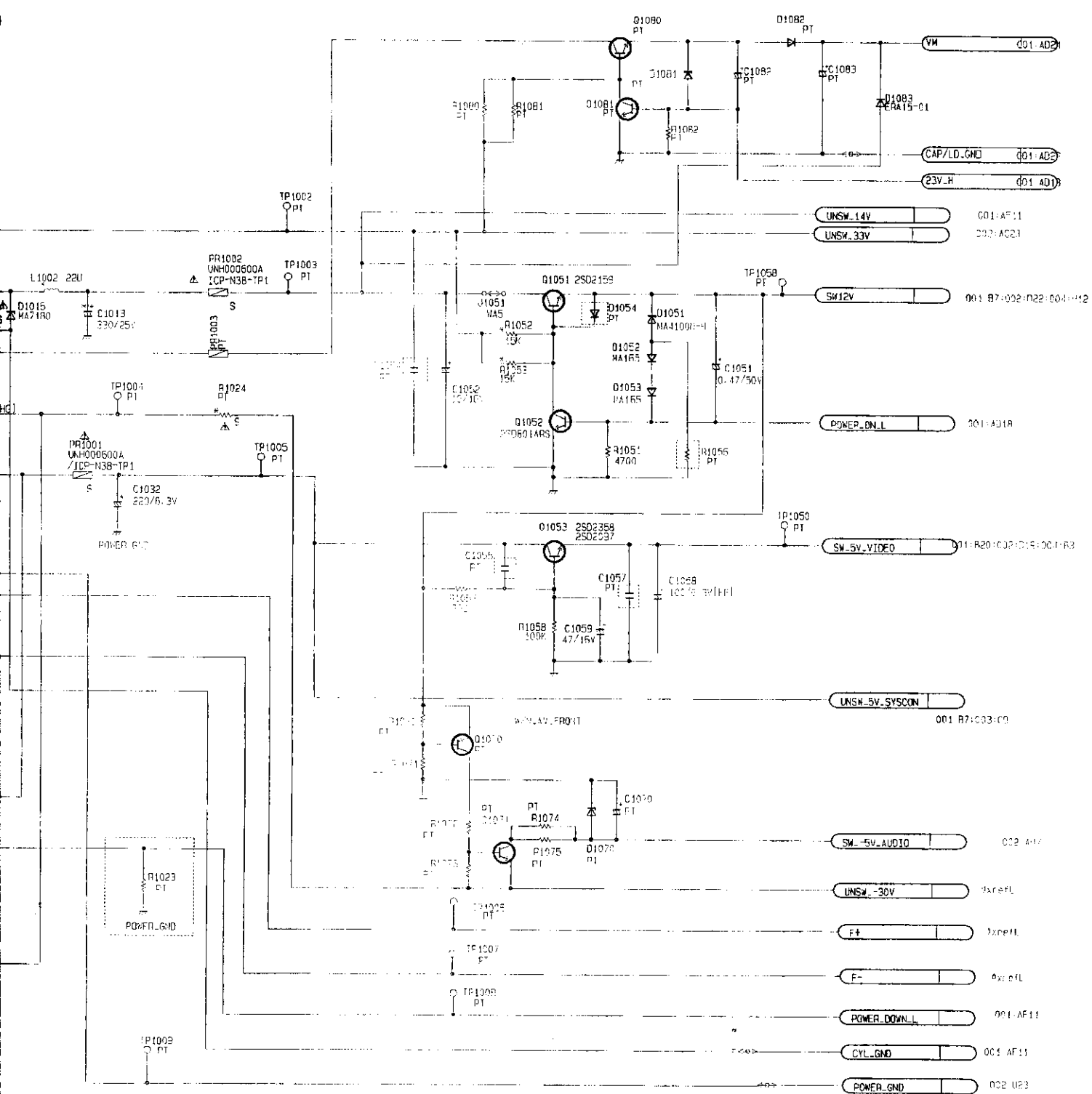
Drawing No.			
Item	INTER CONNECTION		
Part No.	KG-20series		
Applicable Models			
Date of Issue	99/09/02	Drawn by	C. TANGKUP
			PV-V4920

NOVEMBER 1977

KG-20WHG POWER CIRC



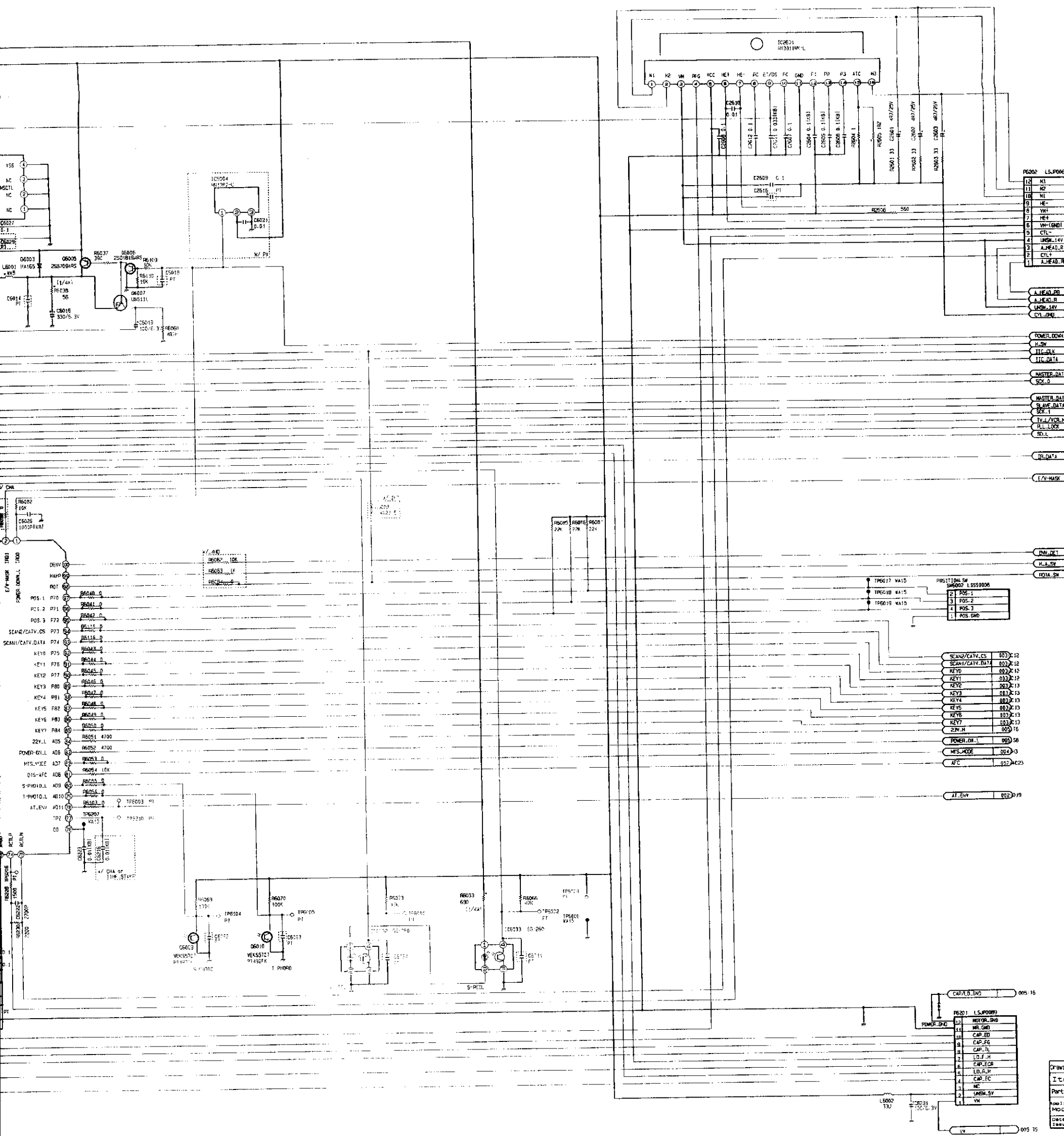
CIRCUIT



DRAWING 102

POWER

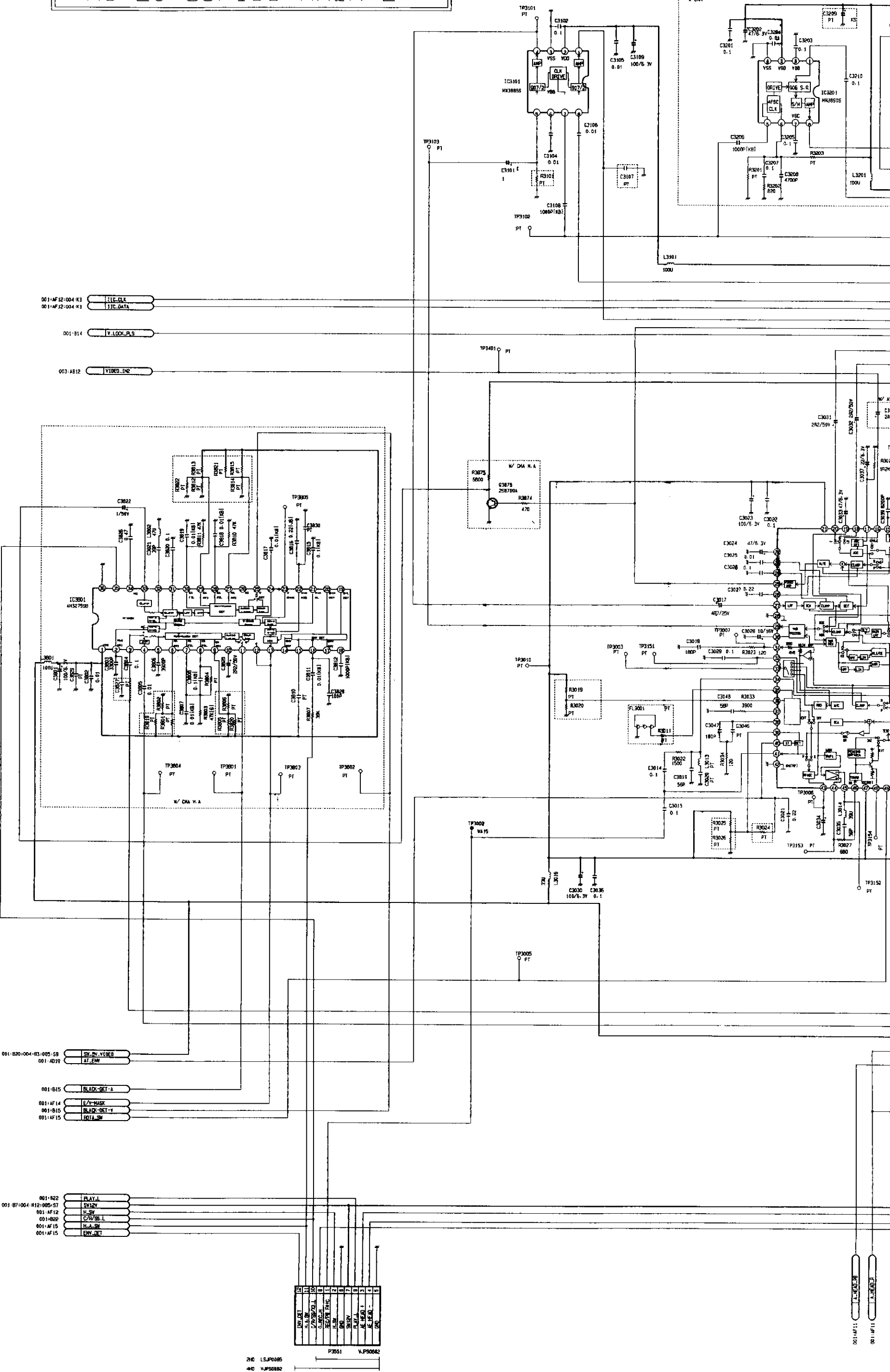
2000_MODEL MAIN_1

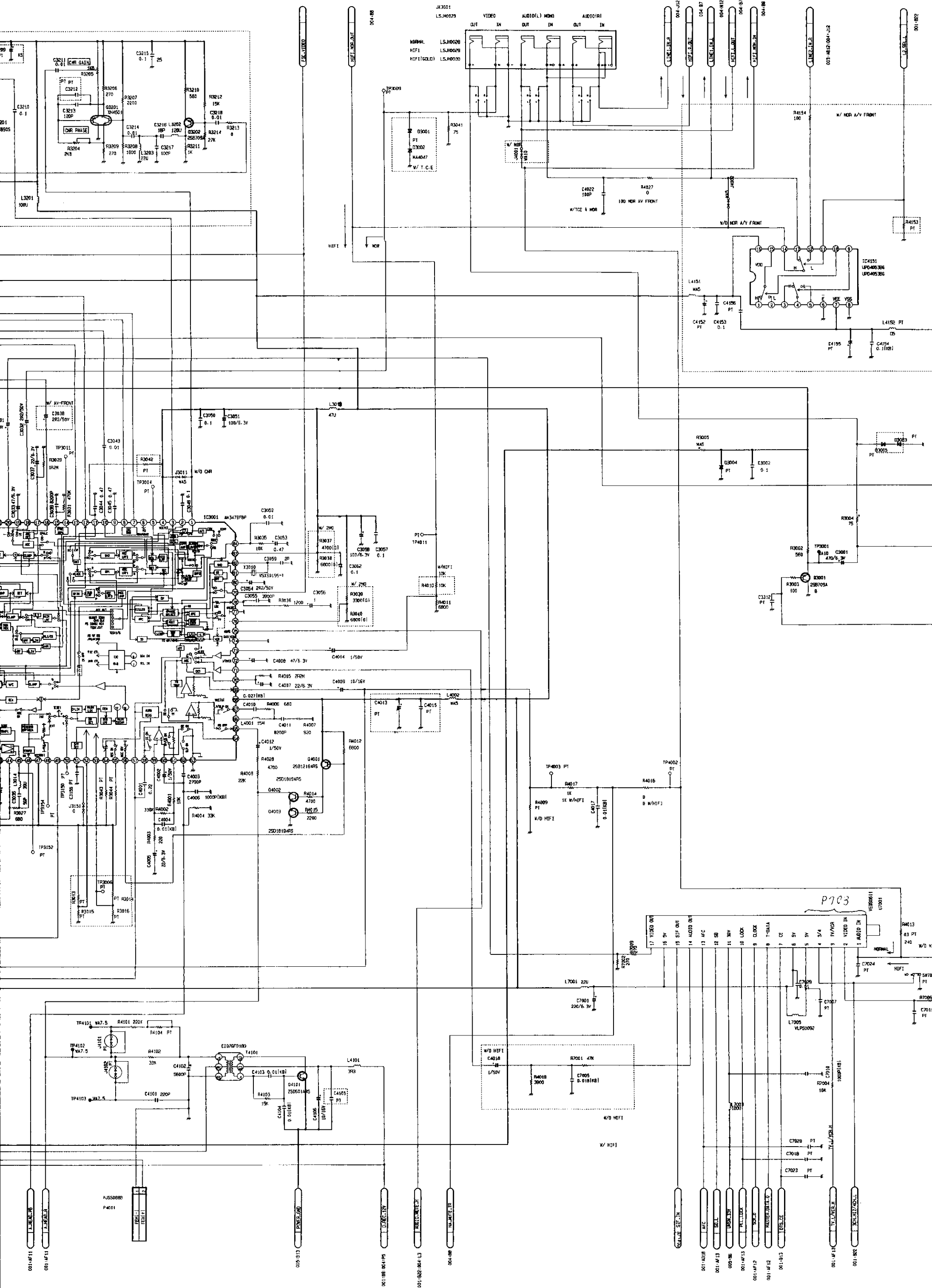


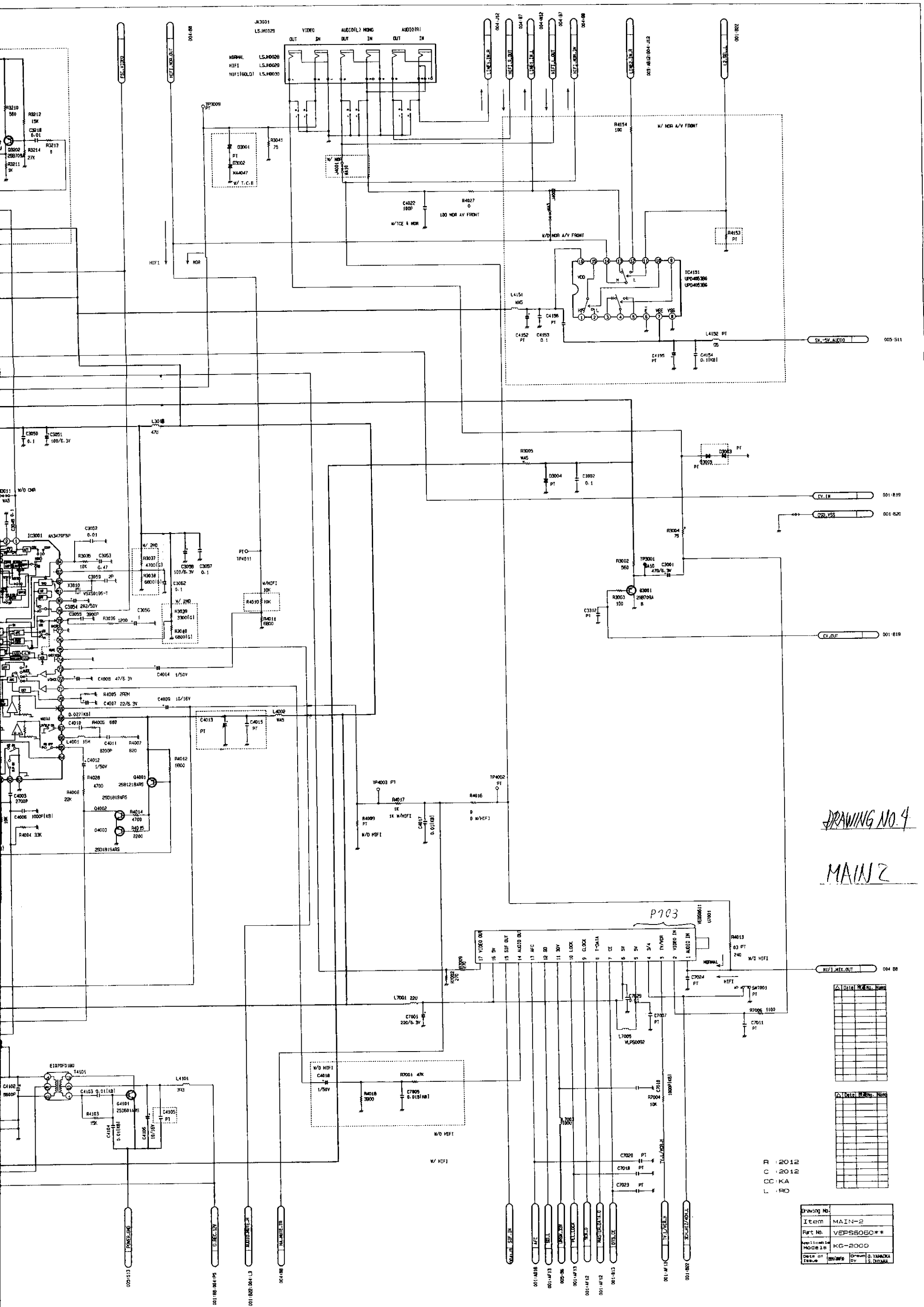


R 2012
C 2012
CC-KA
L RC

KG-20 Series MAIN 2







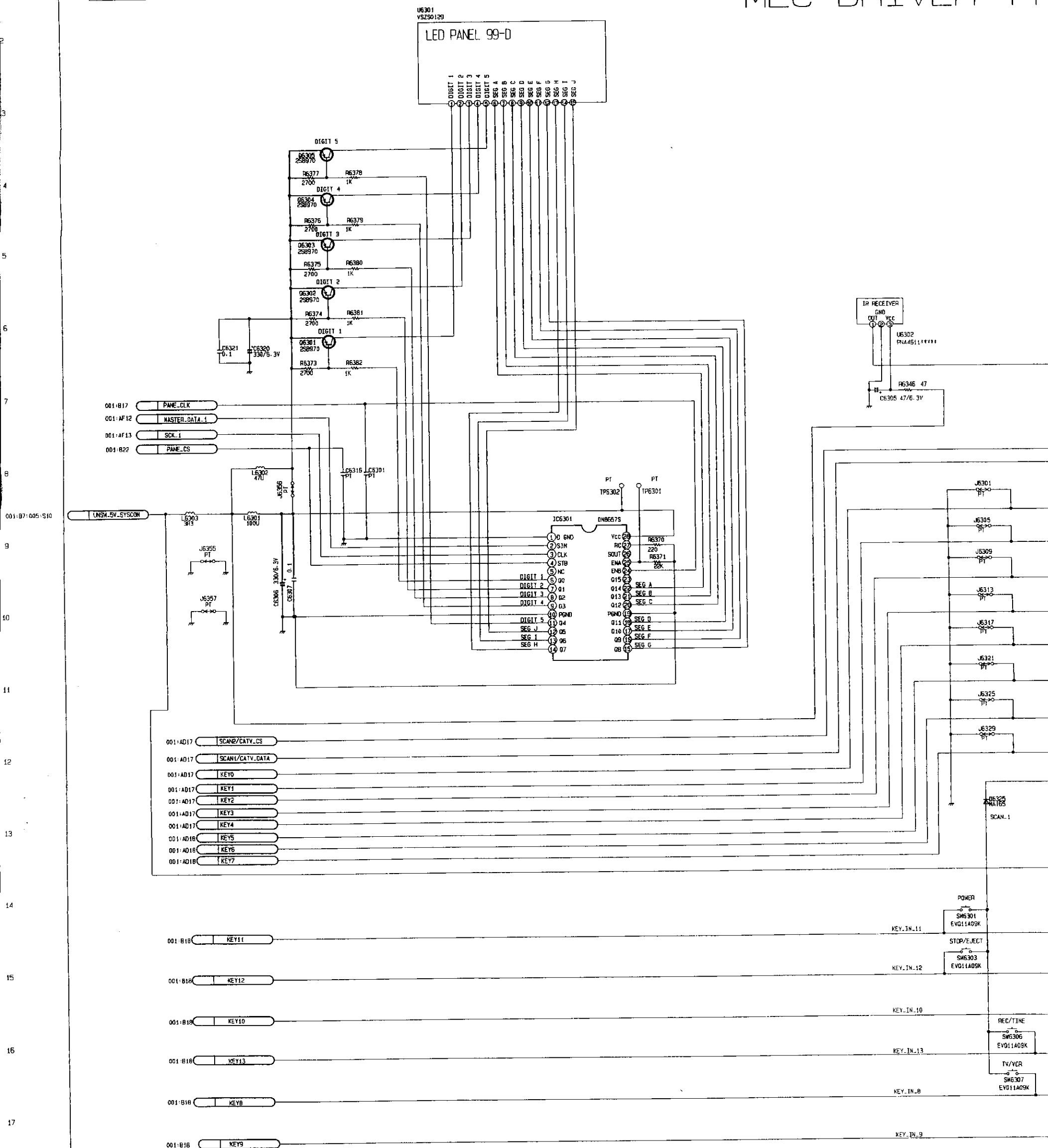
DRAWING NO. 4

MAIN 2

Item	MAIN-2
Part No.	VEPS060**
Model No.	KG-2000
Drawn by	G. YAMADA
Issue	S. YAMADA

KG-20series MAIN 3

LITEON LED PA
MEC DRIVER TY

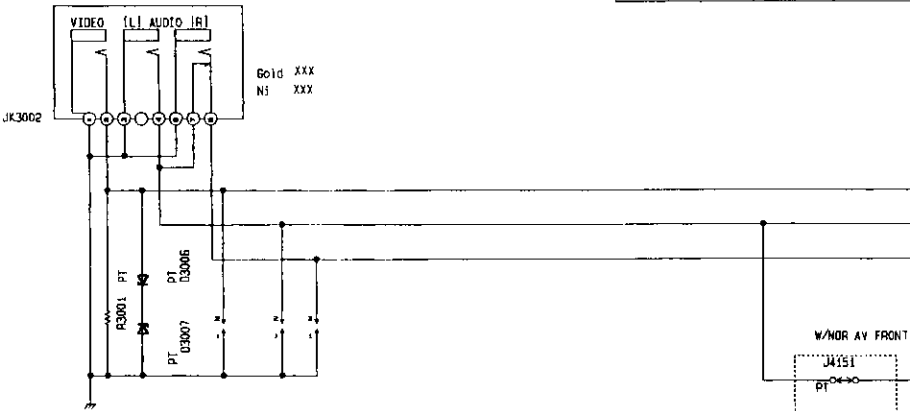
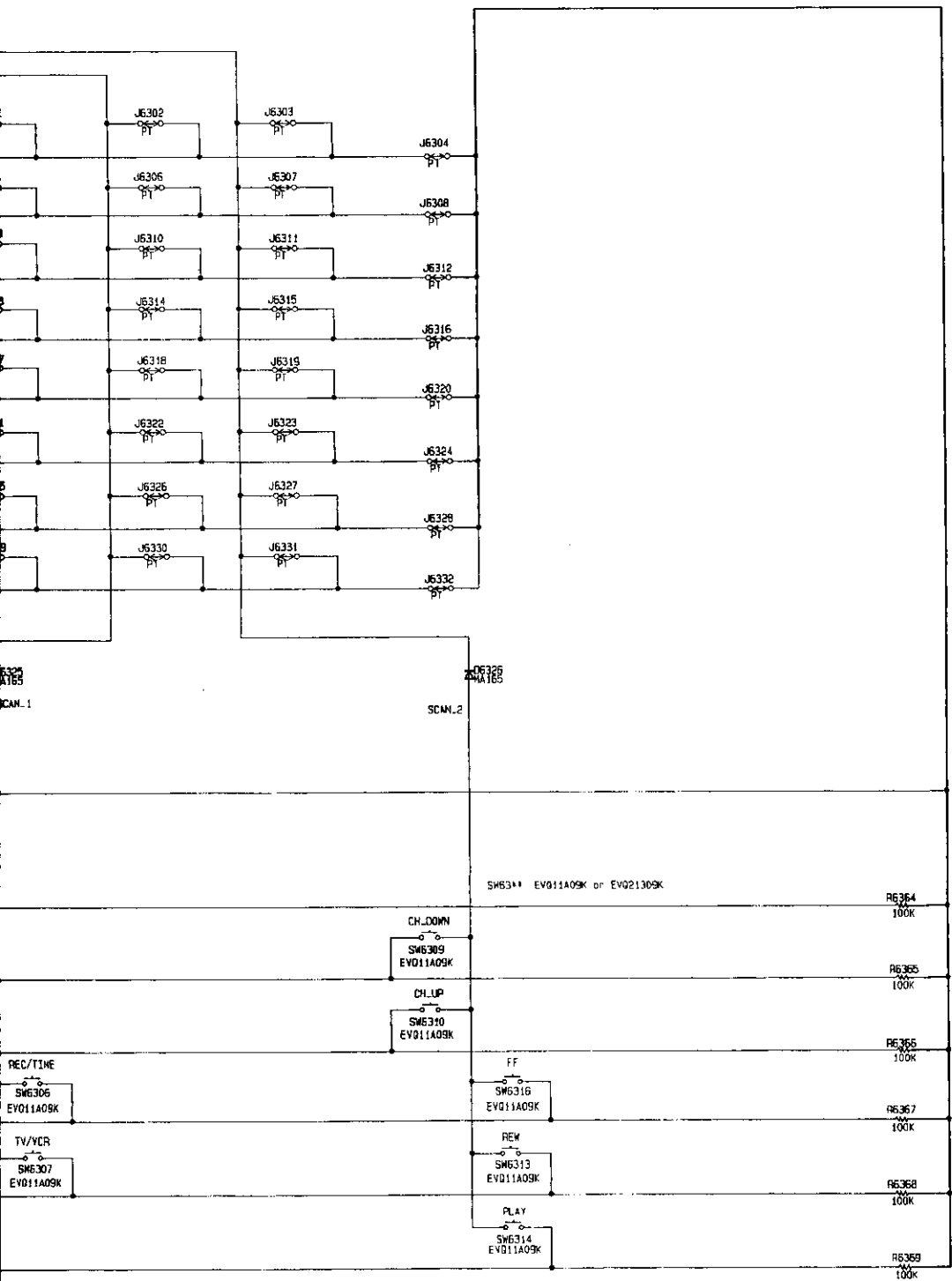


PANEL
TYPE

	99PANA.A	99PANA.B	99.GE
SW6301	POWER	# ---	---
SW6302	---	---	---
SW6303	STOP/EJECT	---	---
SW6304	---	---	POWER
SW6305	---	# ---	TV/VCR
SW6306	REC/TIME	---	CH.DOWN
SW6307	TV/VCR	REC/TIME	CH.UP
SW6308	---	TV/VCR	---
SW6309	CH.DOWN	CH.DOWN	---
SW6310	---	---	---
SW6311	CH.UP	CH.UP	REC
SW6312	---	---	STOP/EJECT
SW6313	REW	# ---	---
SW6314	PLAY	# ---	REW
SW6315	---	# ---	PLAY/PAUSE
SW6316	FF	# ---	FWD
J6351		○	
J6352	○		○

	99PANA.A	99PANA.B	
SW6301	POWER	# ---	
SW6302	---	---	
SW6303	STOP/EJECT	# ---	
SW6304	---	---	
SW6305	CH.DOWN	# ---	
SW6306	CH.UP	# ---	
SW6307	---	---	
SW6308	---	---	
SW6309	---	---	
SW6310	TV/VCR	TV/VCR	
SW6311	---	---	
SW6312	REW	REW	
SW6313	PLAY	PLAY	
SW6314	FF	FF	
SW6315	REC/TIME	REC/TIME	
SW6316	---	---	
J6351			
J6352	○	○	

	FPF	QPH	FTF
J6302	HIFI	HIFI	HIFI
J6303	4HD	FIP-O	4HD
J6306	---	VCRH	---
J6307	---	VCRH+	---
J6310	LINE2	LINE2	LINE2
J6311	SPATIALIZER	SPATIALIZER	---
J6314	99PANA.A/B	99PANA.A/B	---
J6315	PX	PX	---
J6318	---	ALL.SET	---
J6319	---	PCI	---
J6322	---	---	---
J6323	---	TOOL	99GE
J6326	TNR.DBG	TNR.DBG	TNR.DBG
J6327	---	---	---
J6330	---	---	---
J6332	---	---	---



DRAWING NO. 3

11A/11/3

	PT	
7	scan.1	
6	keyin.11	
5	keyin.10	
4	VIDEO.IN.2	
3	AV.GND	
2	AUDIO.IN.2.L	
1	AUDIO.IN.2.L	

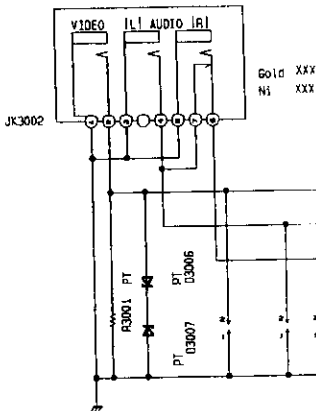
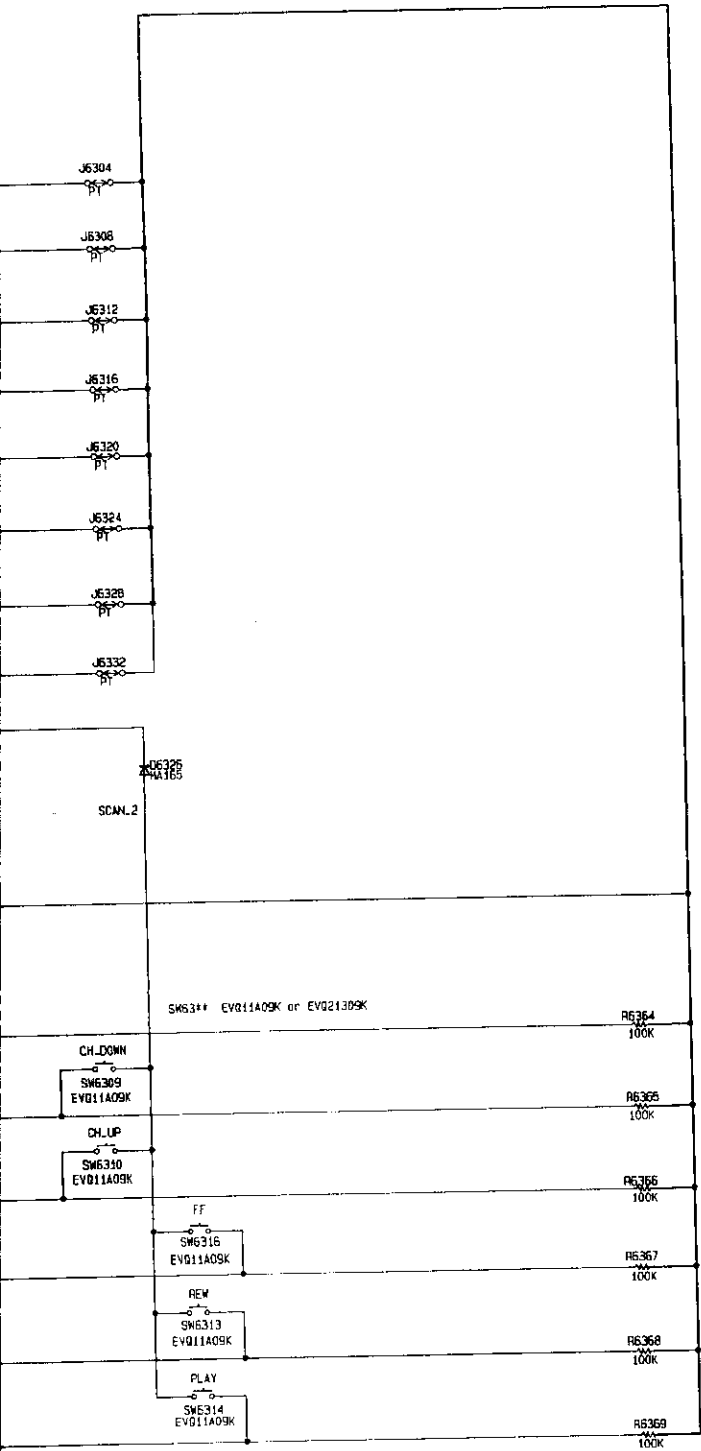
	PT	
7	keyin.9	
6	scan.2	
5	keyin.8	
4	keyin.13	
3	keyin.10	
2	keyin.12	
1	keyin.11	

	9SPANA_A	9SPANA_B	99_GE	99_RA	99_RB
SW6301	POWER	---	---	---	---
SW6302	---	---	---	---	---
SW6303	STOP/EJECT	---	---	---	---
SW6304	---	---	POWER	POWER	---
SW6305	---	---	TV/VCR	TV/VCR	---
SW6306	REC/TIME	---	CH.DOWN	CH.DOWN	---
SW6307	TV/VCR	REC/TIME	CH.UP	CH.UP	CH.DOWN
SW6308	---	TV/VCR	---	---	CH.UP
SW6309	CH.DOWN	CH.DOWN	---	---	---
SW6310	---	---	---	---	---
SW6311	CH.UP	CH.UP	REC	REC	TAPE SPEED
SW6312	---	---	STOP/EJECT	REW	STOP/EJECT
SW6313	REW	---	---	PLAY	REC
SW6314	PLAY	---	REW	FWD	REW
SW6315	---	---	PLAY/PAUSE	STOP/EJECT	PLAY
SW6316	FF	---	FWD	---	FWD
J6351					
J6352					

	9SPANA_A	9SPANA_B		
SW6301	POWER	---		
SW6302	---	---		
SW6303	STOP/EJECT	---		
SW6304	---	---		
SW6305	CH.DOWN	---		
SW6306	CH.UP	---		
SW6307	---	---		
SW6308	---	---		
SW6309	---	---		
SW6310	TV/VCR	TV/VCR		
SW6311	---	---		
SW6312	REW	REW		
SW6313	PLAY	PLAY		
SW6314	FF	FF		
SW6315	REC/TIME	REC/TIME		
SW6316	---	---		
J6351				
J6352				

	FPF	QPH	FTF	GTJ
J6302	HIFI	HIFI	HIFI	HIFI
J6303	4HD	FIP-D	4HD	---
J6306	---	VCRH	---	VCRH
J6307	---	VCRH	---	VCRH
J6310	LINE2	LINE2	LINE2	LINE2
J6311	SPATIALIZER	SPATIALIZER	---	---
J6314	9SPANA_A/B	9SPANA_A/B	---	AUTO.REP
J6315	PX	PX	---	D.SET
J6318	---	ALL.SET	---	---
J6319	---	PCI	---	---
J6322	---	---	---	---
J6323	---	TOOL	99GE	---
J6326	TNR.DBG	TNR.DBG	TNR.DBG	TNR.DBG
J6327	---	---	---	---
J6330	---	---	---	---
J6332	---	---	---	---

TR_DATA 001:AF13



DRAWING NO. 3

11A/11/3

6321 PT

7	scan.1
6	keyin.11
5	keyin.10
4	VIDEO_IN.2
3	AV_GND
2	AUDIO_IN2.R
1	AUDIO_IN2.L

6322 PT

7	keyin.9
6	scan.2
5	keyin.8
4	keyin.13
3	keyin.10
2	keyin.12
1	keyin.11

RIGHT I.OP VJSS0069

1	keyin.9
2	scan.2
3	keyin.8
4	keyin.13
5	keyin.10
6	keyin.12
7	keyin.11

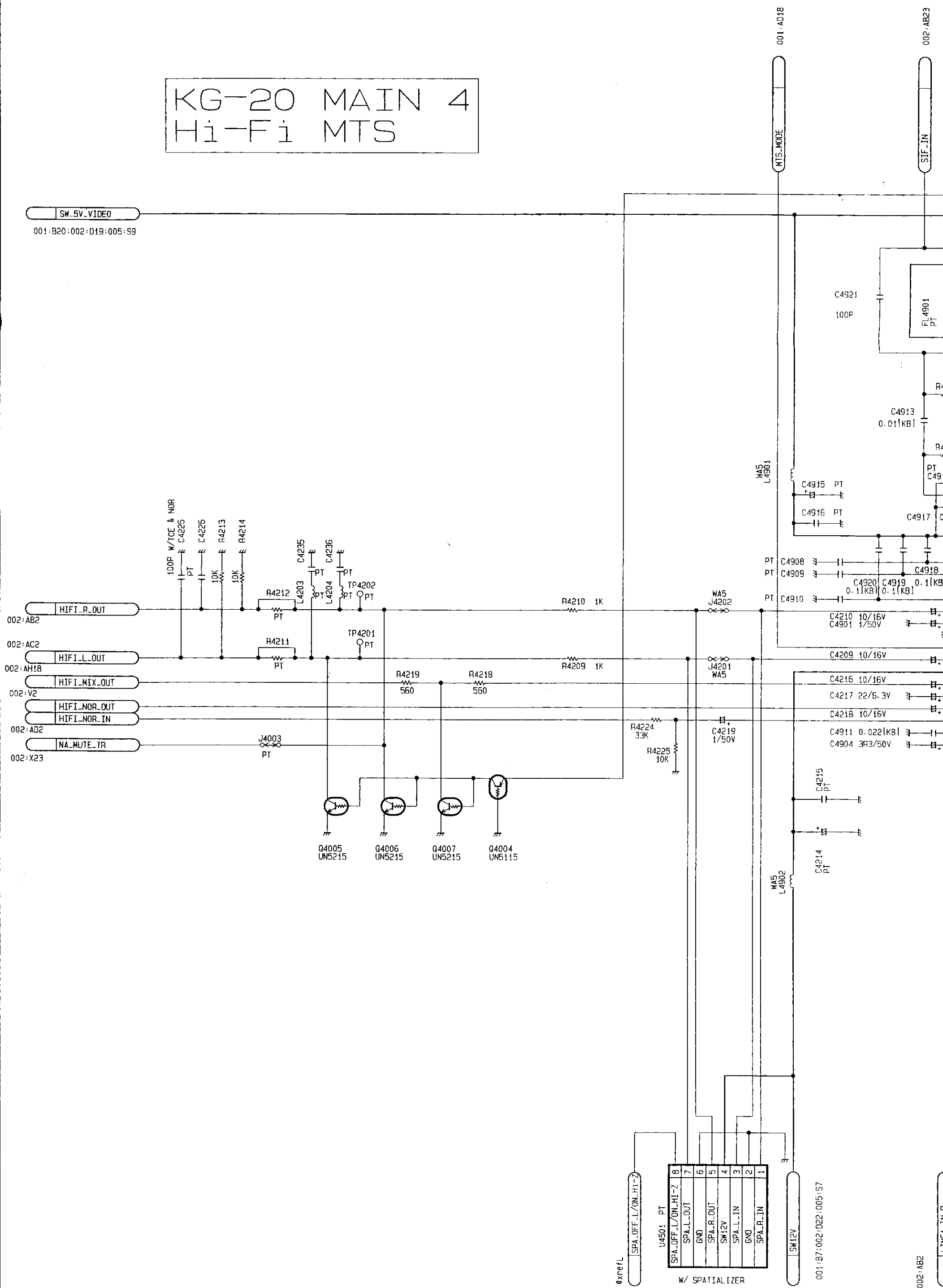
6320 PT VJPS0712

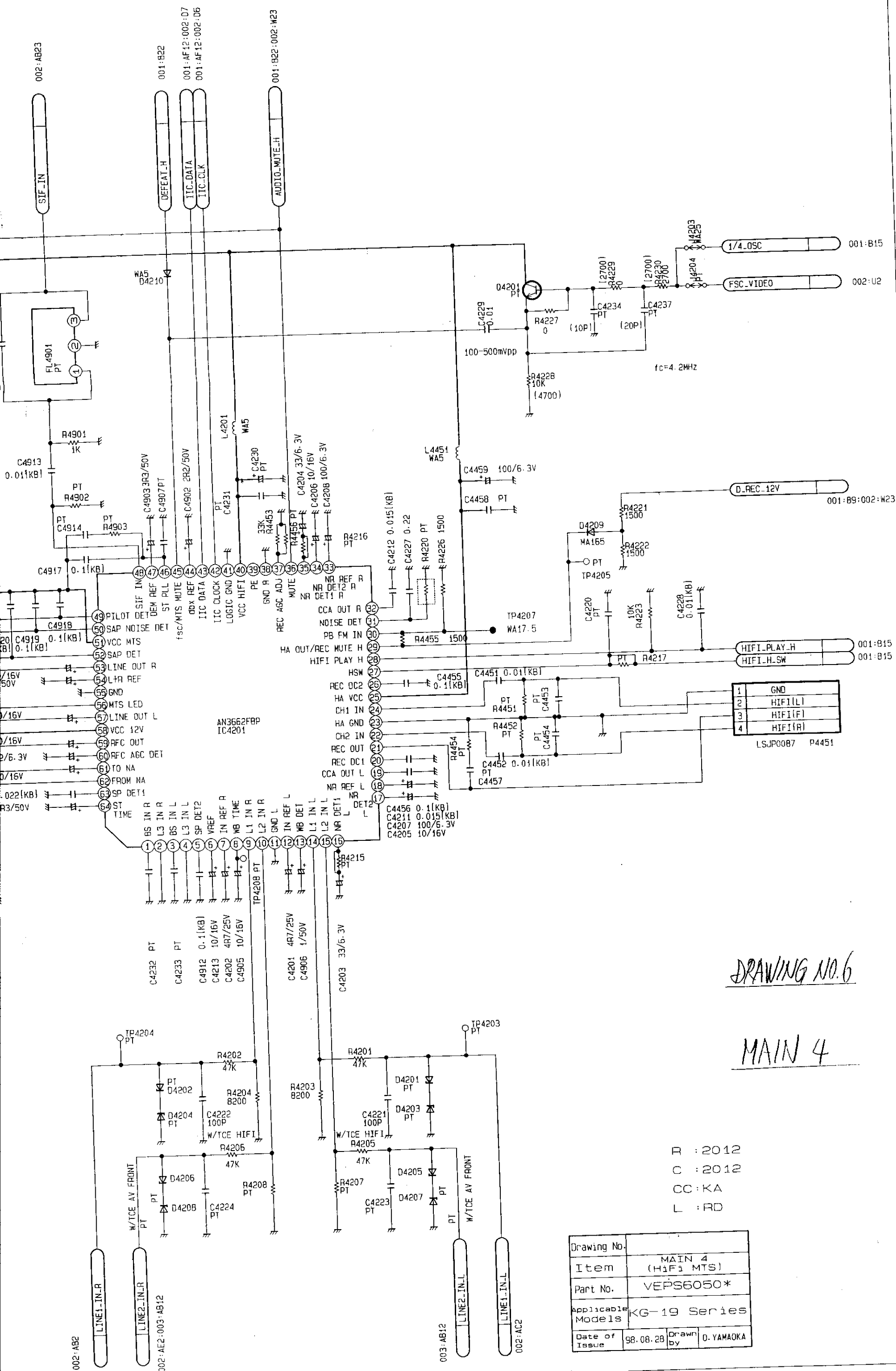
1	AUDIO_IN2.L
2	AV_GND
3	AV_GND
4	AUDIO_IN2.R
5	AV_GND
6	VIDEO_IN2
7	CATV_SCK
8	keyin.6
9	keyin.12
10	keyin.13
11	keyin.11
12	scan.1
13	keyin.10
14	CATV_CS
15	CATV_DATA
16	UNSW 5V
17	UNSW 14V
18	GND

DATE: 2012
C: 2012
CC: KA
L: RD

UNSW 14V 0xrefL CATV.CLK 0xrefL

KG-20 MAIN 4
Hi-Fi MTS





DRAWING NO. 6

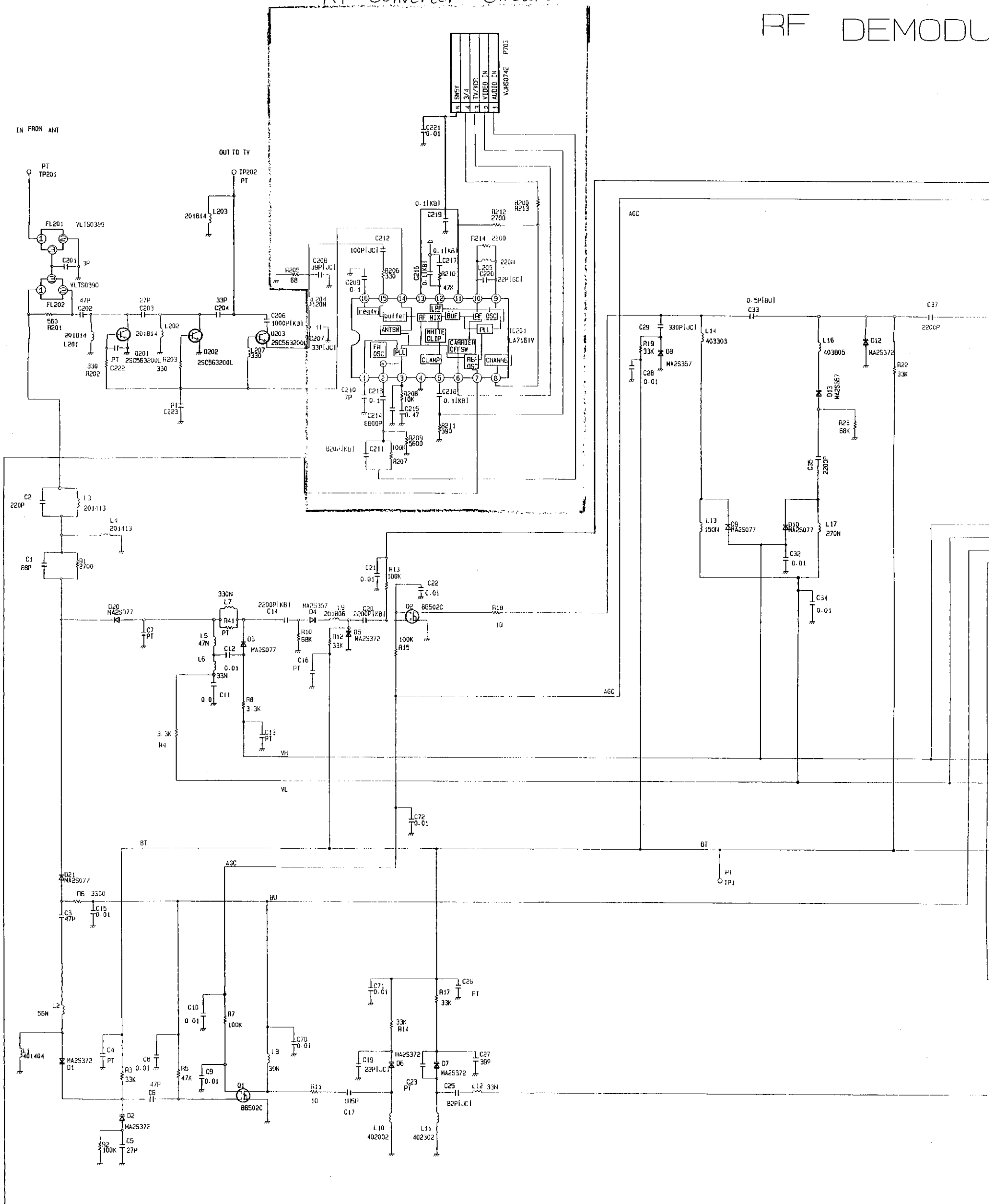
MAIN 4

```
R : 2012
C : 2012
CC: KA
L : RD
```

Drawing No.			
Item	MAIN 4 (H/F1 MTS)		
Part No.	VEPS6050*		
Applicable Models	KG-19 Series		
Date of Issue	98.08.28	Drawn by	D. YAMAOKA

RF Converter Circuit

RF DEMODUL



TUMPA

[illegible]

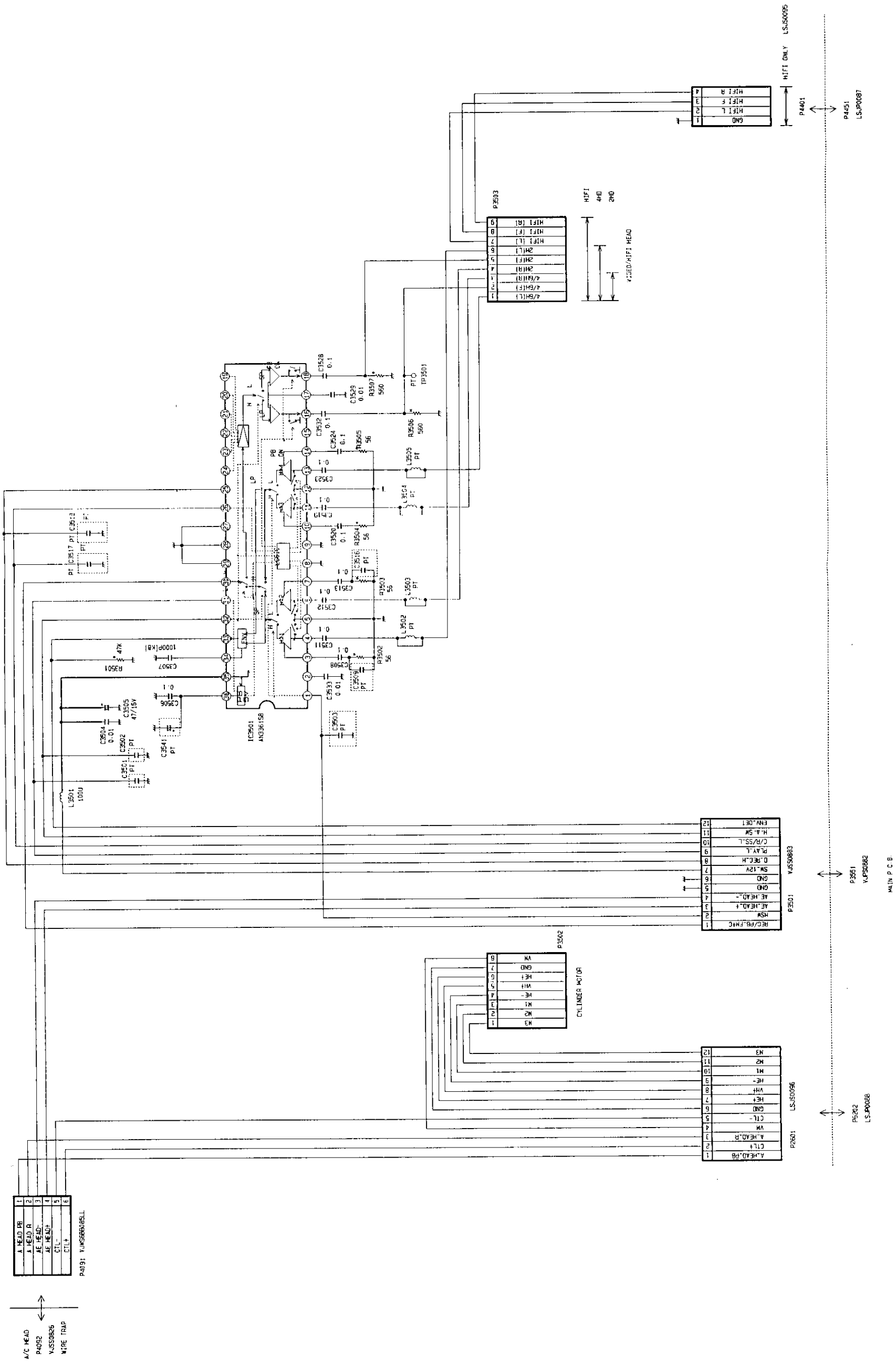
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	LAST NO.	NOT	USED	NO.
IC				
Q				
D				
R				
C				
L				
IP				

[illegible]

Drawing No.			
Item	RF DEMONSTRATOR		
Part No.	VEQS0614H		
Applicable Models	K6-20		
Date of Issue	99/8/23	Drawn by	KAWAHARA

MASS. PL. HC 100.4

KG-20 Hi-Fi 4HEAD AMP



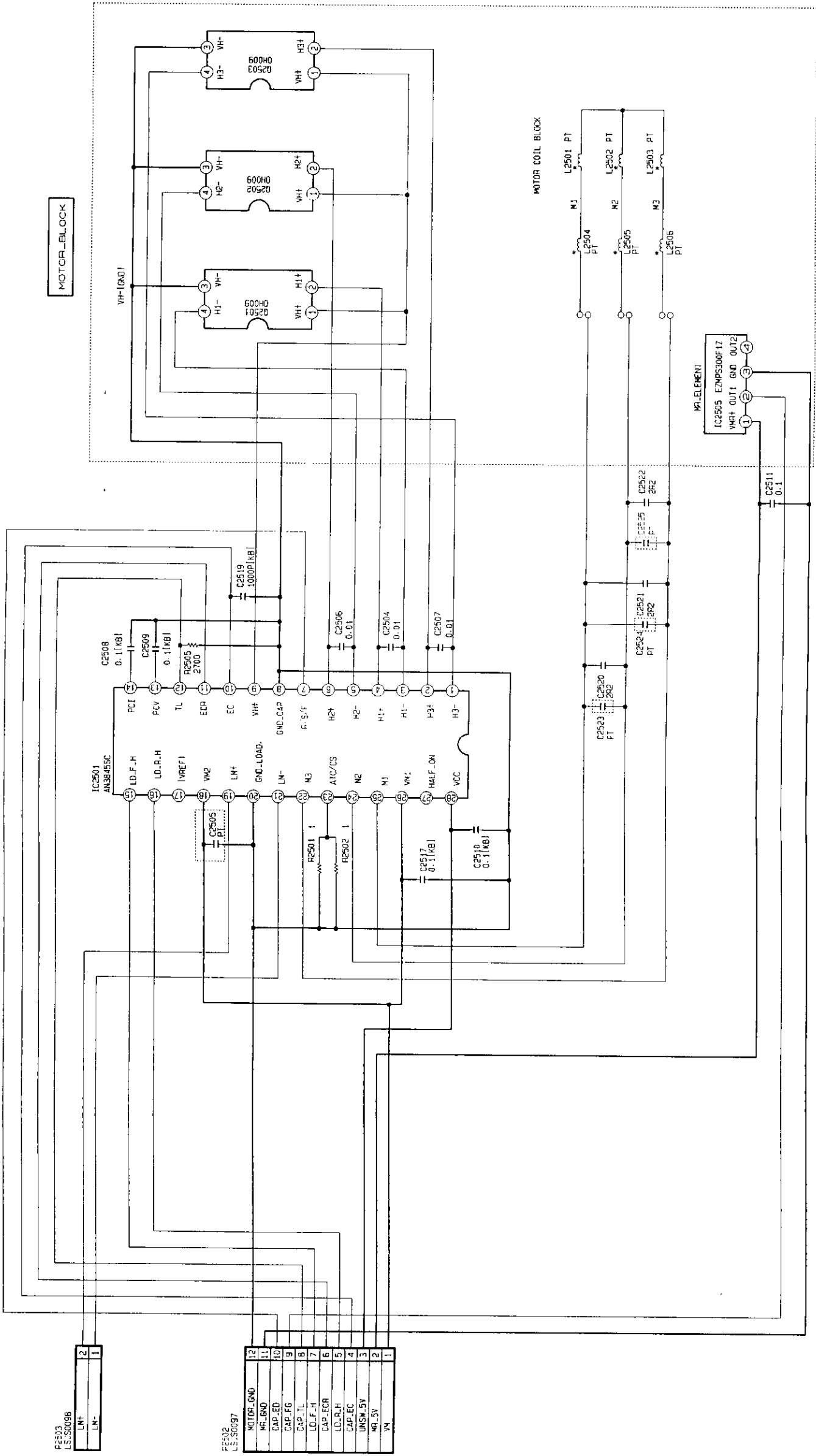
David 20.2

HEAD AMI-

[illegible]

Drawing No.	777777
Item	HI-FI 4HD HEAD AMP
Part No.	VEP50332
Applicable Models	KG-20 SERIES
Date of Issue	99/05/11
Drawn by	YAMASHITA, SHINJI

$\Phi_{\text{MECHA_CAP_STATOR}}$

[illegible]

Drawing No.	V2007.001
Item	CAP-STATOR
Part No.	VEPS2007
Applicable Models	ØMECHA-MODELS
Date of Issue	7/23/99
Drawn by	T-SHIBA K. MORIMOTO

DRAWING NO. 1

CAP. STATOR