



DVD Player
Service Manual

MODEL: DVD-K2205

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SPECIFICATION

DVD PLAYER	
Power supply	100 ~ 240V
Watts	13W
Weight	1.82Kg
Dimension (W x H x D)	320 x 38 x 230mm
Signal system	PAL /AUTO /NTSC
Laser	Semi-conductor laser, wave length 650nm, 780nm
Frequency range	DVD liner sound: 48KHz pulse modulation 20Hz ~ 22KHz 96KHz pulse modulation 20Hz ~ 22KHz CD Audio frequency: 20Hz ~ 22KHz
S/N	≥ 90 Db
Audio dynamic range	≥ 85 dB
Flicker rate	Smaller than detectable range
Operation condition	Temp: 0°C ~ 40°C, Operation state: Level surface
OUTPUT	
Video output	1.0 ± 0.2V (P-P), 75ohm
S-Video output	(Y) 1.0V (P-P), 75ohm
	© 286mV (P-P), 75ohm
Analog audio output	2.0 +0.2 /-1.0V(rms)
Component video output	(Y) 1.0V(P-P), 75ohm (C) 0.7V (P-P), 75ohm

Specifications are subject to change without notice.

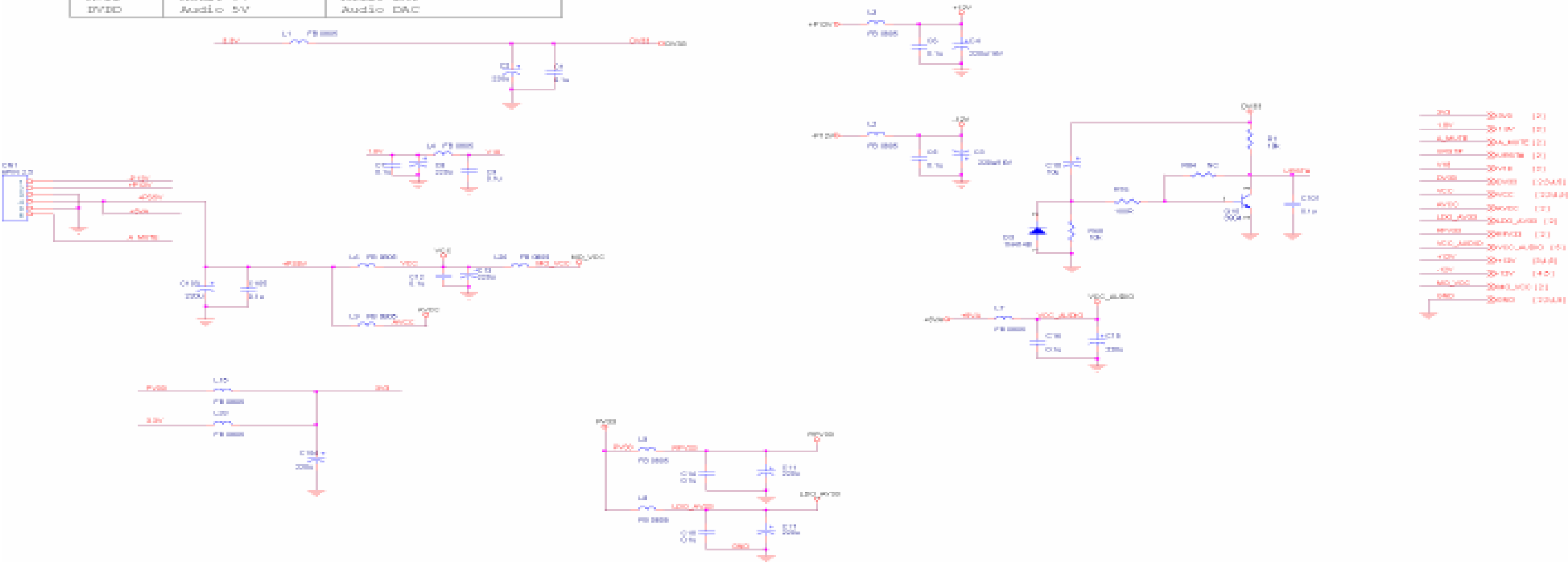
CIRCUIT DIAGRAM

MPEG LOGIC 1

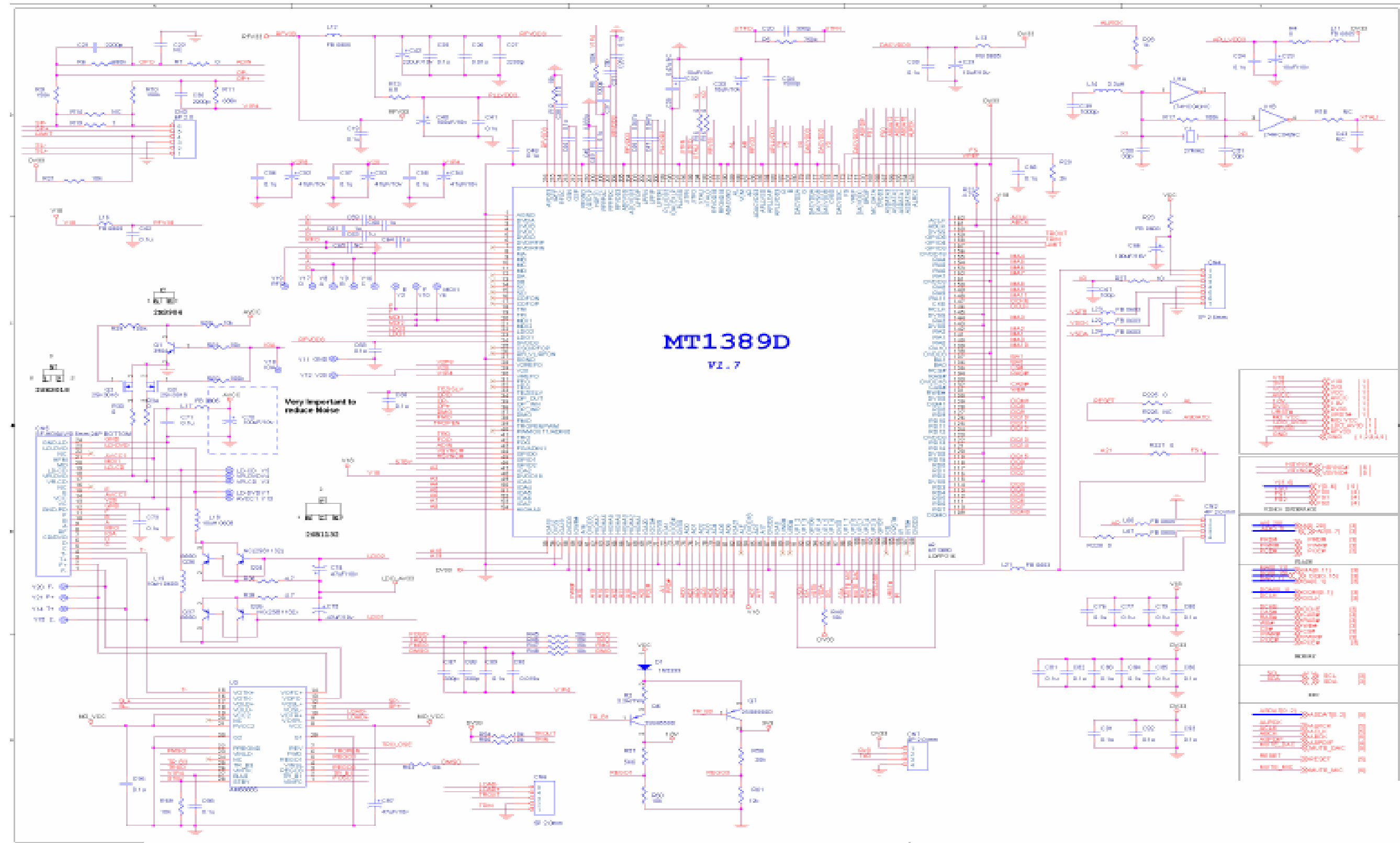
MT1389QE/D DVD Board for SANYO HD62 PUH

- 1 INDEX & POWER, RESET
- 2 RF / SERVO/MPEG = MT1389D
- 3 MEMORY = SDRAM, FLASH/EEPROM
- 4 VIDEO FILTER
- 5 AUDIO - WM8766,

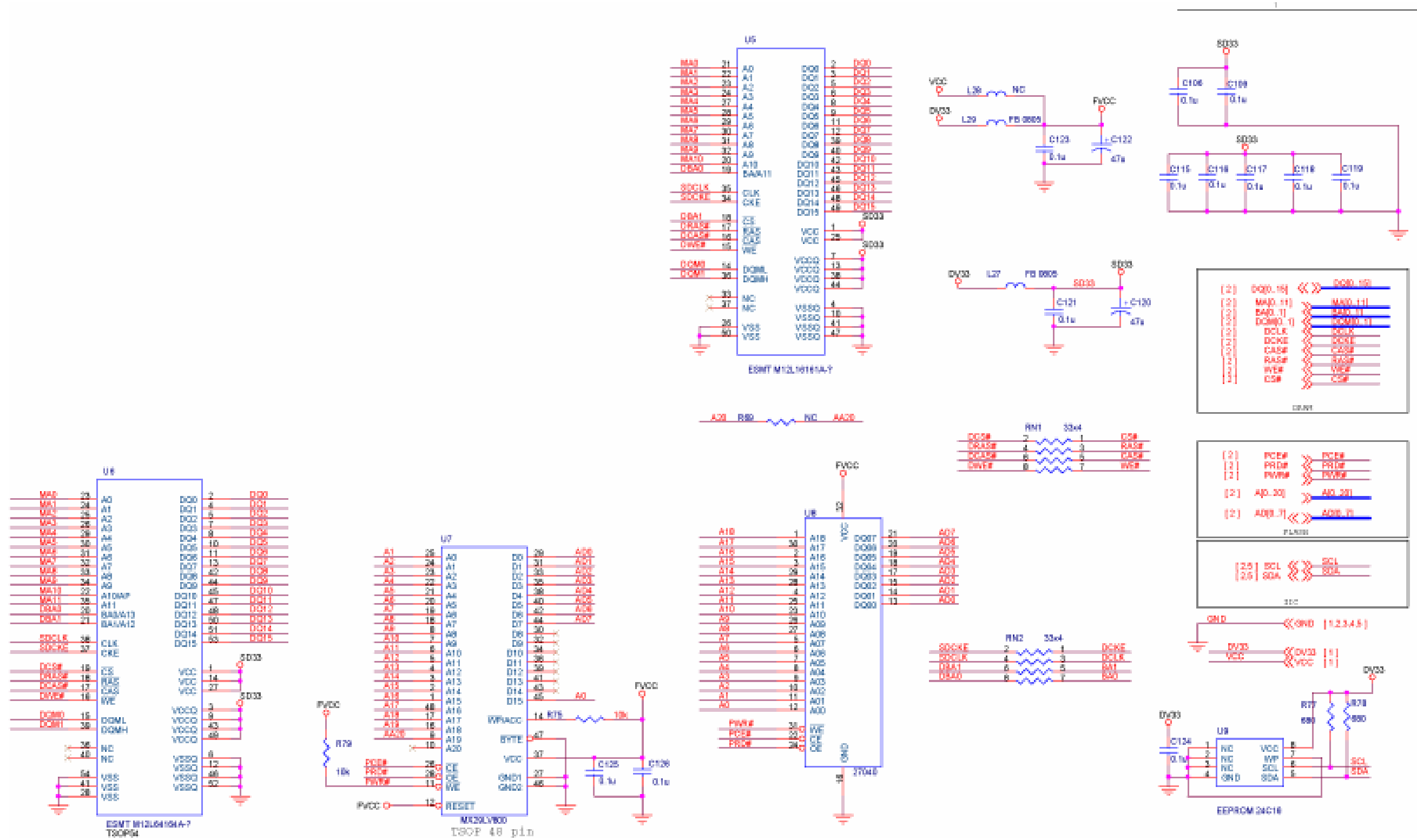
NAME	TYPE	DEVICE
VCC	Digital 5V	SUPPLY
DVDD	Digital 3.3V	MT1389B
RFVDD	Servo 3.3V	MT1389B
LDO_AVDD	Laser Diode 3.3V	
AVCC	RF 5V	PICKUP HEADER
V18	Digital 1.8V	MT1389B
SDVDD	Digital 3.3V	SDRAM
+12V	Audio +12V	OP AMP.
-12V	Audio -12V	OP AMP.
AVDD	Audio 5V	Audio DAC
DVDD	Audio 5V	Audio DAC



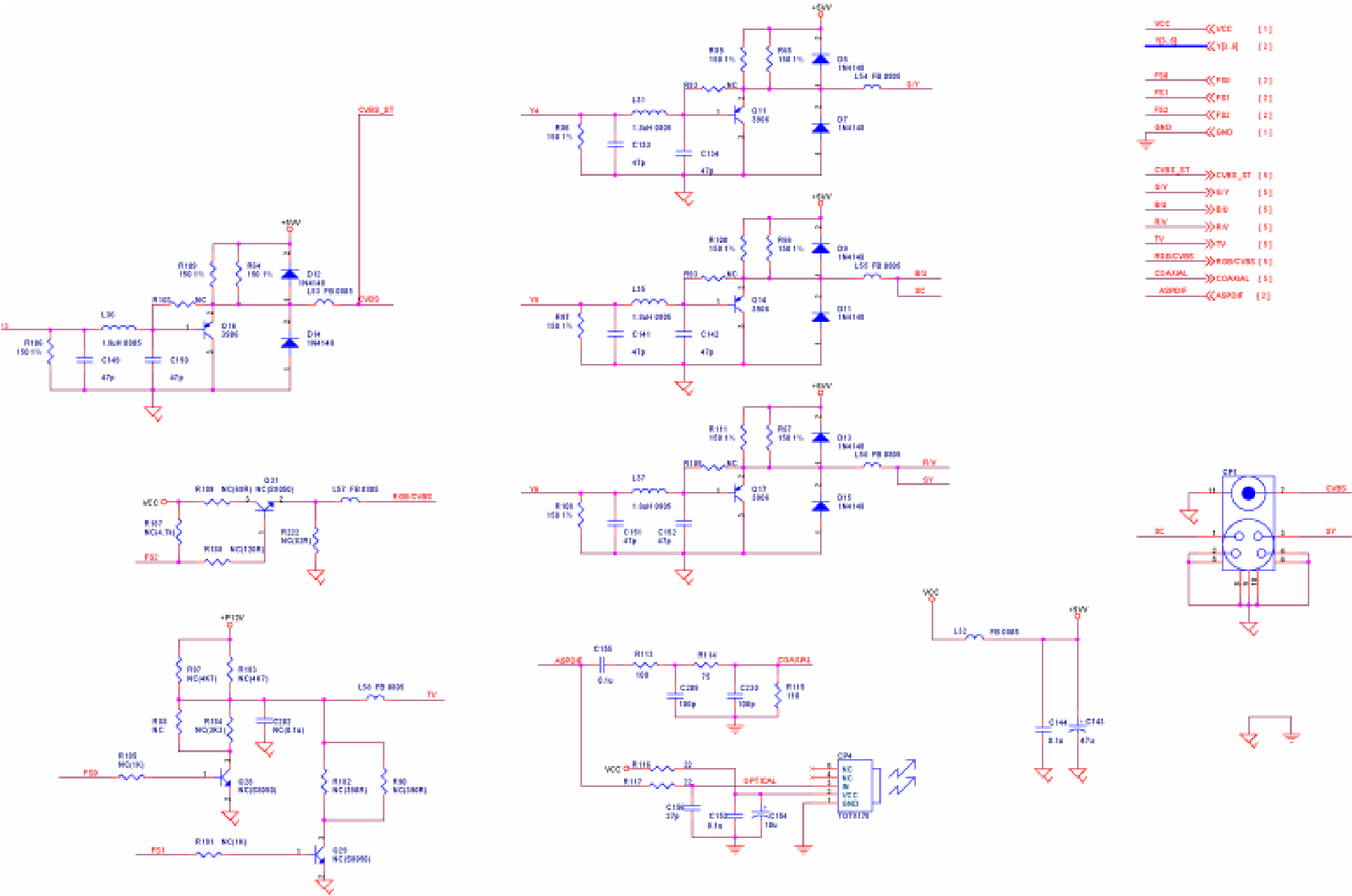
MPEG LOGIC 2



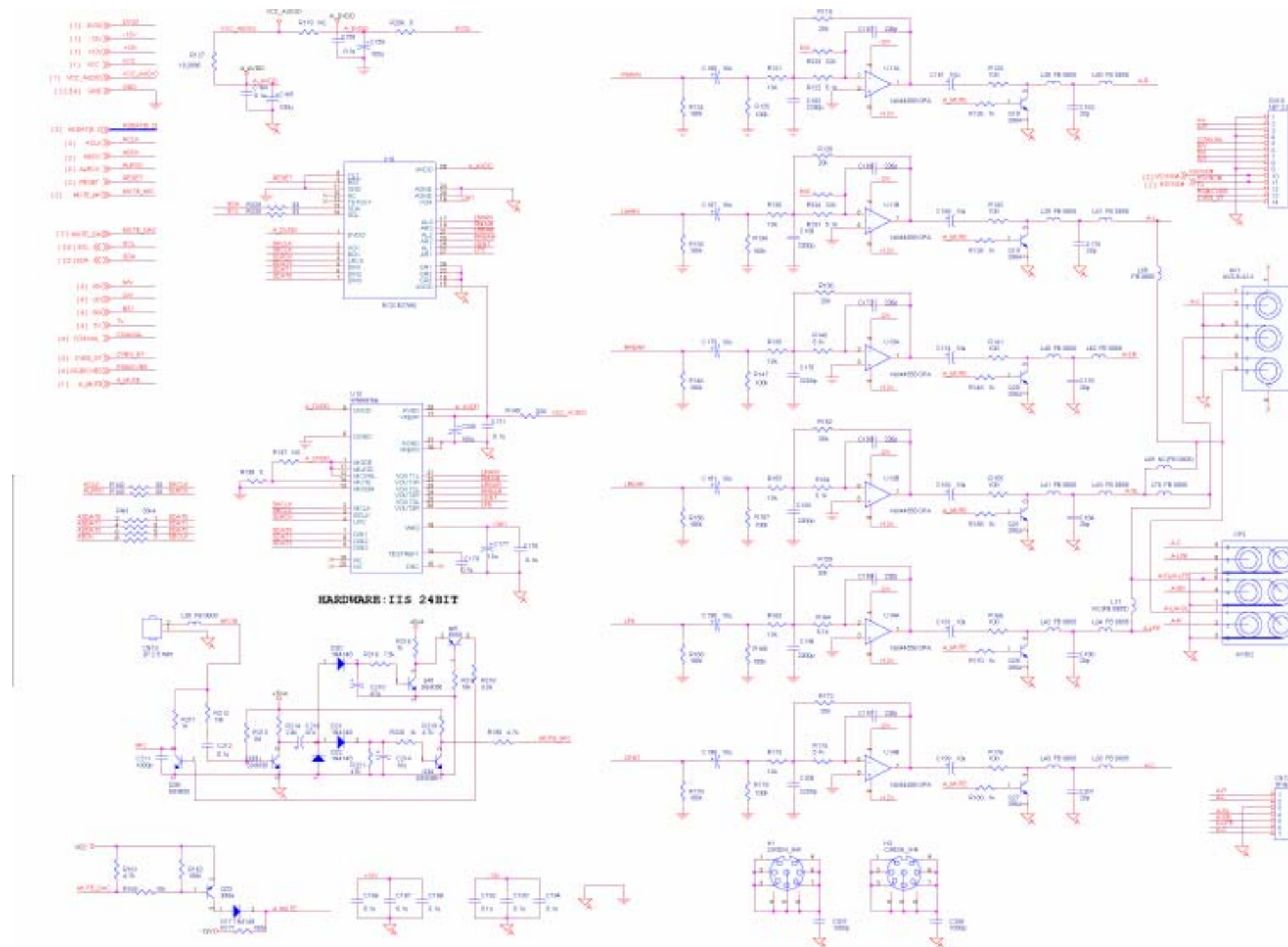
MPEG LOGIC 3



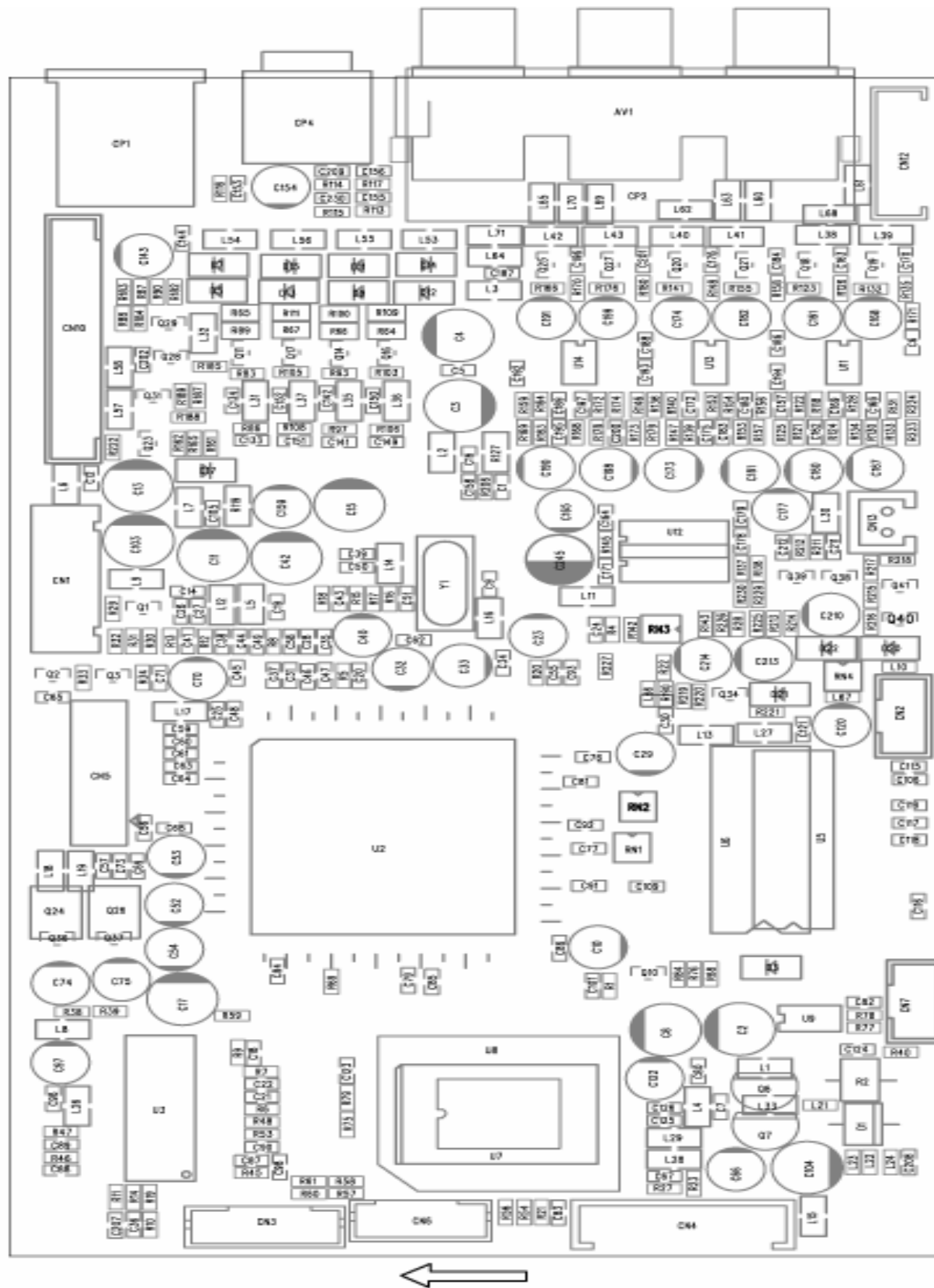
MPEG LOGIC 4



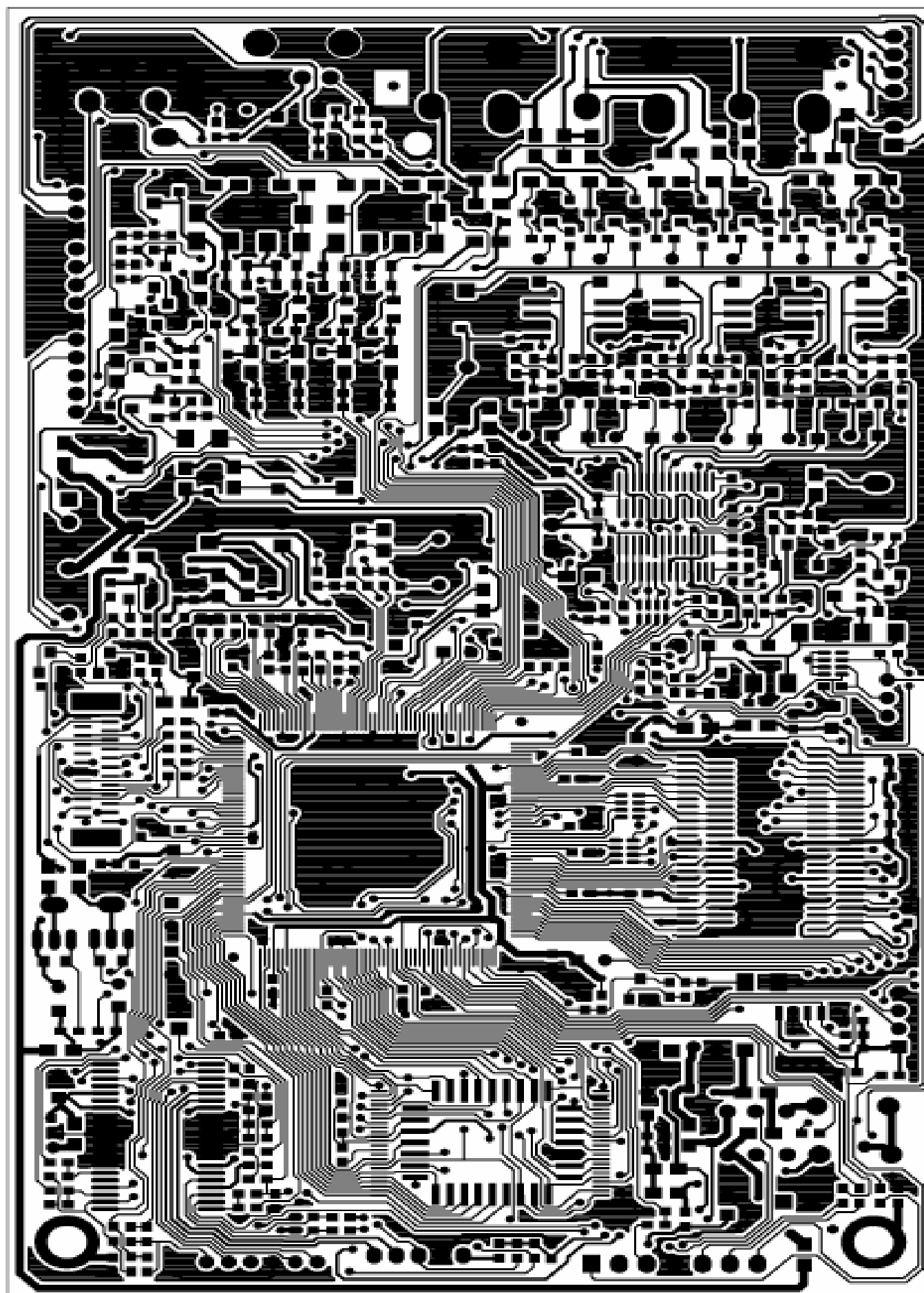
MEPG LOGIC 5



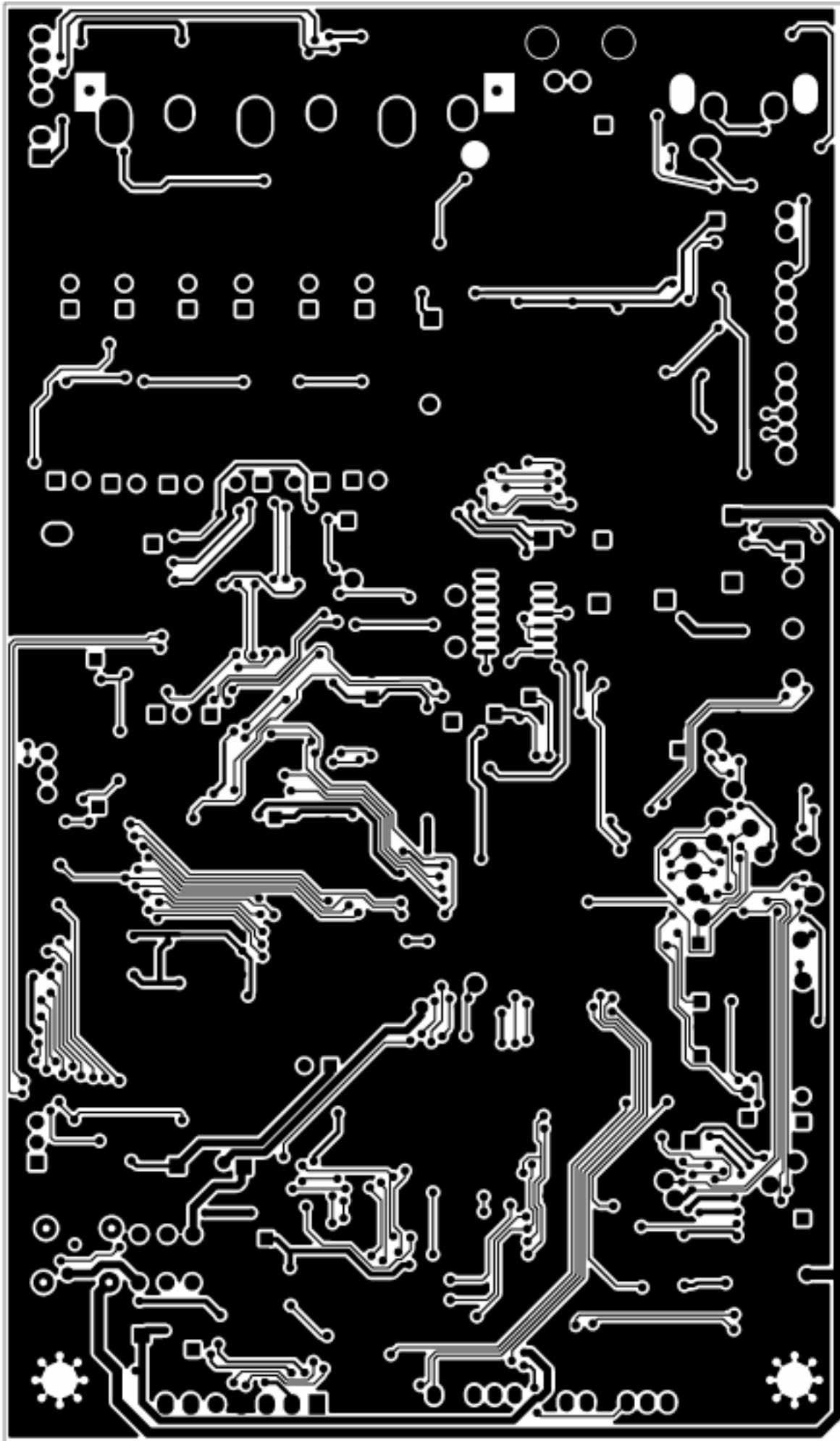
MPEG TOP output



1389D-5.1CH-E.pcb - Wed Dec 28 20:52:26 2005

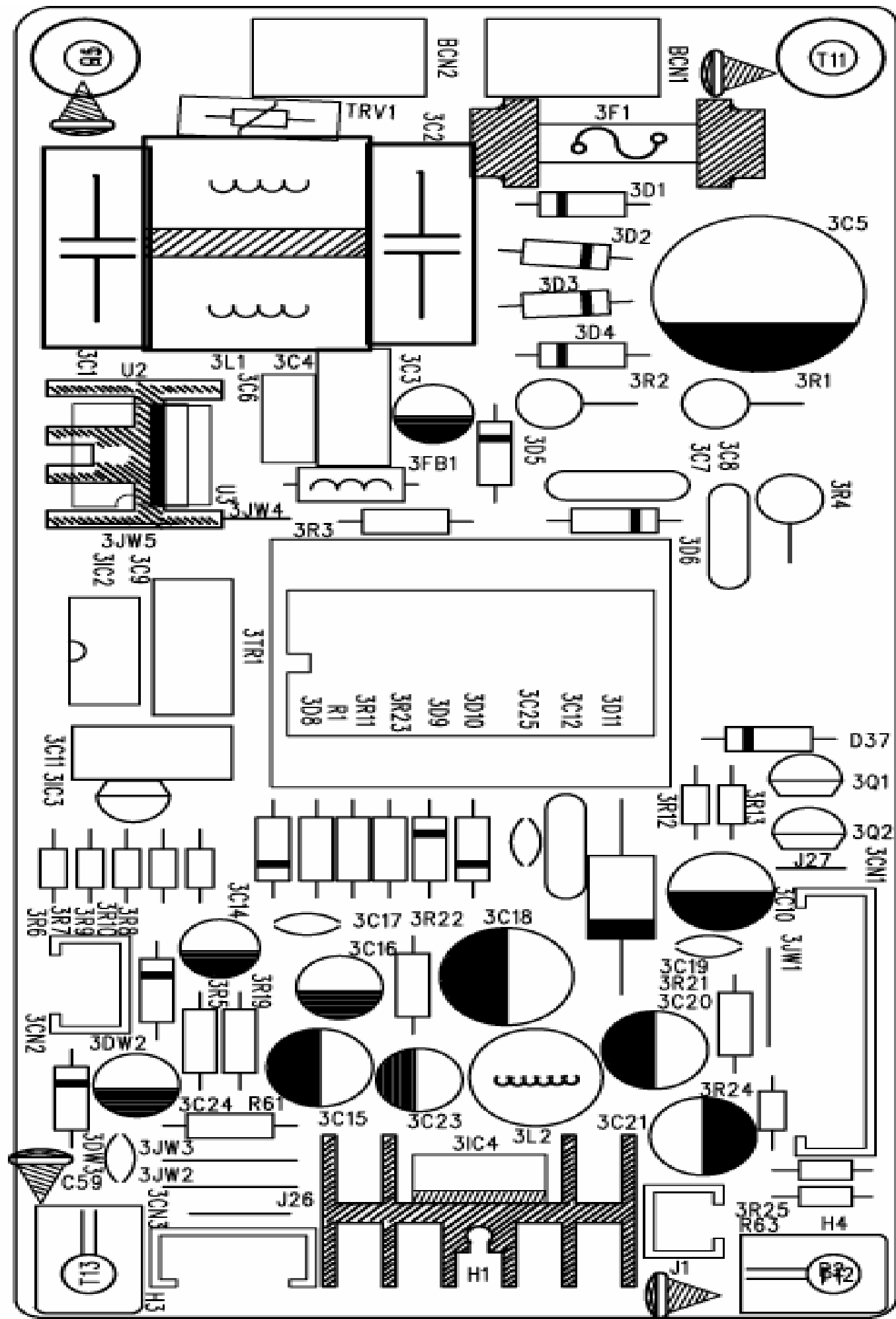
MPEG TOP ROUTING OUTPUT.

qs89dm6-5.1-k.pcb - Wed Dec 28 20:40:33 2005

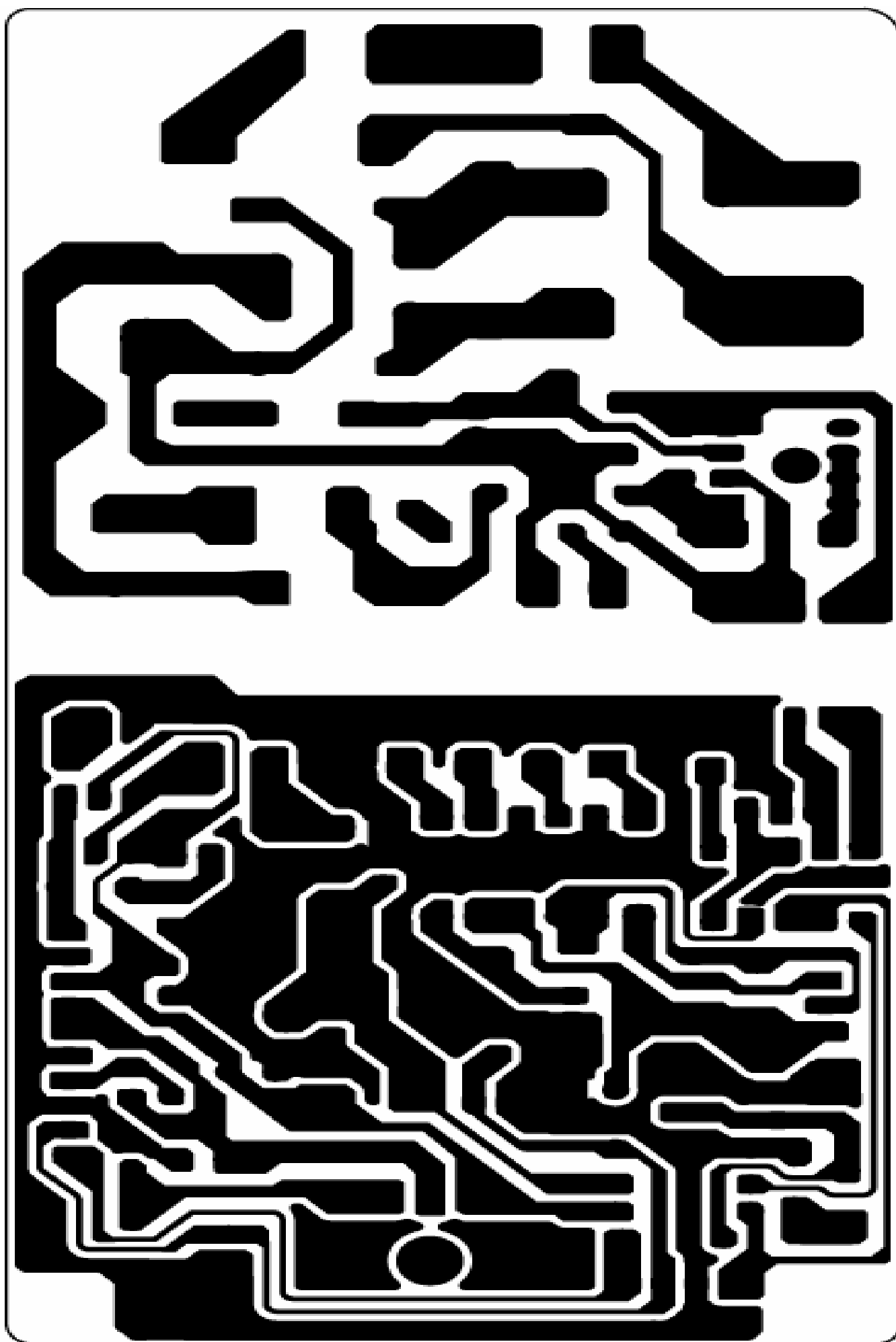
MPEG BOTTOM ROUTING OUTPUT.

qs89dm6-5.1-k.pcb - Wed Dec 28 20:42:04 2005

POWER TOP

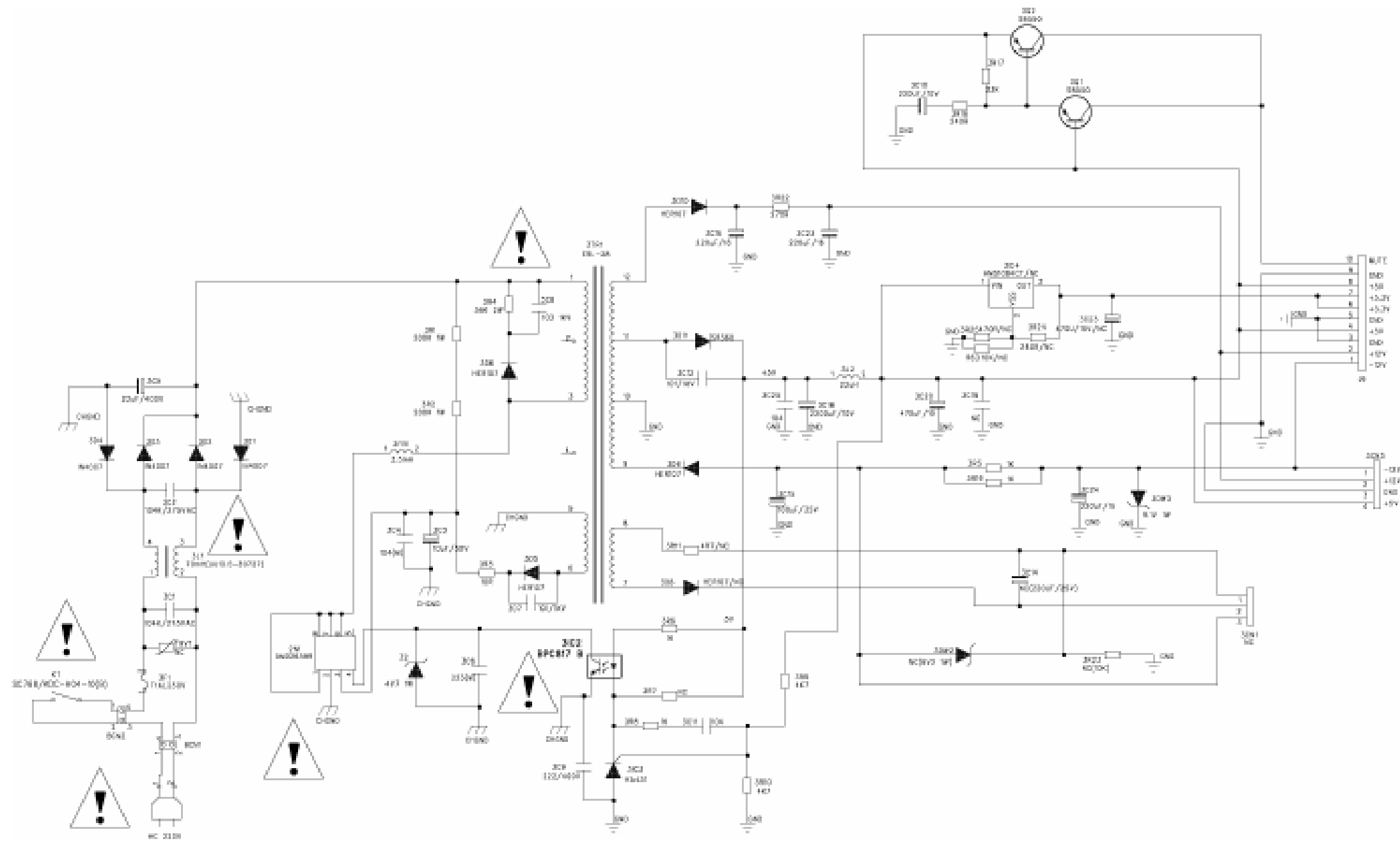


8105 003B.pcb – Wed Dec 28 20:48:34 2005

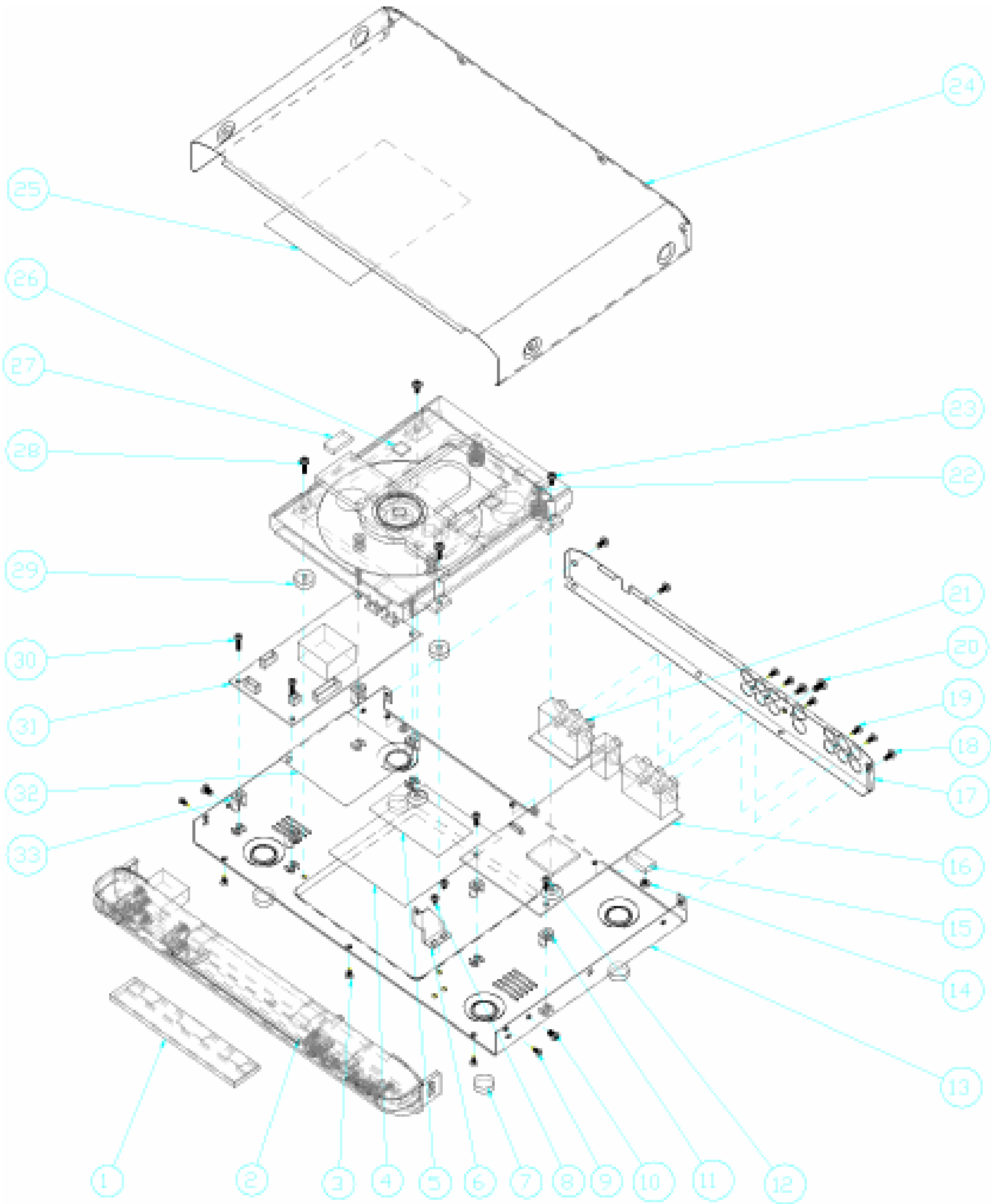
POWER BOTTOM

8105_003B.pcb - Wed Dec 28 20:46:54 2005

SWITCHING POWER



EXPLODED VIEW



PARTLIST

ITEM	DESCRIPTION	SPEC	QTY
1	DOOR		1
2	FRONT PANEL ASSEMBLY		1
3	SUNKEN HEAD SELF TAPPING SCREW	ST3X8	3
4	INSULATED PVC PAD	80X50X0.2	1
5	BLACK GLUME CHROME PAPER	72X37X0.2	1
6	RIGHT PANEL BASE	ATV-806-WJ007	1
7	SHOCK-ABSORBING PAD	Ø 15X5	4
8	MACHINE SCREW	M3X4	2
9	SUNKEN HEAD SELF TAPPING SCREW	ST3X8	2
10	ROUND HEAD TRI-LOBULAR SELF TAPING SCREW	ST3X6	2
11	CURVED PLASTIC HOLDER	5MM	2
12	TRI-LOBULAR SELF TAPPING SCREW (R)	ST3X10	2
13	BOTTOM PLATE	ATV-806-N-WJ002	1
14	TRI-LOBULAR SELF TAPPING SCREW (R)	ST3X5	3
15	SPONCE PAD WITH ADHESIVE IN BOTH SIDES	20X10X5	1
16	MPEG BOARD		1
17	BACK PLATE	ATV-806-N-WJ003	1
18	TRI-LOBULAR SELF TAPPING SCREW (P)	ST3X8	4
19	SELF TAPPING SCREW (R)	ST3X8	5
20	TRI-LOBULAR SELF TAPPING SCREW (P)	ST4X8	1
21	004 BOARD		1
22	LOADER AND PICKUP ASSEMBLY	KENWOOD	1
23	MACHINE SCREW (P)	M3X7	2
24	TOP COVER	ATV-806-N-WJ001	1
25	INSULATED PVC PAD	125X90X0.2	1
26	SPONCE PAD WITH ADHESIVE IN ONE SIDE	10X10X2	2
27	SPONCE PAD WITH ADHESIVE IN ONE SIDE	20X10X4	2
28	MACHINE SCREW (P)	M3X11	2
29	RUBBER PAD	Ø 15X Ø 3.5X 4.5	2
30	TRI-LOBULAR SELF TAPPING SCREW (P)	ST3X13	4
31	POWER PCB BOARD		1
32	INSULATED PVC PAD	70X70X0.2	1
33	CURVED PLASTIC HOLDER	8MM	2

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