S/M No. : OSDPC72001

Service Manual

(7.0-Inch) LCD Clolor Monitor &
DVD Player

Model: DPC-7200PD

✔ **Caution**

: In this Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service Information Center

DAEWOO ELECTRONICS

MAY. 2005

CONTENTS

SPECIFICATION

LCD MONITOR

Model No.: LMD-4708GQU Out put: 50mW/16ohm Supply Voltage:_____

Description		Condition	Unit	Limit	Nominal				
Headphone Output		1KHz 0dB	mW	3±2	3				
Headphone Noise		No Signal	mV	<1mV	<1mV				
SPK MAX Output	L	1KHz 0dB	mW	600±100	600				
	R	1KHz 0dB	mW	600±100	600				
SPK MAX Output(AV IN)	L	1KHz 0dB	mW	600±100	600				
	R	1KHz 0dB	mW	600±100	600				
REF THD		1KHz 0dB	%	5	3				
SPK S/N		Infinity zere/-∝dB/L&R	dB	≥35	≥35				
Headphone S/N		Infinity zere/-∝dB/L&R	dB	≥60	≥60				
Luminance(MAX)		White Signal	LUX	300±50	300				
Luminance(8STEP)		White Signal	LUX	250±50	250				
Luminance(MIN)		White Signal	LUX	100±50	100				
Headphone RESP	L	20Hz	dB	±3	0				
		125Hz	dB	±3	0				
		10KHz	dB	±3	0				
		20KHz	dB	±3	0				
	R	20Hz	dB	±3	0				
		125Hz	dB	±3	0				
		10KHz	dB	±3	0				
		20KHz	dB	±3	0				

DVD

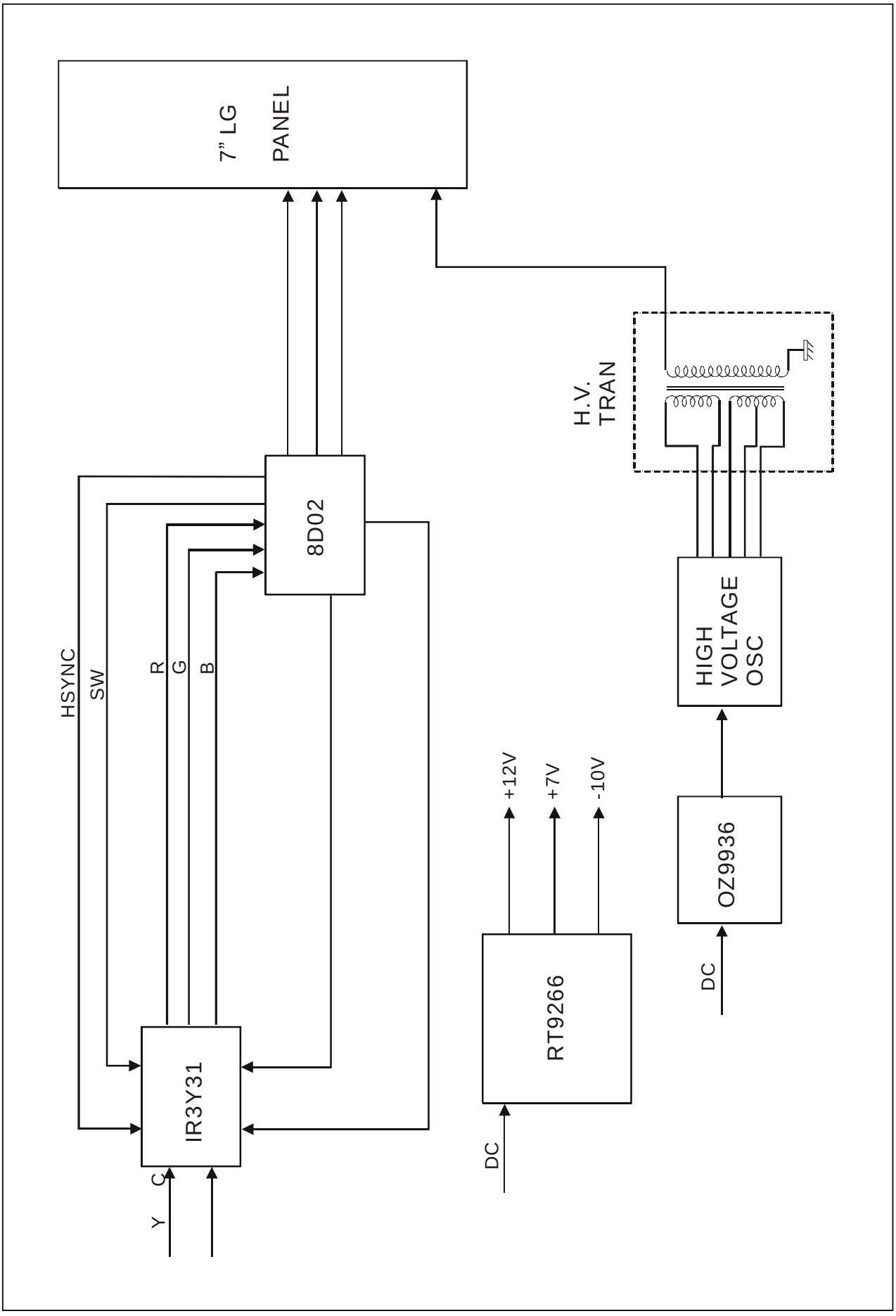
Model No.: LMD-4708GQU Out put: 50mW/16ohm Supply Voltage:_____

Description		Condition	Unit	Limit	Nominal				
Video Signal Level		75% color bar/75ohm	Vp-p	0.7±0.1	0.7				
SYNC Level			Vp-p	0.3±0.1	0.3				
Video out level			Vp-p	1.0±0.2	1				
Video out level(Unload)		75% color bar	Vp-p	2.0±0.2	2				
Audio out level	CD	1KHz/0dB/10K	V	2.0±0.2	2				
	DVD	1KHz/0dB/10K	V	2.0±0.2	2				
FREQ RESP (DVD) (20Hz~20KHz)		20Hz	dB	≤±3	0				
		125Hz	dB	≤±3	0				
		10KHz	dB	≤±3	0				
		20KHz	dB	≤±3	0				
Signal-to-noise radio		Infinity zere/-∝dB/L&R	dB	≥60	≥60				
Audio distortion&noise (DVD)		1KHz/0dB/L&R	dB	≤-65	-65				
Dynamic range (DVD)		1KHz/-60dB	dB	≥85	≥85				
R/L Cross sound (DVD)		1KHz/0dB/L&R	dB	≥45	≥45				
1KHz Channel unbalance (DVD)		1KHz/0dB/L&R	dB	≤3	0				
Power Consumption		Standby	W	0	0				
DC 9V		Rating	W	≤12	≤12				
ECC Entircity		A BEX TDV-552	um	≥100	100				
Scratch		A BEX TDV-541	mm	≥1.6	1.6				
Black dot		A BEX TDV-545	mm	≥ φ0.8	0.8				
Finger Print		A BEX TDV-545	um	≥ φ65	65				
Vertical deviation		A BEX TDV-533	mm	≥0.6	0.6				

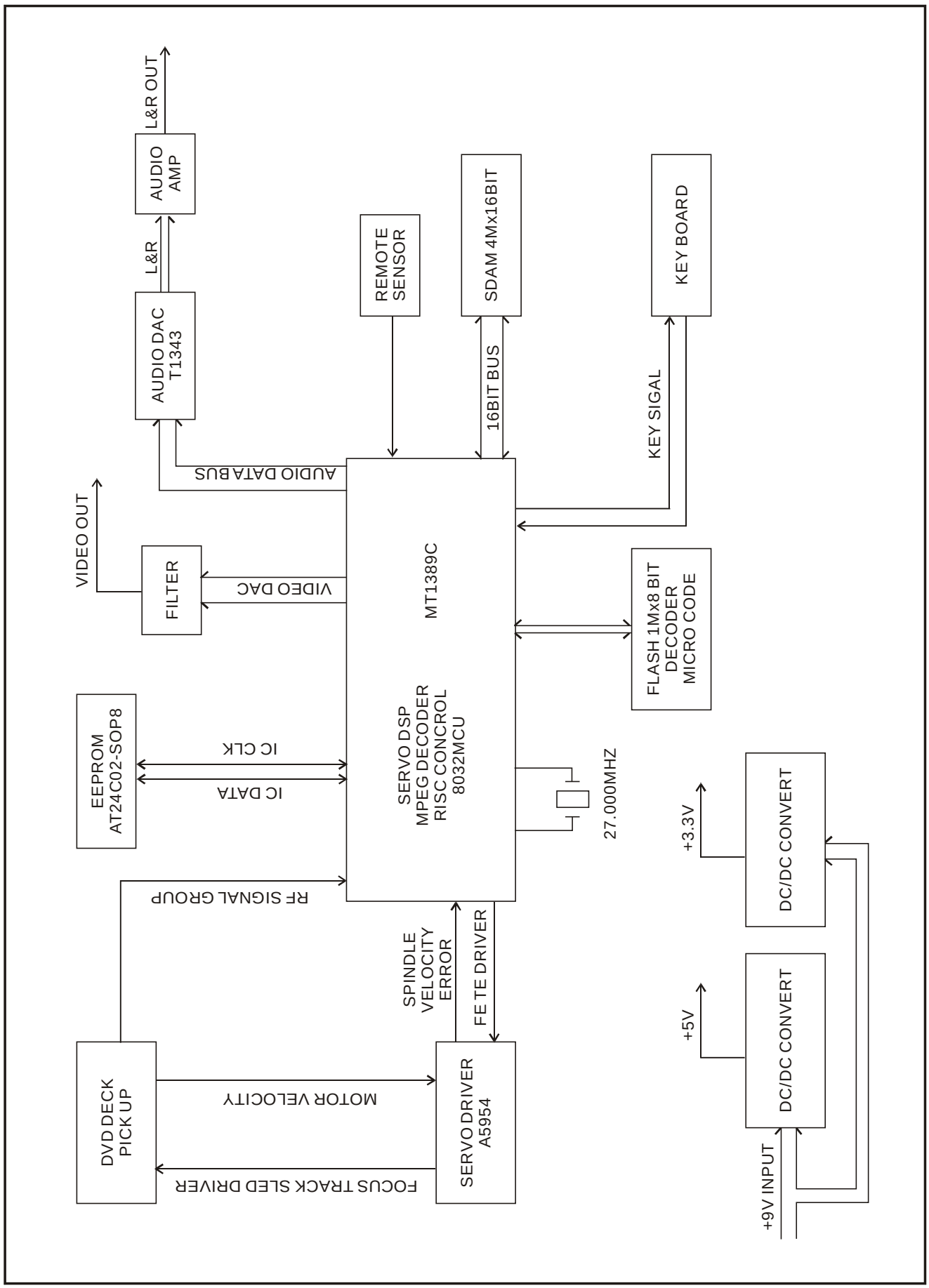
Note: Nominal specs represent the design specs. All units should be able to approximate these. Some will exceed and some may drop slightly below these specs. Limit specs represent the absolute worst condition that might still be considered acceptable. In no case should a unit fail to meet limit specs.

BLOCK DIAGRAM

LCD



DVD


L&R OUT
AUDIO AMP
L&R
AUDIO DAC T1343
REMOTE SENSOR
SDAM 4Mx16BIT
KEY BOARD
16BIT BUS
KEY SIGAL
AUDIO DATA BUS
VIDEO OUT
FILTER
VIDEO DAC
MT1389C
SERVO DSP
MPEG DECODER
RISC CONCROL
8032MCU
FLASH 1Mx8 BIT
DECODER
MICRO CODE
EEPROM
AT24C02-SOP8
IC CLK
IC DATA
27.000MHZ
+3.3V
DC/DC CONVERT
RF SIGNAL GROUP
SPINDLE
VELOCITY
ERROR
FE TE DRIVER
+5V
DC/DC CONVERT
DVD DECK
PICK UP
MOTOR VELOCITY
SERVO DRIVER
A5954
FOCUS TRACK SLED DRIVER
+9V INPUT

GENERAL ALIGNMENT INSTRUCTION

The Main PCB of Monitor Modification:

1. Input voltage is 6.8V-16V, input signal is test circuit BY 5418.
2. Adjust VRT5 to get test point: 15720Hz..
3. Adjust VRT4 to get horizontal phase shift.
4. Adjust VRT1 to get good performance.
5. Adjust S201. S202 to get good Tint.

The main PCB of DVD Modification:

1. Adjust the brightness to the brightest by VR, adjust video pattern's color to white, test the screen

   Brightness is 200±102 LUX.

   With luminometer You can adjust R69 to get this standard.

TROUBLESHOOTING

LCD

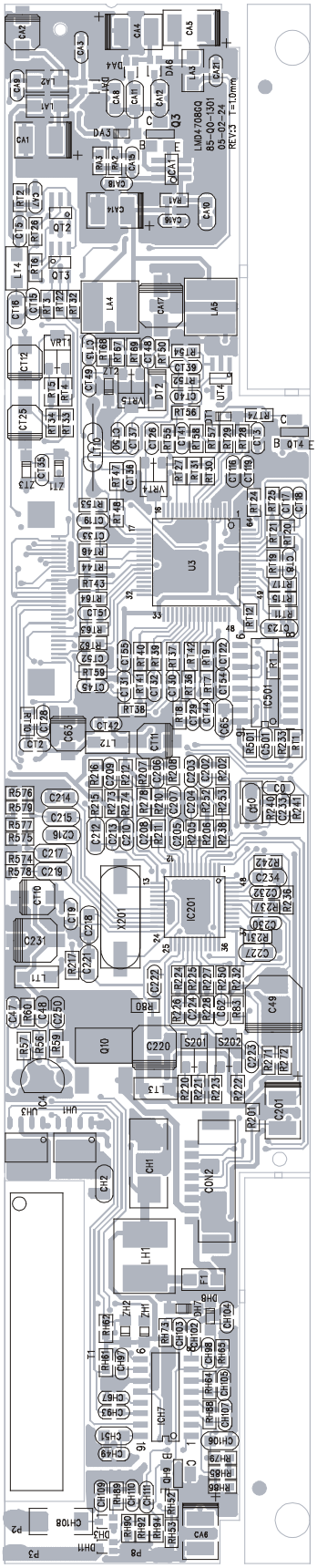
SYMPTOM	CAUSE	REMEDY
LCD MONITOR PART		
1) Picture distortion	& Defective capacitor (C201)	& Replace capacitor C201.
2) No Picture	& Defective IC (IR3Y31).	& Replace IC IR3Y31.
3) No Picture, Picture no Good	& Defective Q7, Q8.	& Replace Q7, Q8.
4) Color is no good	& Defective X201.	& Replace X201.
5) SYNC no good	& Defective IC 8D02.	& Replace IC 8D02.
6) TINT no good	& Defective S201, S202	& Replace S201,S202.
7) NO Picture	& Defective IC RT9266.	& Replace RT9266.
8) Picture no good	& Defective CON1.	& Replace CON1.
9) Brightness no good	& Defective IC M5237 Q10.	& Replace IC M5237 Q10.

DVD

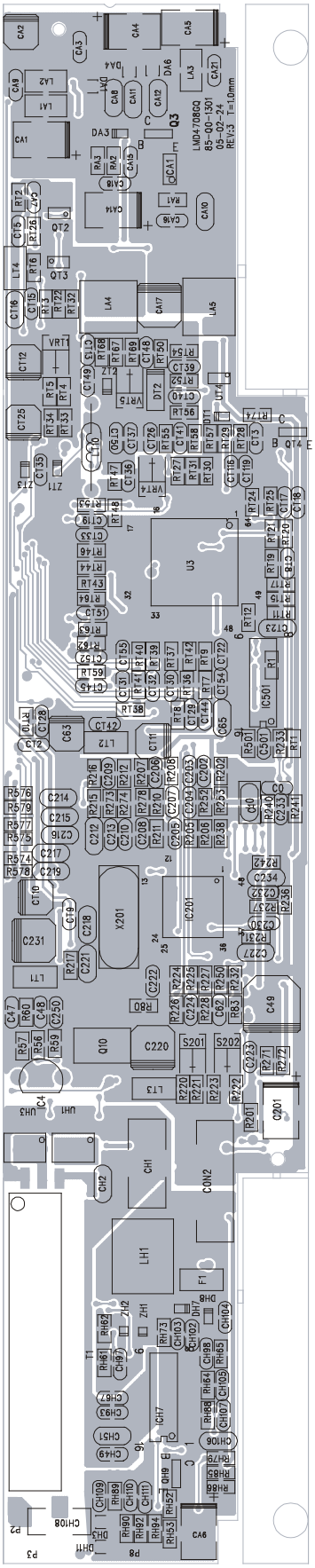
SYMPTOM	CAUSE	REMEDY
DVD PART		
1) No Power	& Power source is not correct. The positive and negative does not match the unit. & Power button defective. & Defective triode U7.	& Replace power source. & Change the position of positive and negative. & Replace power button. & Replace U7.
2) No Picture	& Defective U10 (24C02N). & Defective U5. & Defective IC MTK1389C.	& Replace U10 (24C02N). & Replace U5. & Replace IC MTK1389C.
3) No Sound	& Defective U14 (C4558). & Defective U1 (14053). & Defective U2.	& Replace U14 (C4558). & Replace U1 (14053). & Replace U2.
4) Sound no good	& Defective U14.	& Replace U14.
5) Can not read DISC	& Defective U18. & PICK-up Laser is defective.	& Replace U18. & Replace pick up.
6) No key function	& Defective IC MTK1389C.	& Replace IC MTK1389C.
7) No remote control function	& Defective REMOTE. & Key is Defective.	& Replace REMOTE. & Replace keys.

PRINTED CIRCUIT BOARD

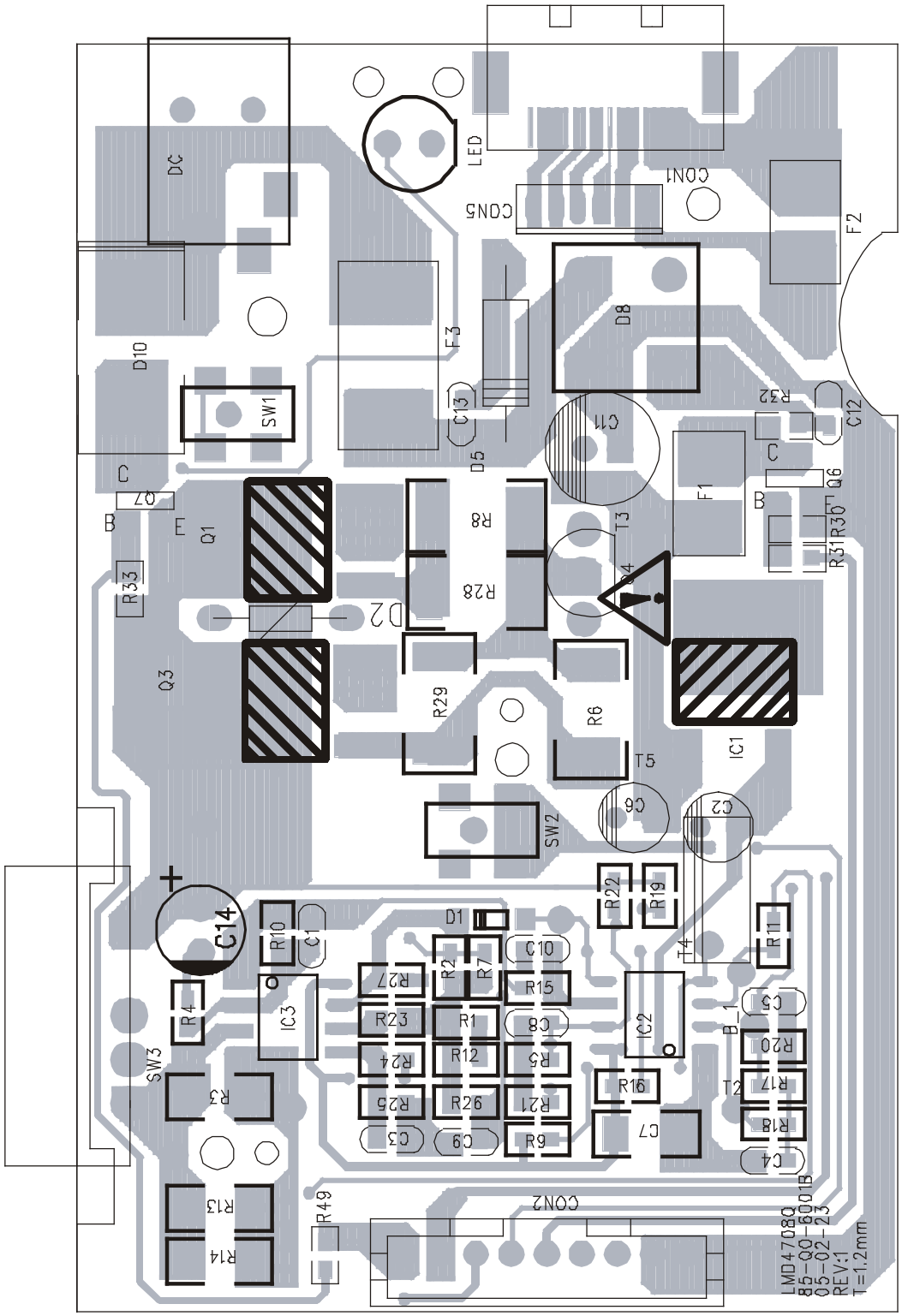
Monitor Main PCB
Top View



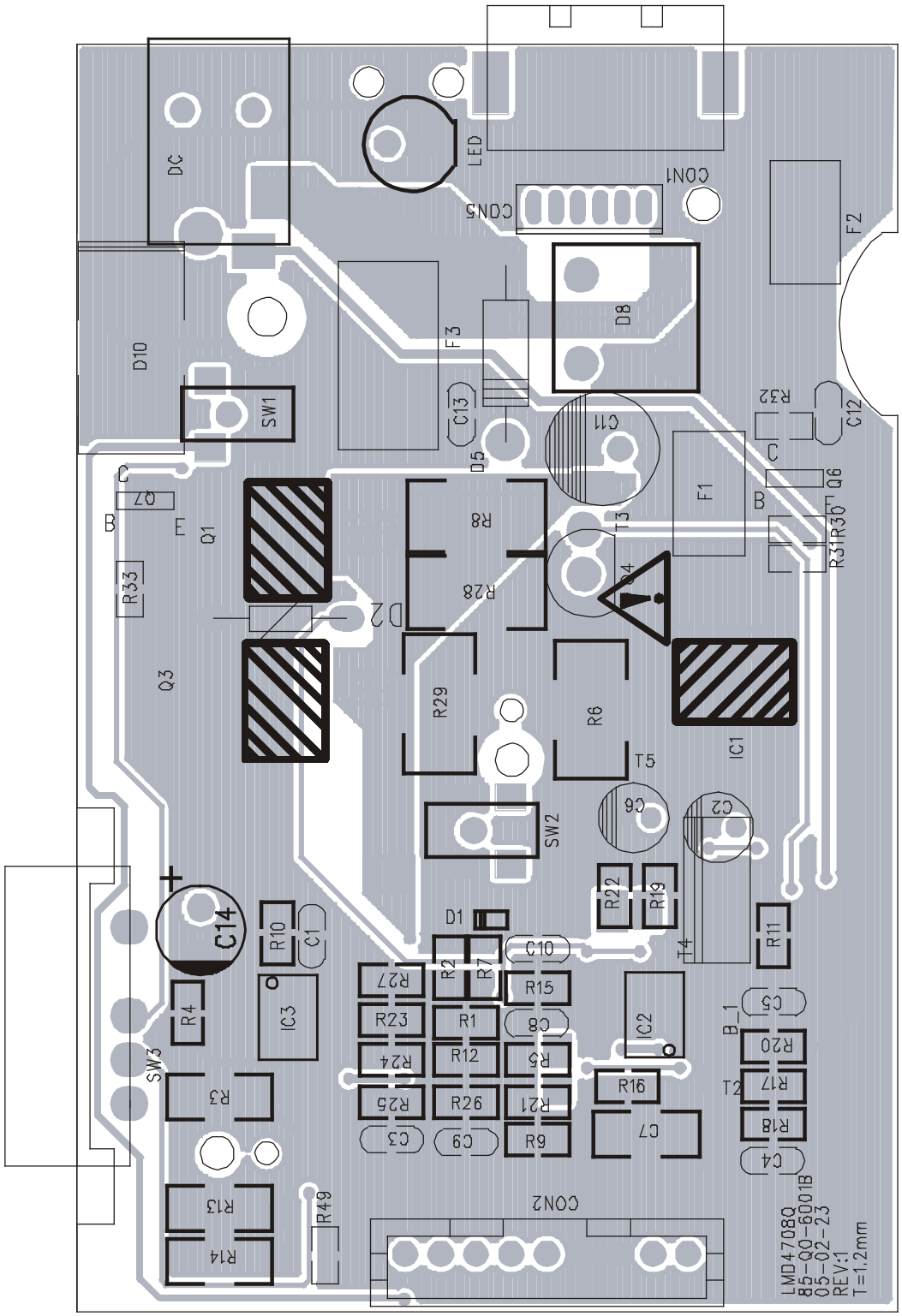
Monitor Main PCB
Bottom View



Battery Charger Circuit PCB
Top View

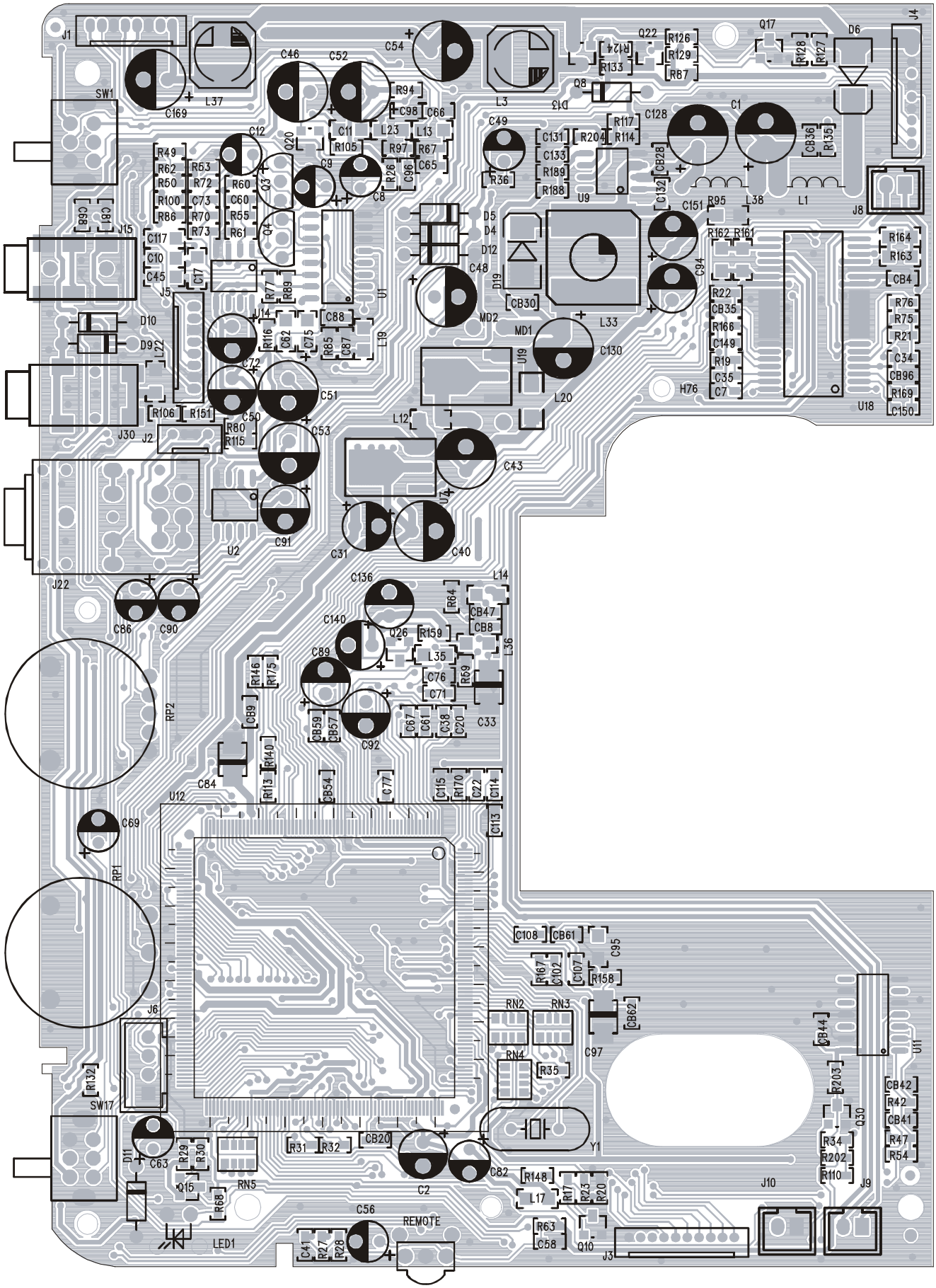


Battery Charger Circuit PCB
Bottom View

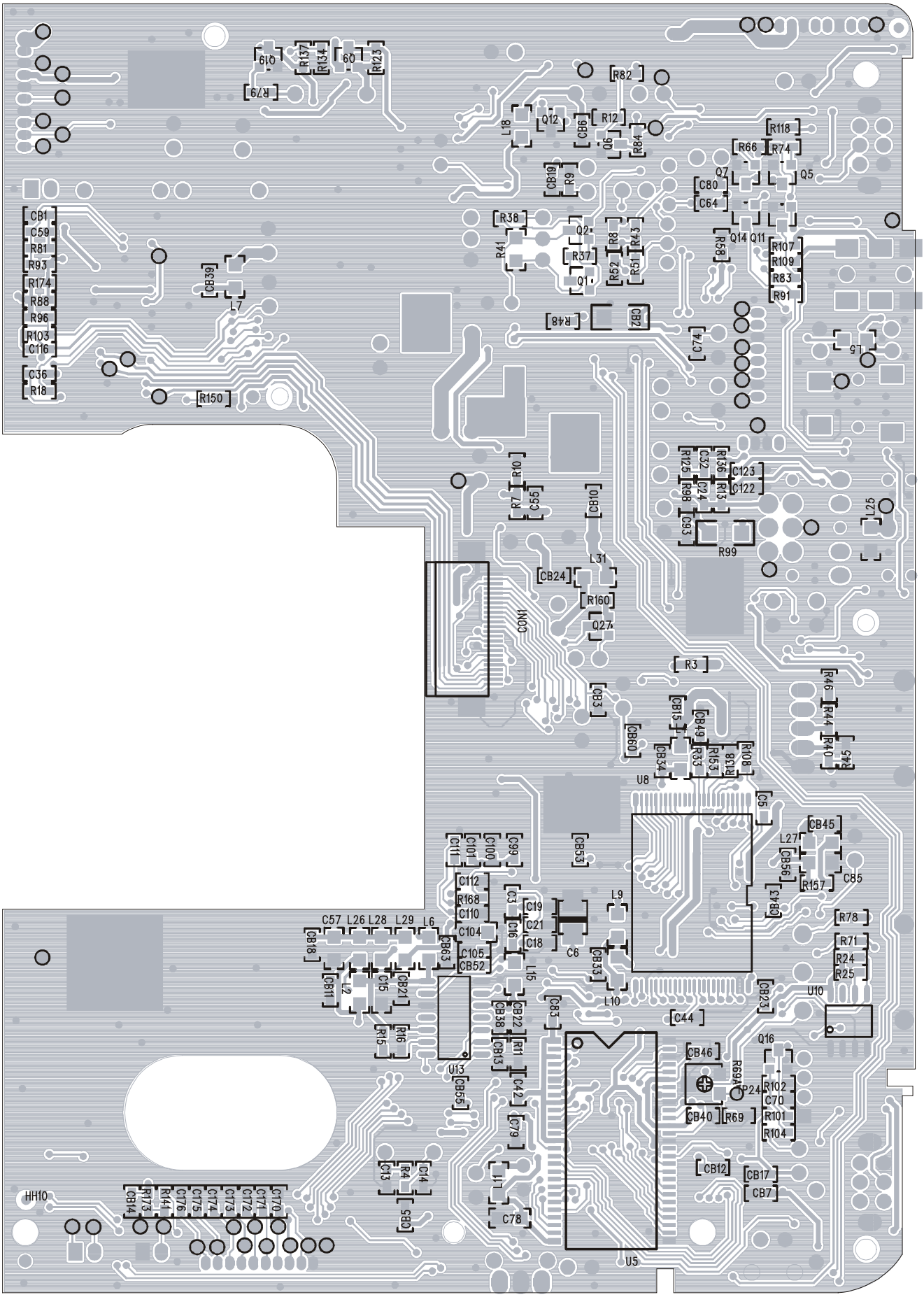


DVD Main PCB

Top View

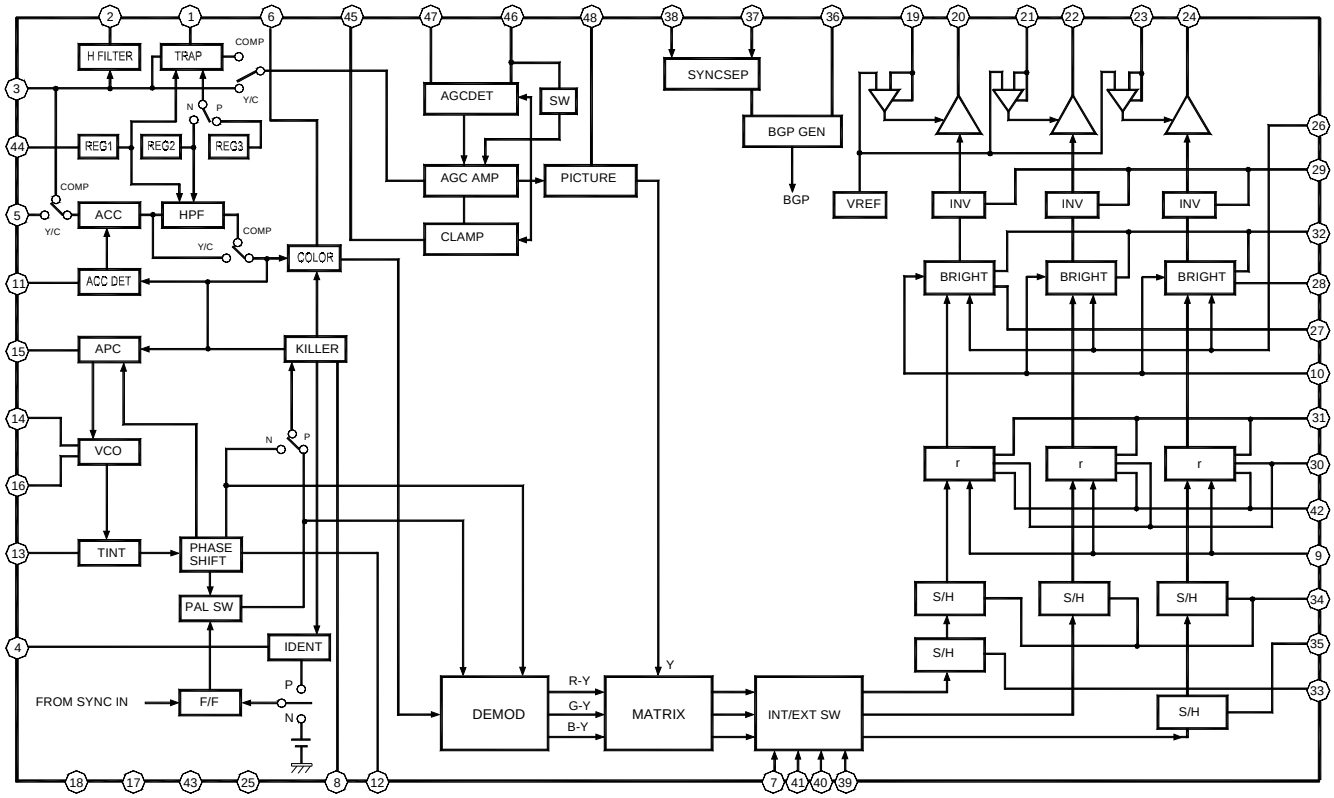


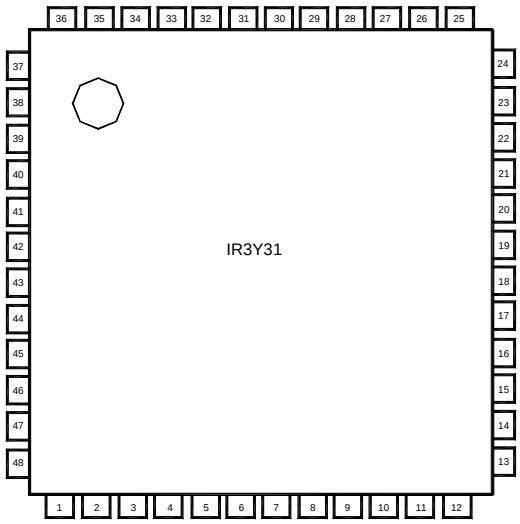
DVD Main PCB
Bottom View



IC BLOCK DIAGRAM & DESCRIPTION

IC IR3Y31

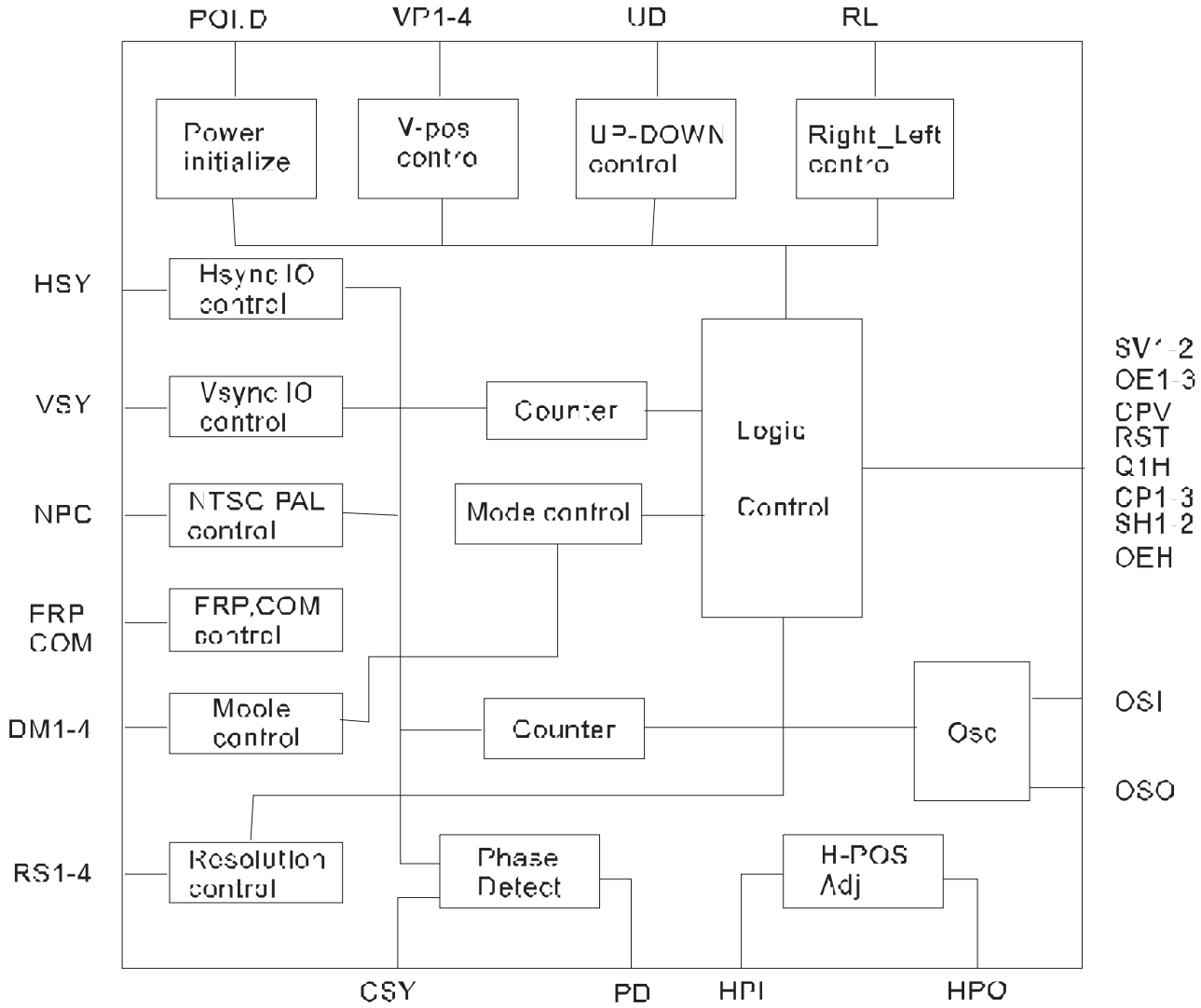




1.	TRAP	13.	TINT	25.	V_{CC2}	37.	SYNC OUT
2.	H FILTER OUT	14.	VCO IN	26.	BLK	38.	SYNC SEP
3.	VIDEO IN	15.	APC FILTER	27.	SUB BRIGHT R	39.	EXT B IN
4.	IDENT FILTER	16.	VCO OUT	28.	SUB BRIGHT B	40.	EXT G IN
5.	C IN	17.	GND	29.	FRP	41.	EXT R IN
6.	COLOR	18.	V_{EE}	30.	GAMMA1	42.	CONTRAST
7.	SW	19.	R DC DET	31.	GAMMA2	43.	V_{CC1}
8.	KILLER FILTER	20.	R OUT	32.	BRIGHT	44.	F ADJ
9.	PEAK LIMITTER	21.	G DC DET	33.	S/H PULSE R	45.	CLAMP
10.	RGB AMPLITUDE	22.	G OUT	34.	S/H PULSE G	46.	AGC FILTER
11.	ACC FILTER	23.	B DC DET	35.	S/H PULSE B	47.	AGC OUT
12.	R-Y/B-Y PHASE	24.	B OUT	36.	SYNC IN	48.	PICTURE

IC BLOCK DIAGRAM & DESCRIPTION

IC 8D02C



64 PIN FUNCTION DESCRIPTION - 1				
Pin	**Name**	**I/O**	**Description**	**Remark**
1	VCC		Power supply	Note 1
2	CSY	I	Composite sync. Input pin	
3	RS4	I	Resolution mode setting pin 4	Note 2
4	RS3	I	Resolution mode setting pin 3	Note 2
5	RS2	I	Resolution mode setting pin 2	Note 2
6	RS1	I	Resolution mode setting pin 1	Note 2
7	DM4	I	Display mode setting pin 4	default=1
8	DM3	I	Display mode setting pin 3	default=1
9	DM2	I	Display mode setting pin 2	default=1
10	DM1	I	Display mode setting pin 1	default=1
11	SDC	I	Color arrangement mode selection pin, Stripe=1, Delta=0	default=1
12	DLT	I	Delta mode selection pin	default=1

IC BLOCK DIAGRAM & DESCRIPTION

IC 8D02C

Pin	Name	I/O	Description	Remark
13	HPO	O	H-POS position adjustment output signal	
14	HPI	I	H-POS position adjustment input signal	
15	PDA	O	Phase detect A output pin	
16	CKC	I	Control HSY & VSY pin for select I/O direction	default=1
17	OSO	O	Oscillator output pin	
18	OSI	I	Oscillator input pin	
19	FD2	I	Master clock frequency divide by 2 function (FD2=0,/2)	default=1
20	NC1			
21	ZMI	I	Connect capacitor to ground	
22	ZMO	O	Connect Resistor to pin 21.	
23	CBG	I	Simultaneous CP2, CP3 sampling clock select pin	default=1
24	SAM	I	Simultaneous (1) or sequential (0) sampling select pin	default=0
25	RLC	I	Source driver shift right /left select pin	default=1
26	OEH	O	Source driver control signal	
27	SH2	O	Horizontal start pulse 2 for source driver (RLC=0,OUT)	
28	SH1	O	Horizontal start pulse 1 for source driver (RLC=0,OUT)	
29	CP3	O	Sampling clock 3 to source driver	
30	CP2	O	Sampling clock 2 to source driver	
31	CP1	O	Sampling clock 1 to source driver	
32	GND		Ground	
33.	VCC		Power supply	Note 1
34	Q1H	O	Source driver control signal	
35	RST	O	Vertical reset signal for source driver	
36	CPV	O	Scan clock to gate driver	
37	OE1	O	Gate driver Scan output enable control	
38	OE2	O	Gate driver scan output enable control	
39	OE3	O	Gate driver scan output enable control	
40	NC2			default=1
41	SV1	O	Vertical start pulse 1 for gate driver (UDC=1, OUT)	
42	SV2	O	Vertical start pulse 1 for gate driver (UDC=1, OUT)	
43	UDC	I	Up/down scan direction select pin	default=1
44	VP1	I	Vertical position adjustment for display area	default=0
45	VP2	I	Vertical position adjustment for display area	default=0
46	VP3	I	Vertical position adjustment for display area	default=0

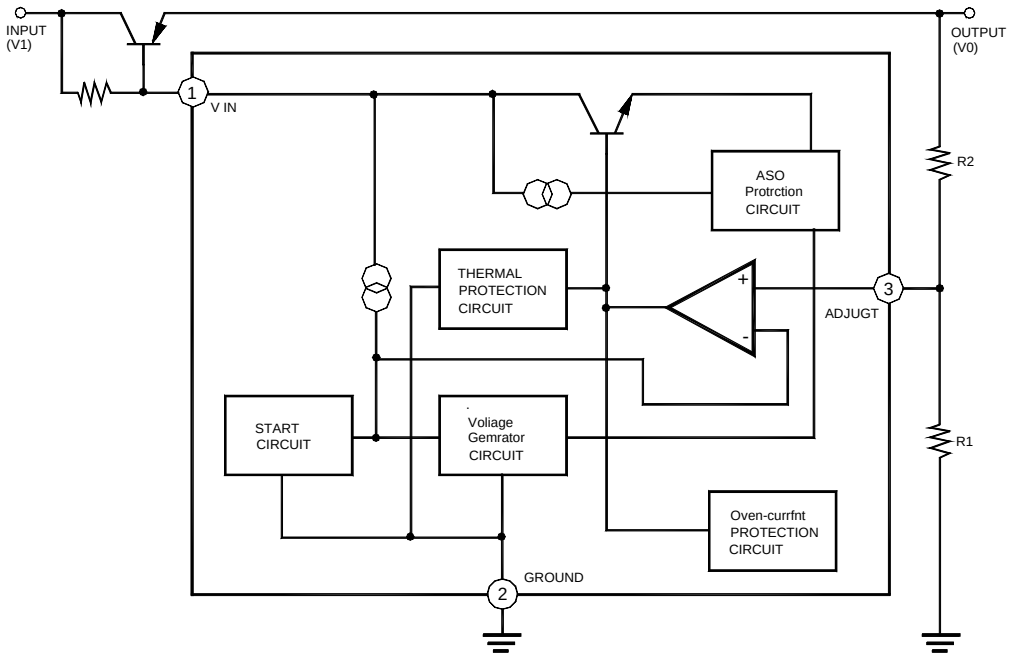
IC BLOCK DIAGRAM & DESCRIPTION

IC 8D02C

47	VP4	I	Vertical position adjustment for display area	default=1
48	POI	I	Power ON initialize; and UOB signal input	Note 3
49	POD	I	Power ON delay; VCO adjust can connect to GND.	Note 4
50	NC3			Note 5
51	NPC	O	NTSC/PAL detect output & Control pin, NTSC=1, PAL=0	Note 6
52	NC4			Note 5
53	G24	I	Gate 240=1 or 244=0 select pin	default=1
54	3OE	I	3 OEV=1 or 1 OEV=0 select pin	default=0
55	NC5			default=1
56	VSY	I/O	Vertical sync. input/Negative output pin	Pull high
57	HSY	I/O	Horizontal sync, input/Negative output pin	Pull high
58	BLK	O	Output for control RGB signal	
59	ESY	O	Output external sync. For control chroma decoder	
60	COM	O	Output VCOM polarity signal	
61	FRP	O	Video polarity alternating signal	
62	NC6			default=1
63	VIY	I	Vertical sync, input, if no use please connect to GND.	Note 2
64	GND		Ground	

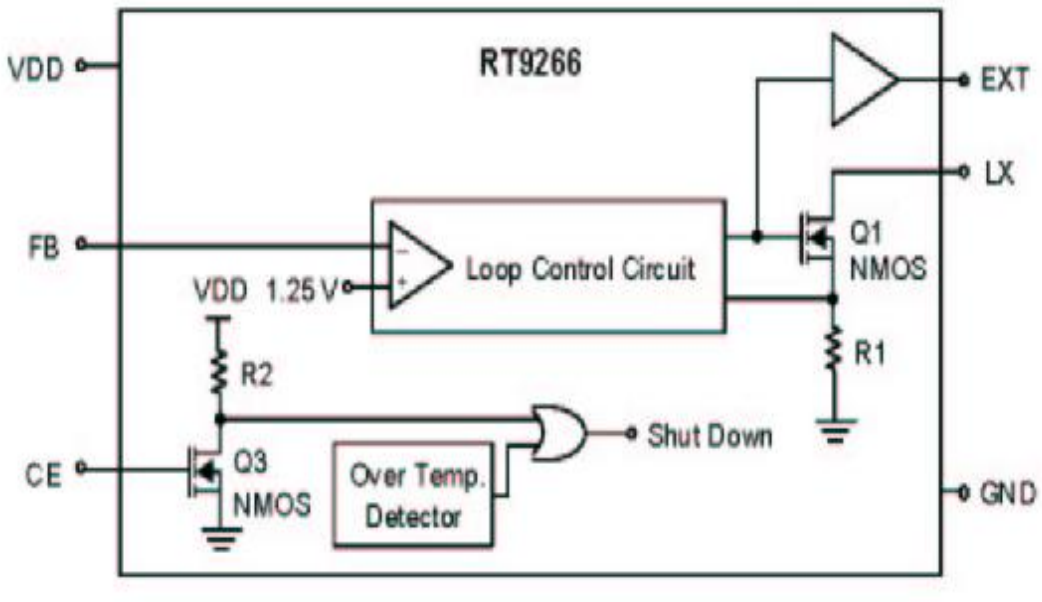
IC BLOCK DIAGRAM & DESCRIPTION

IC M5237



PIN	PIN NAME
1.	V IN
2.	GROUND
3.	ADJUST

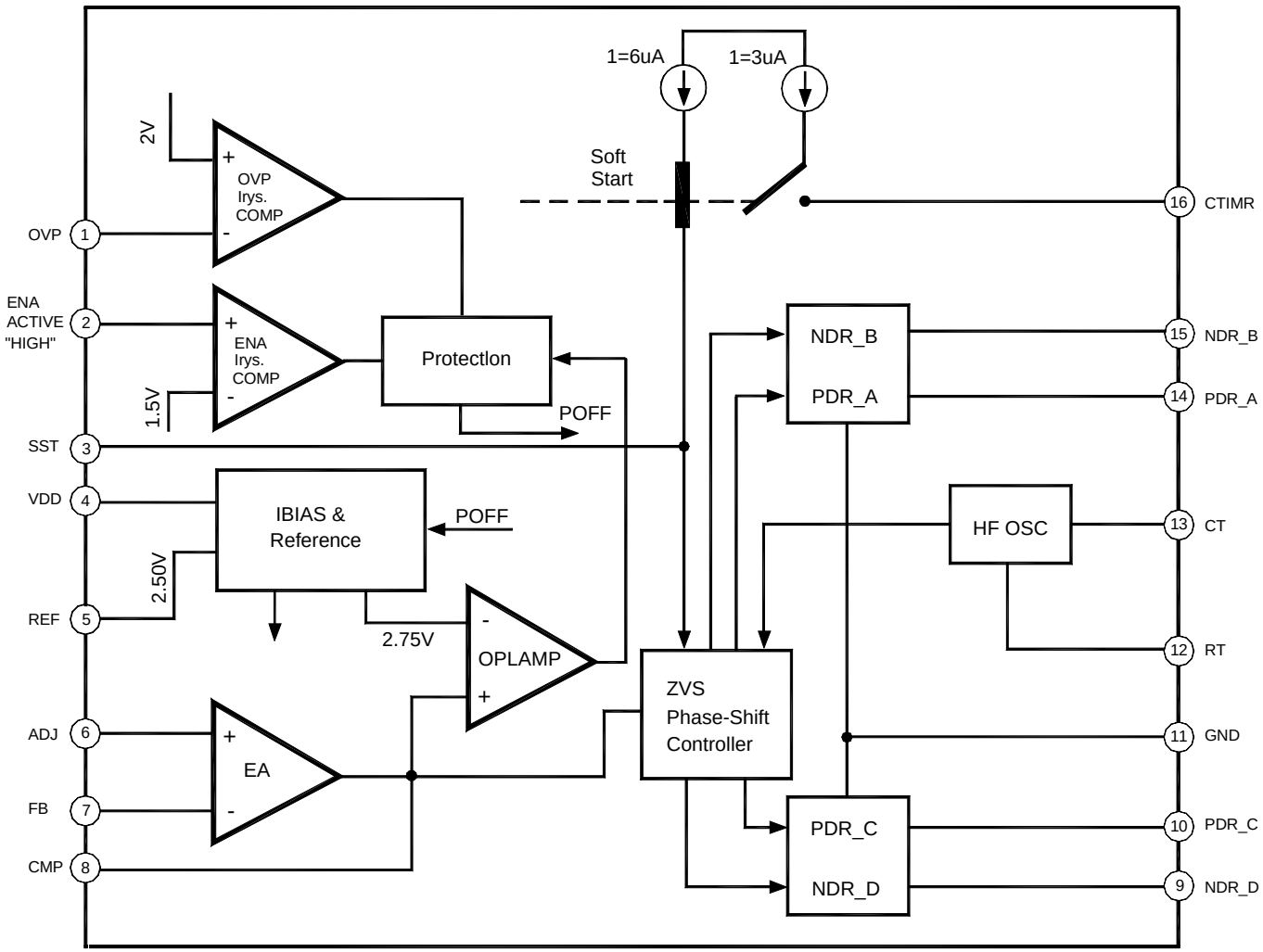
IC RT9266



PIN	PIN NAME	PIN	PIN NAME
1.	CE	4	LX
2.	EXT	5	VDD
3.	GND	6	FB

IC BLOCK DIAGRAM & DESCRIPTION

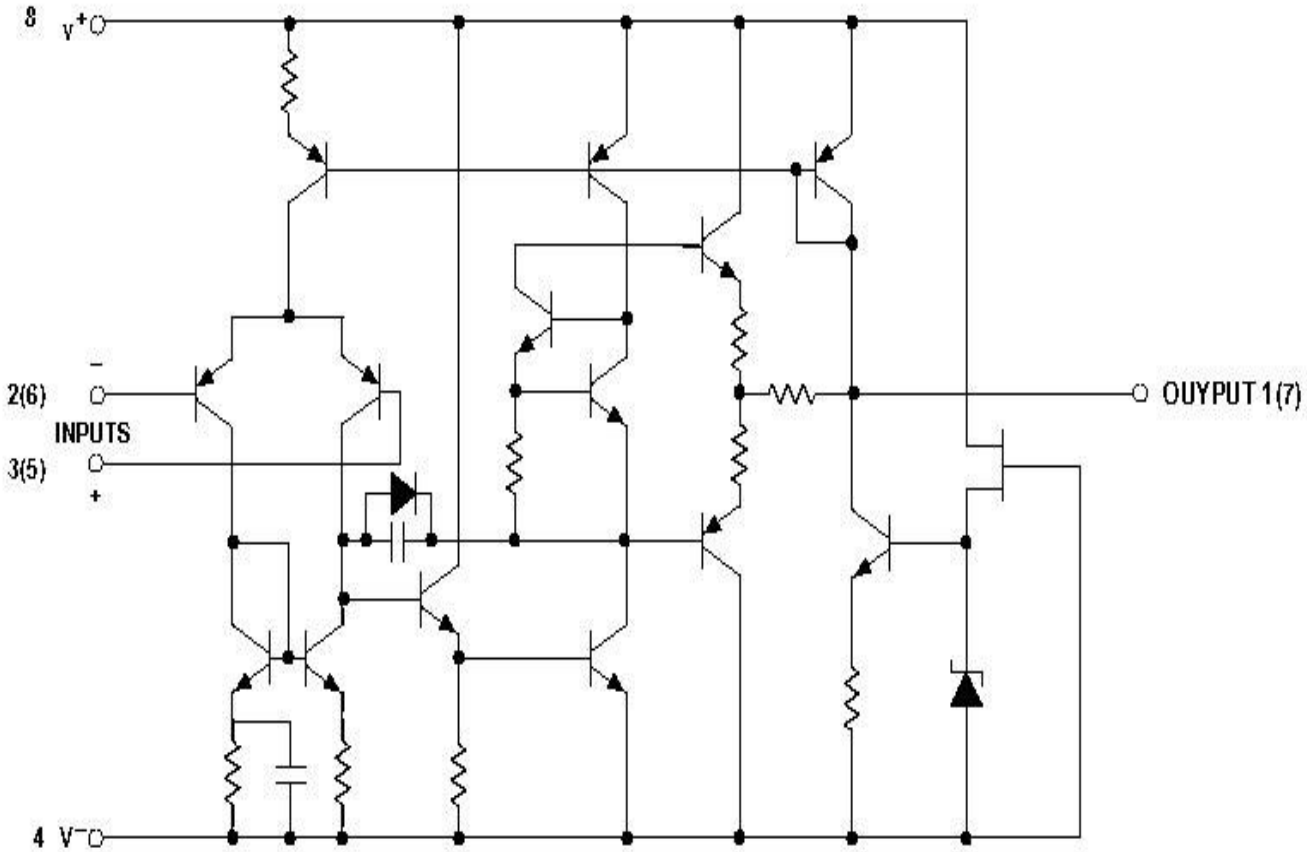
IC OZ970G

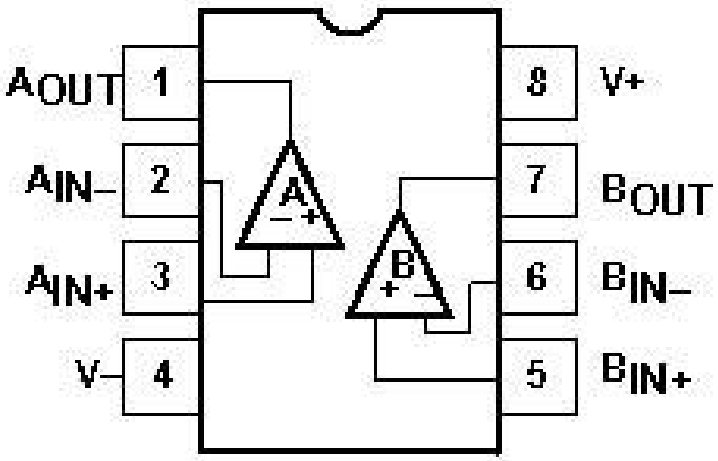


PIN	PIN NAME	PIN	PIN NAME
1.	OVP	9	NDR_D
2.	ENA ACTIVE “HIGH”	10.	PDR_C
3.	SST	11.	GND
4.	VDD	12.	RT
5.	REF	13.	CT
6.	ADJ	14.	PDR_A
7.	FB	15.	NDR_B
8.	CMP	16.	CTIMR

IC BLOCK DIAGRAM & DESCRIPTION

DVD IC 4558

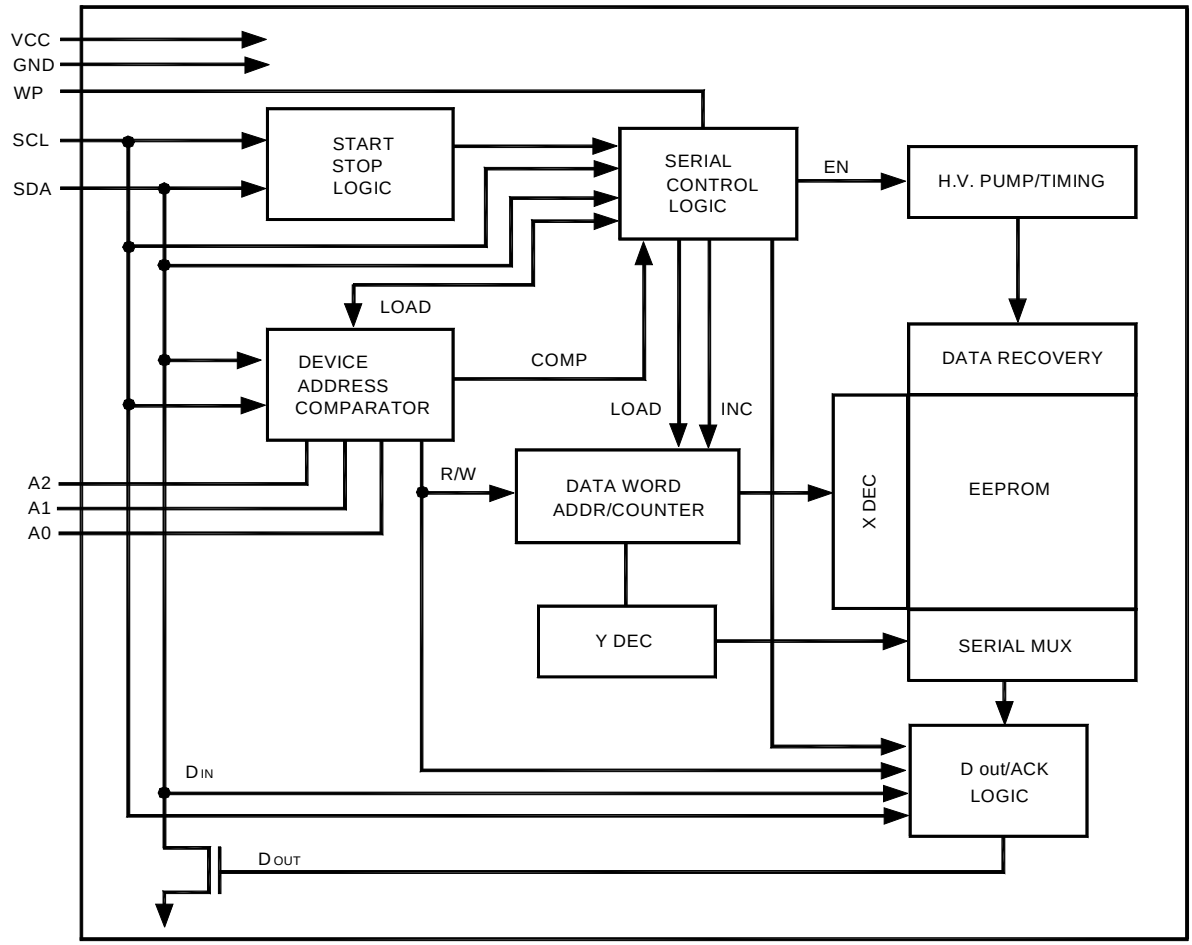


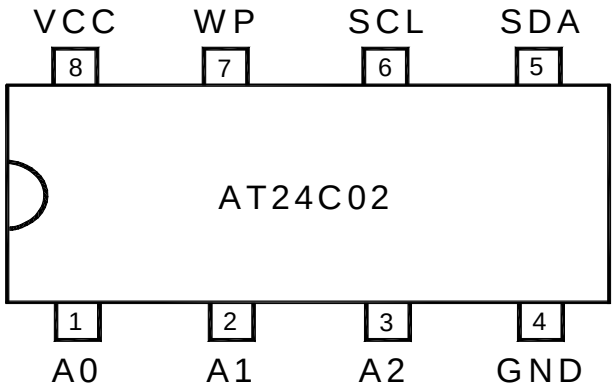


PIN	NAME	PIN	NAME
1.	AOUT	5.	BIN+
2.	AIN-	6.	BIN-
3.	AIN+	7.	BOUT
4.	V-	8.	V+

IC BLOCK DIAGRAM & DESCRIPTION

AT24C02

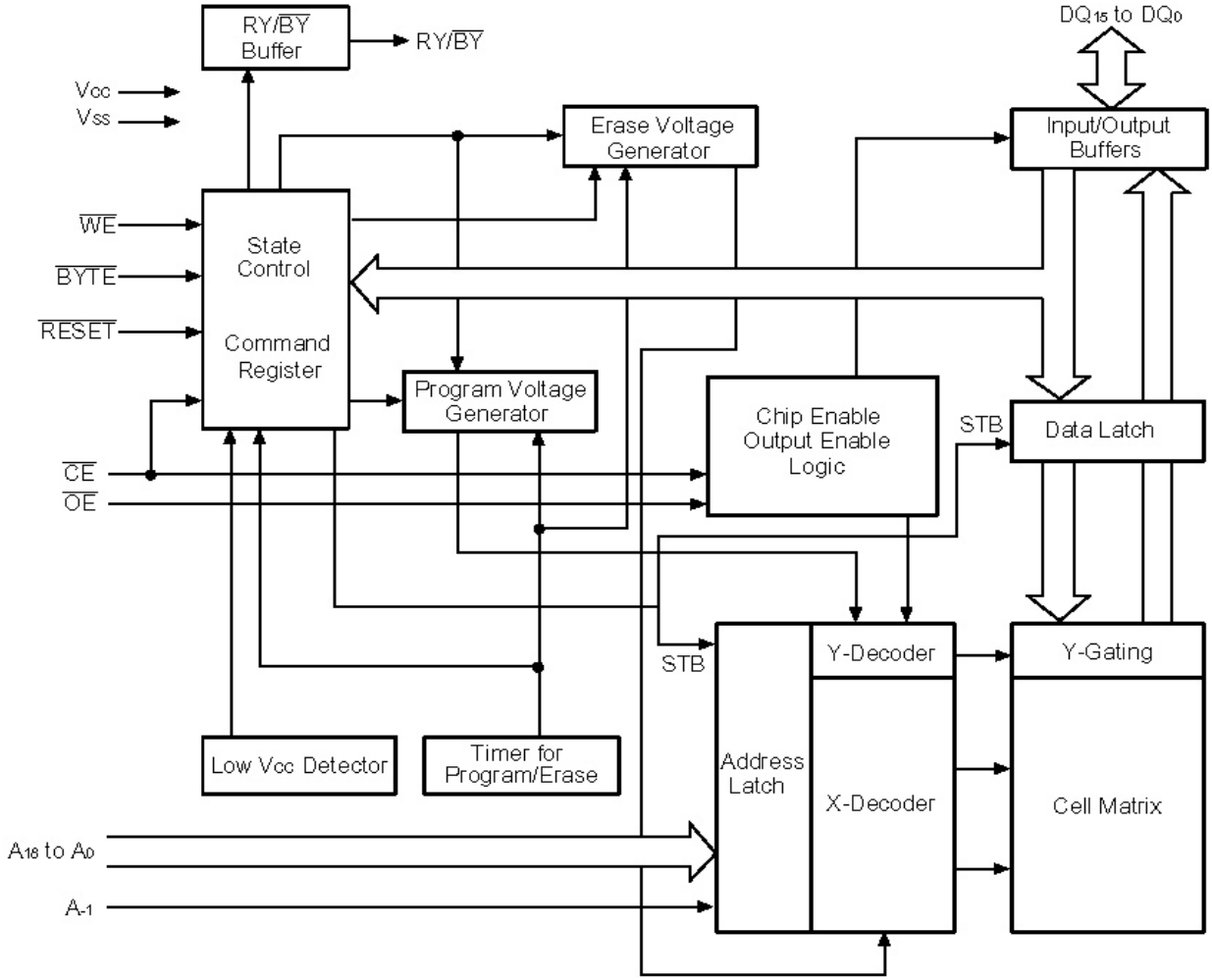




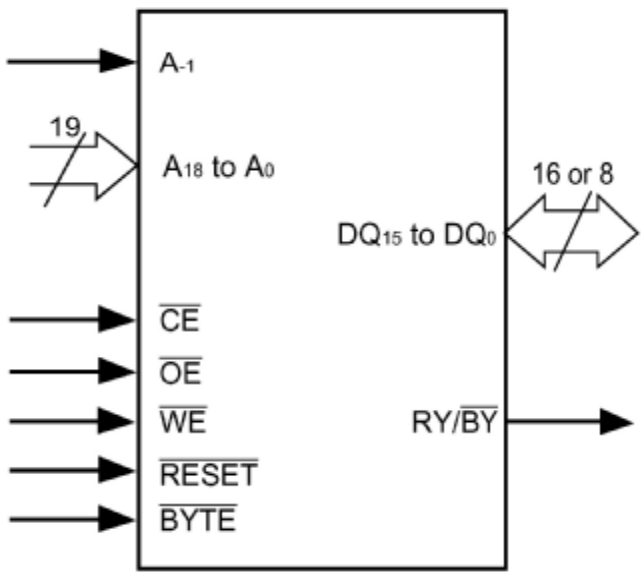
1.	A0	5.	SDA
2.	A1	6.	SCL
3.	A2	7.	WP
4.	GND	8.	VCC

IC BLOCK DIAGRAM & DESCRIPTION

U9 MBM29F800TA

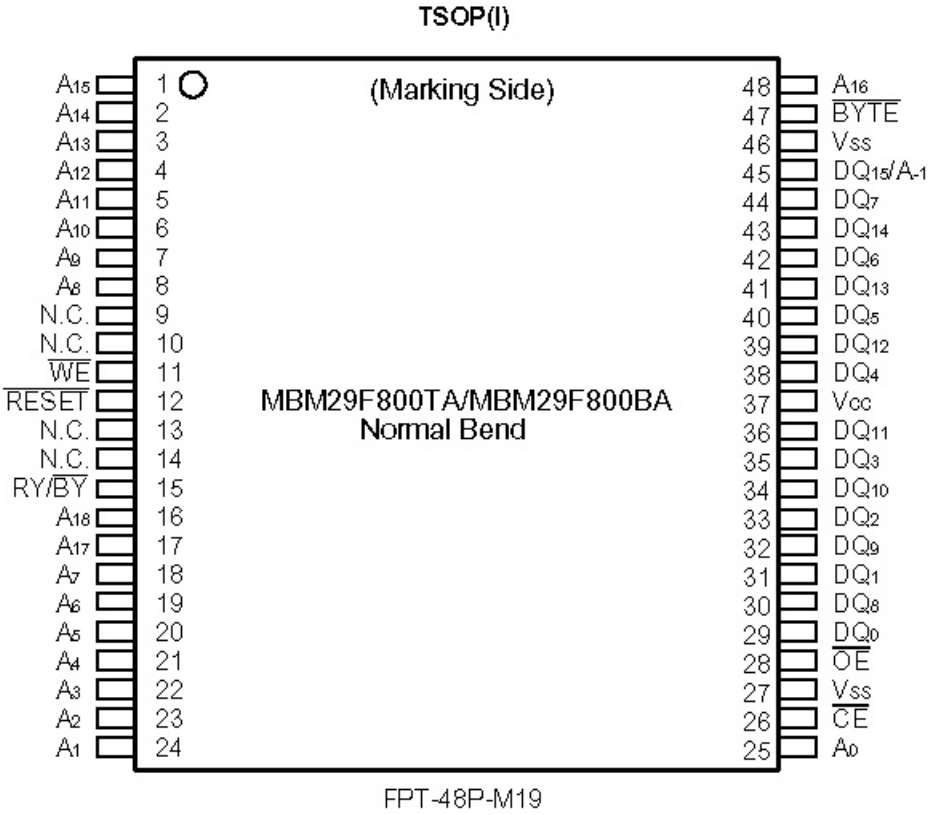


LOGIC SYMBOL



IC BLOCK DIAGRAM & DESCRIPTION

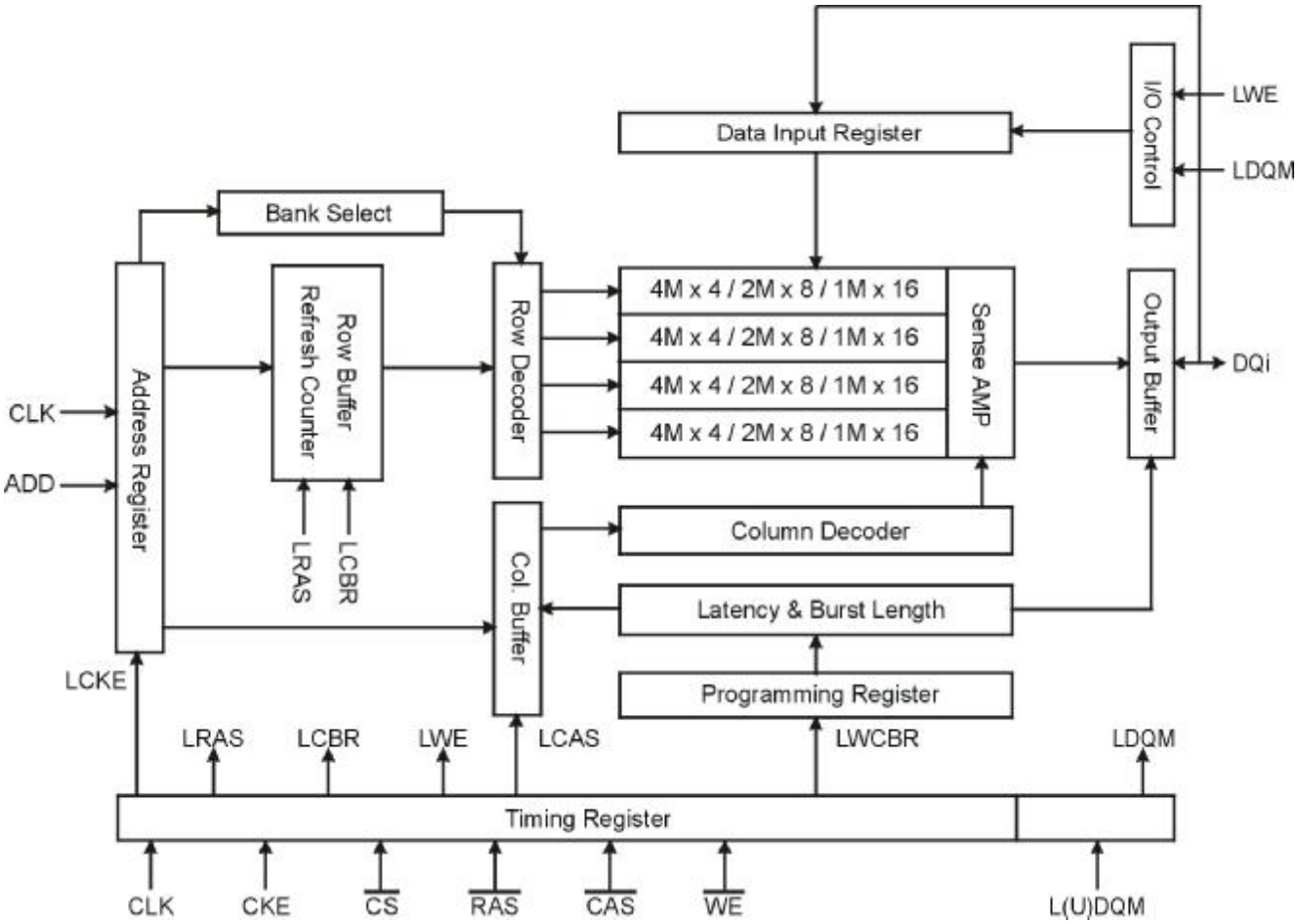
U9 MBM29F800TA

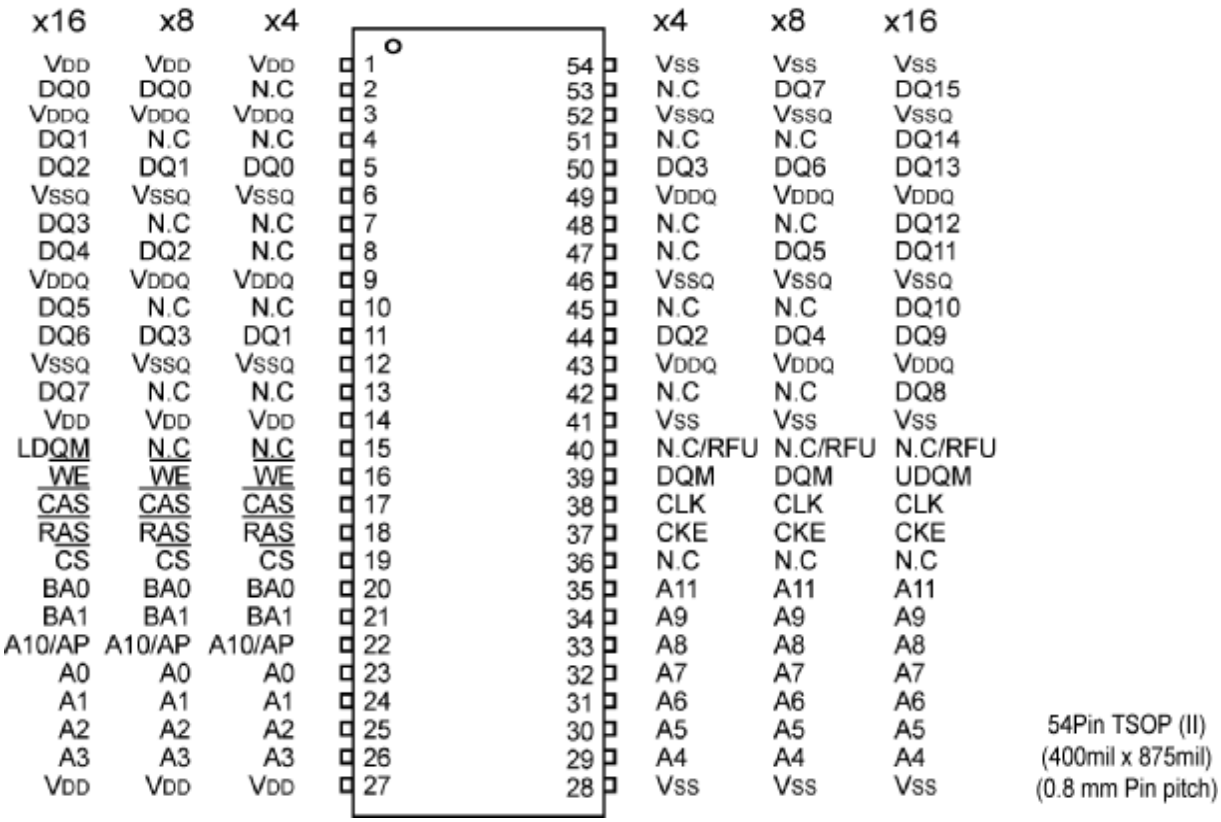


Pin Name	Function
A-1, A18 to A0	Address Inputs
DQ15 to DQ0	Data Inputs/Outputs
$\overline{CE}$	Chip Enable
$\overline{OE}$	Output Enable
$\overline{WE}$	Write Enable
RY/$\overline{BY}$	Ready/Busy Output
$\overline{RESET}$	Hardware Reset Pin/Temporary Sector Unprotection
$\overline{BYTE}$	Selects 8-bit or 16-bit mode
N.C.	No Internal Connection
V_{SS}	Device Ground
V_{CC}	Device Power Supply

IC BLOCK DIAGRAM & DESCRIPTION

IC K4S641632





54Pin TSOP (II)
(400mil x 875mil)
(0.8 mm Pin pitch)

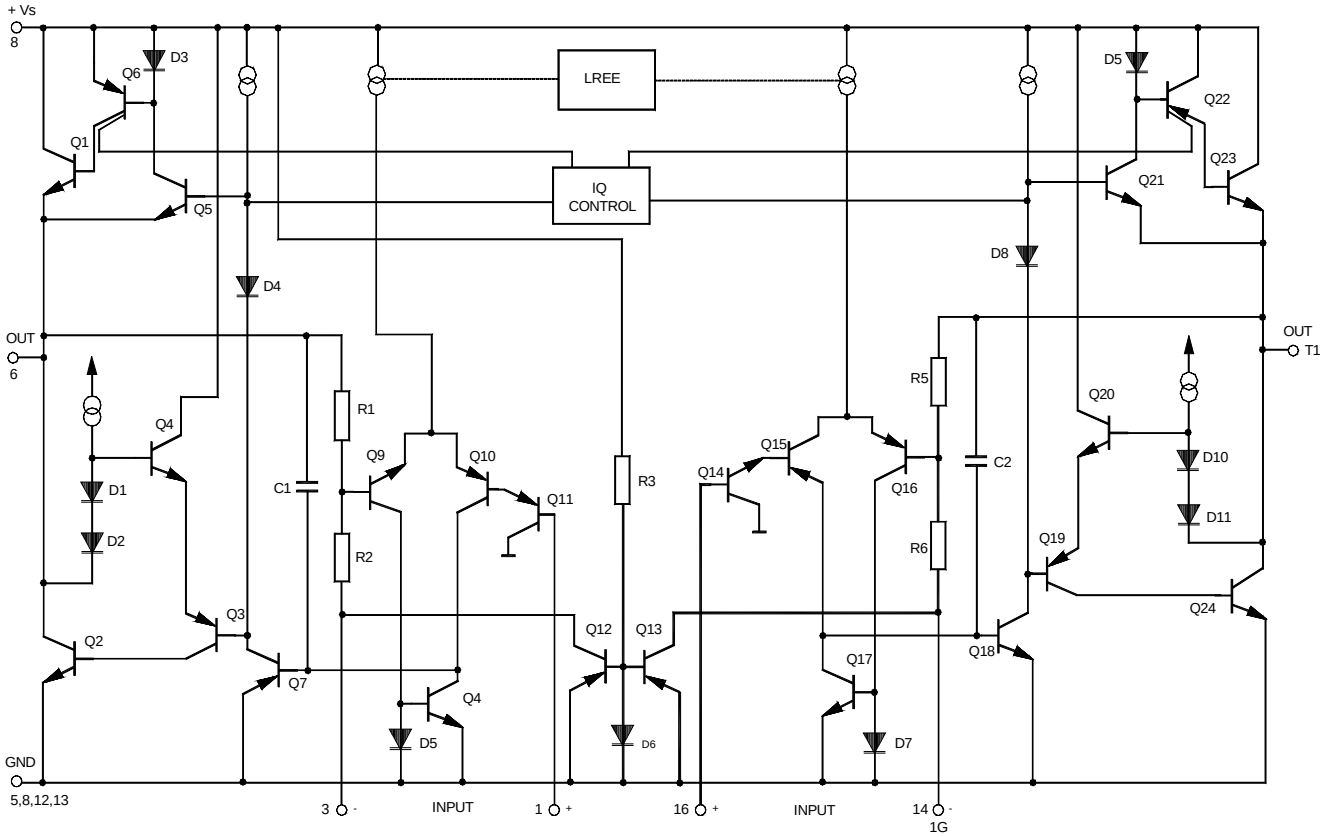
IC BLOCK DIAGRAM & DESCRIPTION

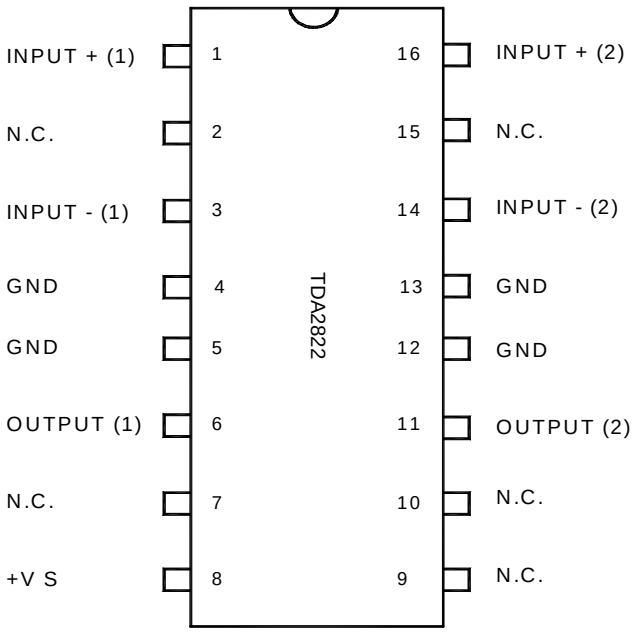
IC K4S641632

Pin	Name	Input Function
CLK	*System clock*	Active on the positive going edge to sample all inputs.
$\overline{CS}$	*Chip select*	Disables or enables device operation by masking or enabling all inputs except CLK, CKE and DQM
CKE	*Clock enable*	Masks system clock to freeze operation from the next clock cycle. CKE should be enabled at least one cycle prior to new command. Disable input buffers for power down in standby.
A_0 ~ A_{11}	*Address*	Row/column addresses are multiplexed on the same pins. Row address : RA_0 ~ RA_{11}, Column address : (x4 : CA_0 ~ CA_9, x8 : CA_0 ~ CA_8 , x16 : CA_0 ~ CA_7)
BA_0 ~ BA_1	*Bank select address*	Selects bank to be activated during row address latch time. Selects bank for read/write during column address latch time.
$\overline{RAS}$	*Row address strobe*	Latches row addresses on the positive going edge of the CLK with $\overline{RAS}$ low. Enables row access & precharge.
$\overline{CAS}$	*Column address strobe*	Latches column addresses on the positive going edge of the CLK with $\overline{CAS}$ low. Enables column access.
$\overline{WE}$	*Write enable*	Enables write operation and row precharge. Latches data in starting from $\overline{CAS}$, $\overline{WE}$ active.
DQM	*Data input/output mask*	Makes data output Hi-Z, t_{SHZ} after the clock and masks the output. Blocks data input when DQM active.
DQ_0 ~ X_{15}	*Data input/output*	Data inputs/outputs are multiplexed on the same pins.
V_{DD}/V_{SS}	*Power supply/ground*	Power and ground for the input buffers and the core logic.
V_{DDQ}/V_{SSQ}	*Data output power/ground*	Isolated power supply and ground for the output buffers to provide improved noise immunity.
N.C/RFU	*No connection /reserved for future use*	This pin is recommended to be left No Connection on the device.

IC BLOCK DIAGRAM & DESCRIPTION

U2 TDA2822

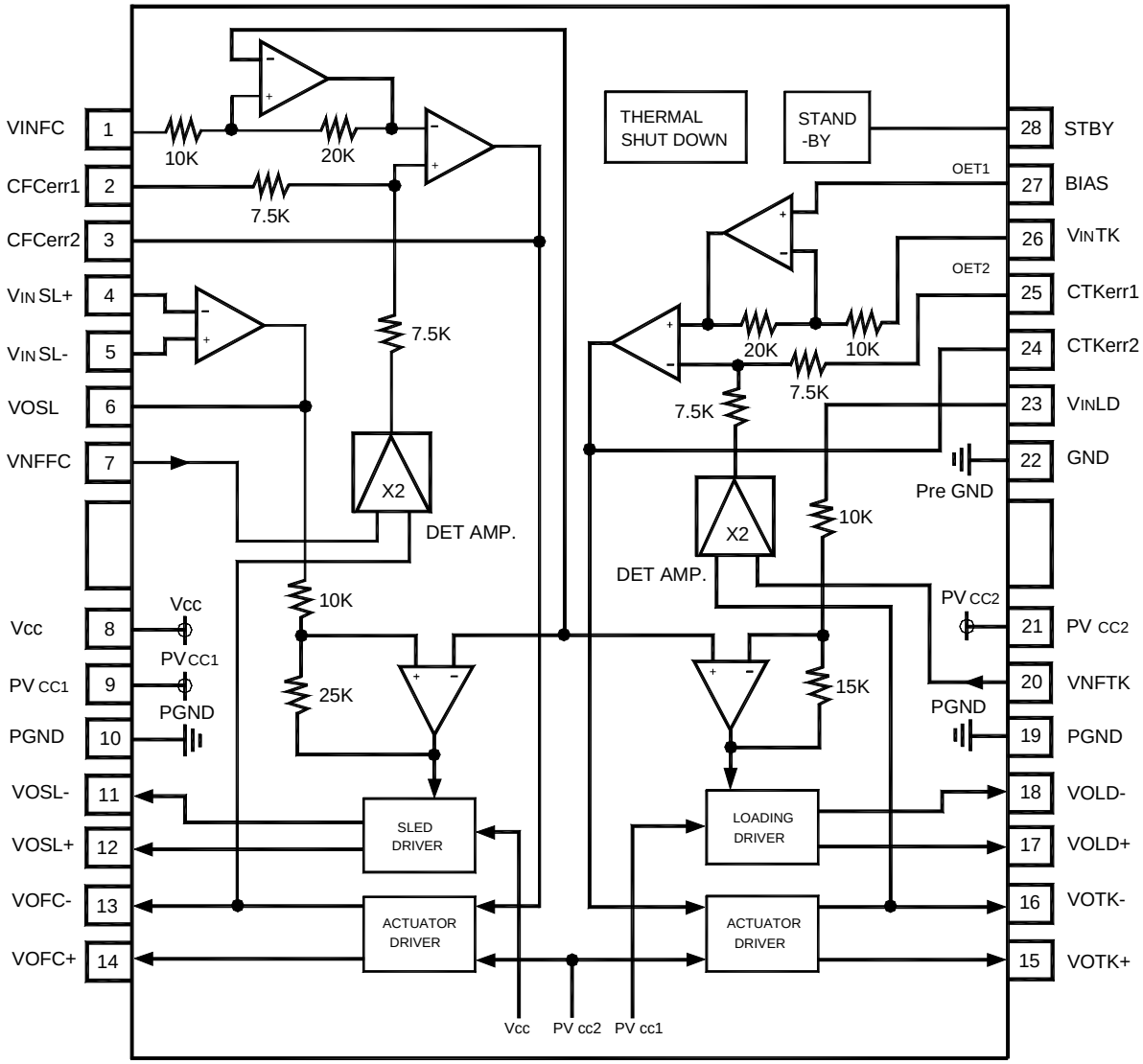


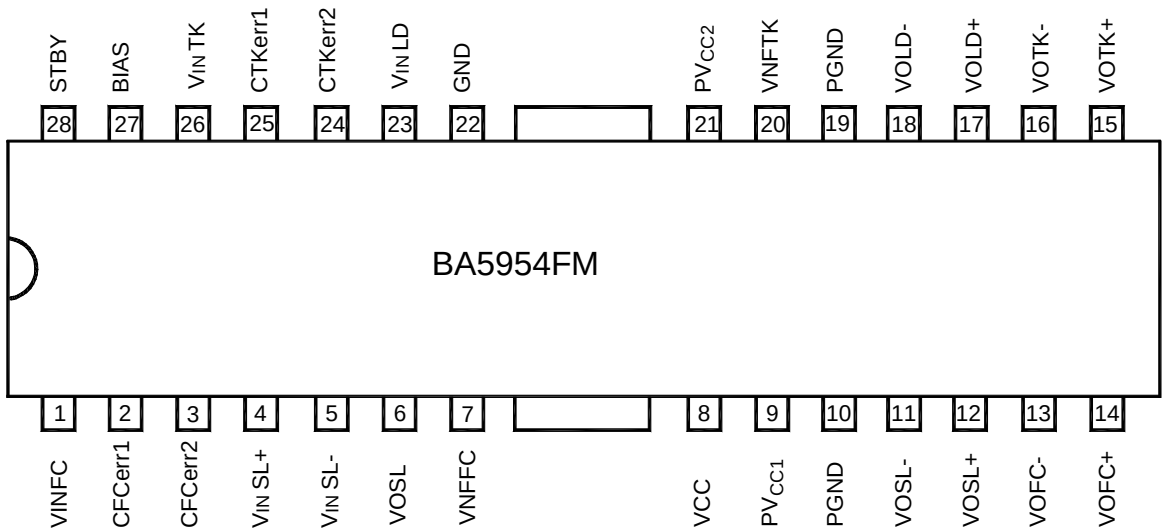


1.	INPUT +(1)	9.	N.C.
2.	N.C.	10.	N.C.
3.	INPUT -(1)	11.	OUTPUT (2)
4.	GND	12.	GND
5.	GND	13.	GND
6.	OUTPUT (1)	14.	INPUT - (2)
7.	N.C.	15.	N.C.
8.	+V5	16.	INPUT + (2)

IC BLOCK DIAGRAM & DESCRIPTION

U18 BA5954



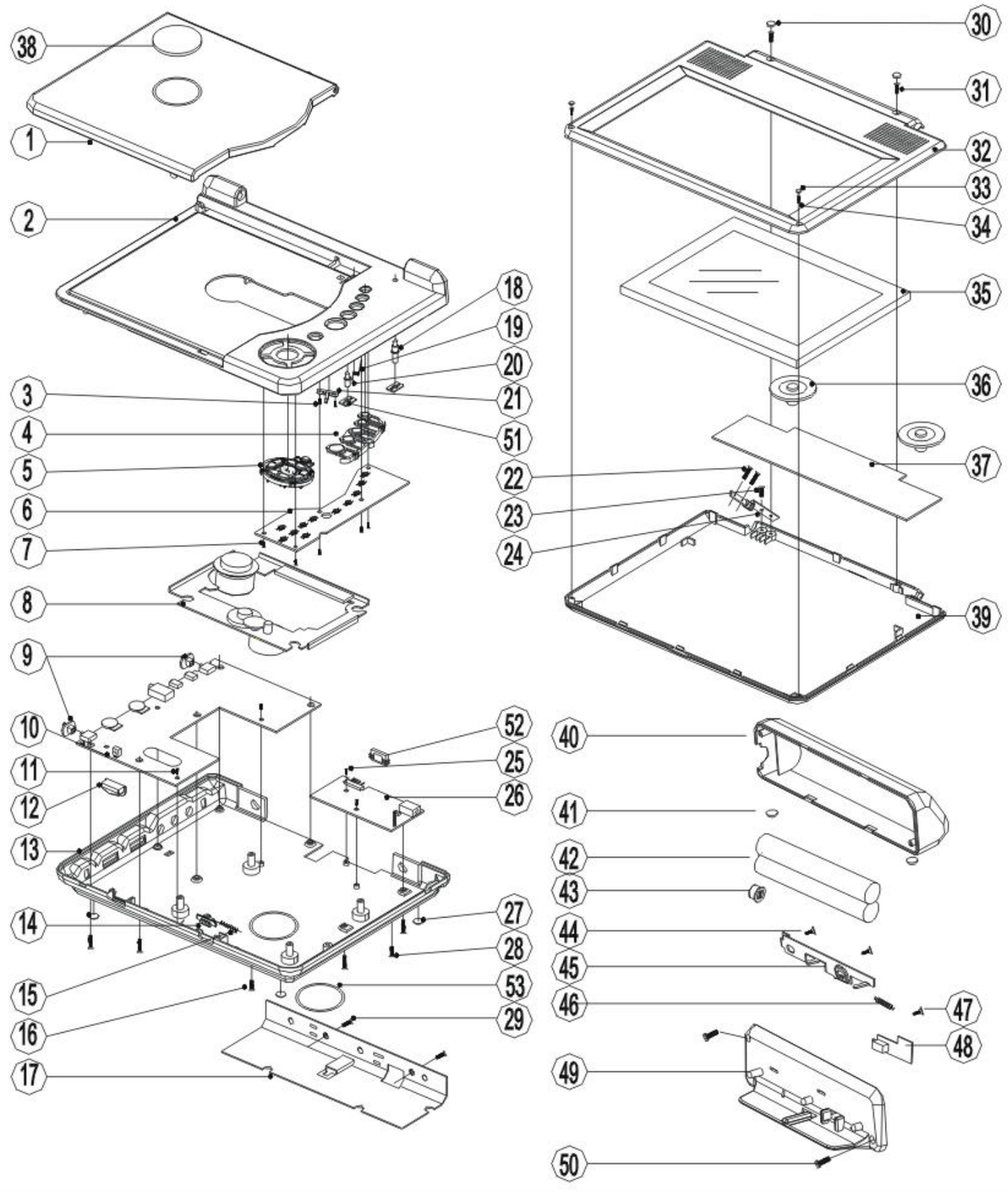


IC BLOCK DIAGRAM & DESCRIPTION

U18 BA5954FM

Pin No.	Pin name	Function
1.	VINFC	Focus drive input
2.	CFC err1	For connection of capacitor for the error amp filter
3.	CFC err2	For connection of capacitor for the error amp filter
4.	VINSL +	Op-amp input (+) for the sled driver
5.	VINSL -	Op-amp input (-) for the sled driver
6.	VOSL	Op-amp output for the sled driver
7.	VNFFC	Focus driver feedback pin
8.	Vcc	Vcc
9.	PV cc1	Power Vcc for sled driver block
10.	PGND	Ground for Sled Driver block
11.	VOSL -	Sled driver output (-)
12.	VOSL +	Sled driver output (+)
13.	VOFC -	Focus driver output (-)
14.	VOFC +	Focus driver output (+)
15.	VOTK +	Tracking driver output (+)
16.	VOTK -	Tracking driver output (-)
17.	VOLD +	Loading driver output (+)
18.	VOLD -	Loading driver output (-)
19.	PGND	Ground for Actuator driver block
20.	VNFTK	Tracking driver feedback pin
21.	PV cc2	Power Vcc for Actuator driver block
22.	GND	Ground
23.	VINTK	Loading driver input
24.	CTKerr2	For connection of capacitor for the error amp filter
25.	CTKerr1	For connection of capacitor for the error amp filter
26.	VINTK	Tracking driver input
27.	BLAS	Bias input
28.	STBY	Stand – By control

EXPLODED VIEW

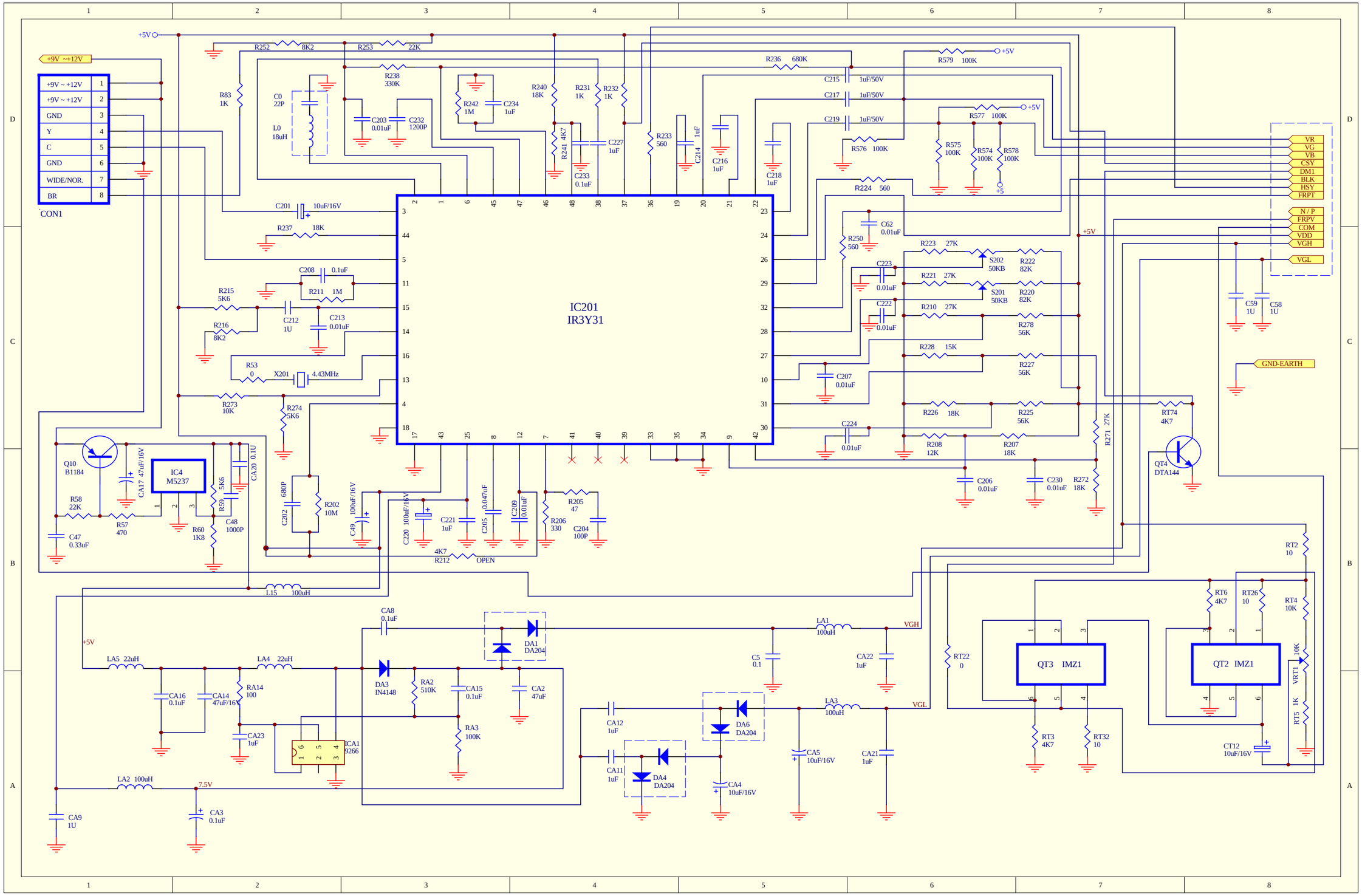


NO.	PART NO.	PART NAME
46	55QE0201	BATTERY SPRING
47	70012600	NUT FOR PCB
48	02QQ1103E	BATTERY SMD PCBA
49	88QH1403A	BATBOX TOP CAB
50	69212006	SCREW 2.0*6
51	88QE1701	PLATE PRESS
52	88MN1101B	COVER FOT CONNECTOR
53	87Q□0401A	STEEL PLATE

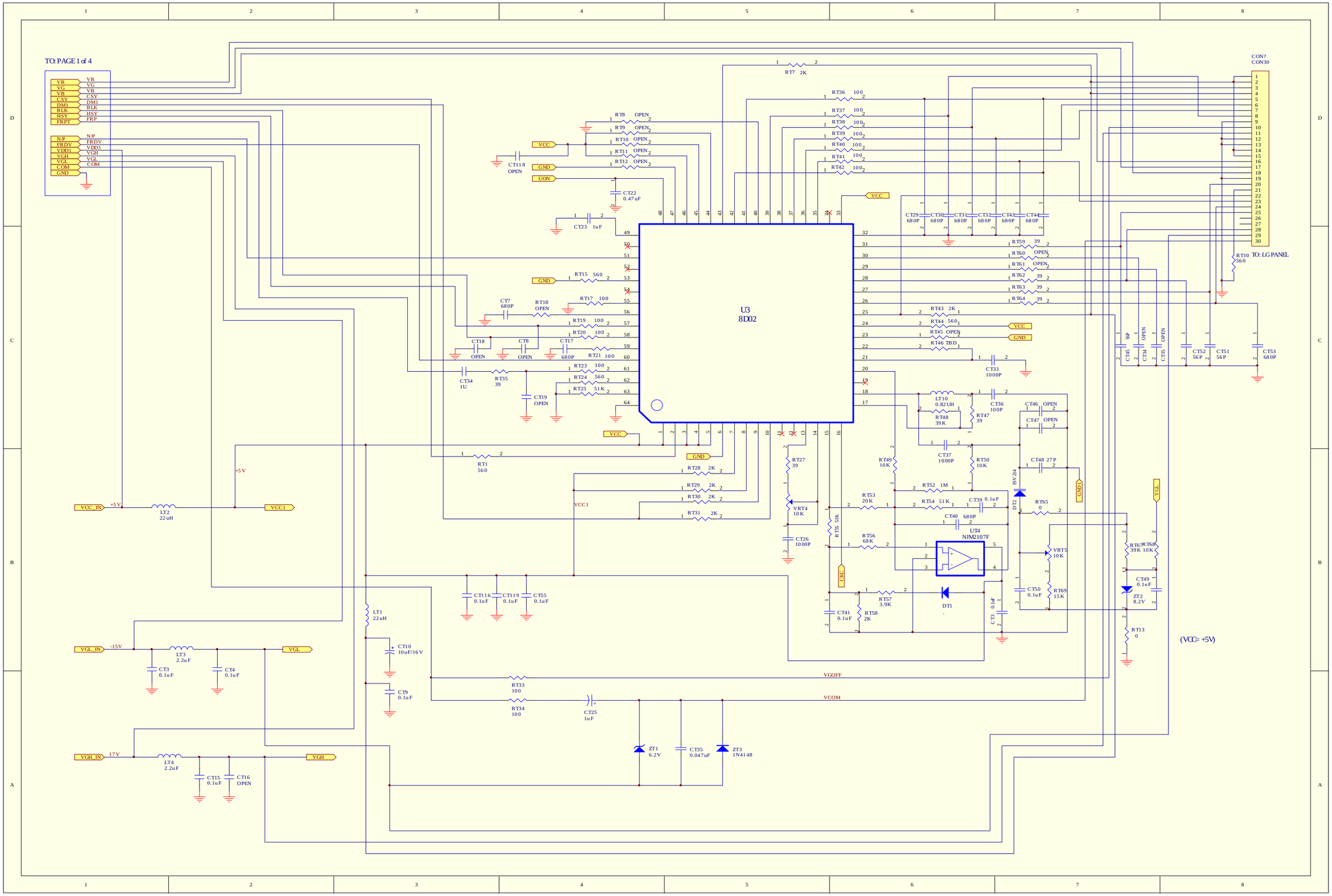
NO.	PART NO.	PART NAME
1	88Q□0301F	DVD DOOR
2	88Q□0401K	DVD TOP CAB
3	69211704	SCREW
4	88QH0601D	BUTTON1
5	88QH0701D	BUTTON2
6	02Q□1104	KEY BOARD ASS
7	69211704	SCREW 1.7*4
8	34ME0104A	DVD DECK
9	88Q□0701A	POWER BUTTON
10	82Q□0303	DVD MAIN BOARD
11	69211704	SCREW 1.7*4
12	88QH1201A	SENSOR LENS
13	88Q□0504K	DVD BOTTOM CAB
14	88QH1101A	DOOR OPEN SW
15	55Q□0103	DOOR SPRING
16	69272008	SCREW 2.0*8
17	87Q□0204A	STEEL PLATE
18	88QH0801A	INSERT 1 LMD-3588
19	93Q□0401A	SPRING LMD-4588
20	93Q□0401A	INSERT 2 LMD-3588
21	87QH0301	DOOR SPRING PLATE
22	69012607	SCREW 2.6*7
23	69012605	SCREW 2.6*5
24	87MV0302	HINGE
25	69211704	SCREW 1.7*4
26	02QQ1105	BATTERY MAIN PCBA
27	64MJ0201	RUBBER FOOT
28	69072005	SCREW 2.0*5
29	69222005	SCREW 2.0*5
30	64QH0101	RUBBER FOOT
31	69012607	SCREW 2.6*7
32	88Q□0104AC	MONITOR FRONT CAB
33	64MN0201	RUBBER FOOT
34	69211705	SCREW 1.7*5
35	02MN0005	7" PANEL ASSY
36	37352081H	SPEAKER
37	02Q□1301	MONITOR MAIN PCBA
38	88MN1101B	DECRATION PLATE
39	88Q□0203Z	MONITOR BACK CAB
40	88QH1503D	BATBOX BOTTOM CAB
41	64MJ0201	RUBBER FOOT
42	332F7292	BATTERY
43	88QE1401F	BATTERY SWITCH
44	69QE0101	SCREW M2.1
45	87QH0404	MOVING BRACKET

SCHEMATIC DIAGRAMS

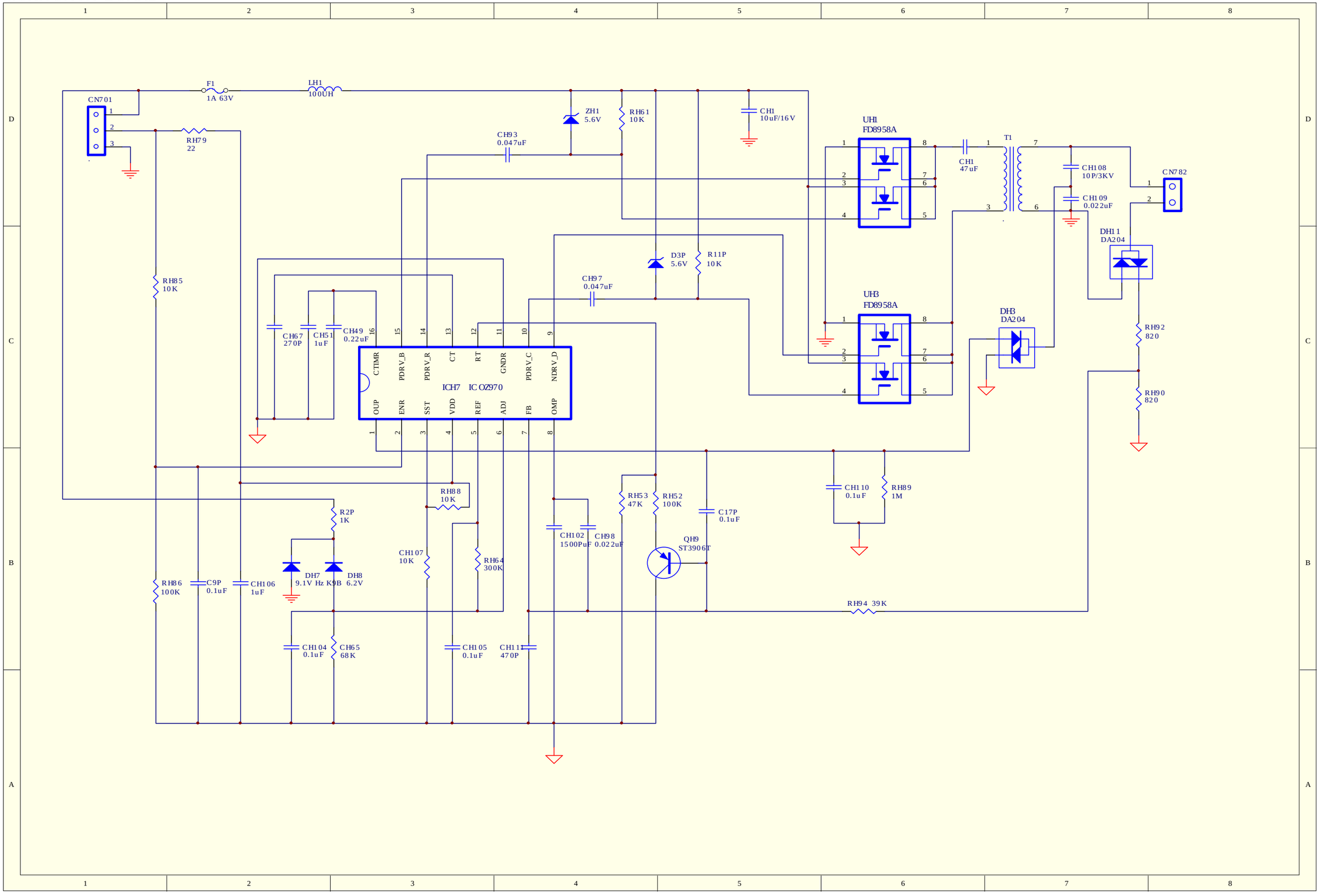
MONITOR PART
MONITOR MAIN BOARD



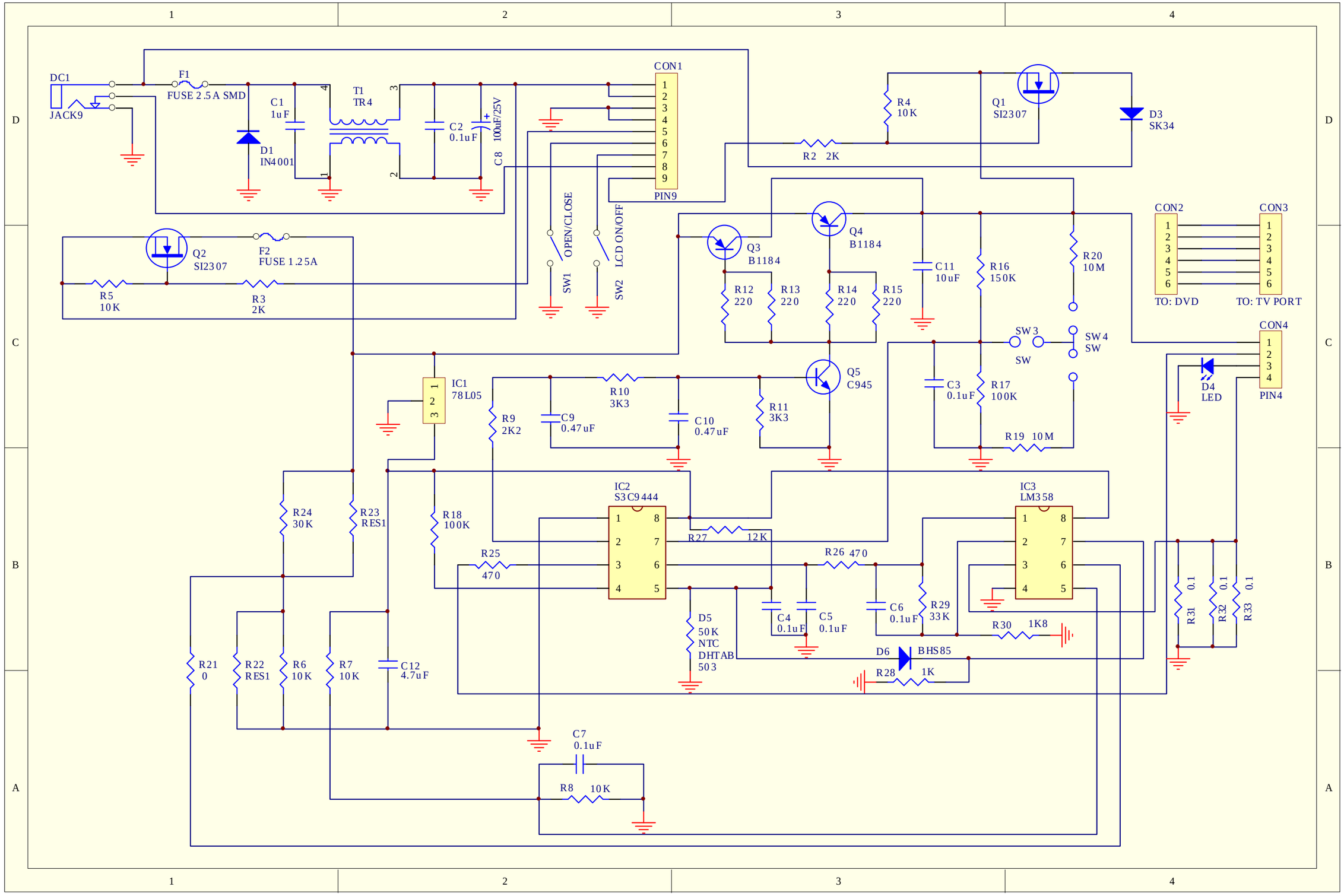
MONITOR PART
MONITOR MAIN BOARD



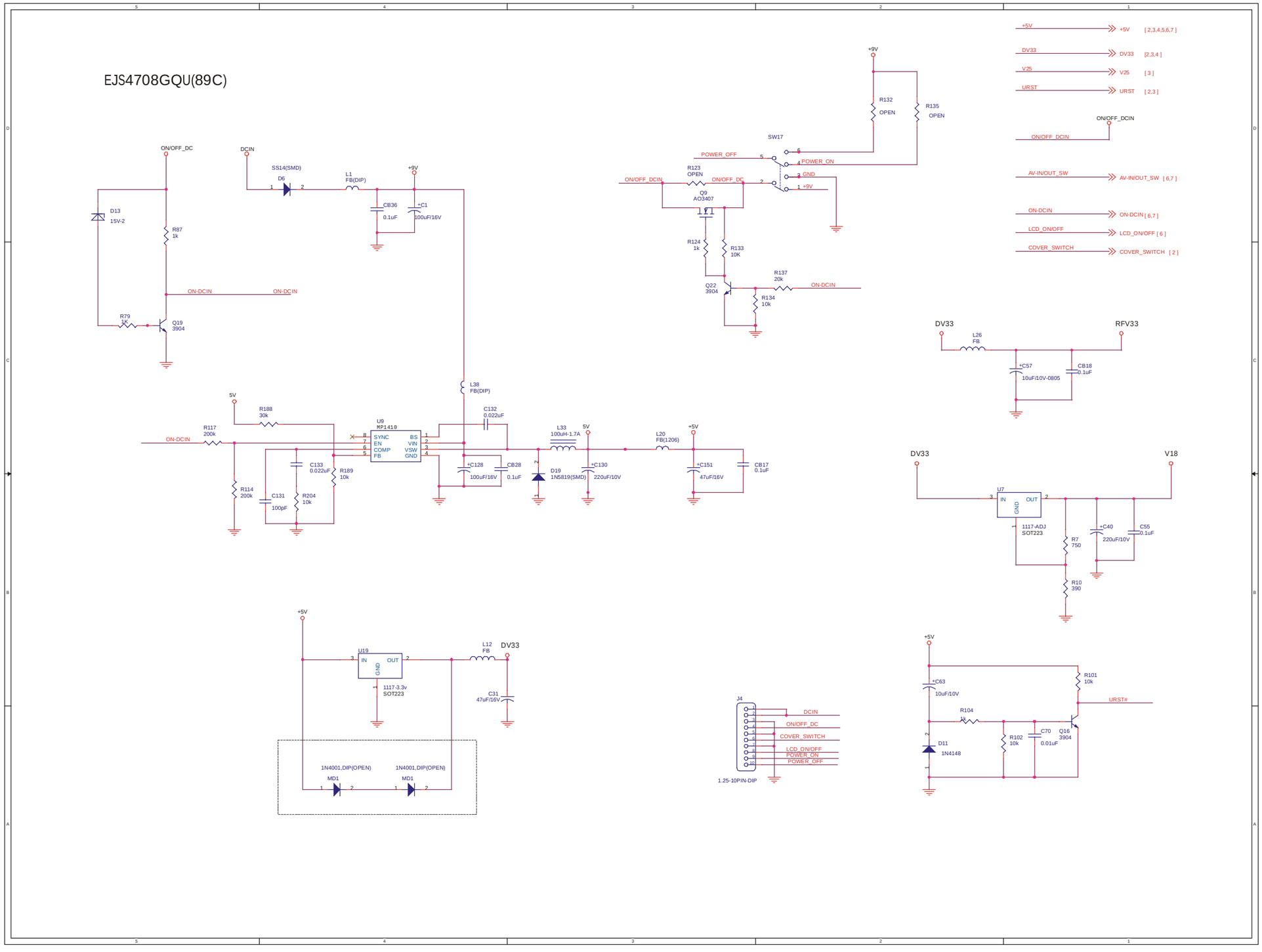
MONITOR PART
MONITOR HV BOARD



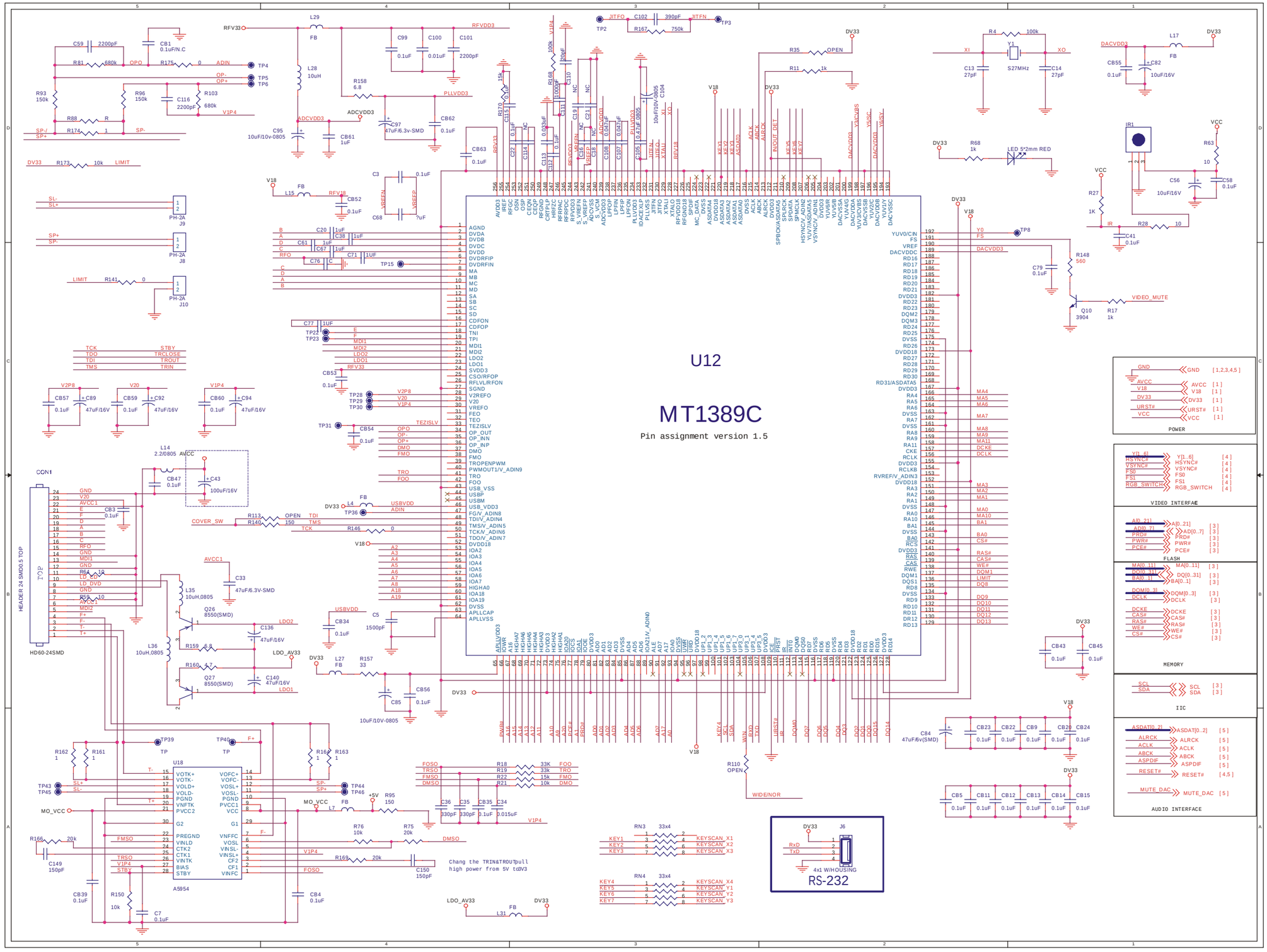
BATTERY CHARGER CIRCUIT



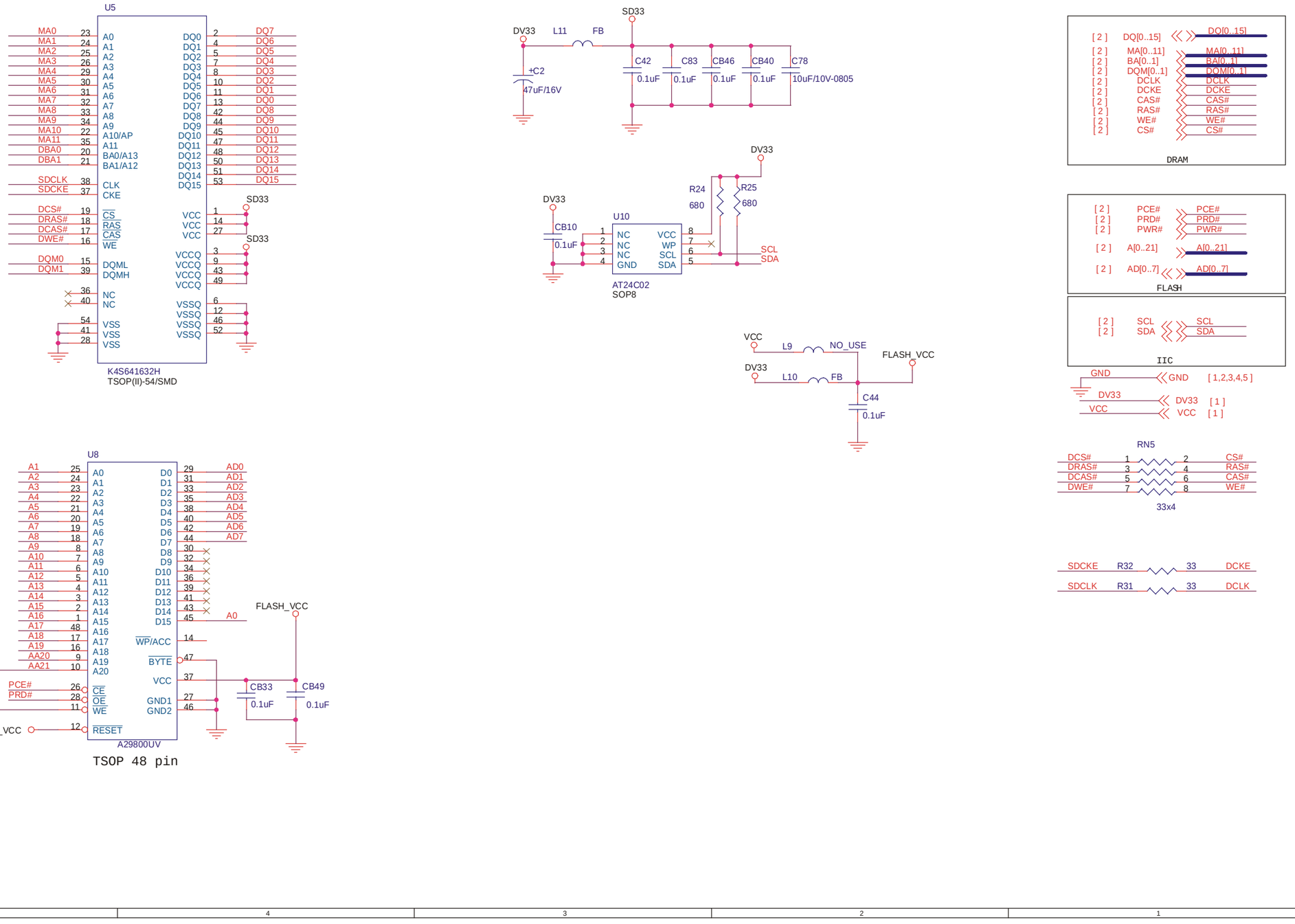
DVD Part
DVD POWER



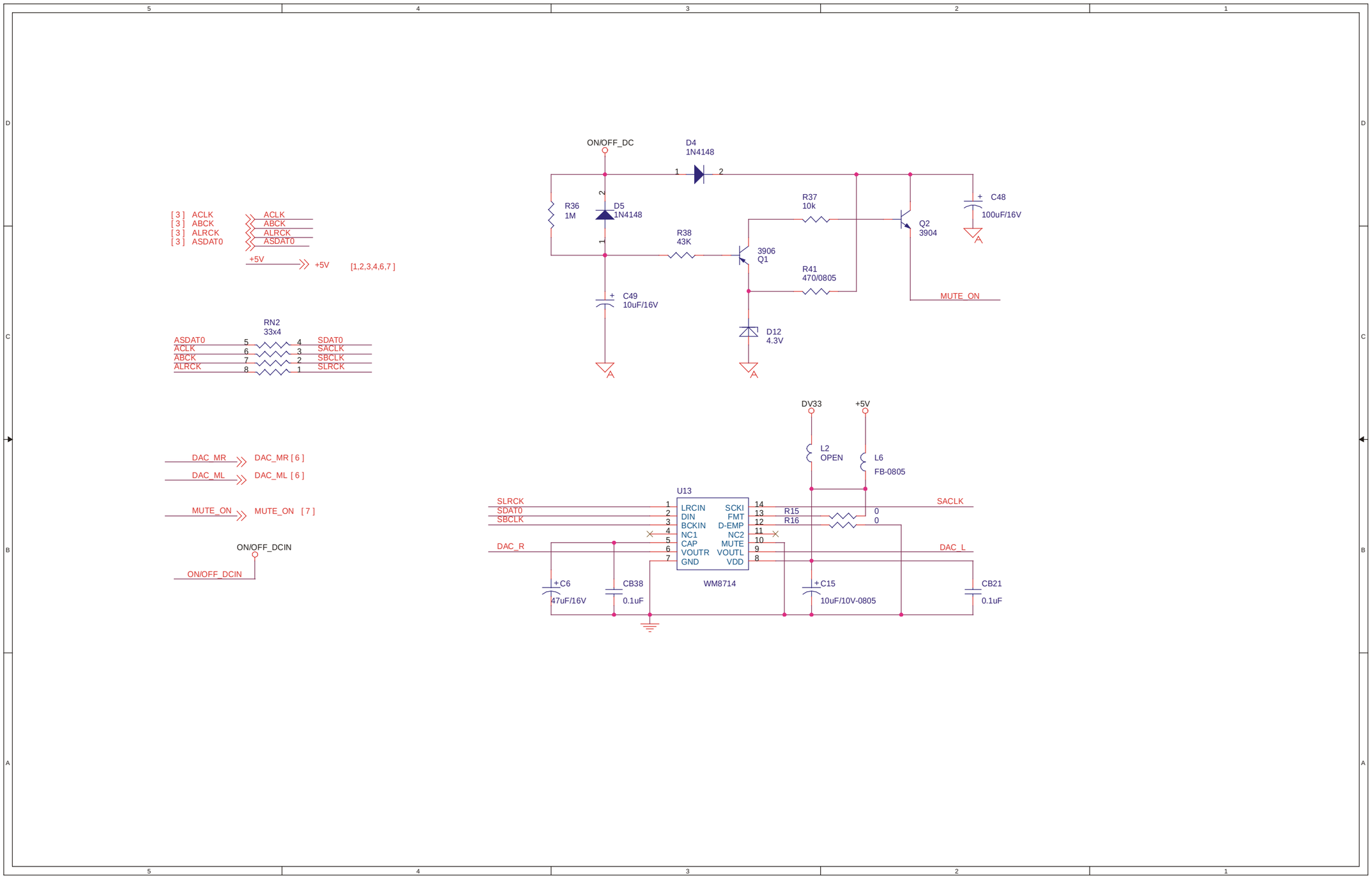
DVD RF


U12
MT1389C
Pin assignment version 1.5
CON1
HEADER 24 SMD0.5 TOP
HD60-24SMD
U18
A5954
J9
J8
J10
Q26 8550(SMD)
Q27 8550(SMD)
Q10 3904
Y1 S27MHz
IR1
LED 5*2mm RED
VIDEO_MUTE
WIDE/NOR
RS-232
POWER
VIDEO INTERFAE
FLASH
MEMORY
IIC
AUDIO INTERFACE

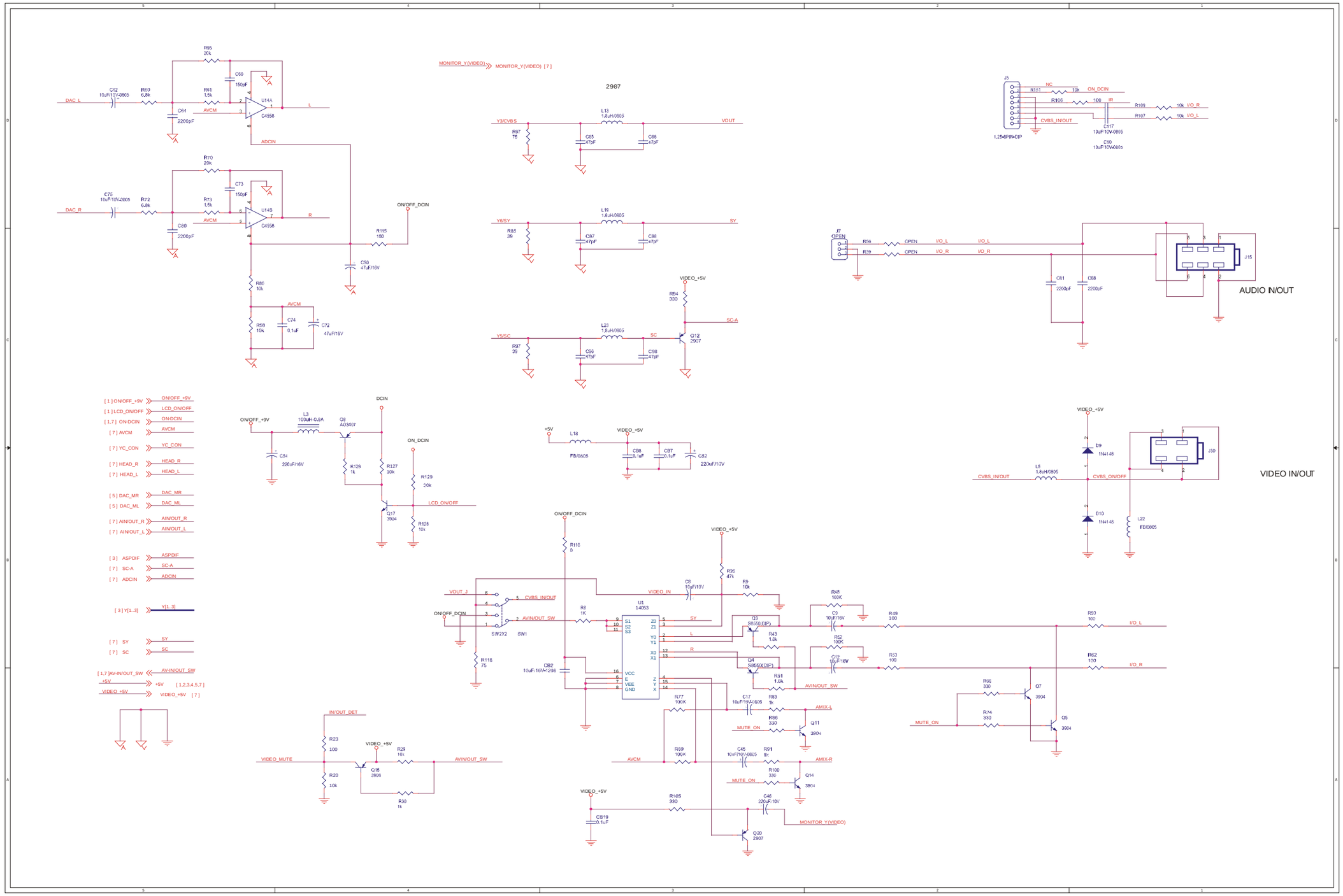
DVD ROM & RAM


U5
K4S641632H
TSOP(II)-54/SMD
SD33
DV33
L11
FB
+C2
47uF/16V
C42
C83
CB46
CB40
C78
0.1uF
10uF/10V-0805
R24
R25
680
CB10
U10
AT24C02
SOP8
SCL
SDA
VCC
L9
NO_USE
FLASH_VCC
L10
C44
[2] DQ[0..15]
[2] MA[0..11]
[2] BA[0..1]
[2] DQM[0..1]
[2] DCLK
[2] DCKE
[2] CAS#
[2] RAS#
[2] WE#
[2] CS#
DRAM
[2] PCE#
[2] PRD#
[2] PWR#
[2] A[0..21]
[2] AD[0..7]
FLASH
[2] SCL
[2] SDA
IIC
GND
[1,2,3,4,5]
[1]
RN5
DCS# DRAS# DCAS# DWE#
CS# RAS# CAS# WE#
33x4
SDCKE R32 33 DCKE
SDCLK R31 33 DCLK
U8
TSOP 48 pin
A29800UV
R138
10k
R33
10k
PCE#
PRD#
PWR#
CB33
CB49
0.1uF

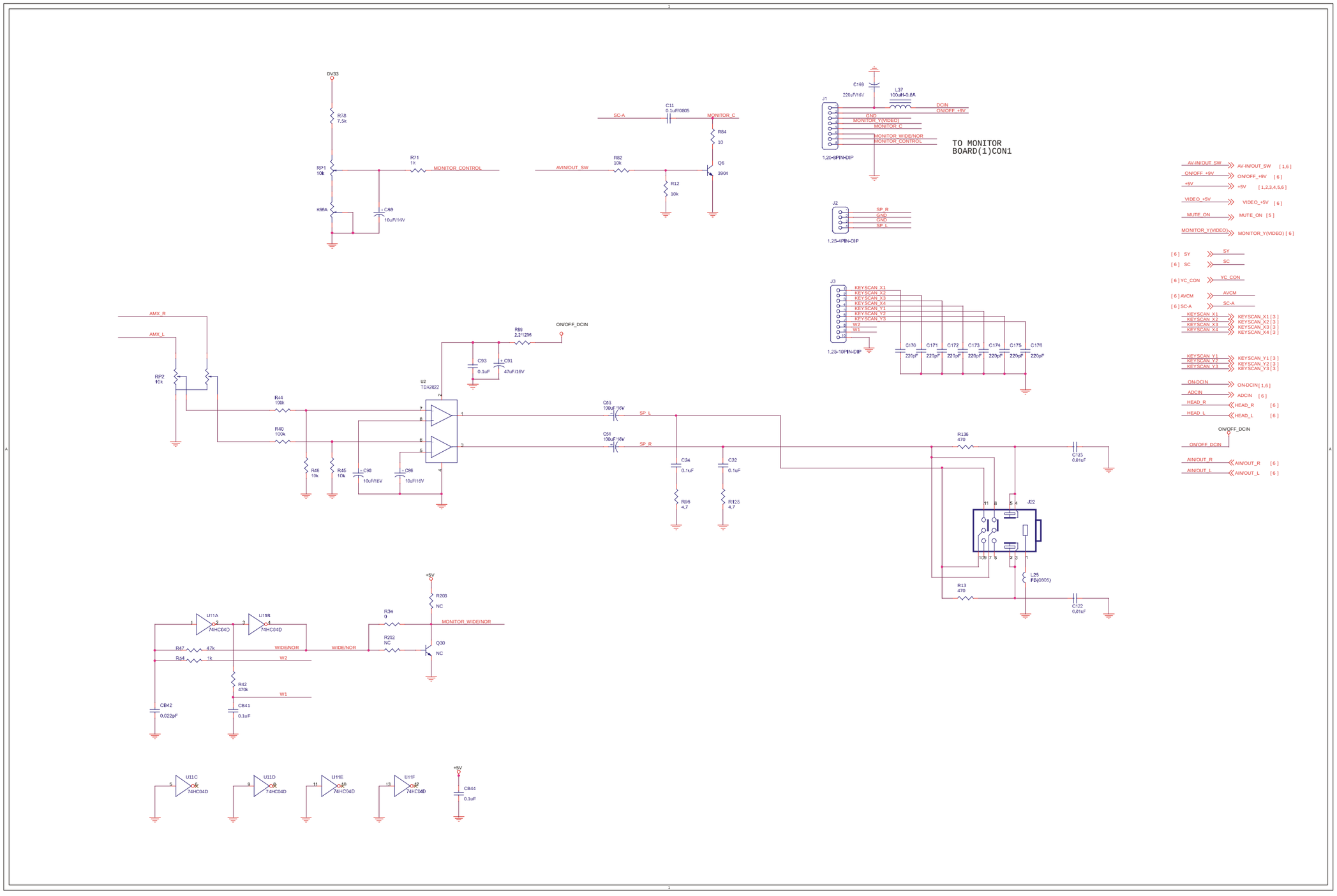
DVD MUTE


[3] ACLK
[3] ABCK
[3] ALRCK
[3] ASDAT0
ACLK
ABCK
ALRCK
ASDAT0
+5V
+5V
[1,2,3,4,6,7]
RN2
33x4
ASDAT0
ACLK
ABCK
ALRCK
5
6
7
8
4
3
2
1
SDAT0
SACLK
SBCLK
SLRCK
DAC_MR
DAC_MR [6]
DAC_ML
DAC_ML [6]
MUTE_ON
MUTE_ON [7]
ON/OFF_DCIN
ON/OFF_DCIN
ON/OFF_DC
D4
1N4148
R36
1M
D5
1N4148
R38
43K
3906
Q1
R37
10k
Q2
3904
C48
100uF/16V
R41
470/0805
MUTE_ON
C49
10uF/16V
D12
4.3V
DV33
+5V
L2
OPEN
L6
FB-0805
U13
LRCIN
DIN
BCKIN
NC1
CAP
VOUTR
GND
SCKI
FMT
D-EMP
NC2
MUTE
VOUTL
VDD
WM8714
SLRCK
SDAT0
SBCLK
DAC_R
SACLK
DAC_L
R15
R16
0
0
+C6
47uF/16V
CB38
0.1uF
+C15
10uF/10V-0805
CB21
0.1uF

DVD AV


AUDIO IN/OUT
VIDEO IN/OUT
2907
[1] ON/OFF_+9V
[1] LCD_ON/OFF
[1,7] ON-DCIN
[7] AVCM
[7] YC_CON
[7] HEAD_R
[7] HEAD_L
[5] DAC_MR
[5] DAC_ML
[7] AIN/OUT_R
[7] AIN/OUT_L
[3] ASPDIF
[7] SC-A
[7] ADCIN
[3] Y[1..3]
[7] SY
[7] SC
[1,7]AV-IN/OUT_SW
+5V
VIDEO_+5V
MONITOR_Y(VIDEO) [7]
DAC_L
DAC_R
ADCIN
ON/OFF_DCIN
MONITOR_Y(VIDEO)
Y3/CVBS
Y6/SY
Y5/SC
VOUT
SY
SC
SC-A
VIDEO_+5V
ON/OFF_+9V
DCIN
ON_DCIN
LCD_ON/OFF
+5V
VIDEO_IN
VOUT_J
CVBS_IN/OUT
AVIN/OUT_SW
SW1
IN/OUT_DET
VIDEO_MUTE
AVIN/OUT_SW
AVCM
AMIX-L
AMIX-R
MUTE_ON
MONITOR_Y(VIDEO)
J5
1.25-8PIN-DIP
NC
ON_DCIN
IR
CVBS_IN/OUT
I/O_R
I/O_L
J7
OPEN
J15
CVBS_ON/OFF
J30
VIDEO_+5V

DVD AUDIO JACK



MEMO