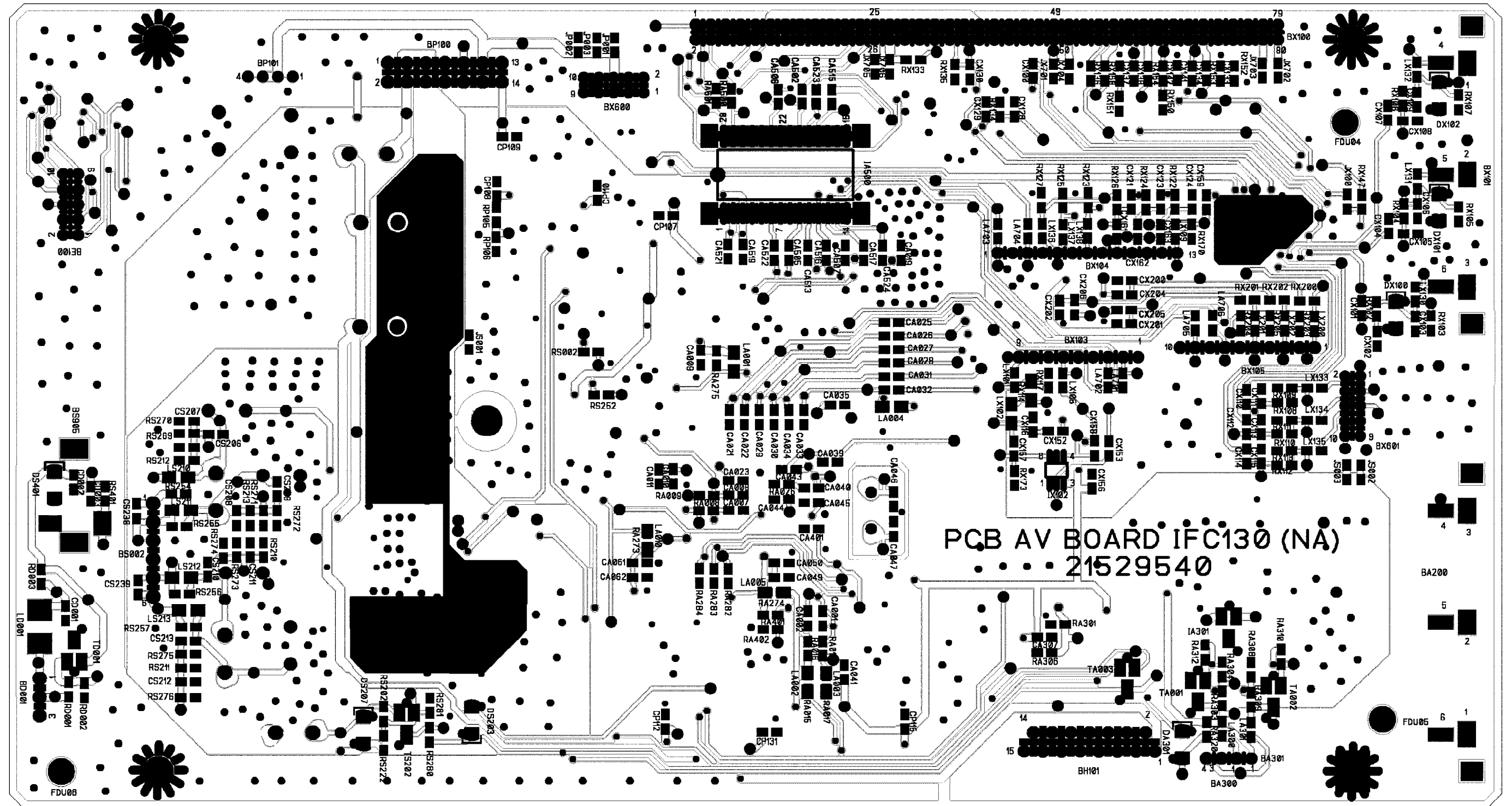
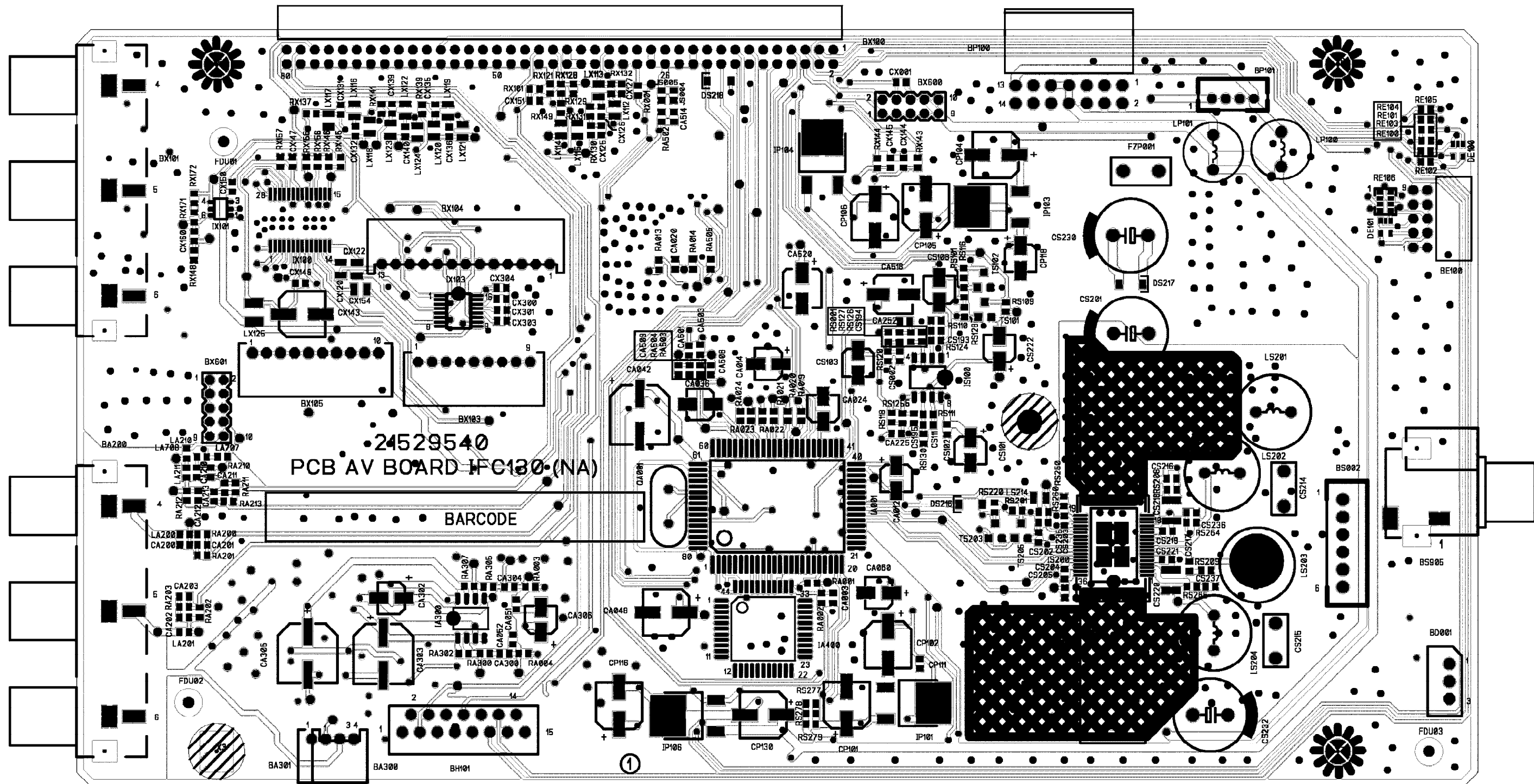


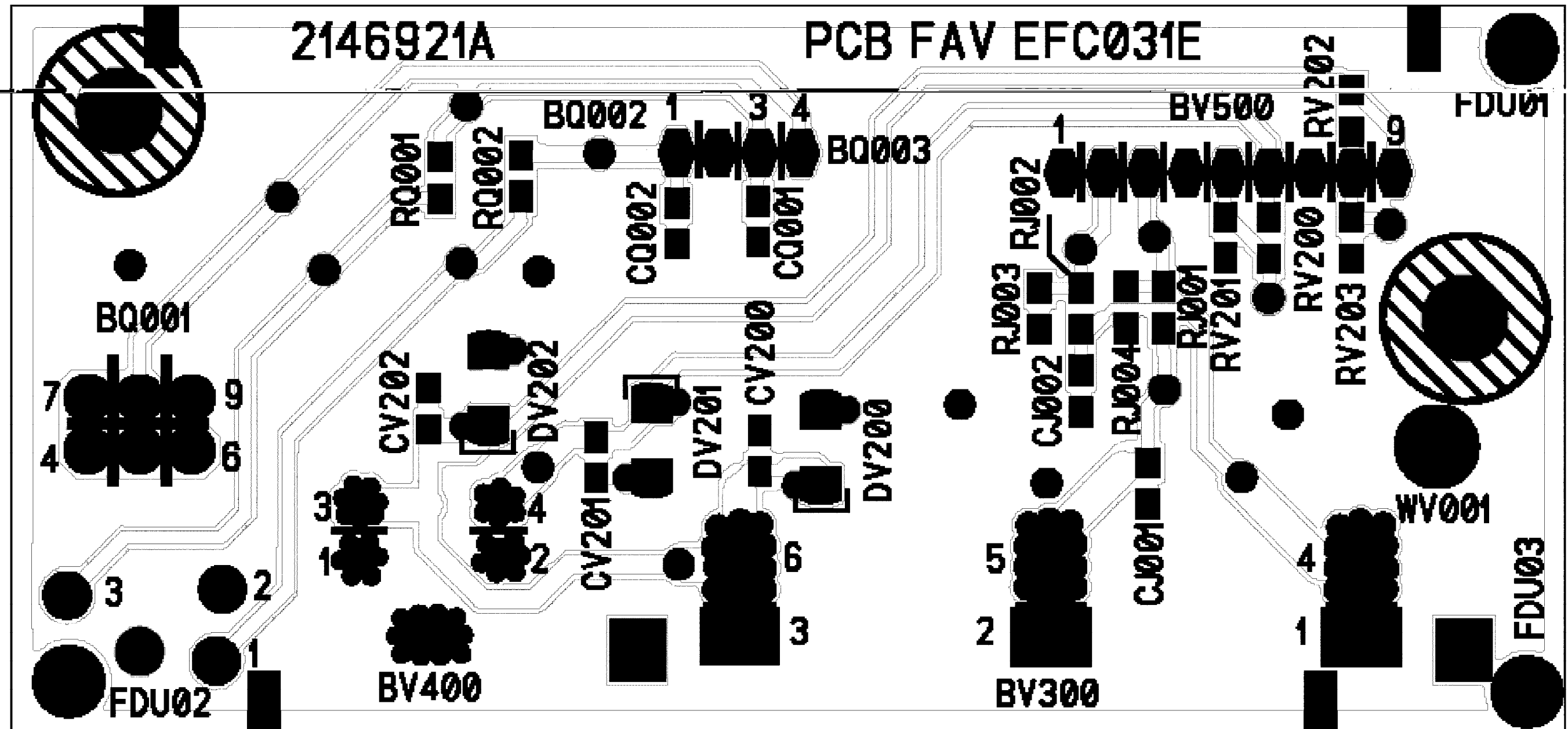
AV Board (Bottom View)



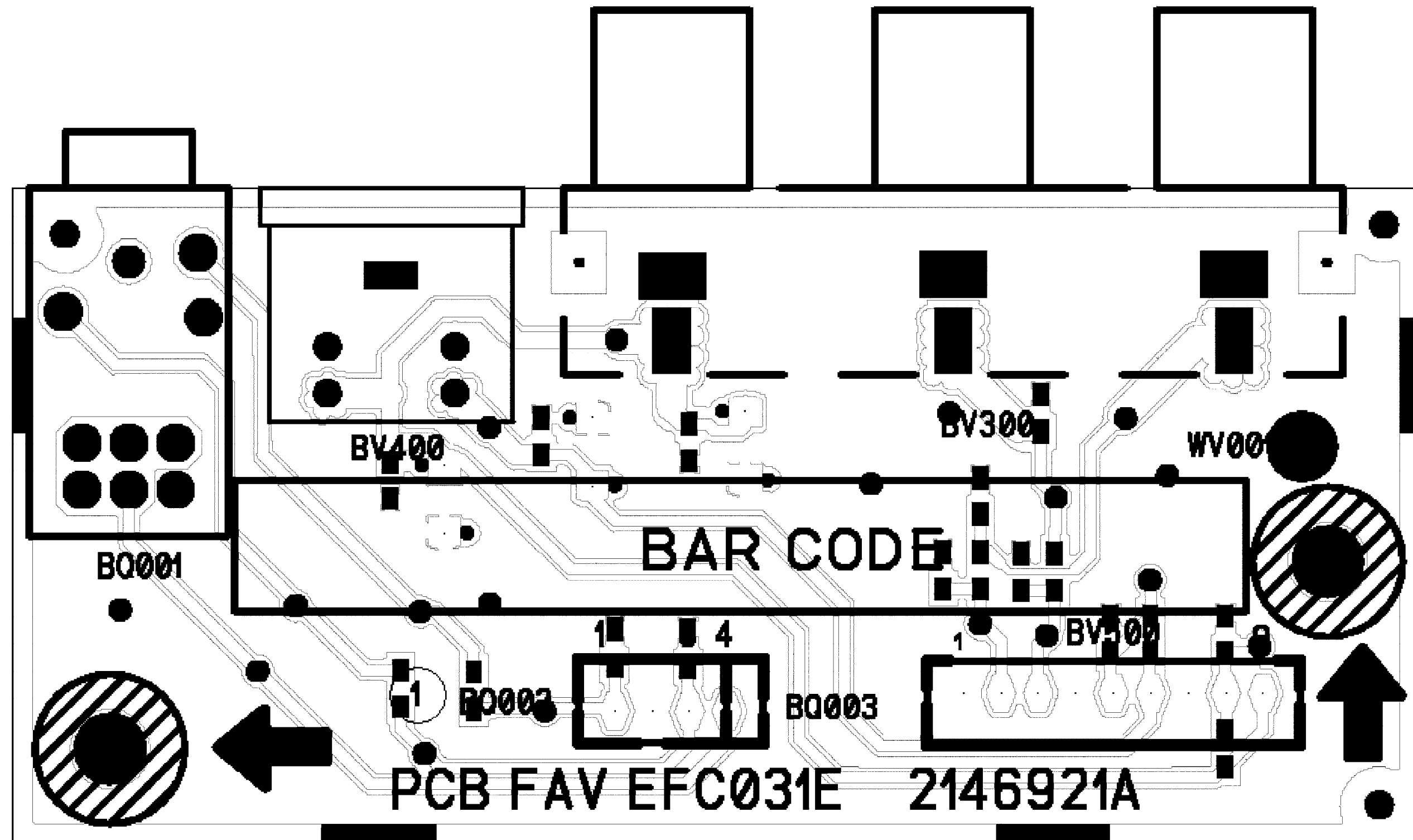
AV Board (Top View)



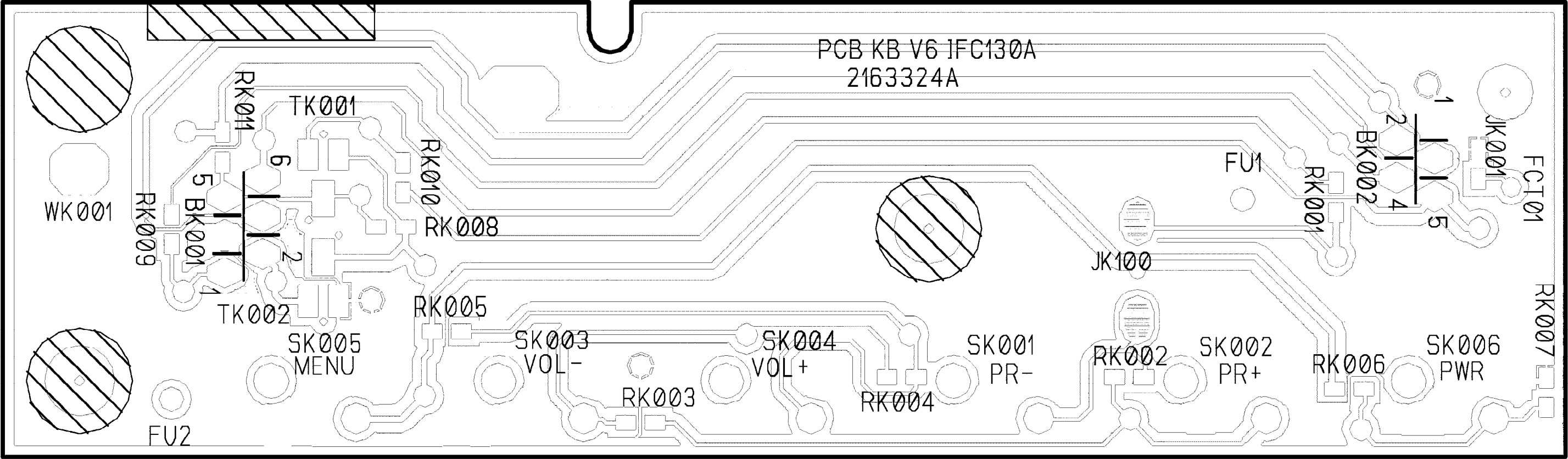
FAV Board (Bottom View)



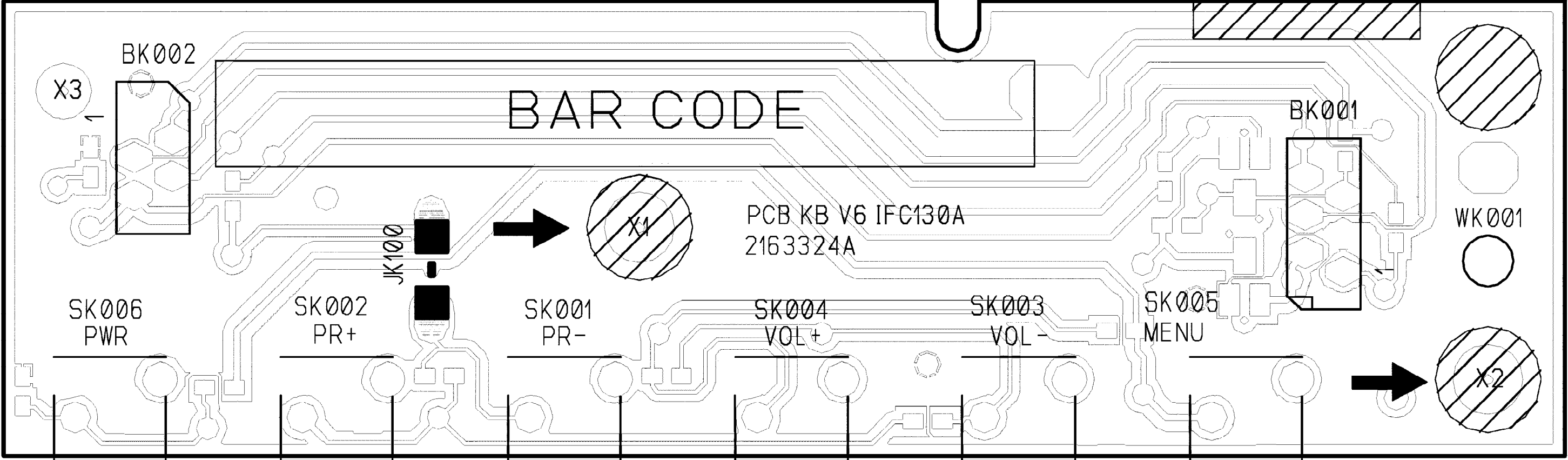
FAV Board (Top View)



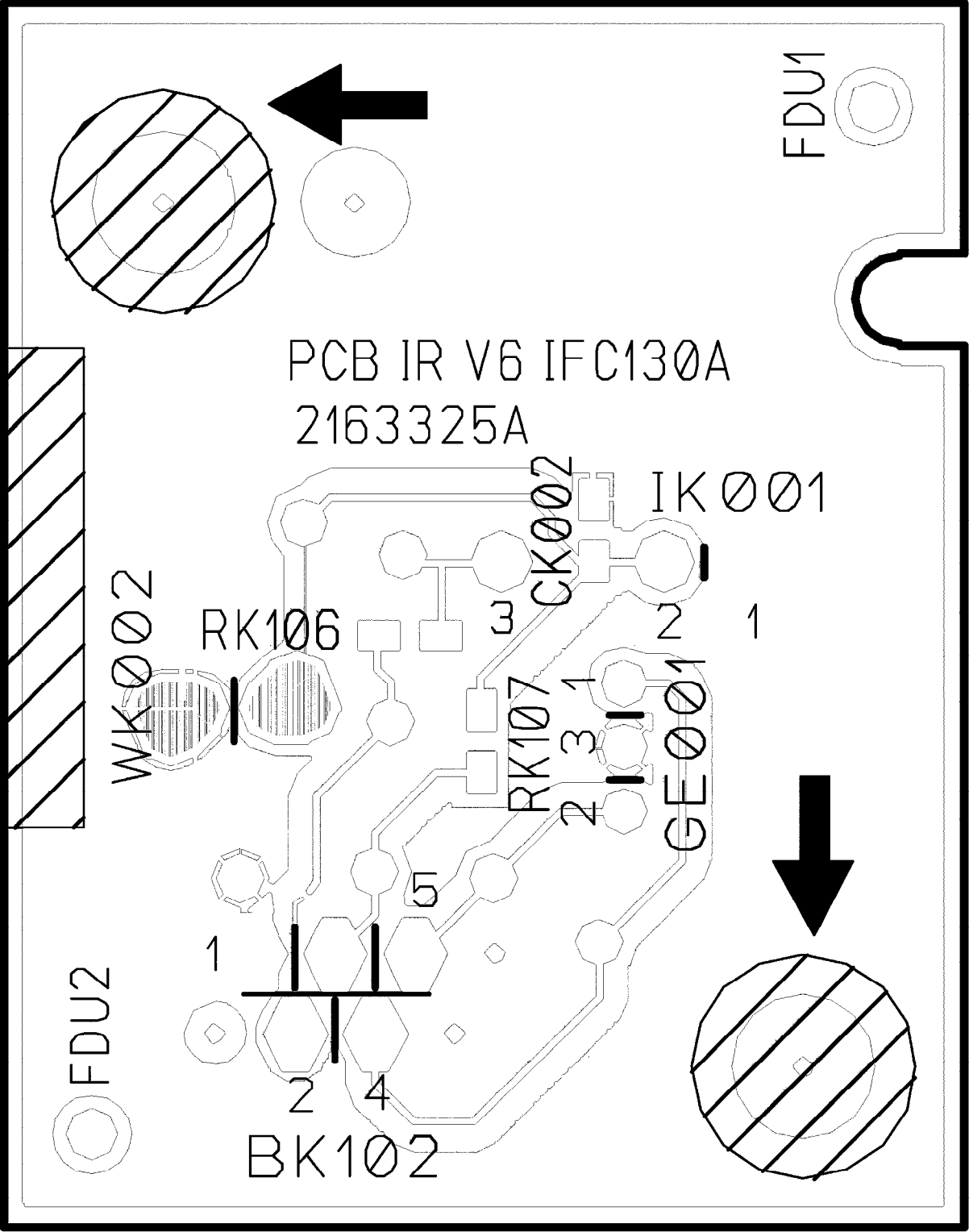
Key Board (Bottom View)



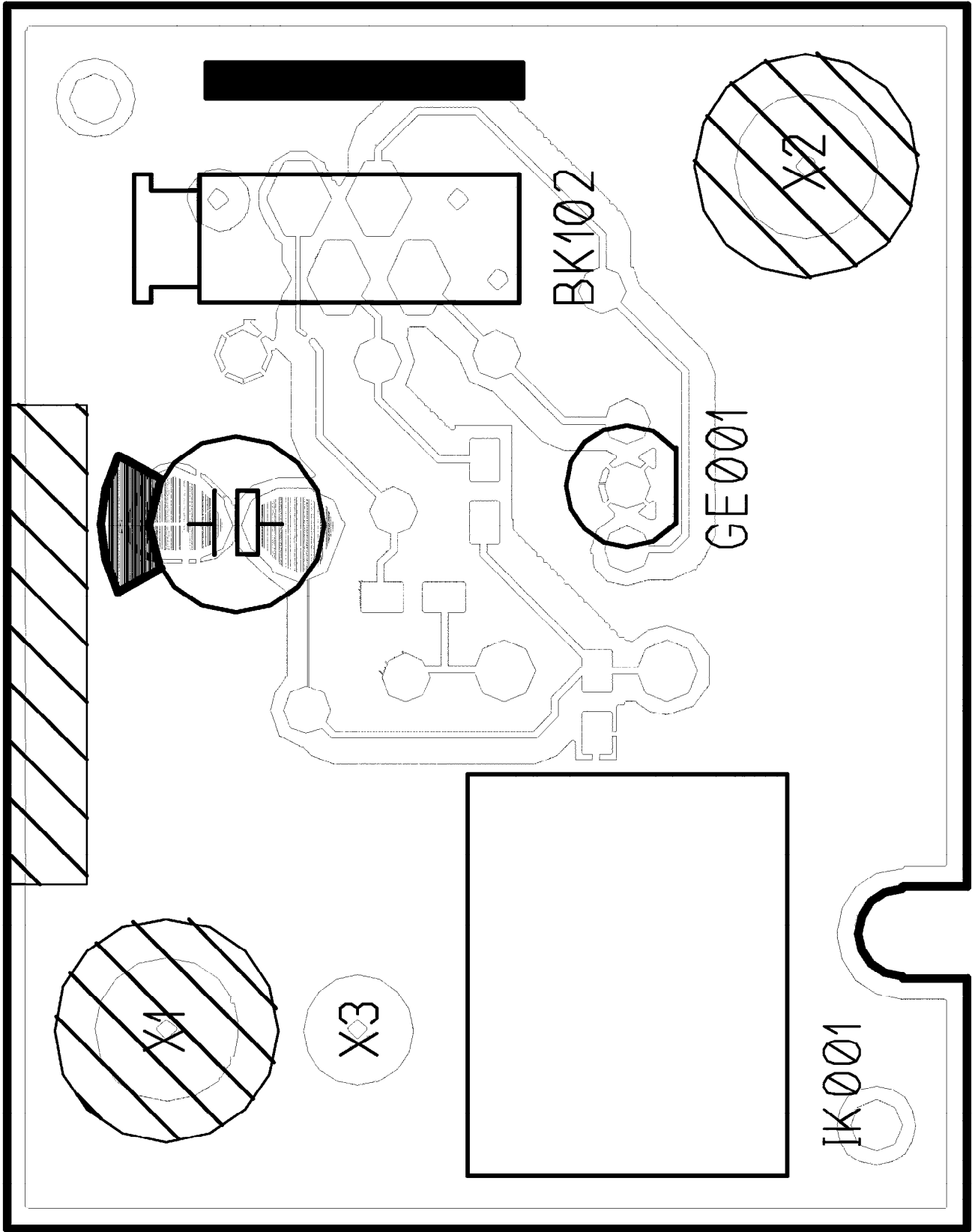
Key Board (Top View)



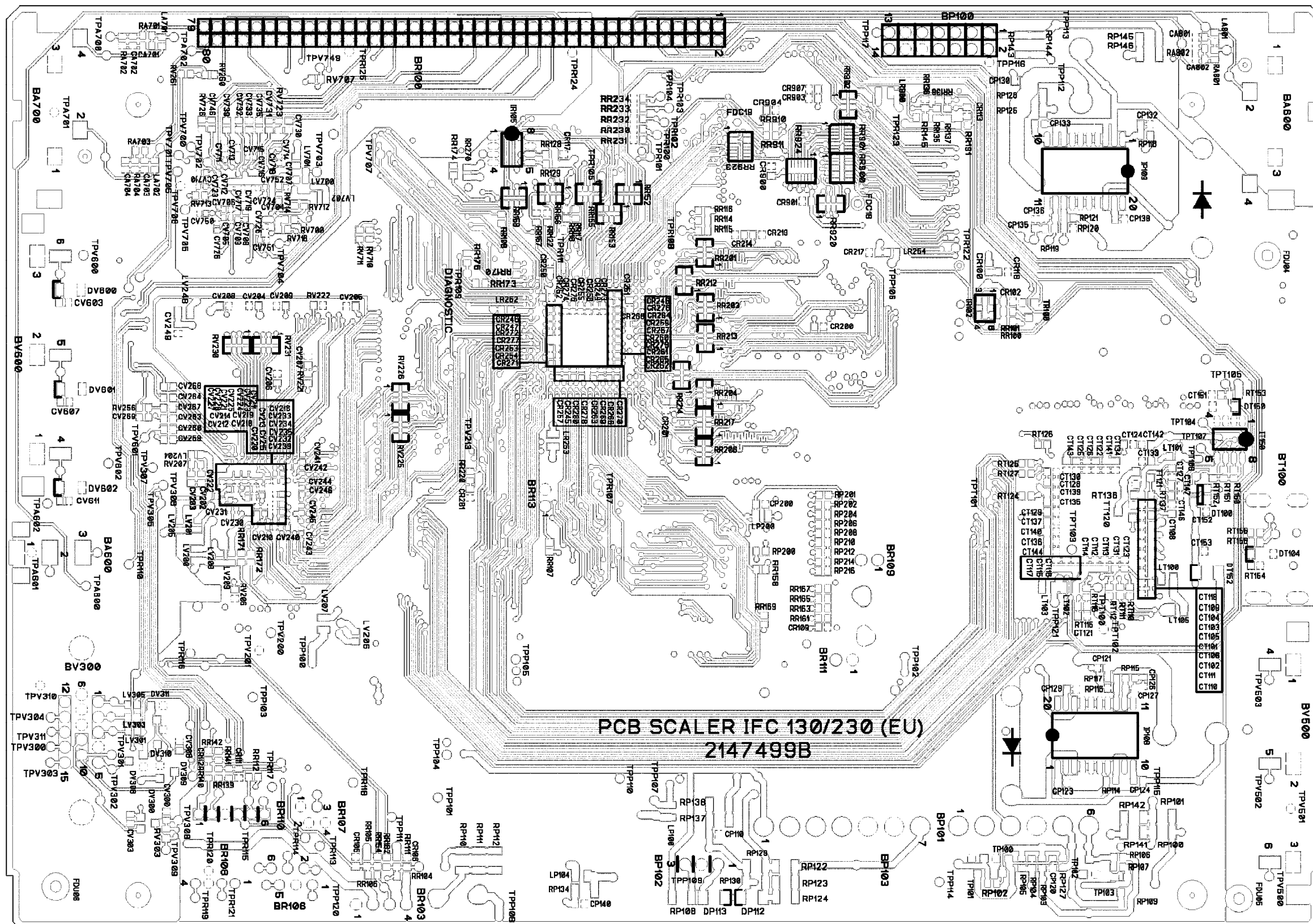
IR Board (Bottom View)



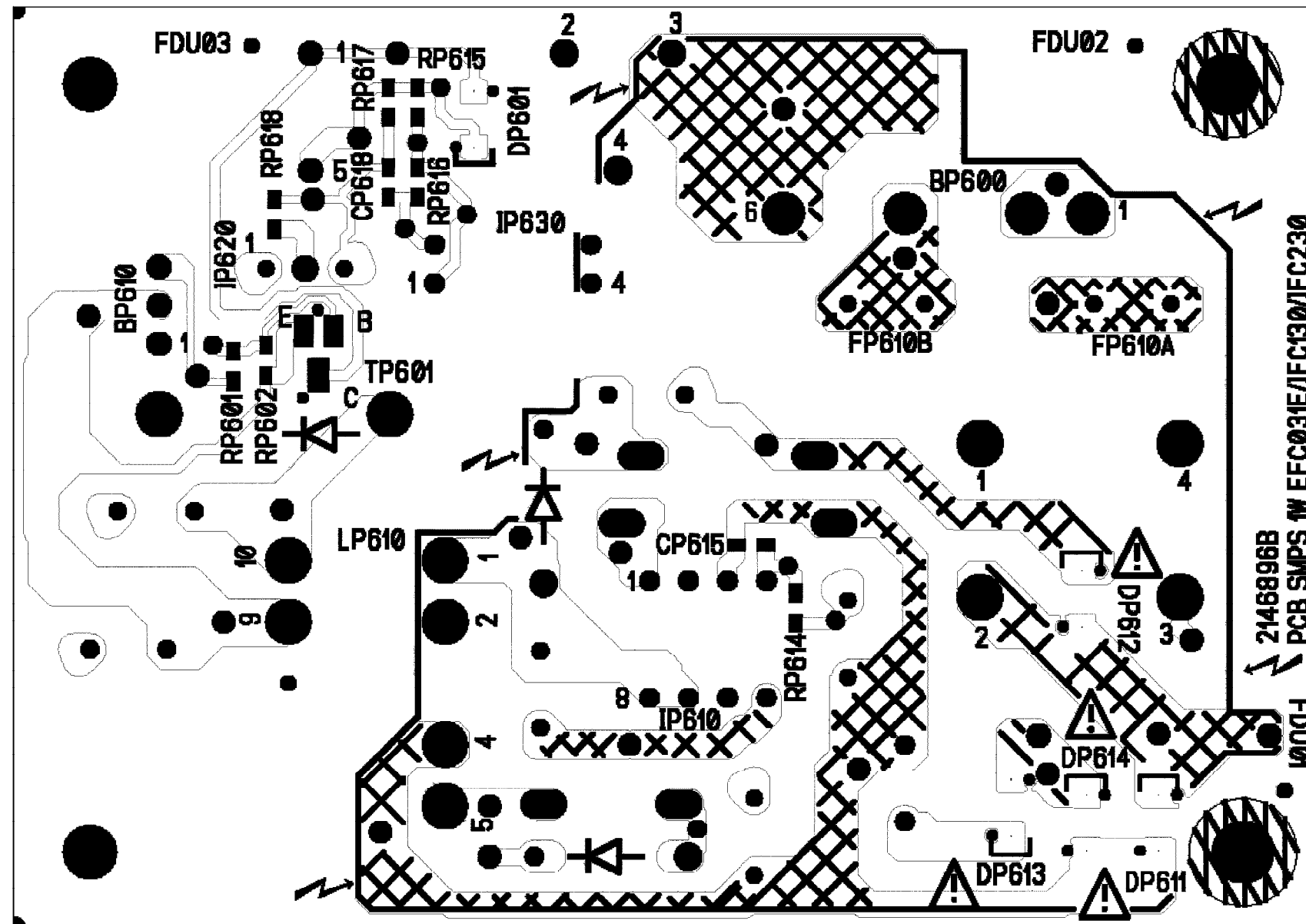
IR Board (Top View)



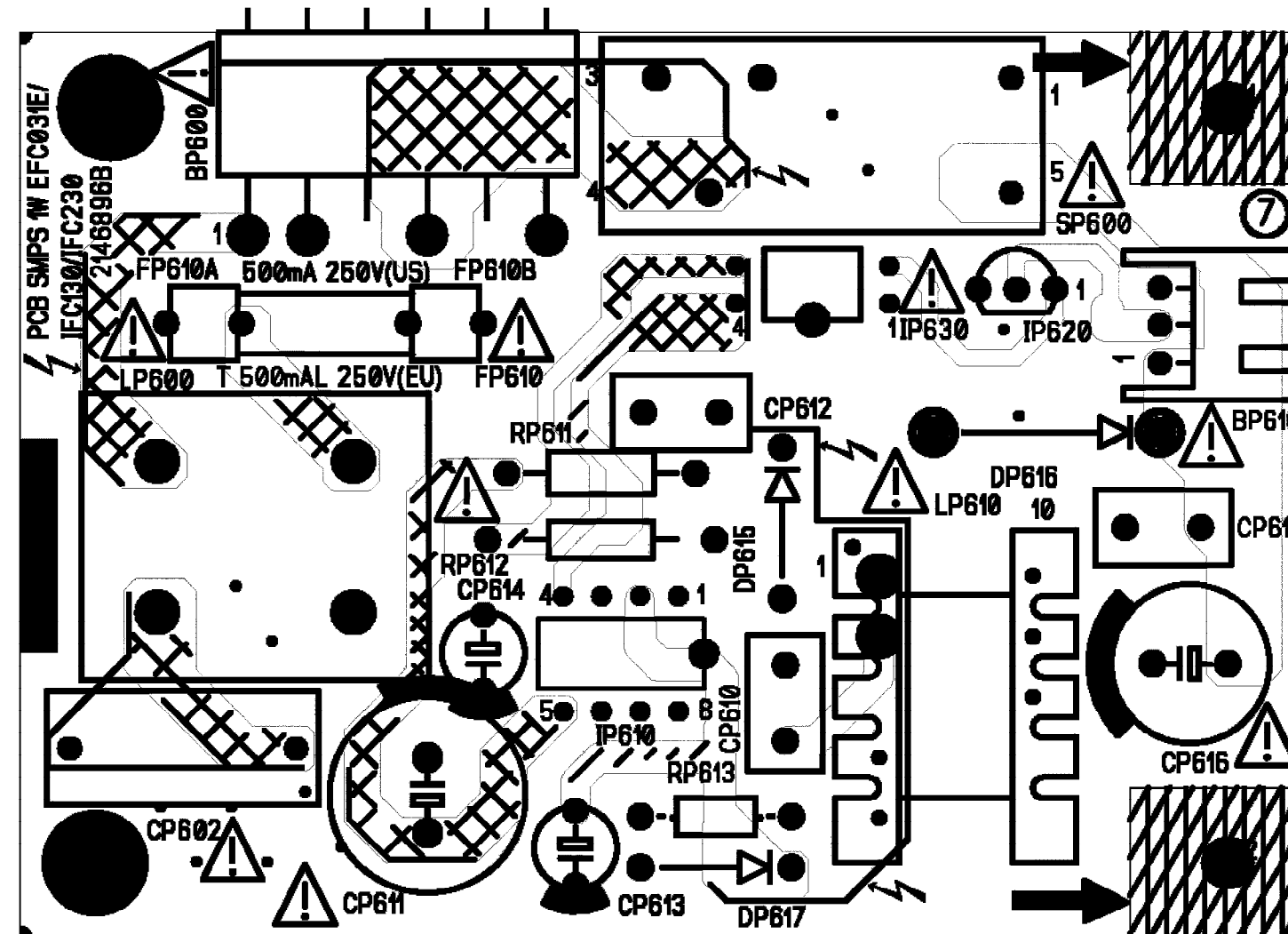
Scaler Board (Bottom View)



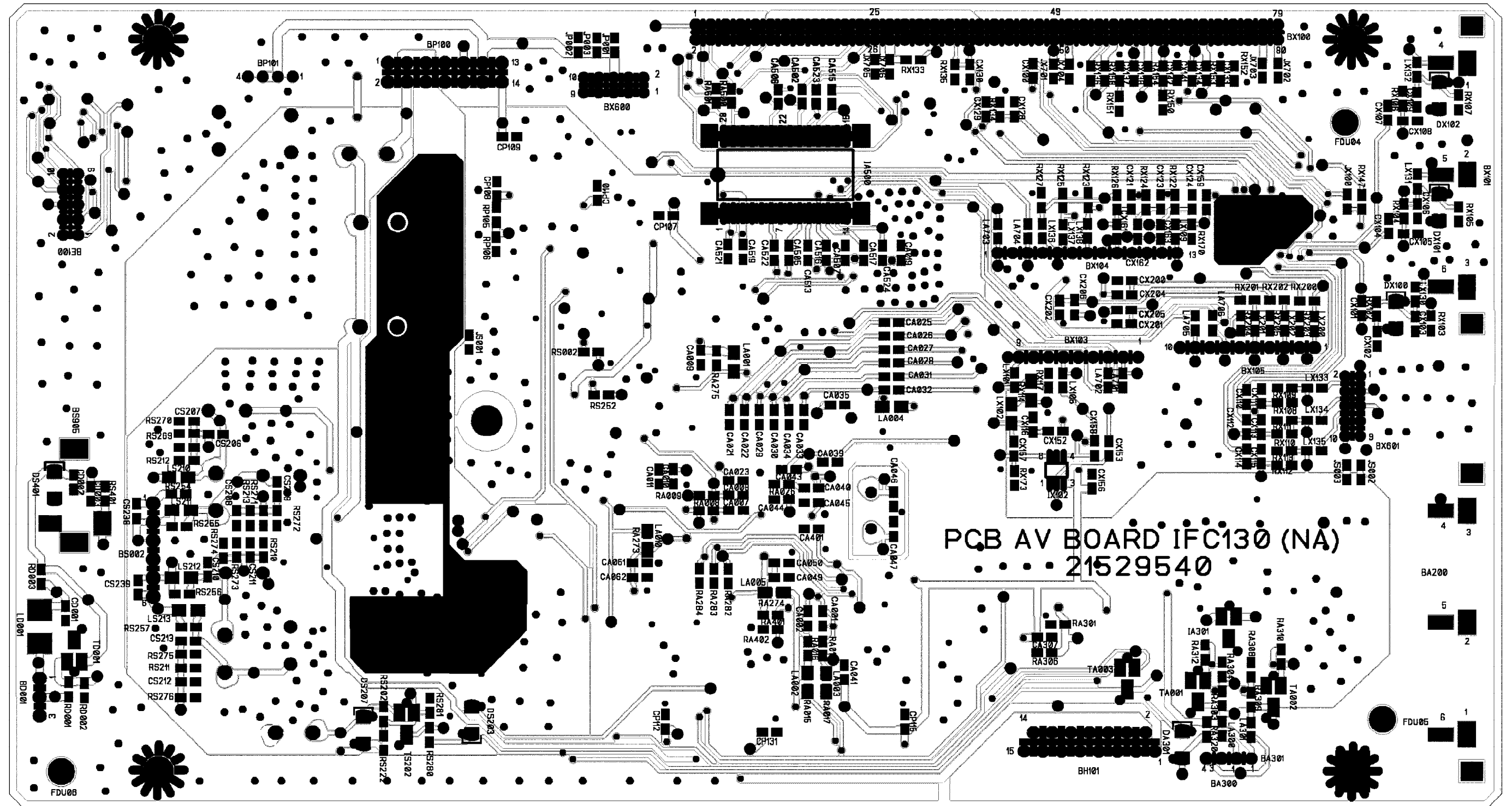
SMPS 1W Board (Bottom View)



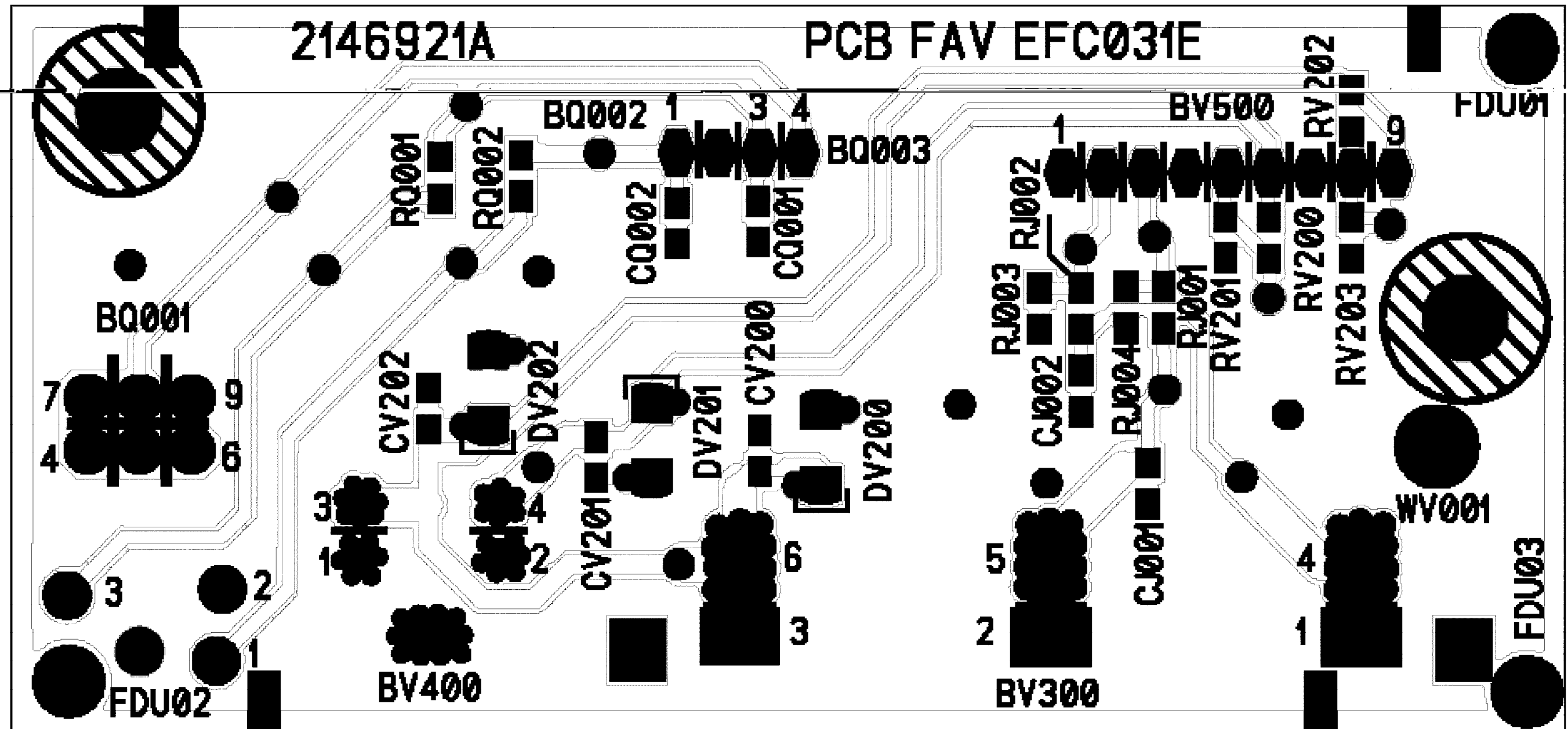
SMPS 1W Board (Top View)



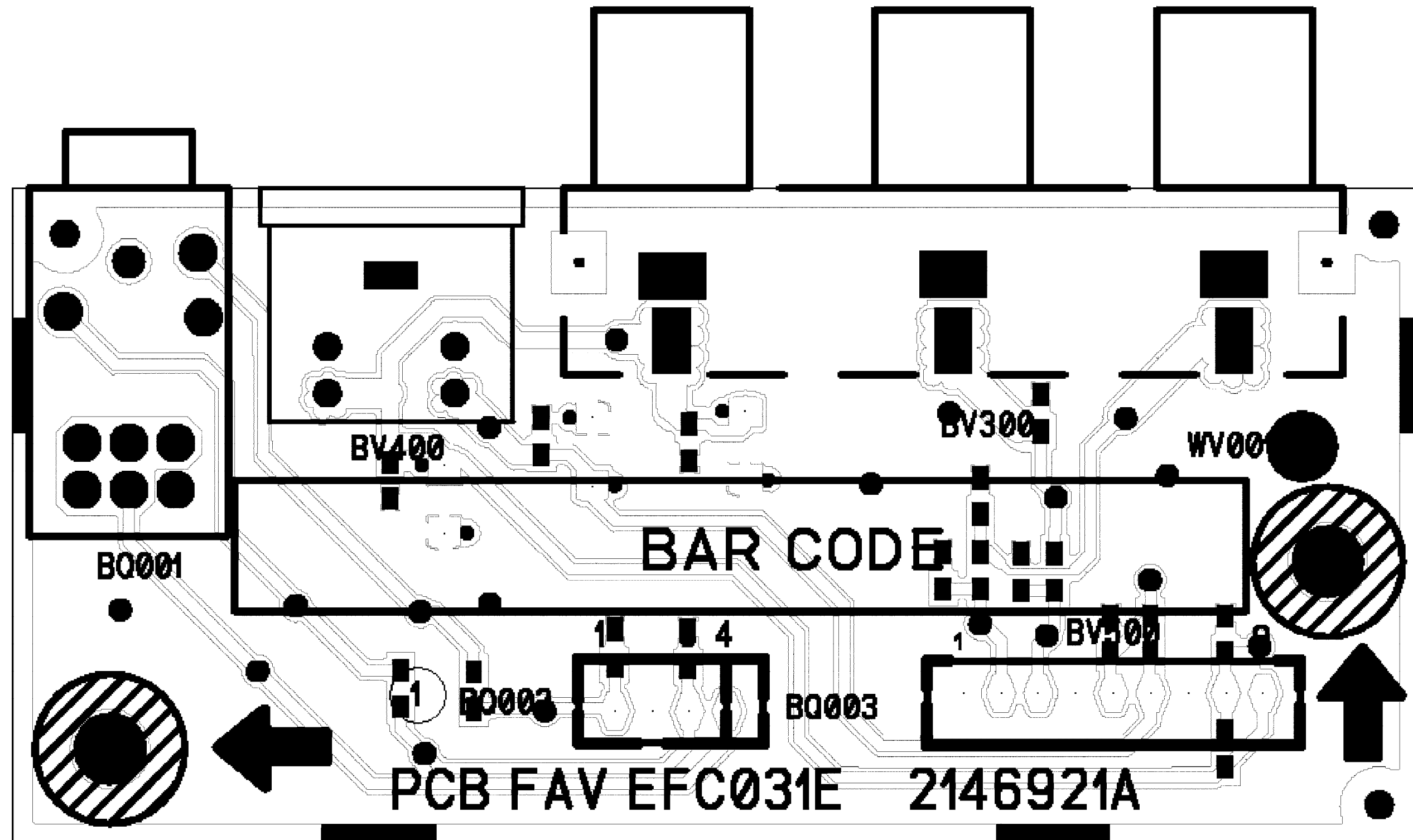
AV Board (Bottom View)



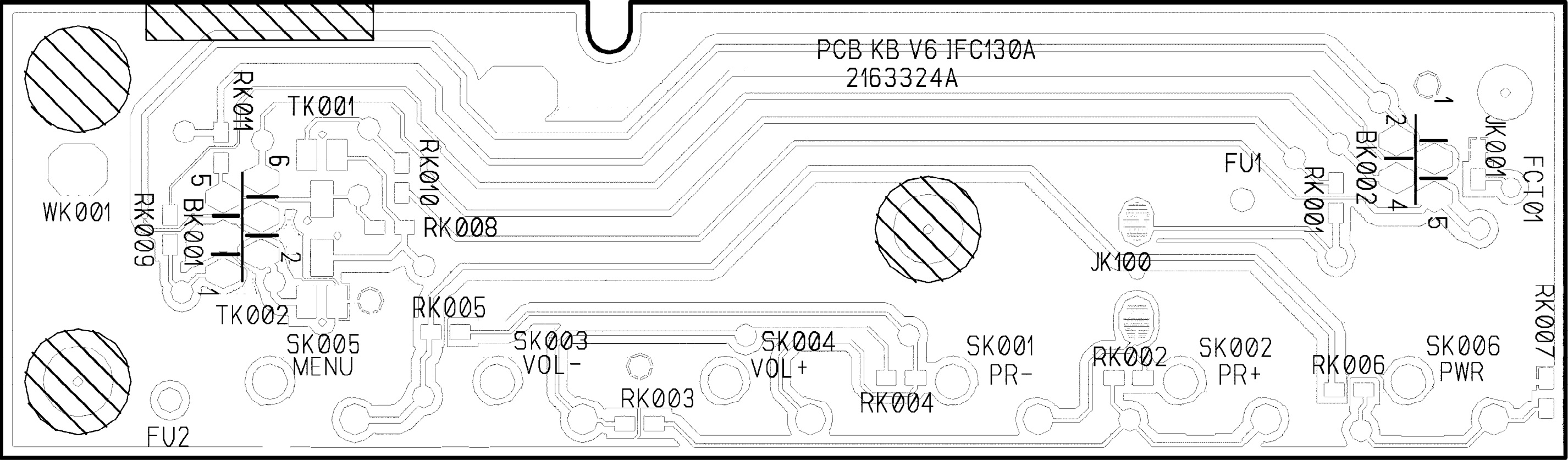
FAV Board (Bottom View)



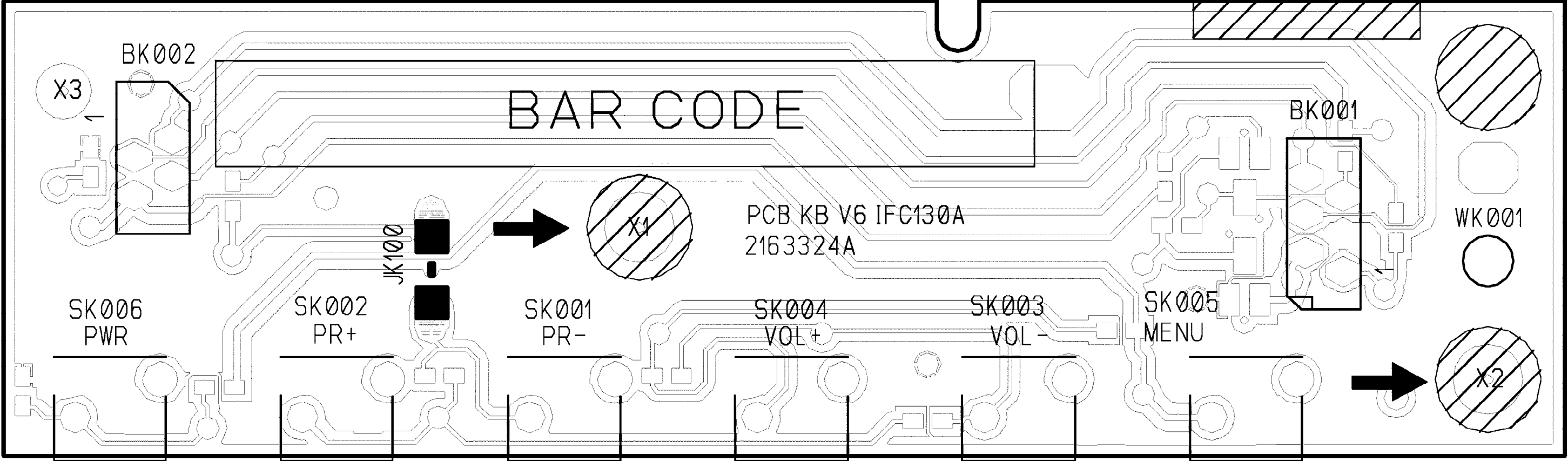
FAV Board (Top View)



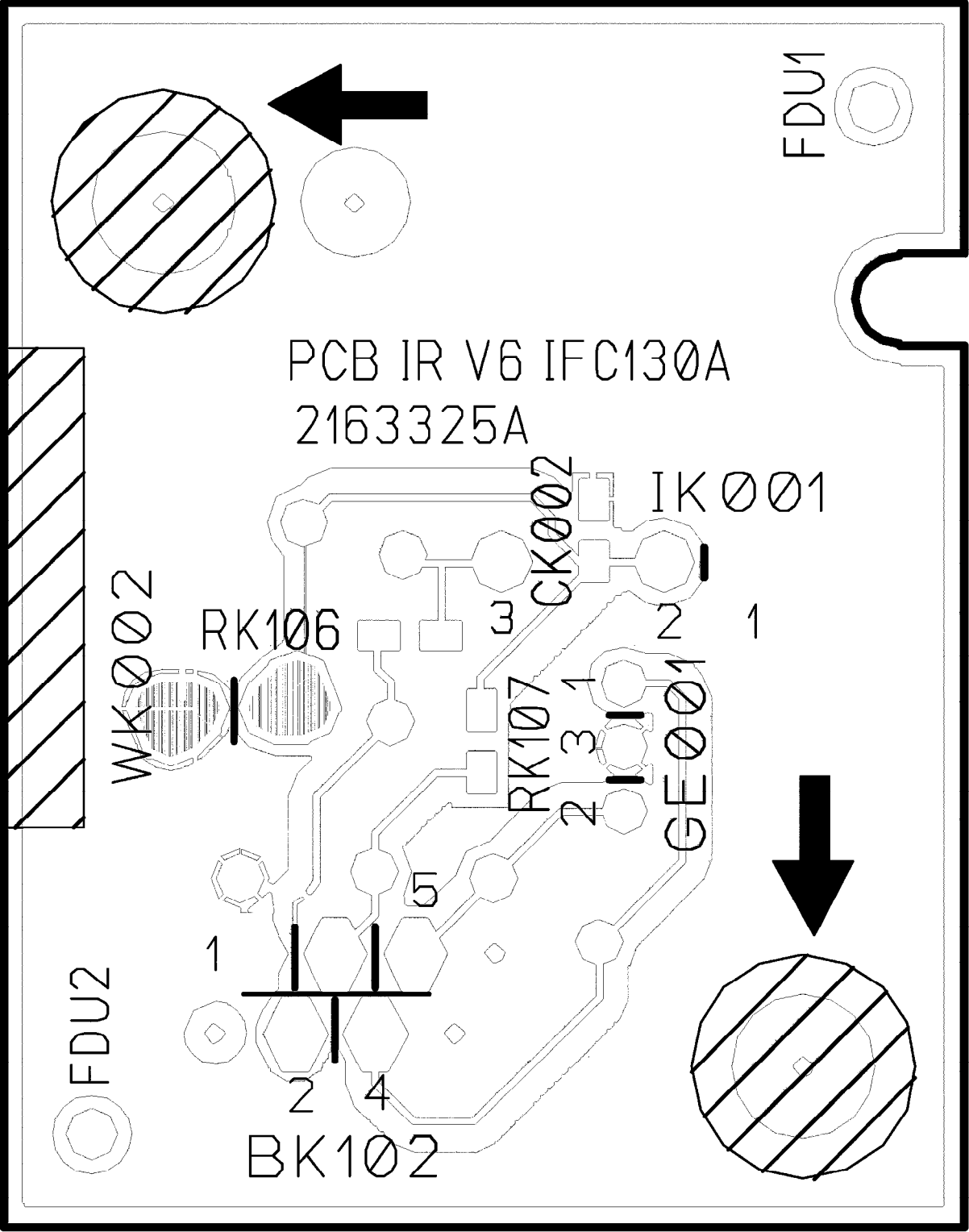
Key Board (Bottom View)



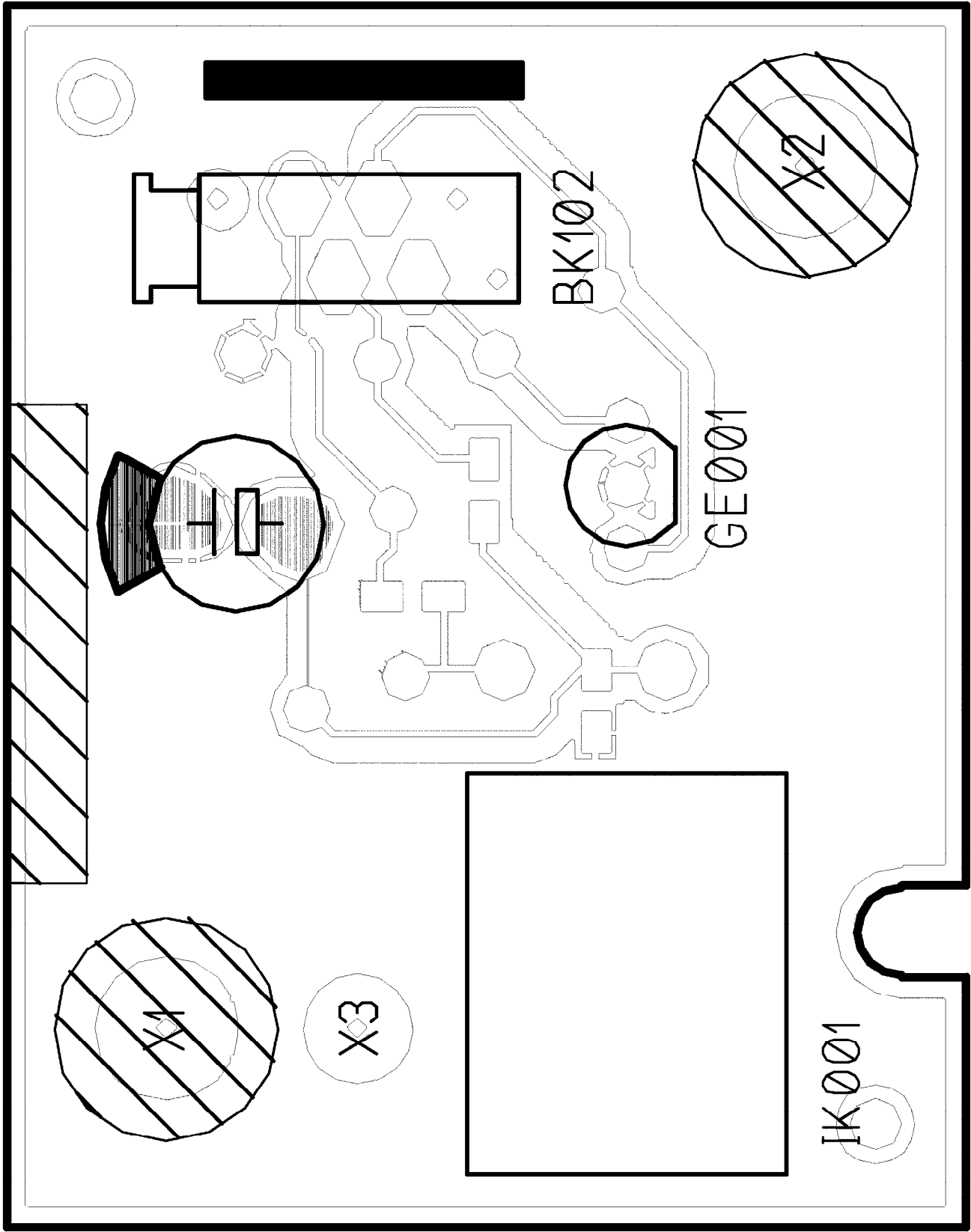
Key Board (Top View)



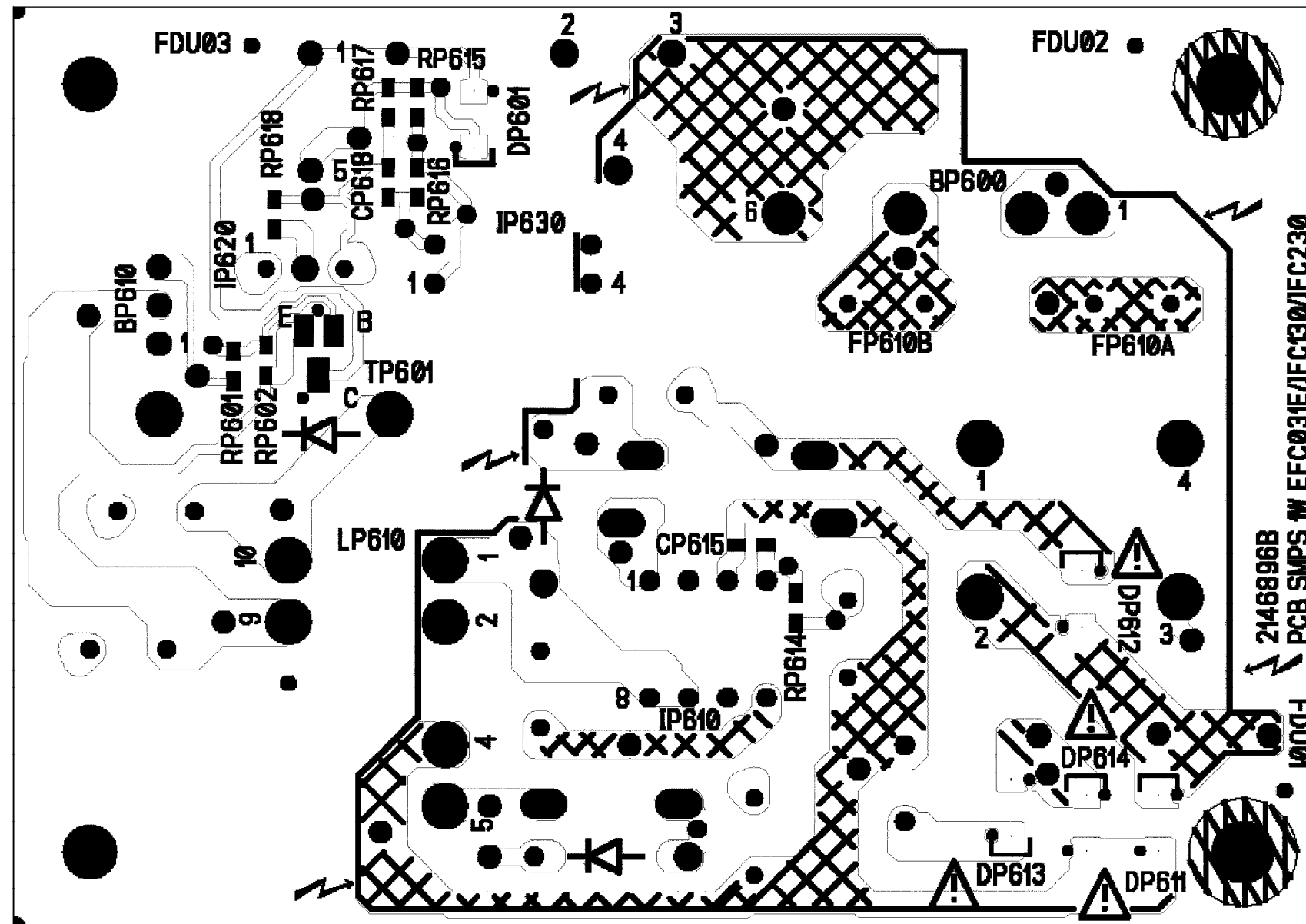
IR Board (Bottom View)



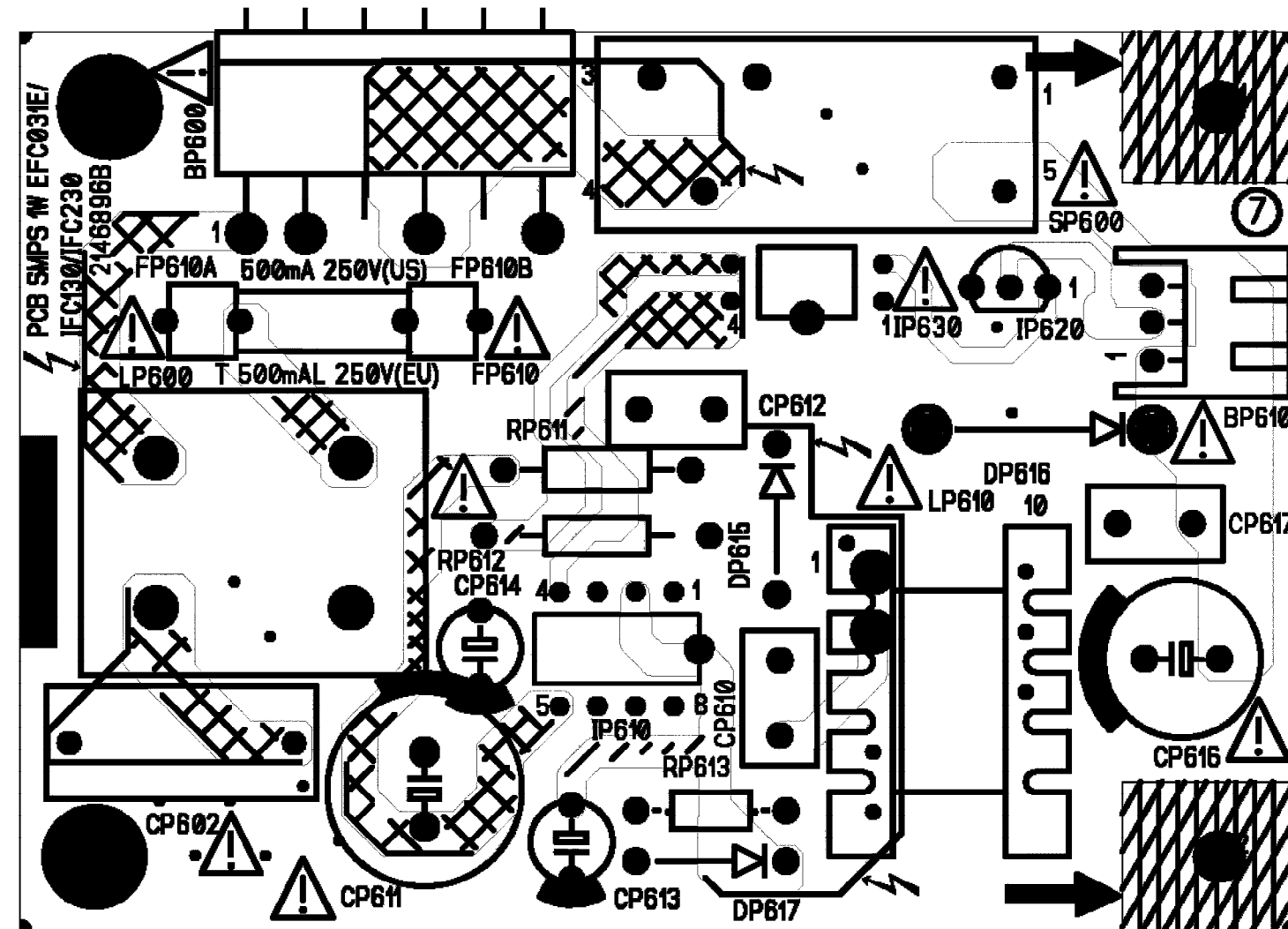
IR Board (Top View)

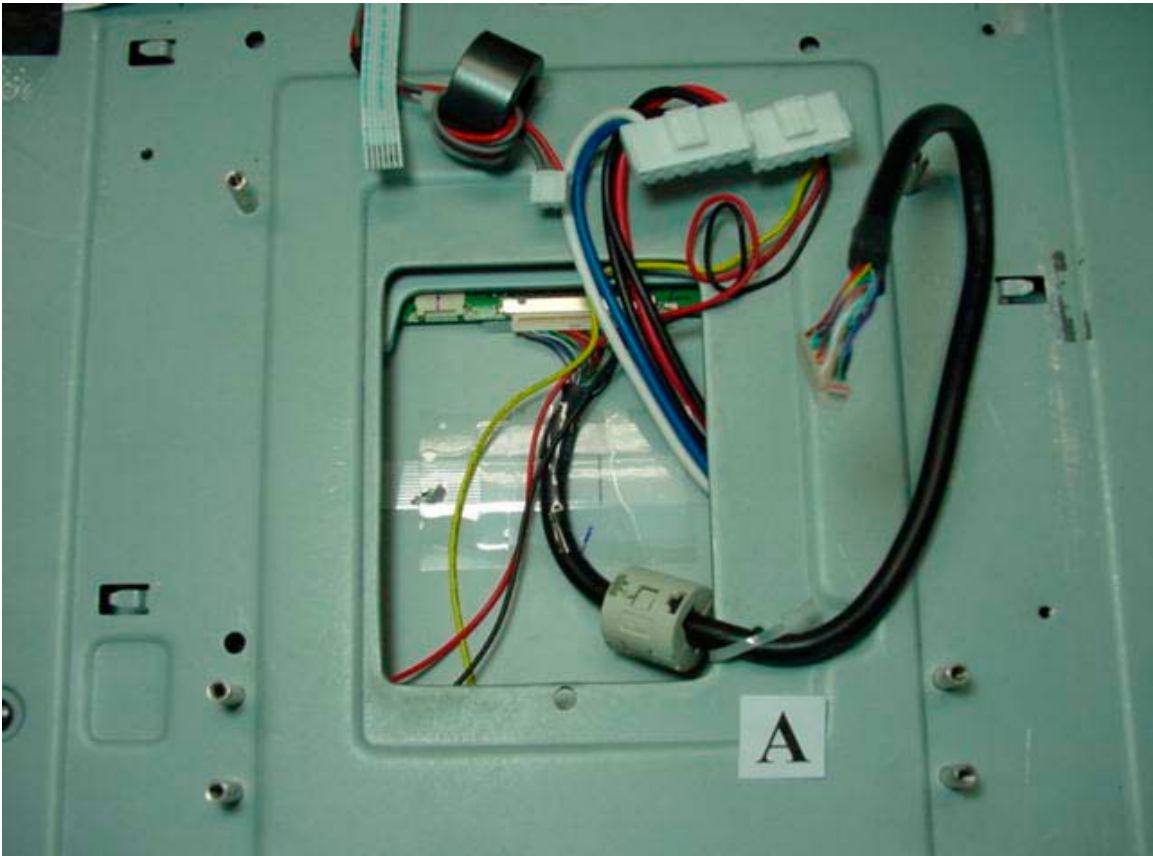
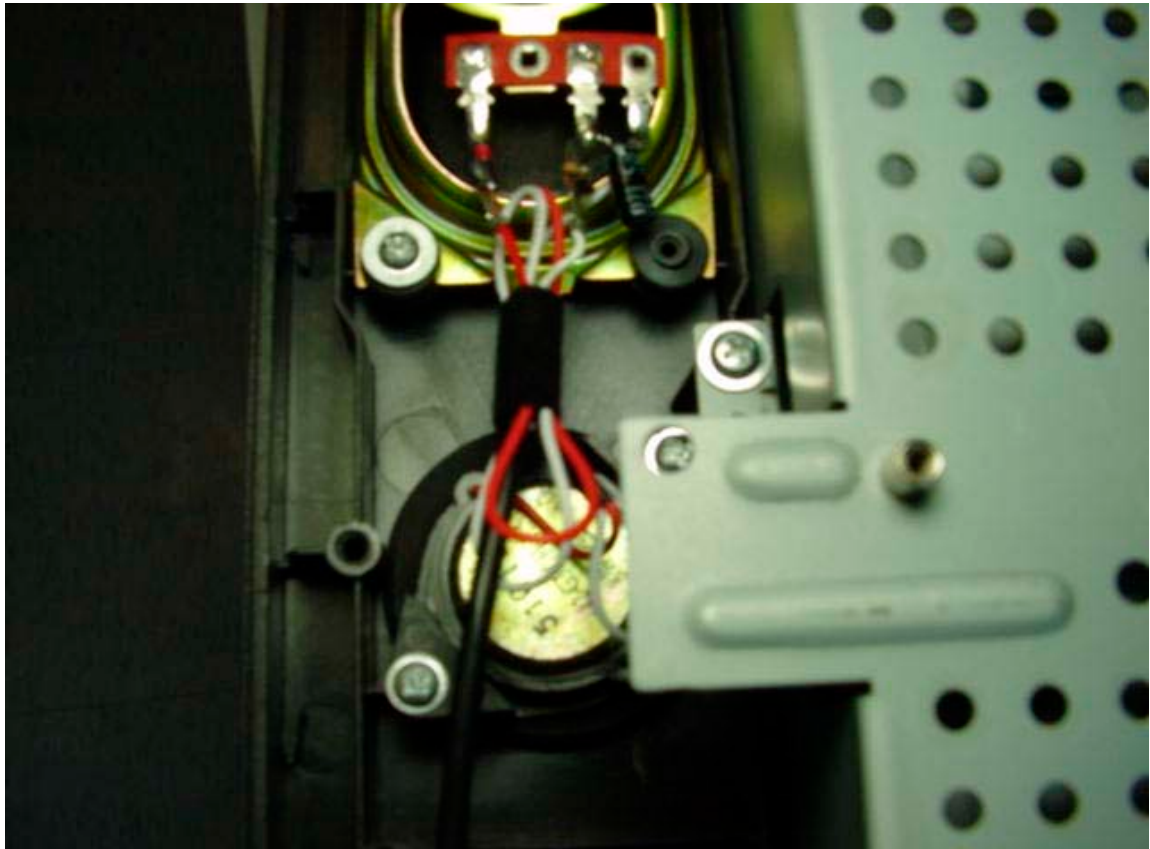
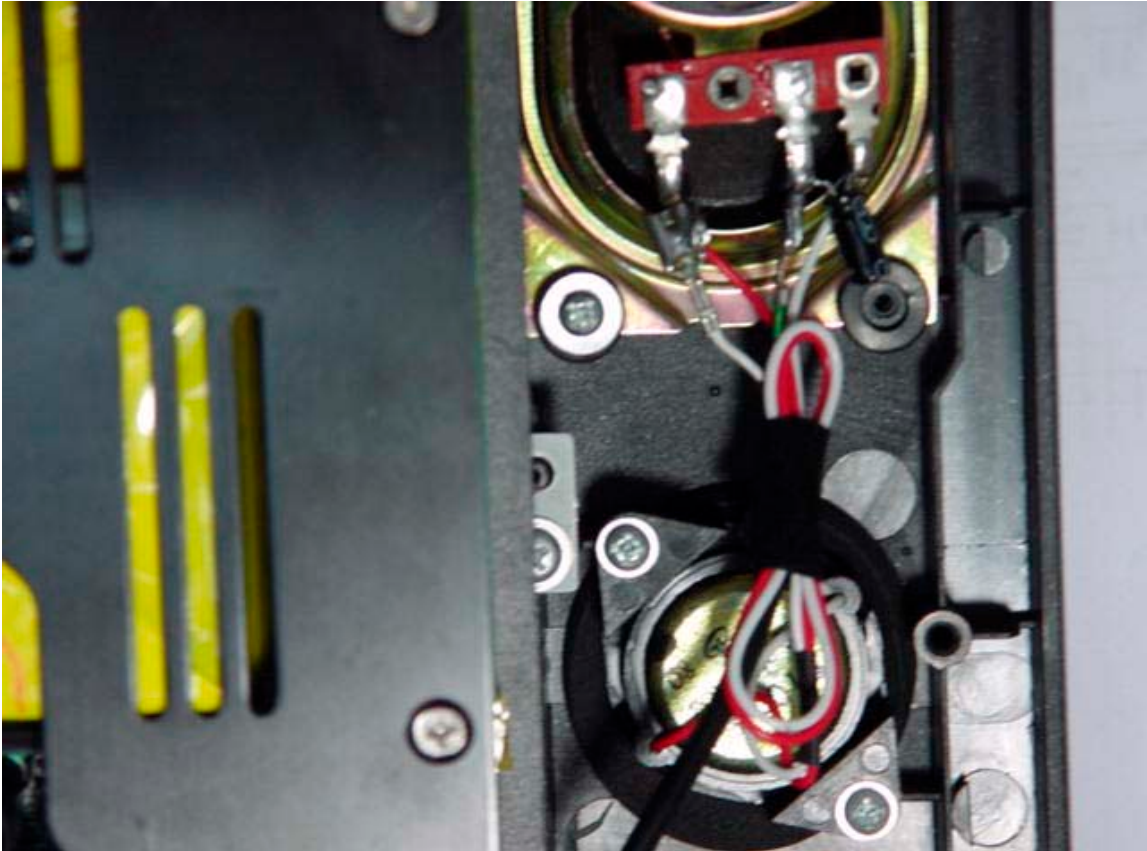


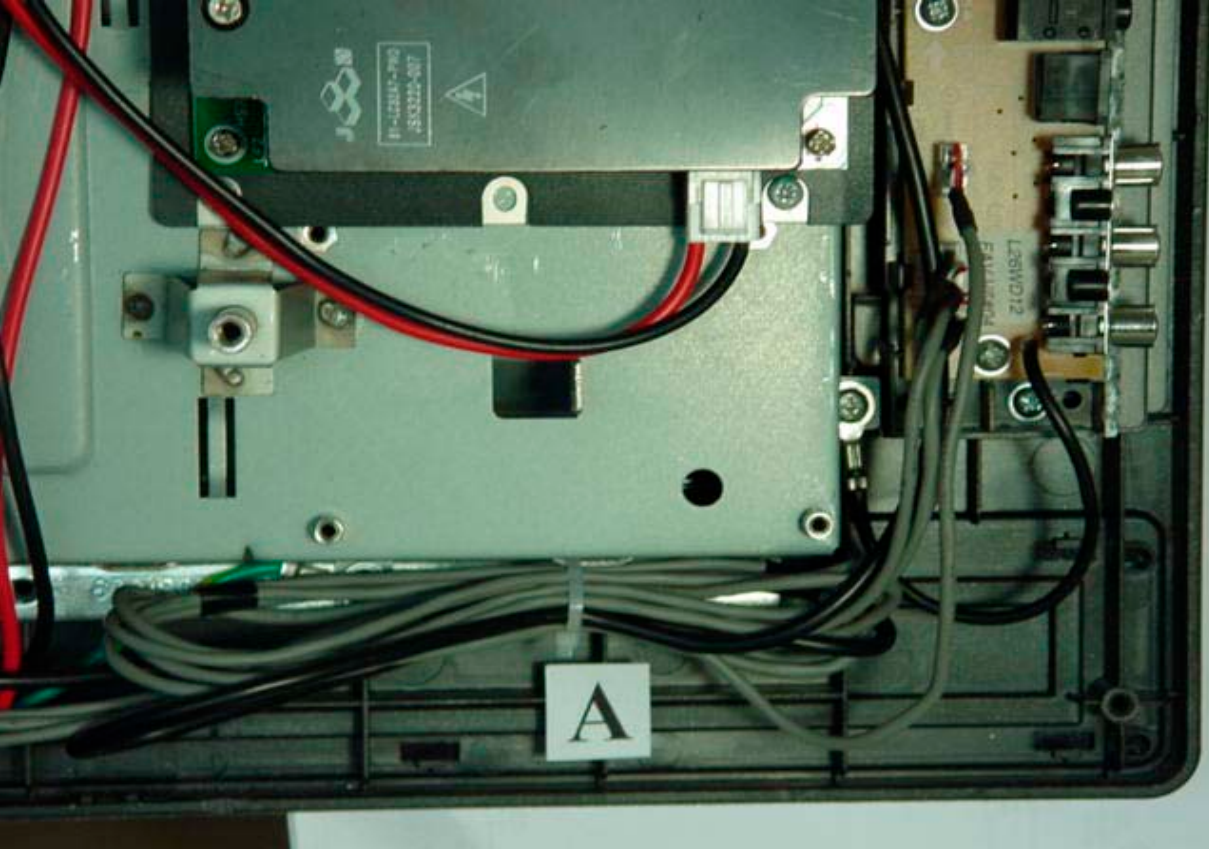
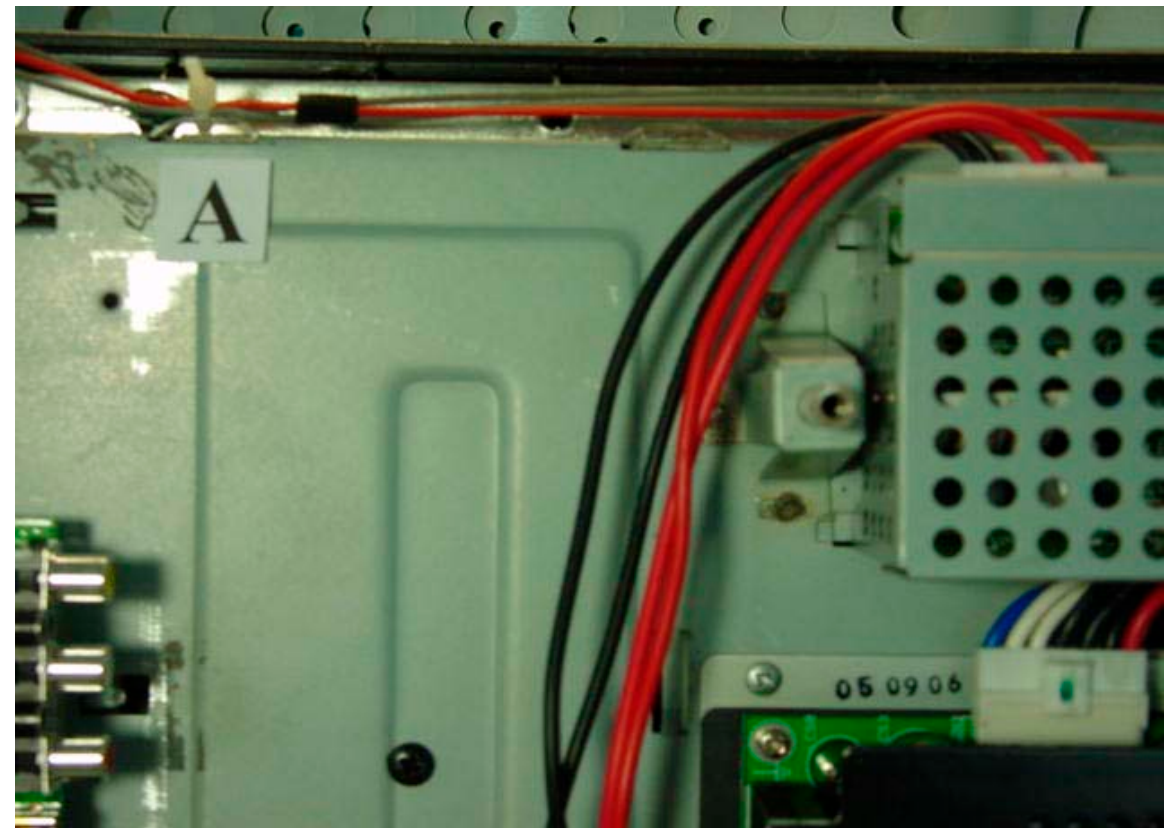
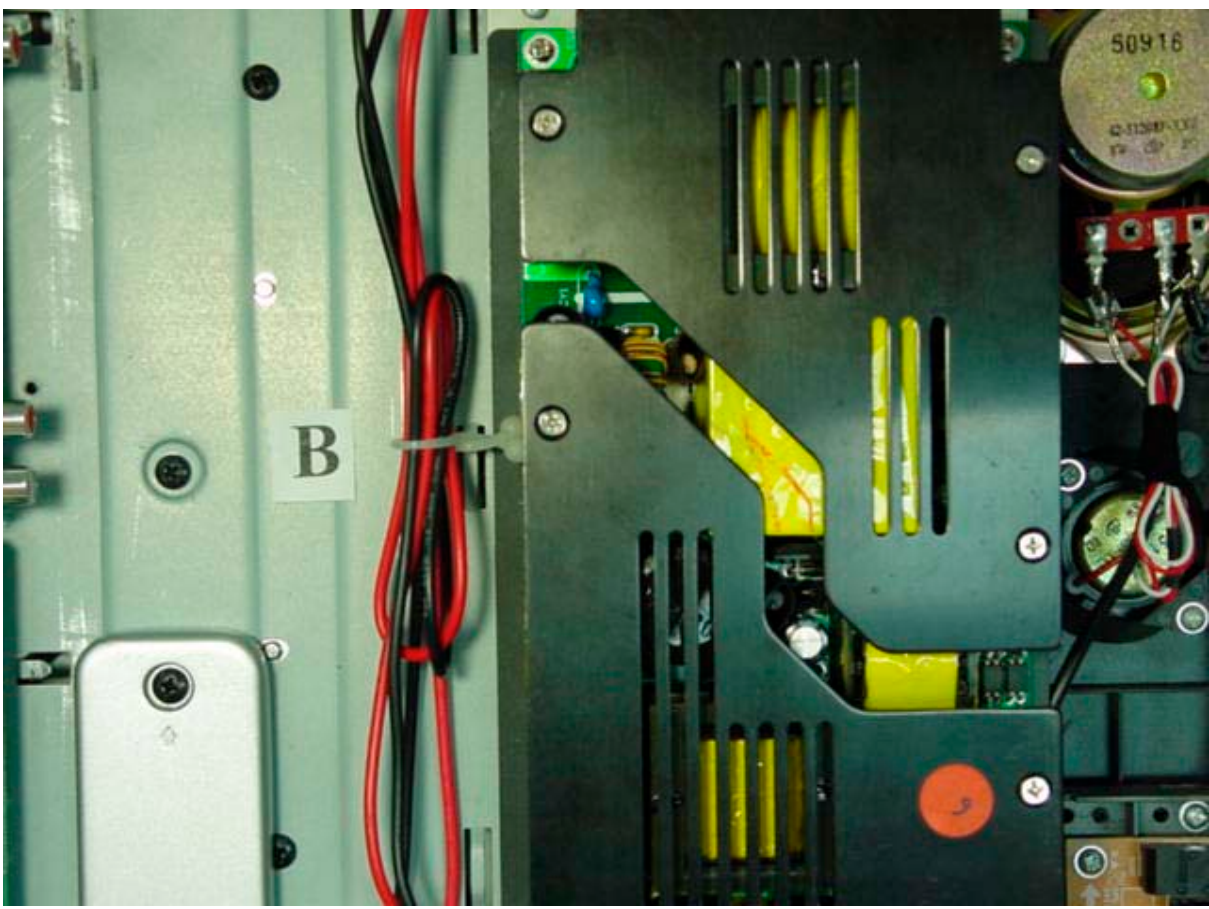
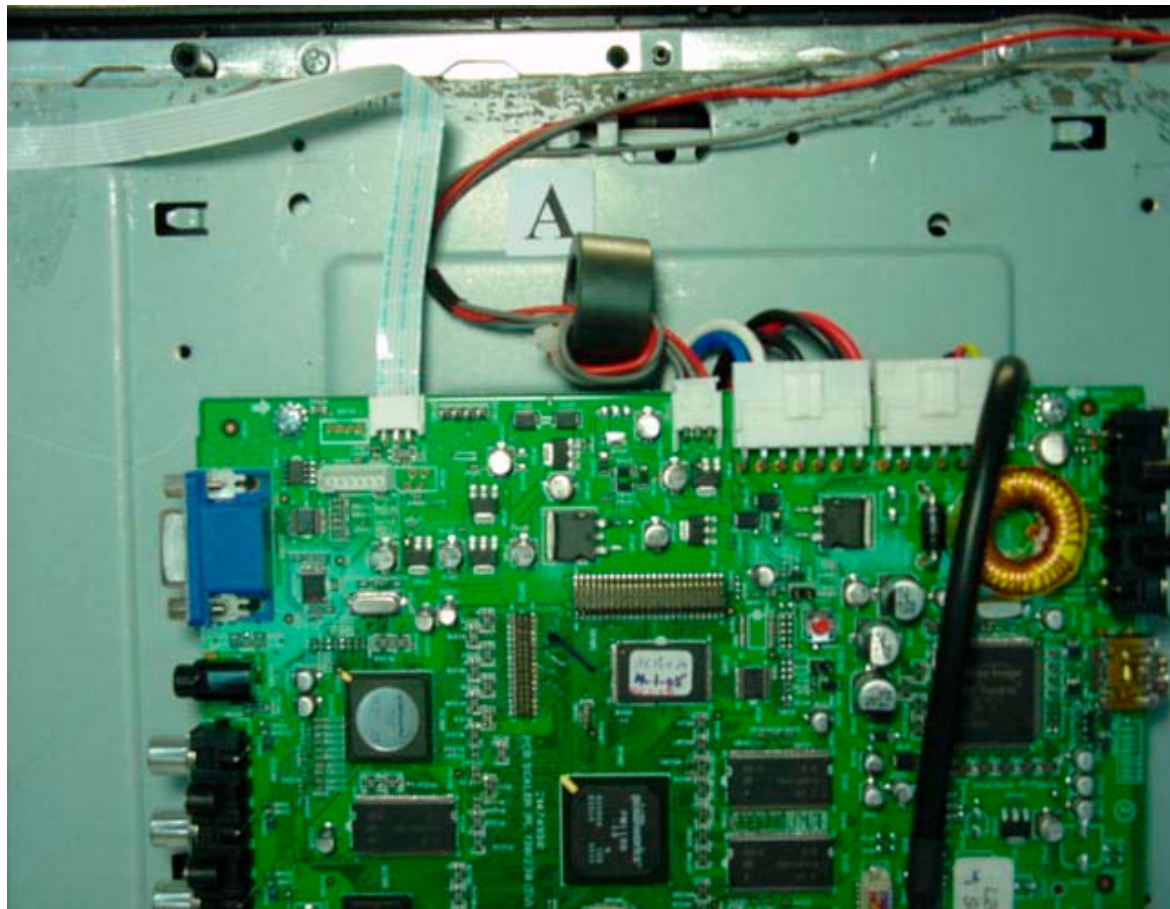
SMPS 1W Board (Bottom View)

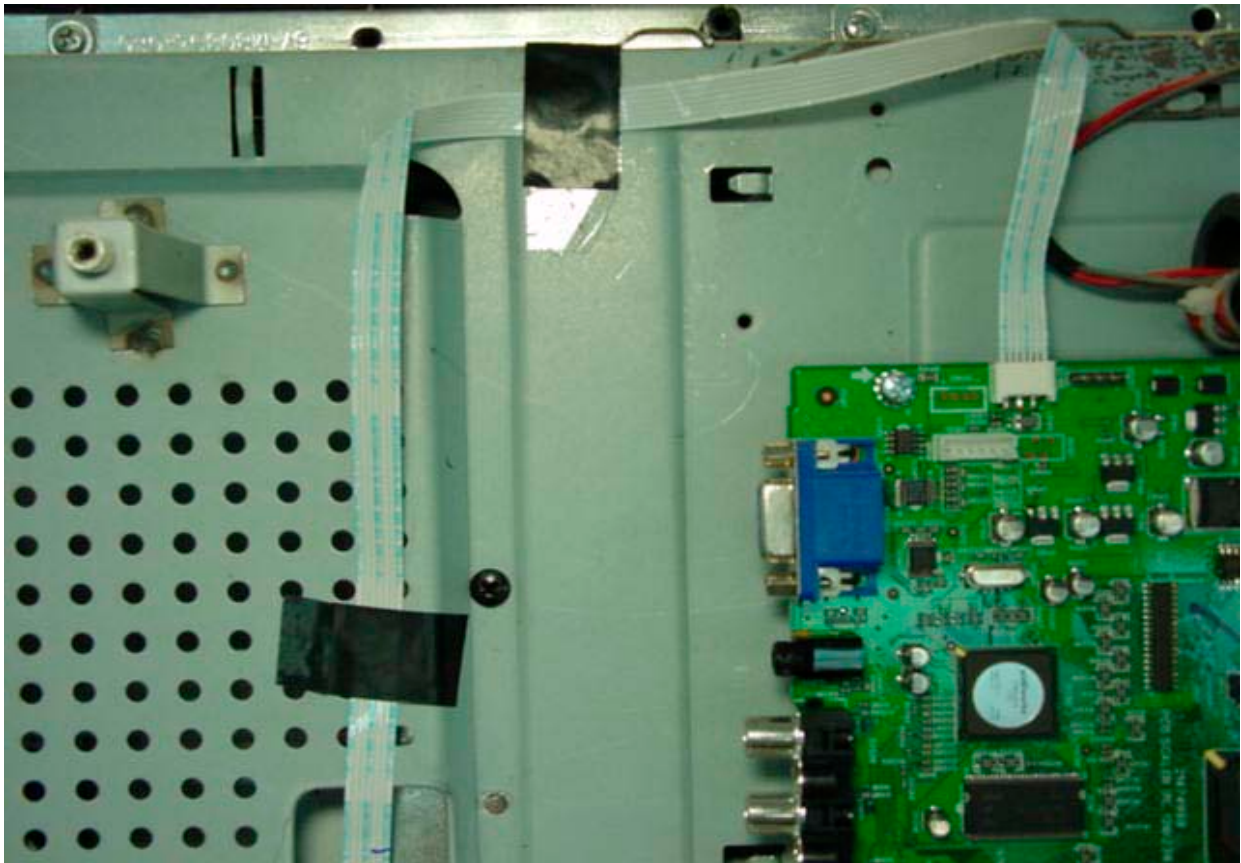
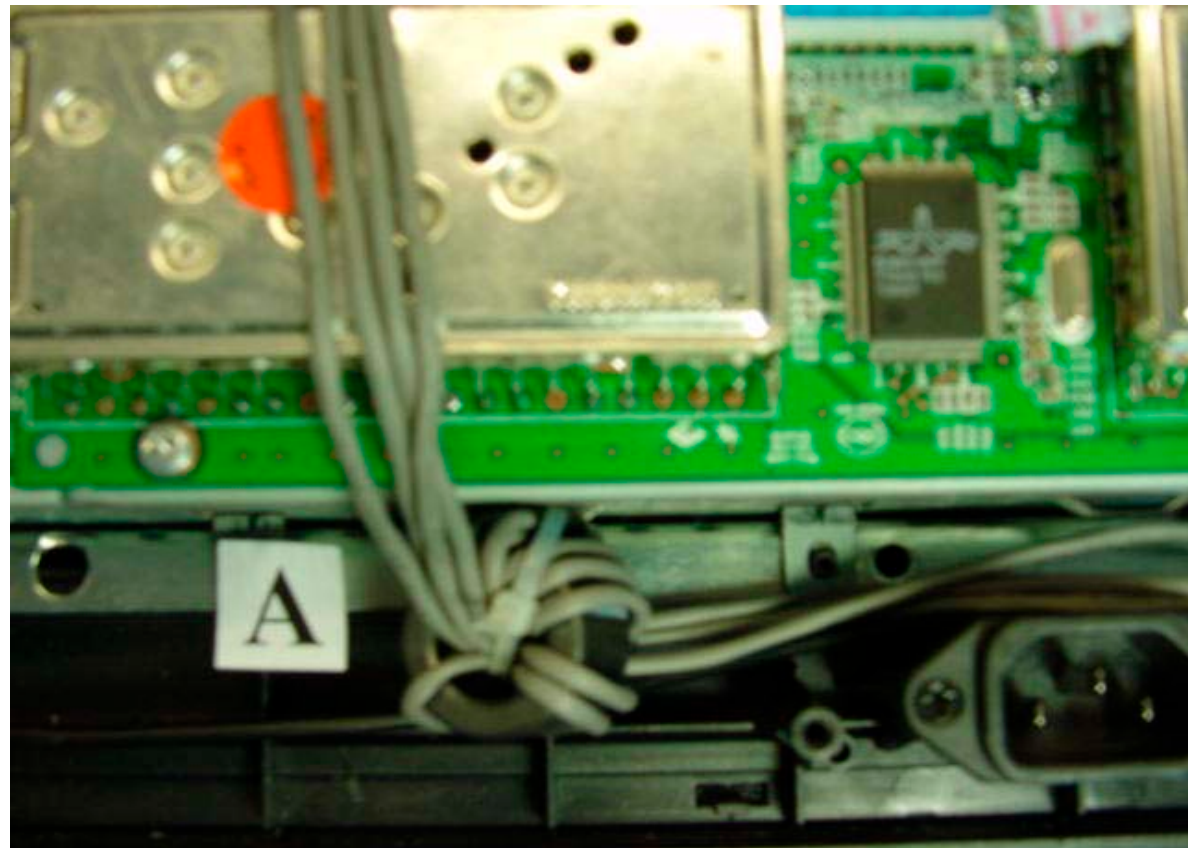
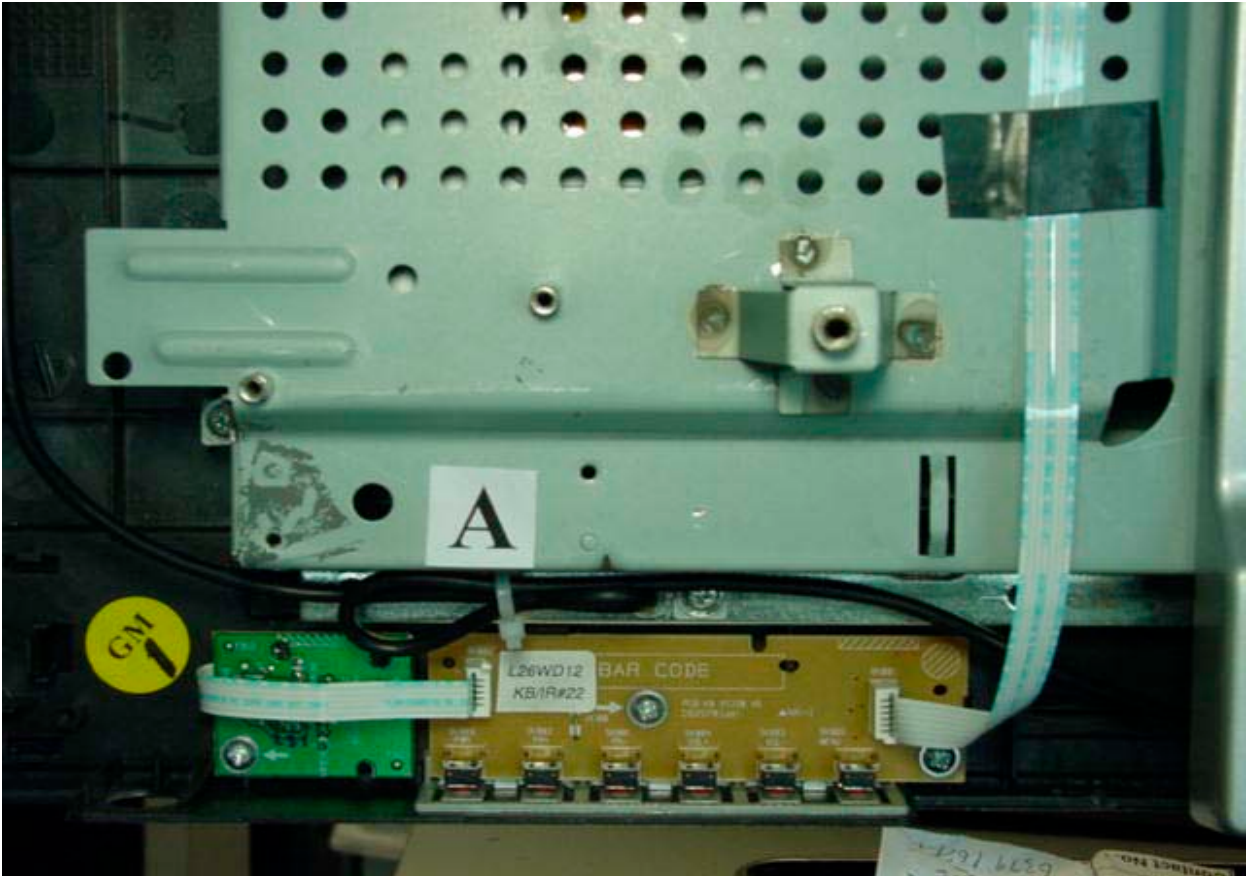
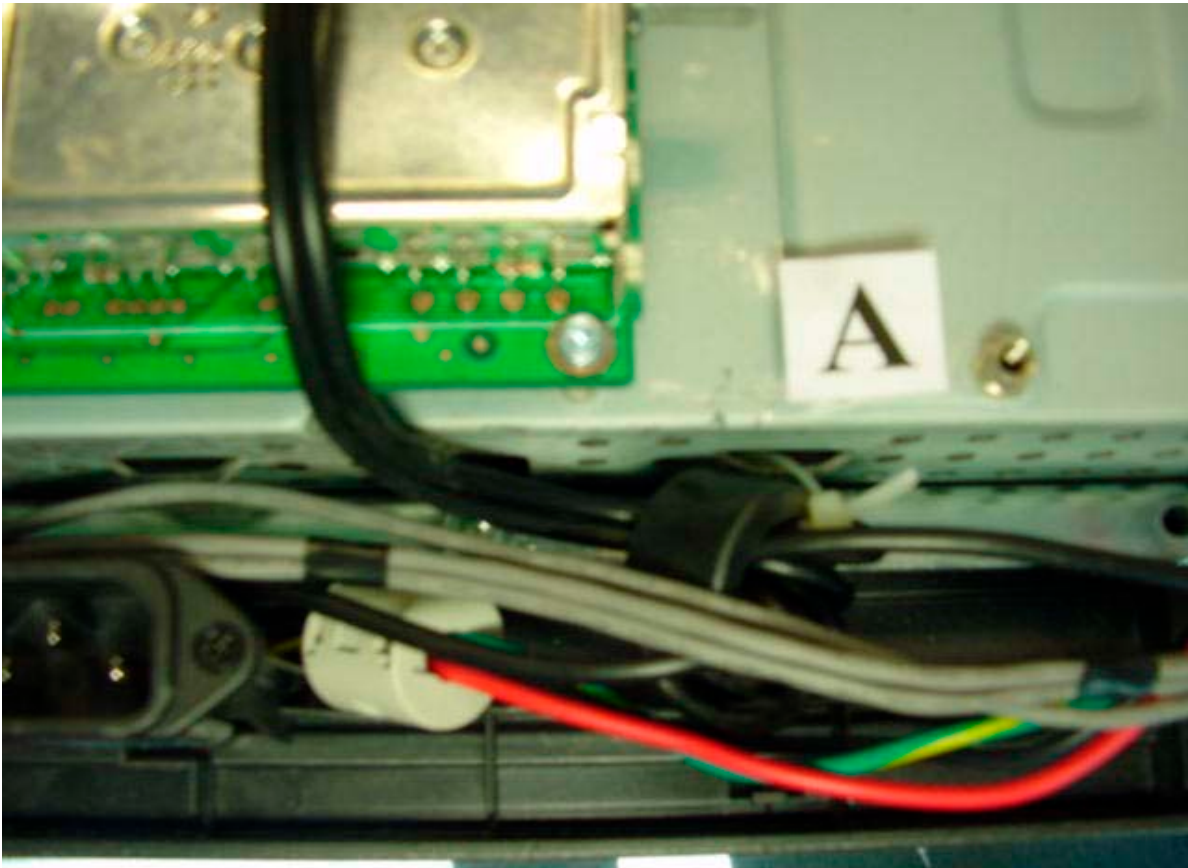


SMPS 1W Board (Top View)







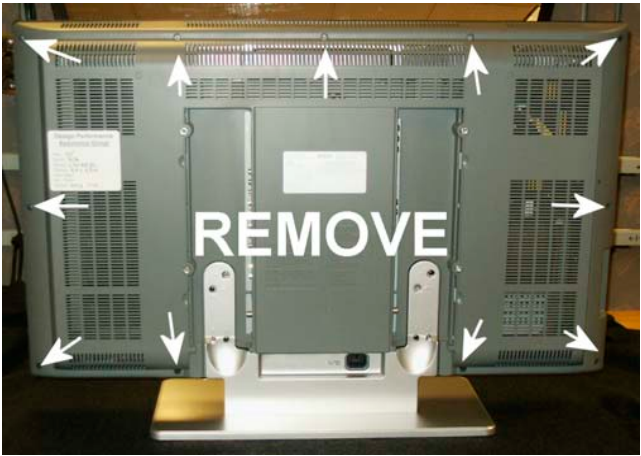




L26WD12/L32WD12
DISASSEMBLY PROCEDURES

Back Cover Removal

- 1. Remove AC power from the instrument.
- 2. Lay the instrument on a flat surface. Care should be taken to not damage the front of the unit.
- 3. Remove doors covering the jack assemblies.
- 4. Remove Base Assembly. Remove 8 Phillips head screws (4 on each side).
- 5. Remove 12 Phillips head screws securing the cabinet back to the instrument.



NOTE: The placement of the screws may vary depending on the cabinet size and style.

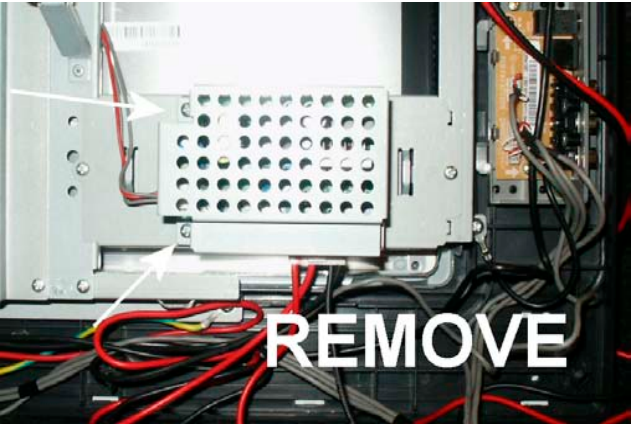
- 6. Carefully remove the back cabinet from the instrument.
- 7. The Base Assembly can now be placed back on the instrument to allow for easier servicing.



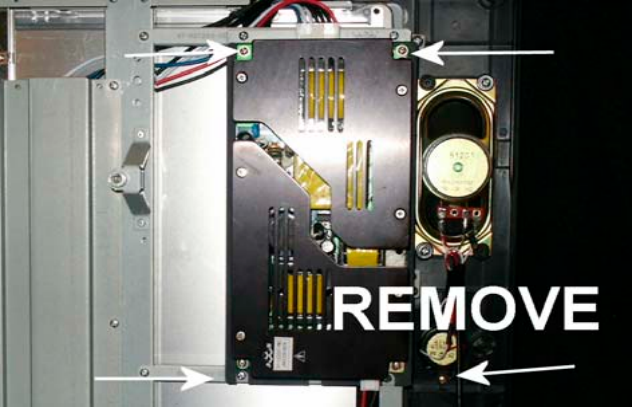
Circuit Board Removal

- 1. Remove Back Cover from the instrument (See Back Cover Removal). Remove AC Power from the instrument before replacing any circuit board

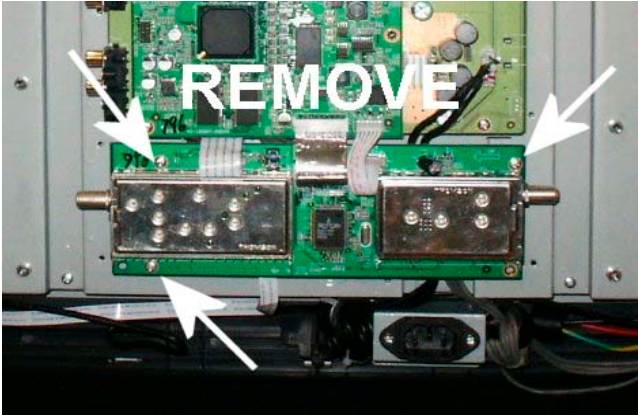
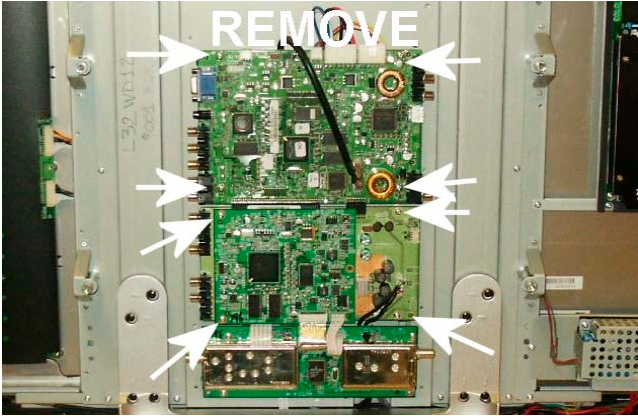
- 2. To replace the 1 Watt SMPS board, first remove 2 Phillips head screws securing the shield covering the circuit board. Then replace the board from 2 standoffs.



- 3. The Main SMPS can be removed 4 Phillips head screws.

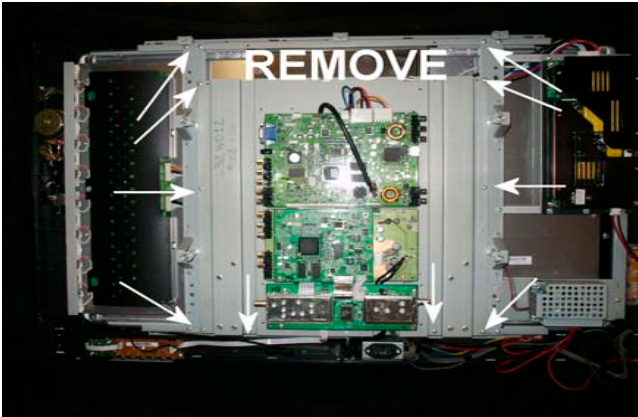


- 4. The FAV, FPA and IR boards can all be removed by removing 2 Phillips head screws on each board.
- 5. To replace the ADM1, QAM, AV or Scaler boards, first remove 4 Phillips head screws securing the shield assembly. Then remove the side rail by removing 2 Phillips head screws. The appropriate board may now be removed by removing the Phillips head screws securing the board to the instrument.



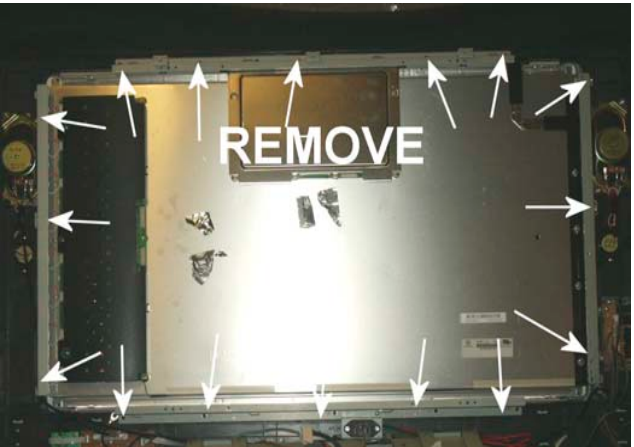
Panel Removal

- 1. Remove Back Cover from the instrument (See Back Cover Removal). Remove AC Power from the instrument before replacing panel.
- 2. Remove 8 Phillips head screws securing the chassis frame.



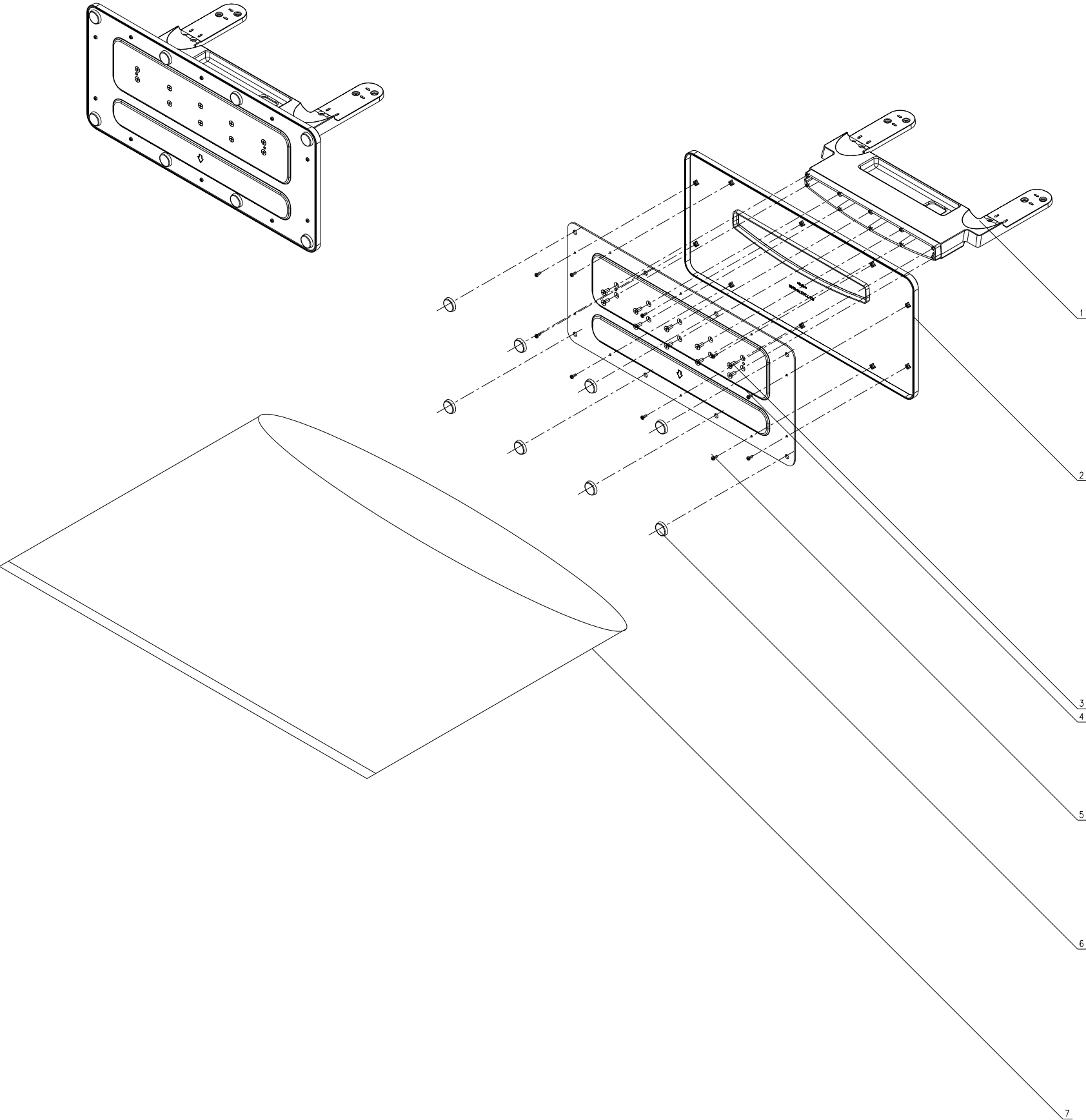
- 3. Carefully disconnect the cable to the panel assembly

- from the other circuit boards and remove the chassis frame for the instrument.
- 4. Remove 16 Phillips head screws securing the panel assembly to the front cabinet assembly. Carefully remove the panel from the instrument.



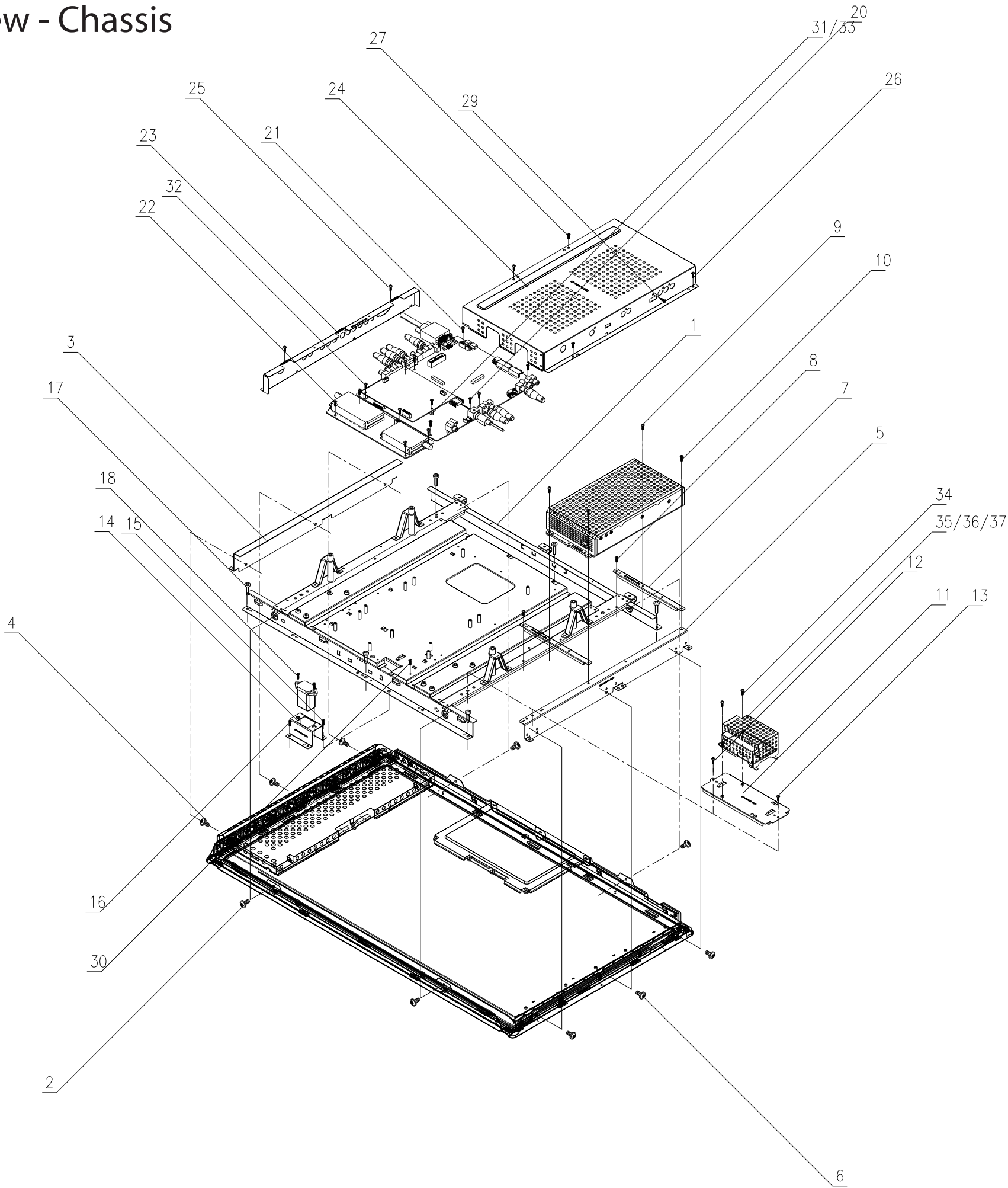
- 5. Replace the panel assembly. Care should be taken to not damage the replacement panel.
- 6. Reassemble is reverse order. Lead dress is critical to ensure proper operation. (See Critical Lead Dress).

Exploded View - Base

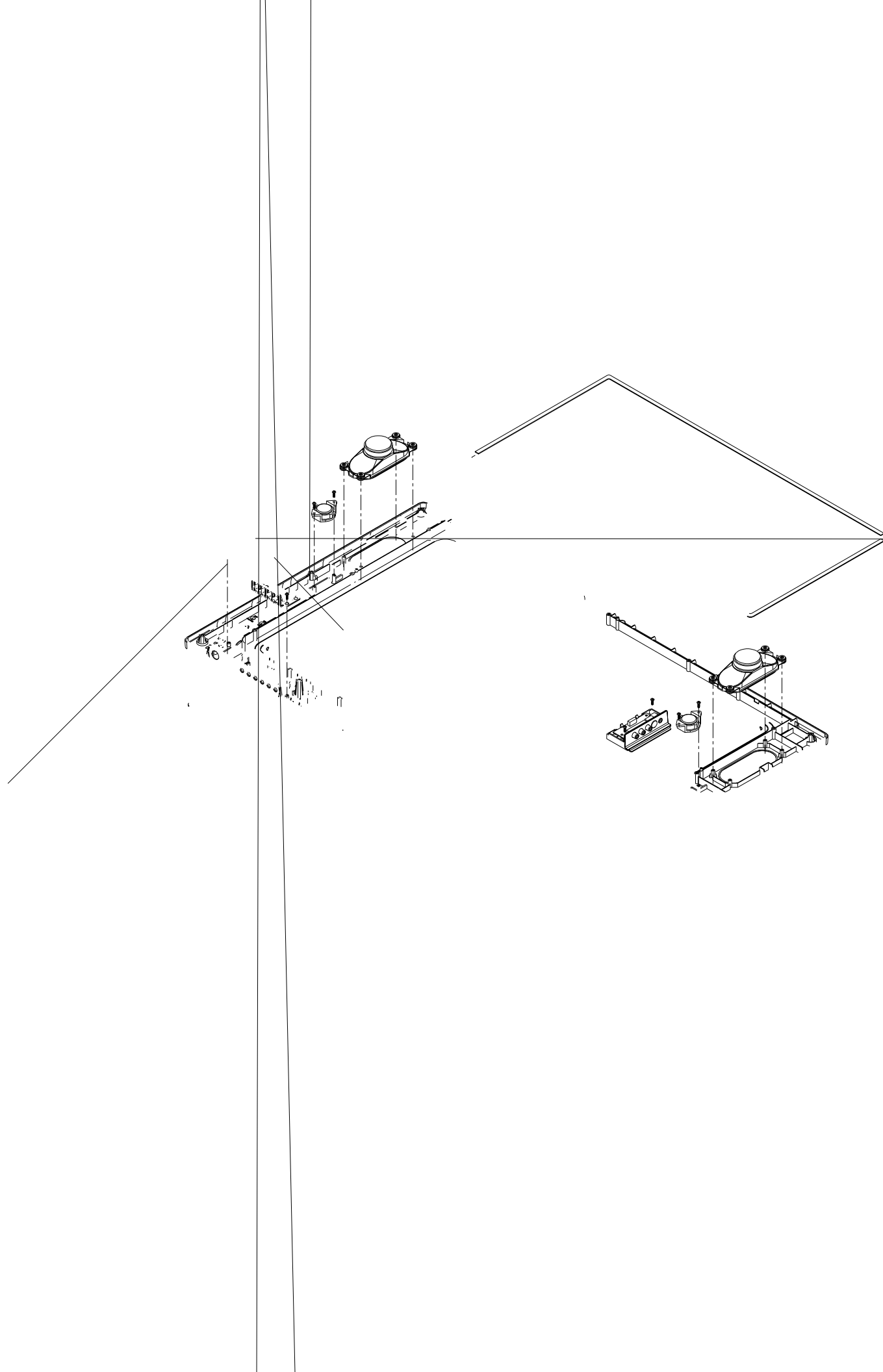


1	67-C72030-0A01A	支撑脚	1	
2	62-720270-0HN1B	底座	1	
3	64-F40120-203	螺钉F4X12	10	底座板+支撑脚
4	67-P72032-1E0	底座板	1	
5	63-B30080-AB3	自攻螺钉B3X8AB	10	底座+底座板
6	57-702250-0HD	主机脚垫	8	
7	74-702320-00C9A	PE包装袋	1	

Exploded View - Chassis

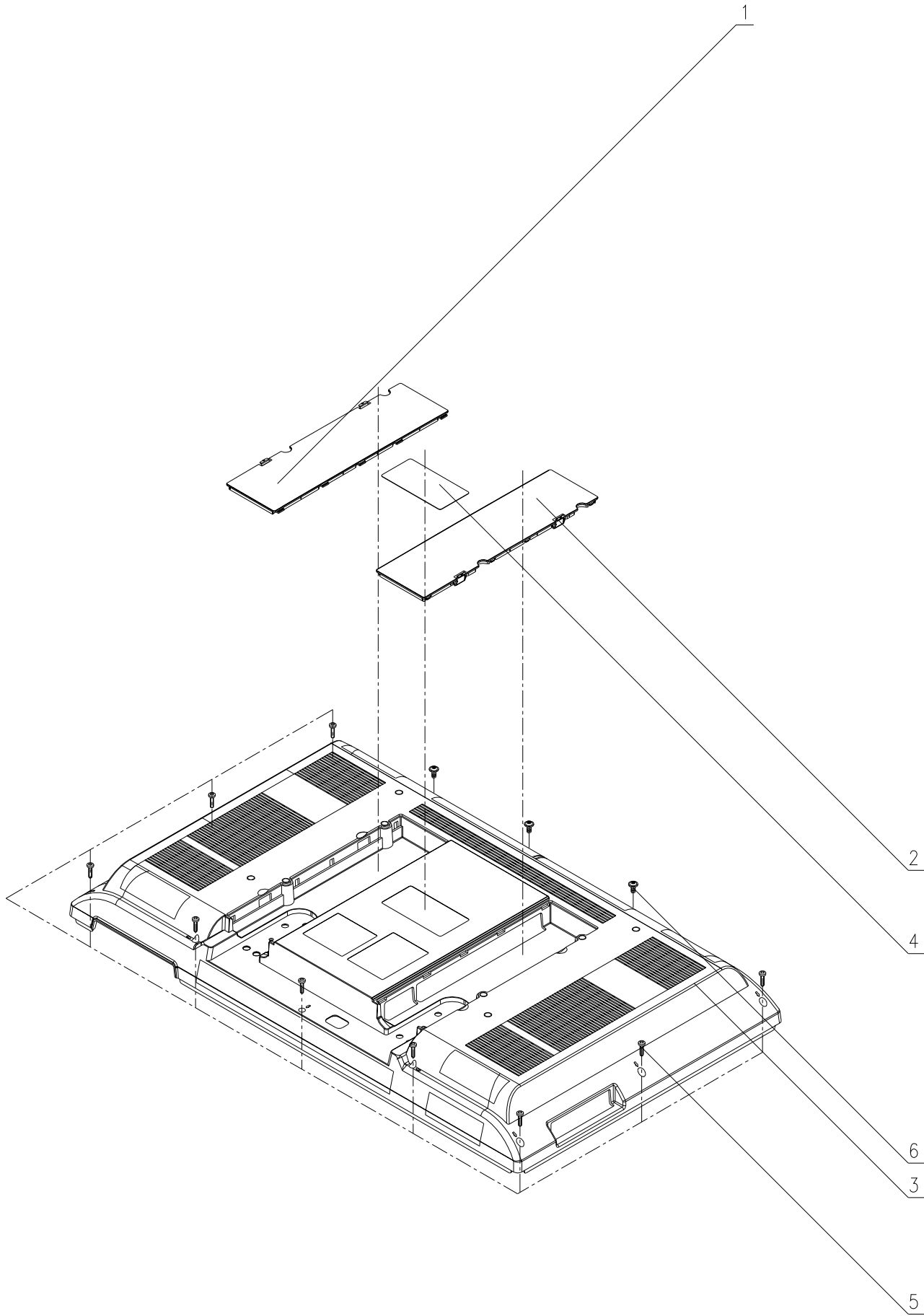


1	68-812060-003	组合大铁架	1	
2	64-B40080-104	螺钉B4X8	4	CMO panel/68-812060-000
3	67-M81147-0E0	左支架	1	
4	64-B40080-104	螺钉B4X8	3	CMO panel/67-M81147-0E0
5	67-M81148-0E0	右支架	1	
6	64-B40080-104	螺钉B4X8	3	CMO panel/67-M81148-0E0
7	67-M81266-0E0	电源支架	2	
8	64-B30060-104	机制螺钉B3X6	2	67-M81266-0E0/68-812060-000
9	64-B30080-104	机制螺钉B3X8	2	电源/67-M81266-0E0
10	64-B30080-104	机制螺钉B3X8	2	电源/67-M81148-0E0
11	67-M81619-0E0	1瓦电源支架	1	
12	64-B30060-104	机制螺钉B3X6	1	67-M81619-0E0/68-812060-000
13	64-B30060-104	机制螺钉B3X6	1	67-M81619-0E0/67-M81148-0E0
14	67-M72031-0E0	电源插座支架	1	
15	64-B30060-104	机制螺钉B3X6	1	67-M72031-0E0/68-812060-000
16	63-B30100-AB4	自攻螺钉B3X10AB	1	55-720250-0UA/67-M72031-0E0
17	63-B40150-AB4	S/TSCREWB4X15AB	12	面壳/其它部分
18	64-F30100-104	M/CSCREWF3x10	2	67-M72031-0E0/AC插座
19	57-10654X-00F	扎线扣	8	
20	64-B30060-104	机制螺钉B3X6	2	模拟板/68-812060-000
21	64-B30060-104	机制螺钉B3X6	4	数字板/68-812060-000
22	64-B30060-104	机制螺钉B3X6	5	高频板/68-812060-000
23	67-M81474-0E0	端子条	1	
24	67-S81475-0E0	屏蔽罩	1	
25	64-B30060-104	机制螺钉B3X6	2	67-M81474-0E0/68-812060-000
26	64-B30060-104	机制螺钉B3X6	2	67-S81475-0E0/68-812060-000
27	64-B30060-104	机制螺钉B3X6	2	67-M81474-0E0/67-S81475-0E0
28				
29	64-B30060-104	机制螺钉B3X6	1	for hdm1
30	64-B30060-104	机制螺钉B3X6	1	for 地线
31	65-Z30050-23M	M3螺母	1	for DVT
32	64-B30060-104	机制螺钉B3X6	3	for DVT
33	66-366850-0B0	铜螺母	3	for DVT
34	64-B30060-104	机制螺钉B3X6	2	for 1瓦电源
35	67-T21447-07A	1W电源屏蔽罩	1	for 1瓦电源
36	57-KYRBS0-000	PCB间隔柱	2	for 1瓦电源
37	54-T21455-68A	绝缘胶片	1	for 1瓦电源



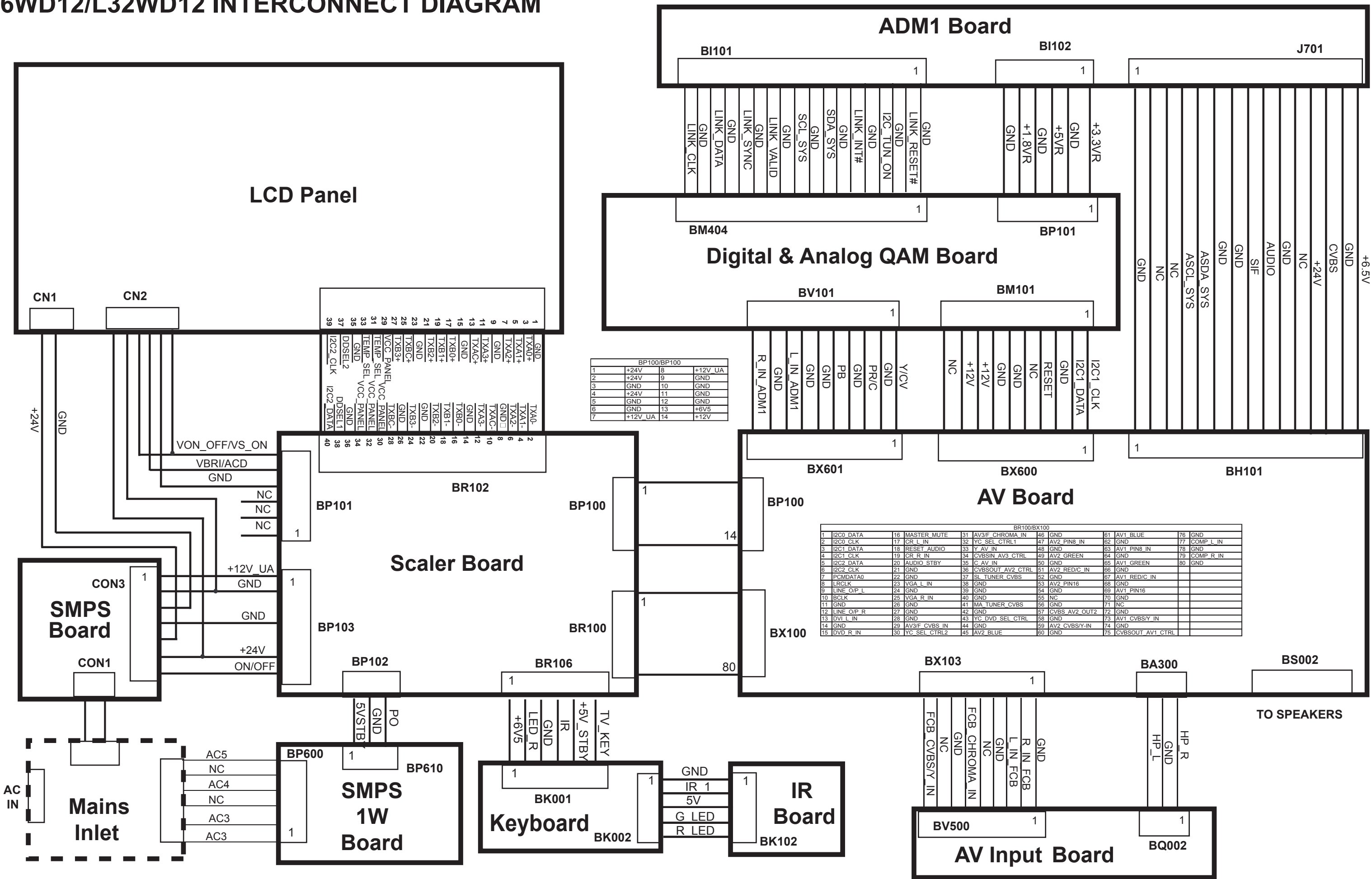
1	54-805890-0U0/1U0		2/2	
2	63-B30080-AB4	自攻螺钉B3X8AB	4	
3	63-B30100-AB4	自攻螺钉B3X10AB	4	55-720250-0UA/42-G3508F-XX2
4			2	
5			2	55-720250-0UA/62-718160-1HA
6	55-720250-0UN1E	前壳	1	
7	58-806020-0UI1A	按钮贴片	1	

Exploded View - Rear Cabinet



1	55-814360-0HN1A	端子盖板	1	
2	55-814360-1HN1A	端子盖板	1	
3	55-814290-0UN1A	后壳	1	
4	58-L32WMP-0U11B	后警告胶片	1	
5	63-B40150-AB3	螺钉B4X15AB(BLACK)	9	面壳+控制板
6	64-B40080-103	机制螺钉M4X8	3	面壳+控制板

L26WD12/L32WD12 INTERCONNECT DIAGRAM



BP100/BP100			
1	+24V	8	+12V UA
2	+24V	9	GND
3	GND	10	GND
4	+24V	11	GND
5	GND	12	GND
6	GND	13	+6V5
7	+12V UA	14	+12V

BR100/BX100															
1	I2C0 DATA	16	MASTER MUTE	31	AV3/F CHROMA IN	46	GND	61	AV1 BLUE	76	GND				
2	I2C0 CLK	17	CR L IN	32	YC SEL CTRL1	47	AV2 PIN8 IN	62	GND	77	COMP L IN				
3	I2C1 DATA	18	RESET AUDIO	33	Y AV IN	48	GND	63	AV1 PIN8 IN	78	GND				
4	I2C1 CLK	19	CR R IN	34	CVBSIN AV3 CTRL	49	AV2 GREEN	64	GND	79	COMP R IN				
5	I2C2 DATA	20	AUDIO STBY	35	C AV IN	50	GND	65	AV1 GREEN	80	GND				
6	I2C2 CLK	21	GND	36	CVBSOUT AV2 CTRL	51	AV2 RED/C IN	66	GND						
7	PCMDATA0	22	GND	37	SL TUNER CVBS	52	GND	67	AV1 RED/C IN						
8	LRCLK	23	VGA L IN	38	GND	53	AV2 PIN16	68	GND						
9	LINE O/P L	24	GND	39	GND	54	GND	69	AV1 PIN16						
10	BCLK	25	VGA R IN	40	GND	55	NC	70	GND						
11	GND	26	GND	41	MA TUNER CVBS	56	GND	71	NC						
12	LINE O/P R	27	GND	42	GND	57	CVBS AV2 OUT2	72	GND						
13	DVI L IN	28	GND	43	YC DVD SEL CTRL	58	GND	73	AV1 CVBS/Y IN						
14	GND	29	AV3/F CVBS IN	44	GND	59	AV2 CVBS/Y-IN	74	GND						
15	DVD R IN	30	YC SEL CTRL2	45	AV2 BLUE	60	GND	75	CVBSOUT AV1 CTRL						

L26WD12/L32WD12
VOLTAGE CHARTS
ADM1 BOARD

BI101			BI102			J701	
PIN #	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS
1	0.0		1	3.2		1	0.0
2	3.2		2	0.0		2	0.0
3	0.0		3	4.9		3	0.0
4	0.0		4	0.0		4	3.2
5	0.0		5	1.7		5	3.2
6	3.2		6	0.0		6	0.0
7	0.0					7	0.0
8	3.3					8	4.1
9	0.0					9	2.4
10	3.3					10	0.0
11	3.0					11	0.0
12	0.0					12	0.0
13	0.0					13	0.75
14	0.0					14	0.0
15	0.0					15	6.1
16	0.0						
17	0.0						
18	1.5						

AV BOARD

BA300			BH101			BP100			BS002			BX100										
PIN #	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS
1	0.0		1	0.0		1	23.9		1	11.9		1	3.2		26	0.0		51	0.0		76	0.0
2	0.0		2	0.0		2	23.9		2	11.9		2	3.2		27	0.0		52	0.0		77	0.0
3	0.0		3	0.0		3	0.0		3	0.0		3	2.6		28	0.0		53	0.0		78	0.0
			4	3.2		4	23.9		4	0.0		4	2.7		29	0.0		54	0.0		79	0.0
			5	3.2		5	0.0		5	11.9		5	3.2		30	3.2		55	0.0		80	0.0
			6	0.0		6	0.0		6	11.9		6	3.2		31	0.0		56	0.0			
			7	0.0		7	11.8					7	0.0		32	0.0		57	1.1			
			8	4.1		8	11.8					8	0.0		33	0.0		58	0.0			
			9	2.4		9	11.8					9	0.0		34	0.0		59	0.0			
			10	0.0		10	0.0					10	0.0		35	0.0		60	0.0			
			11	0.0		11	0.0					11	0.0		36	0.0		61	0.0			
			12	0.0		12	0.0					12	0.0		37	0.0		62	0.0			
			13	0.75		13	6.2					13	0.0		38	0.0		63	0.0			
			14	0.0		14	11.8					14	0.0		39	0.0		64	0.0			
			15	6.1								15	0.0		40	0.0		65	0.0			
												16	0.0		41	0.37		66	0.0			
												17	0.0		42	0.0		67	0.0			
												18	3.2		43	0.0		68	0.0			
												19	0.0		44	0.0		69	0.0			
												20	3.2		45	0.0		70	0.0			
												21	0.0		46	0.0		71	0.0			
												22	0.0		47	0.06		72	0.0			
												23	0.0		48	0.0		73	0.0			
												24	0.0		49	0.0		74	0.0			
												25	0.0		50	0.0		75	0.0			

L26WD12/L32WD12
VOLTAGE CHARTS
AV BOARD (CONTINUED)

BX103			BX600			BX601	
PIN #	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS
1	0.0		1	3.2		1	0.0
2	0.0		2	3.2		2	0.0
3	0.0		3	0.0		3	0.0
4	0.0		4	3.2		4	0.0
5	0.0		5	0.0		5	0.0
6	0.0		6	0.0		6	0.0
7	0.0		7	0.0		7	0.0
8	0.0		8	11.7		8	0.0
9	0.0		9	11.7		9	0.0
			10	0.0		10	0.0

DIGITAL & ANALOG QAM BOARD

BM101			BM404						BP101			BV101	
PIN #	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS
1	3.2		1	0.0		11	0.0		1	3.2		1	0.0
2	3.2		2	3.2		12	0.0		2	0.0		2	0.0
3	0.0		3	0.0		13	0.0		3	4.9		3	0.0
4	3.2		4	0.0		14	0.0		4	0.0		4	0.0
5	0.0		5	0.0		15	0.0		5	1.7		5	0.0
6	0.0		6	3.2		16	0.0		6	0.0		6	0.0
7	0.0		7	0.0		17	0.0					7	0.0
8	11.7		8	3.3		18	1.5					8	0.0
9	11.7		9	0.0								9	0.0
10	0.0		10	3.3								10	0.0

FRONT AV BOARD

BQ002			BV500	
PIN #	DC VOLTS		PIN #	DC VOLTS
1	0.0		1	0.0
2	0.0		2	0.0
3	0.0		3	0.0
			4	0.0
			5	0.0
			6	0.0
			7	0.0
			8	0.0
			9	0.0

KEY BOARD

BK001			BK001 PIN 6			BK002 RUN			BK002 OFF	
PIN #	DC VOLTS		FUNCTION	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS
1	6.2		POWER	2.1		1	0.0		1	0.0
2	3.2		CH +	0.7		2	4.3		2	4.3
3	0.0		CH -	0.35		3	5.1		3	5.1
4	4.3		VOL +	1.4		4	2.2		4	0.0
5	5.2		VOL -	1.1		5	0.59		5	1.8
6	2.4		MENU	1.7						

IR BOARD

BK002 RUN			BK002 OFF	
PIN #	DC VOLTS		PIN #	DC VOLTS
1	0.0		1	0.0
2	4.3		2	4.3
3	5.1		3	5.1
4	2.2		4	0.0
5	0.59		5	1.8

L26WD12/L32WD12
VOLTAGE CHARTS
LCD PANEL

CN1			CN2			CN3				
PIN #	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS
1	23.9		1	23.9		1	0.0		26	0.0
2	23.9		2	23.9		2	1.2		27	0.01
3	23.9		3	23.9		3	1.1		28	0.04
4	23.9		4	23.9		4	1.2		29	5.1
5	23.9		5	0.03		5	1.1		30	5.1
6	0.0		6	0.0		6	1.1		31	5.1
7	0.0		7	0.0		7	1.2		32	5.1
8	0.0		8	0.0		8	0.0		33	5.1
9	0.0		9	3.2		9	0.0		34	5.1
10	0.0		10	2.7		10	1.1		35	0.0
			11	0.0		11	1.2		36	0.0
			12	3.2		12	1.2		37	0.0
						13	1.1		38	3.1
						14	0.0		39	0.0
						15	0.0		40	0.0
						16	0.04			
						17	0.01			
						18	0.04			
						19	0.01			
						20	0.04			
						21	0.01			
						22	0.0			
						23	0.0			
						24	0.04			
						25	0.01			

SCALER BOARD

BP100			BP101			BP102			BP103			BR100										
PIN #	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS
1	23.9		1	3.2		1	5.3		1	11.9		1	3.2		26	0.0		51	0.0		76	0.0
2	23.9		2	2.7		2	0.0		2	0.0		2	3.2		27	0.0		52	0.0		77	0.0
3	0.0		3	0.0		3	3.1		3	0.0		3	2.6		28	0.0		53	0.0		78	0.0
4	23.9		4	0.0					4	0.0		4	2.7		29	0.0		54	0.0		79	0.0
5	0.0		5	0.0					5	0.0		5	3.2		30	3.2		55	0.0		80	0.0
6	0.0		6	0.0					6	23.9		6	3.2		31	0.0		56	0.0			
7	11.8								7	3.1		7	0.0		32	0.0		57	1.1			
8	11.8											8	0.0		33	0.0		58	0.0			
9	11.8											9	0.0		34	0.0		59	0.0			
10	0.0											10	0.0		35	0.0		60	0.0			
11	0.0											11	0.0		36	0.0		61	0.0			
12	0.0											12	0.0		37	0.0		62	0.0			
13	6.2											13	0.0		38	0.0		63	0.0			
14	11.8											14	0.0		39	0.0		64	0.0			
												15	0.0		40	0.0		65	0.0			
												16	0.0		41	0.37		66	0.0			
												17	0.0		42	0.0		67	0.0			
												18	3.2		43	0.0		68	0.0			
												19	0.0		44	0.0		69	0.0			
												20	3.2		45	0.0		70	0.0			
												21	0.0		46	0.0		71	0.0			
												22	0.0		47	0.06		72	0.0			
												23	0.0		48	0.0		73	0.0			
												24	0.0		49	0.0		74	0.0			
												25	0.0		50	0.0		75	0.0			

SCALER BOARD (CONTINUED)

BR102						BR106			BR106 PIN 6	
PIN #	DC VOLTS		PIN #	DC VOLTS		PIN #	DC VOLTS		FUNCTION	DC VOLTS
1	0.0		26	0.0		1	6.2		POWER	2.1
2	1.2		27	0.01		2	3.2		CH +	0.7
3	1.1		28	0.04		3	0.0		CH -	0.35
4	1.2		29	5.1		4	4.3		VOL +	1.4
5	1.1		30	5.1		5	5.2		VOL -	1.1
6	1.1		31	5.1		6	2.4		MENU	1.7
7	1.2		32	5.1						
8	0.0		33	5.1						
9	0.0		34	5.1						
10	1.1		35	0.0						
11	1.2		36	0.0						
12	1.2		37	0.0						
13	1.1		38	3.1						
14	0.0		39	0.0						
15	0.0		40	0.0						
16	0.04									
17	0.01									
18	0.04									
19	0.01									
20	0.04									
21	0.01									
22	0.0									
23	0.0									
24	0.04									
25	0.01									

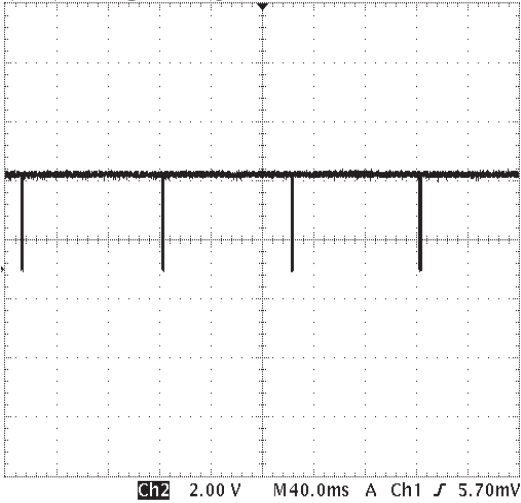
SMPS BOARD

CON1 (ACROSS PINS)			CON3	
PIN #	AC VOLTS		PIN #	DC VOLTS
1	121.0		1	11.9
2	121.0		2	0.0
			3	0.0
			4	0.0
			5	23.9
			6	23.9
			7	3.1

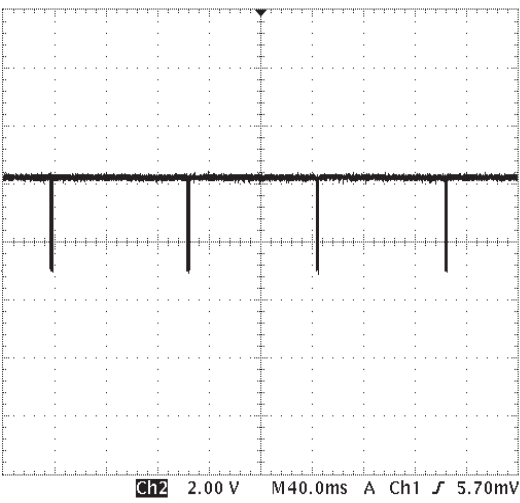
SMPS 1W BOARD

BP600 USE PIN 1/2 AS REF			BP610	
PIN #	AC VOLTS		PIN #	DC VOLTS
1	121.0		1	5.3
2	121.0		2	0.0
3	0.0		3	3.1
4	121.0			
5	0.0			
6	121.0			

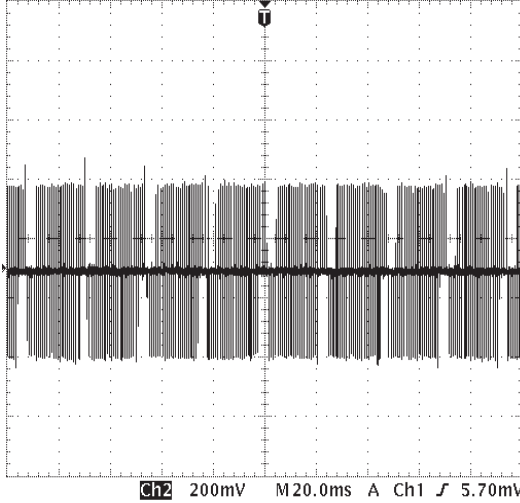
IL26WD12/L32WD12
WAVEFORMS



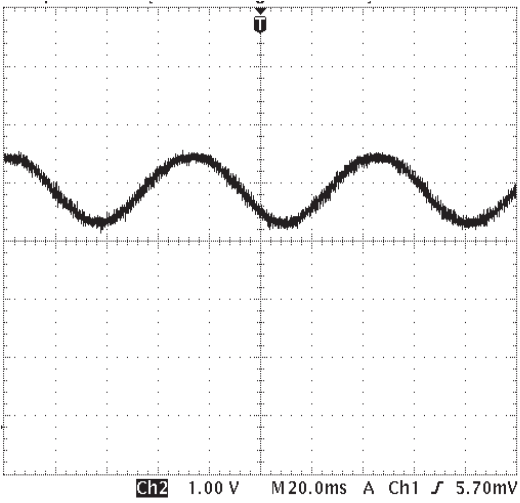
BM101 Pin 1 - QAM Board
BX600 Pin 1 - AV Board



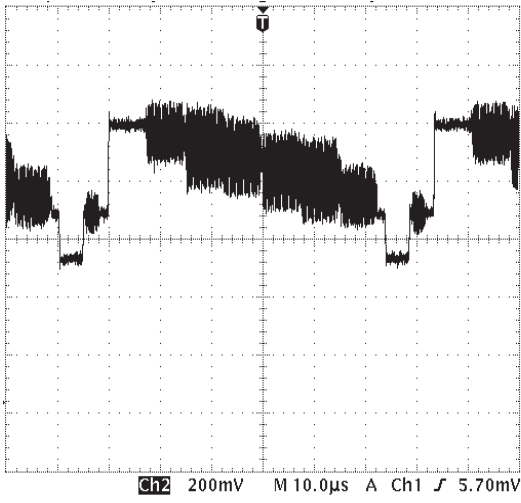
BM101 Pin 2 - QAM Board
BX600 Pin 2 - AV Board



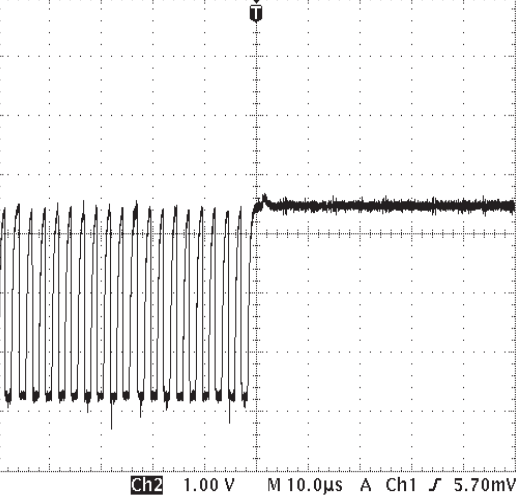
BV101 Pin 1 - QAM Board
BX601 Pin 1 - AV Board



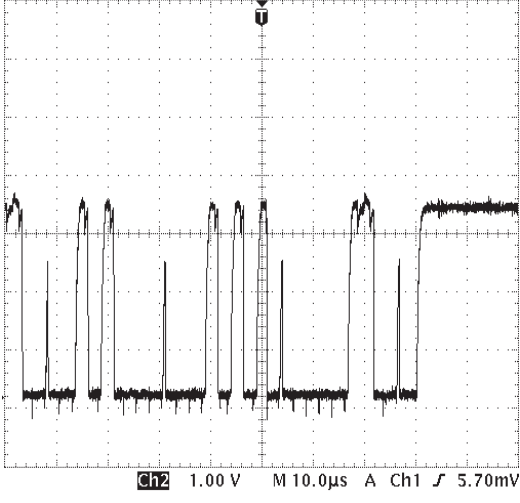
J701 Pin 9 - ADM1 Board
BH101 Pin 9 - AV Board



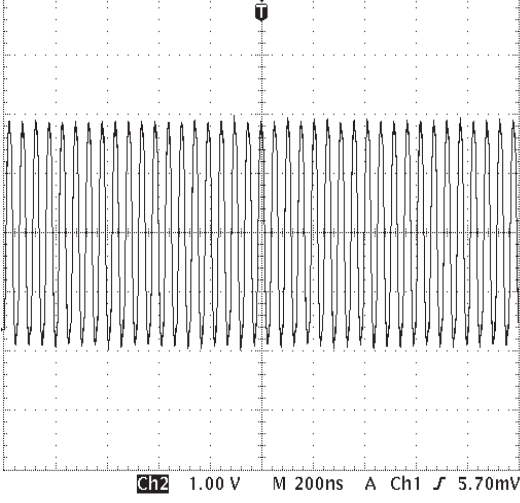
J701 Pin 14 - ADM1 Board
BH101 Pin 14 - AV Board



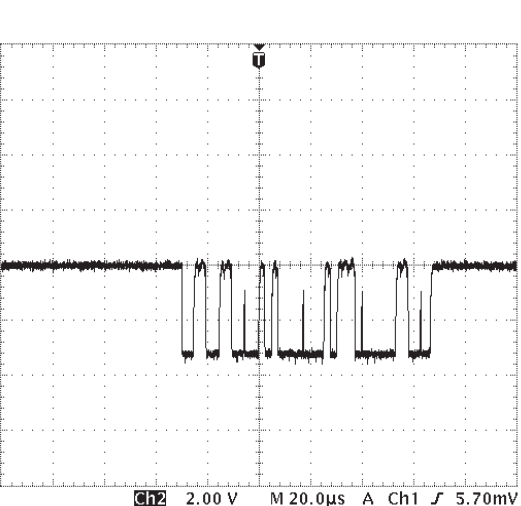
J701 Pin 4 - ADM1 Board
BH101 Pin 4 - AV Board



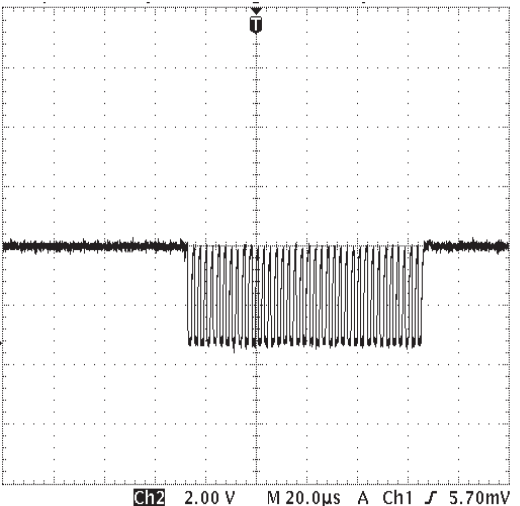
J701 Pin 5 - ADM1 Board
BH101 Pin 5 - AV Board



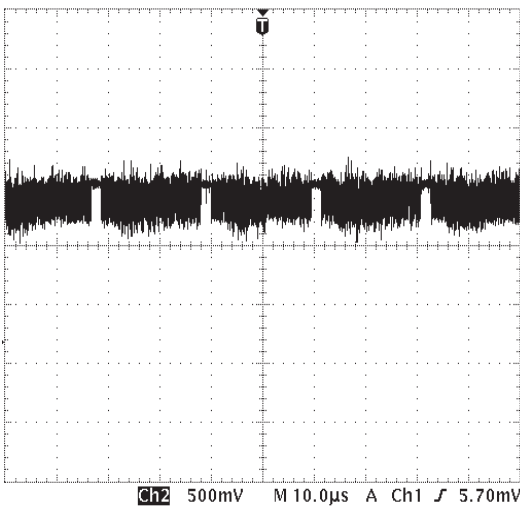
BM404 Pin 16 - QAM Board
BI101 Pin 16- ADM1 Board



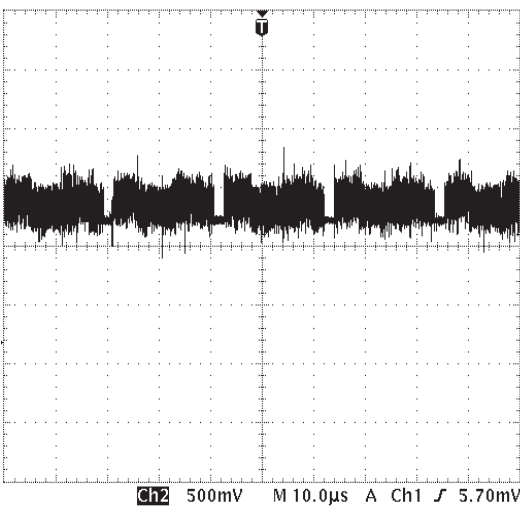
BX100 Pin 1 - AV Board
BR100 Pin 1 - Scaler Board



BX100 Pin 2 - AV Board
BR100 Pin 2 - Scaler Board

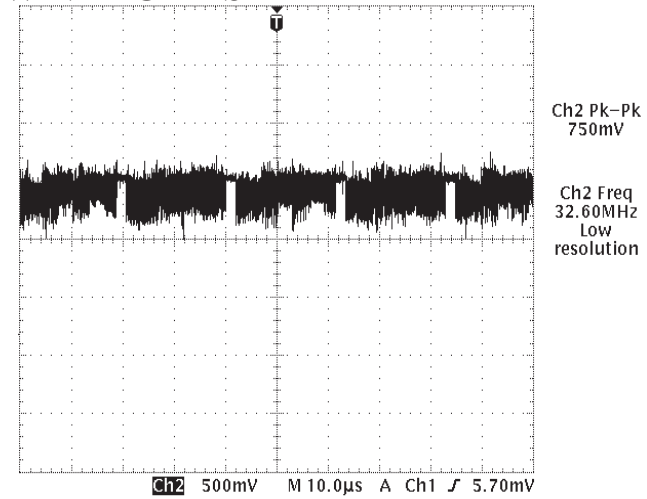


BR102 Pin 2 - Scaler Board

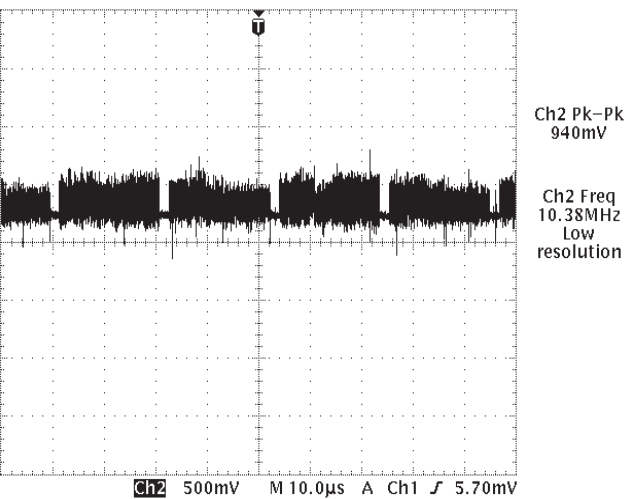


BR102 Pin 3 - Scaler Board

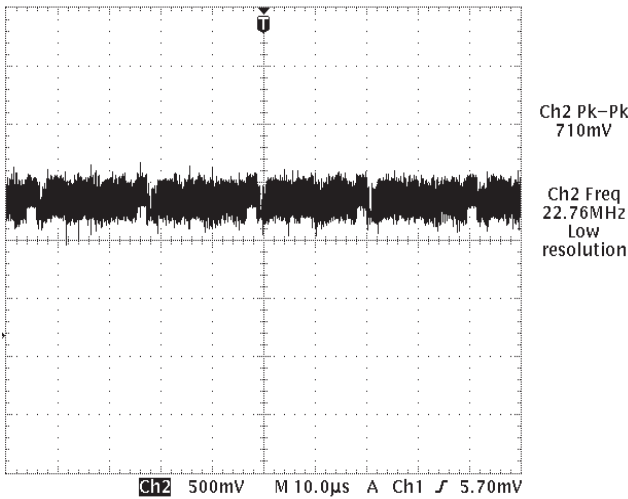
IL26WD12/L32WD12
WAVEFORMS



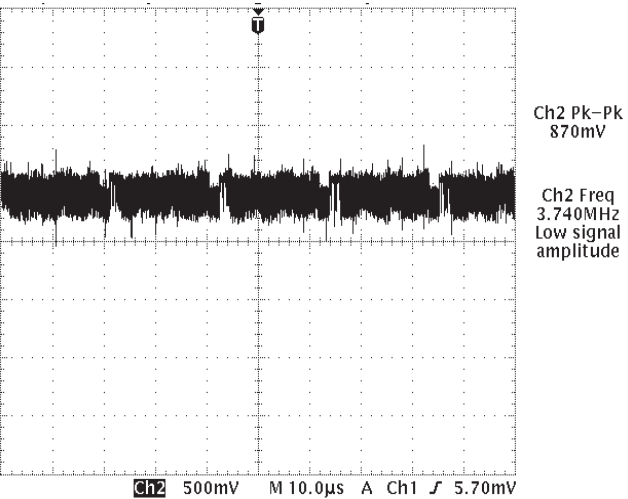
BR102 Pin 4 - Scaler Board



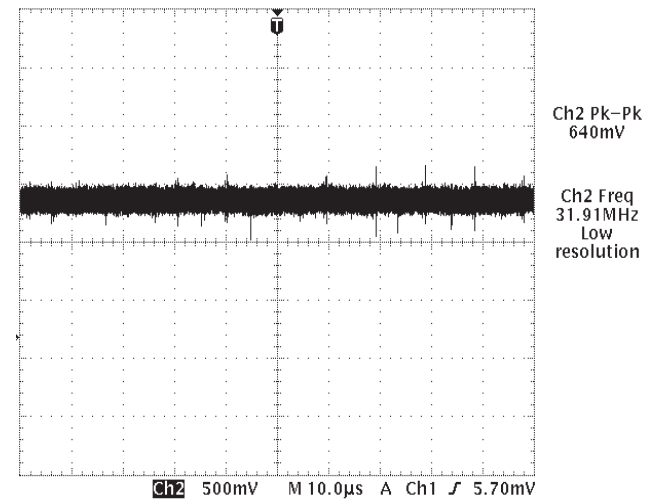
BR102 Pin 5 - Scaler Board



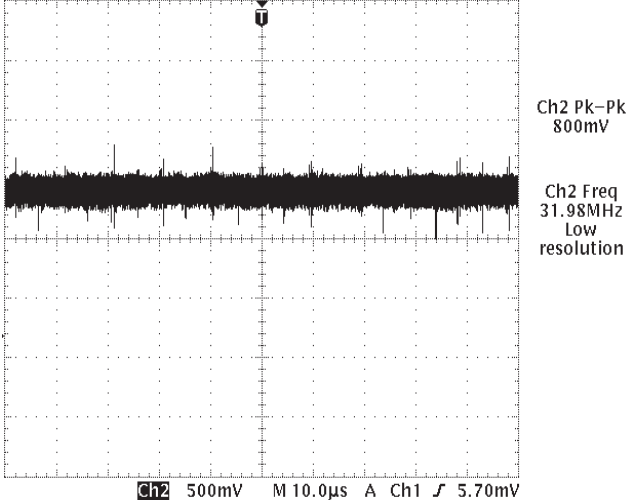
BR102 Pin 6 - Scaler Board



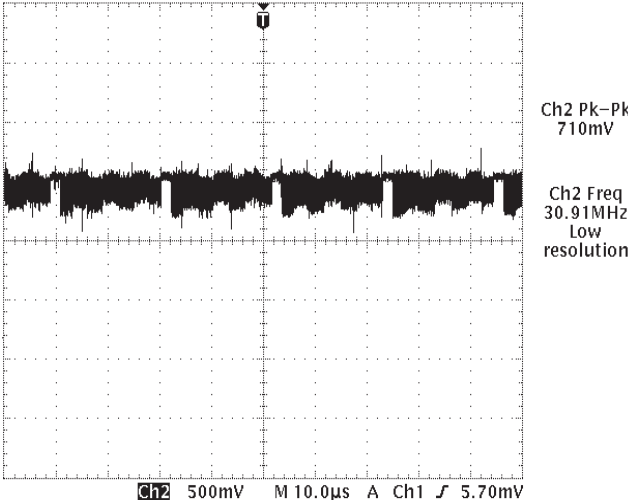
BR102 Pin 7 - Scaler Board



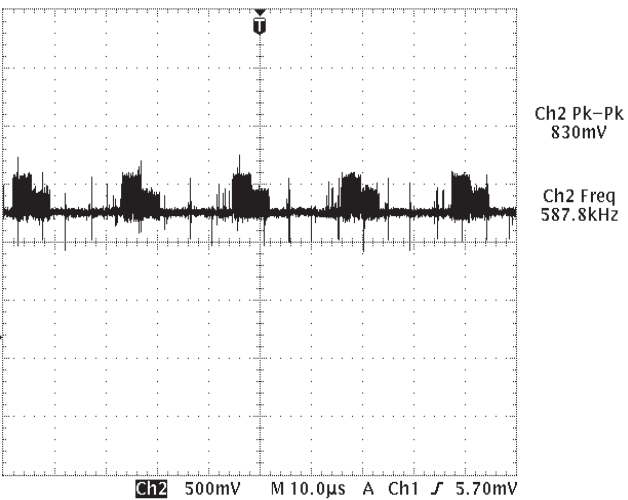
BR102 Pin 10 - Scaler Board



BR102 Pin 11 - Scaler Board



BR102 Pin 12 - Scaler Board



BR102 Pin 13 - Scaler Board