

DENON

For Europe model

SERVICE MANUAL

Ver. 1

MODEL AVR-1306

AV SURROUND RECEIVER

注意

サービスをおこなう前に、このサービスマニュアルを必ずお読みください。本機は、火災、感電、けがなどに対する安全性を確保するために、さまざまな配慮をおこなっており、また法的には「電気用品安全法」にもとづき、所定の許可を得て製造されております。従ってサービスをおこなう際は、これらの安全性が維持されるよう、このサービスマニュアルに記載されている注意事項を必ずお守りください。

● For purposes of improvement, specifications and design are subject to change without notice.

● 本機の仕様は性能改良のため、予告なく変更することがあります。
● 補修用性能部品の保有期間は、製造打切後8年です。

● Please use this service manual with referring to the operating instructions without fail.

● 修理の際は、必ず取扱説明書を参照の上、作業を行ってください。

● Some illustrations using in this service manual are slightly different from the actual set.

● 本文中に使用しているイラストは、説明の都合上現物と多少異なる場合があります。

DENON

TOKYO, JAPAN
Denon Brand Company, D&M Holdings Inc.

SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

注意

サービス、点検時には次のことにご注意願います。

●注意事項をお守りください！

サービスのとき特に注意を必要とする個所については、キャビネット、部品、シャーシなどにラベルや捺印で、注意事項を表示しています。これらの注意書きおよび取扱説明書などの注意事項を必ずお守りください。

●感電に注意！

- (1) このセットは、交流電圧が印加されていますので、通電時に内部金属部に触れると感電することがあります。従って通電サービス時には、絶縁トランスの使用や手袋の着用、部品交換には、電源プラグを抜くなどして、感電にご注意ください。
- (2) 内部には、高電圧の部分がありますので、通電時の取扱には、十分ご注意ください。

●指定部品の使用！

セットの部品は難燃性や耐電圧など安全上の特性を持ったものとなっています。従って交換部品は、使用されていたものと同じ特性の部品を使用してください。特に配線図、部品表に△印で指定されている安全上重要な部品は必ず指定のものをご使用ください。

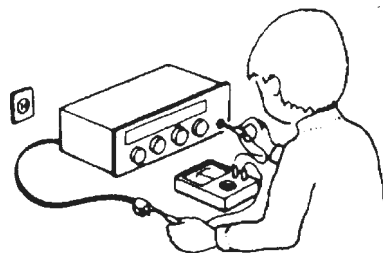
- ### ●部品の取付けや配線の引きまわしは、元どおりに！
- 安全上、テープやチューブなどの絶縁材料を使用したり、プリント基板から浮かして取付けた部品があります。また内部配線は引きまわしやクランプによって発熱部品や高圧部品に接近しないように配慮されていますので、これらは必ず元どおりにしてください。

●サービス後は安全点検を！

サービスのために取り外したねじ、部品、配線などが元どおりになっているか、またサービスした個所の周辺を劣化させてしまったところがないかなどを点検し、外部金属端子部と、電源プラグの刃の間の絶縁チェックをおこなうなど、安全性が確保されていることを確認してください。

(絶縁チェックの方法)

電源コンセントから電源プラグを抜き、アンテナや、プラグなどを外し、電源スイッチを入れます。500V絶縁抵抗計を用いて、電源プラグのそれぞれの端子と、外部露出金属部〔アンテナ端子、ヘッドホン端子、マイク端子、入力端子など〕との間で、絶縁抵抗値が1MΩ以上であること、この値以下のときは、セットの点検修理が必要です。



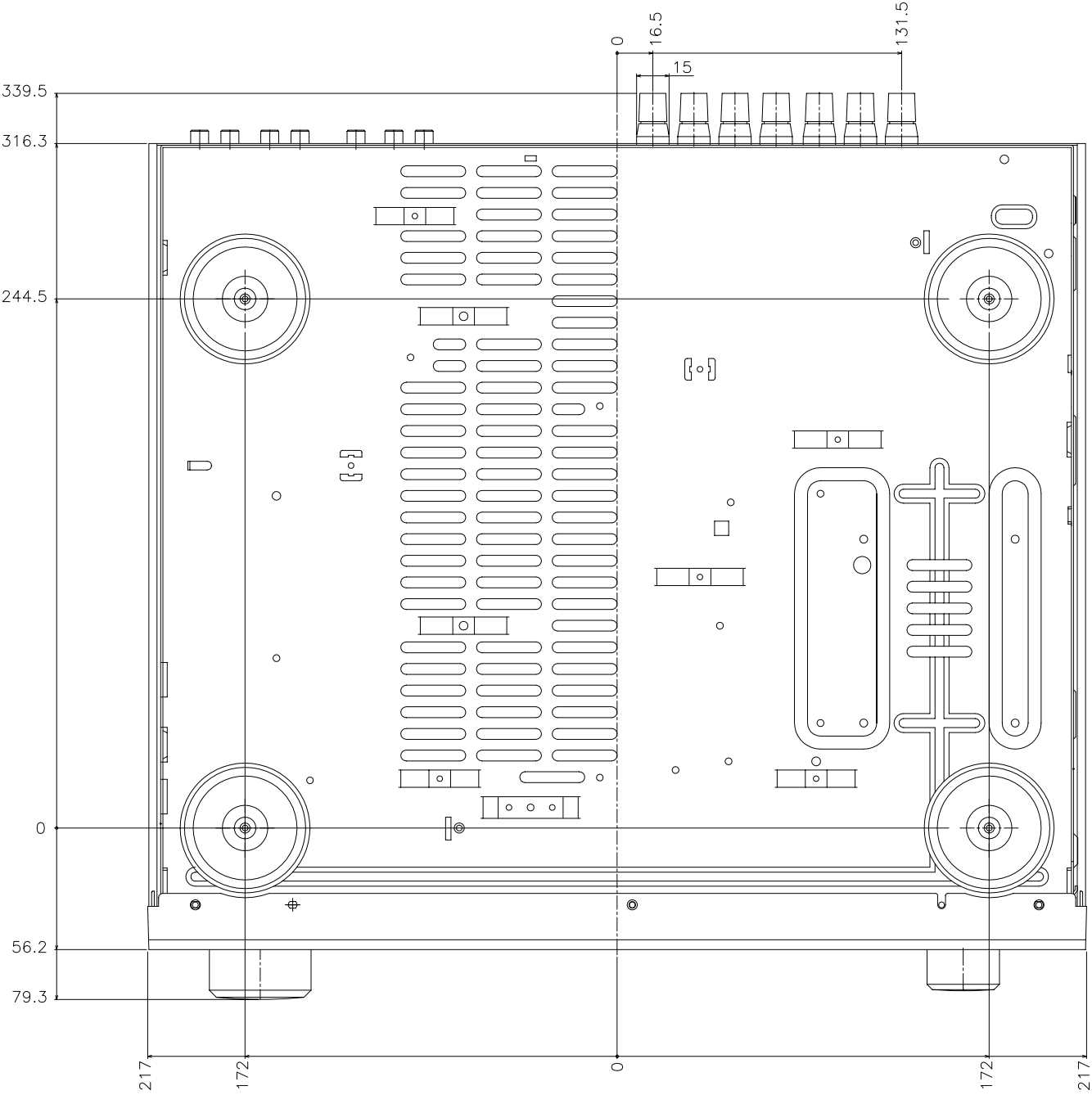
注意 安全上重要な部品について

本機に使用している多くの電気部品、および機構部品は安全上、特別な特性を持っています。この特性はほとんどの場合、外観では判別つきにくく、また、もとの部品より高い定格（定格電力、耐圧）を持ったものを使用しても安全性が維持されるとは、限りません。安全上の特性を持った部品は、このサービスマニュアルの配線図、部品表につきのように表示していますので、必ず指定されている部品番号のものを使用願います。

(1)配線図… △マークで表示しています。

(2)部品表… △マークで表示しています。
指定された部品と異なるものを使用した場合、感電、火災などの危険を生じる恐れがあります。

DIMENSION



CAUTION IN SERVICING

Initializing AV SURROUND RECEIVER

AV SURROUND RECEIVER initialization should be performed when the μ com, peripheral parts of μ com, and Digital P.W.B. are replaced.

1. Switch off the unit.
2. Hold the following SPEAKERS-A button and SPEAKERS-B button, and switch on the unit.
3. Check that the entire display is flashing with an interval of about 1 second, and release your fingers from the 2 buttons and the microprocessor will be initialized.

Note: • If step 3 does not work, start over from step 1.

- All user settings will be lost and this factory setting will be recovered when this initialization mode.
So make sure to memorize your setting for restoring after the initialization.

サービス時の注意事項

AV サラウンドアンプの初期化について

マイコンやマイコン周辺部品、Digital 基板等を交換した場合は、AV サラウンドアンプの初期化を行って下さい。

1. オン/オフボタンを OFF にします。
2. SPEAKERS-A ボタンと SPEAKERS-B ボタンを同時に押しながら、オン/オフボタンを押して ON にします。
3. ディスプレイ表示が約 1 秒間隔で点滅するのを確認後、2 つのボタンから指を離します。
*マイコンが初期化されます。

注意: • 上記 3 の状態にならない場合は、もう一度操作 1 からやり直してください。

- 初期化を行うとお客様が設定した内容が工場出荷状態に戻りますので、あらかじめ設定内容を控えておき初期化後再設定してください。

ADJUSTMENT

Audio Section

Idling Current

Required measurement equipment: DC Voltmeter

1. Preparation

- (1) Avoid direct blow from an air conditioner or an electric fan, and adjust the unit at normal room temperature 15 °C ~ 30 °C (59 °F ~ 86 °F).
- (2) Presetting
 - POWER (Power source switch) OFF
 - SPEAKER (Speaker terminal) No load
(Do not connect speaker, dummy resistor, etc.)

2. Adjustment

- (1) Remove top cover and set VR101, VR102, VR103, VR104, VR105, on Amp. unit, Unit at fully counterclockwise (◯) position.
- (2) Connect DC Voltmeter to test points (FRONT-Lch: TP104, FRONT-Rch: TP105, CENTER ch: TP103, SURROUND-Lch: TP101, SURROUND-Rch: TP102).
- (3) Connect power cord to AC Line, and turn power switch "ON".
- (4) Presetting.
 MASTER VOLUME : "---" counterclockwise (◯ min.)
 MODE : 5CH STEREO
 FUNCTION : CD
- (5) Within 2 minutes after the power on, turn VR101 clockwise (◯) to adjust the TEST POINT voltage to 1.5 mV \pm 0.5 mV DC.
- (6) After 10 minutes from the preset above, turn VR101 to set the voltage to 2.5 mV \pm 0.5 mV DC.
- (7) Adjust the Variable Resistors of other channels in the same way.

調整

オーディオセクション

アイドリング電流の調整

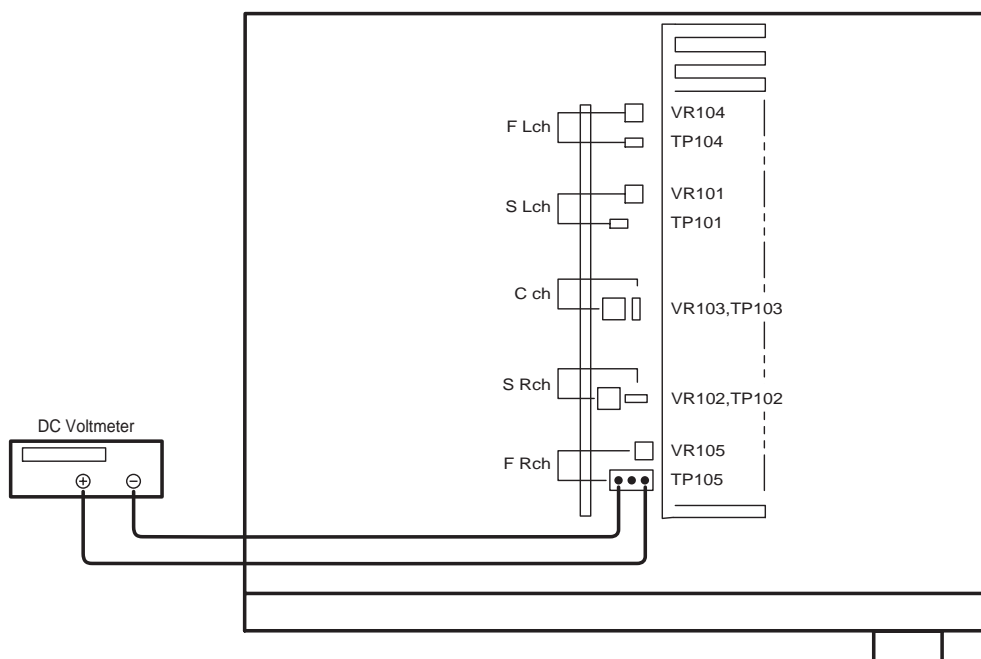
調整に必要な測定器： DC Voltmeter

1. 準備

- (1) セットをクーラ、扇風機のそばなど風通しの良い場所を避け、通常の使用状態に置きます。セットの周囲温度は 15 ~ 30 °C、湿度は常湿とします。
- (2) プリセット
 - 電源スイッチ OFF
 - スピーカ端子 無負荷
(スピーカ・ダミー抵抗器などを接続しない。)

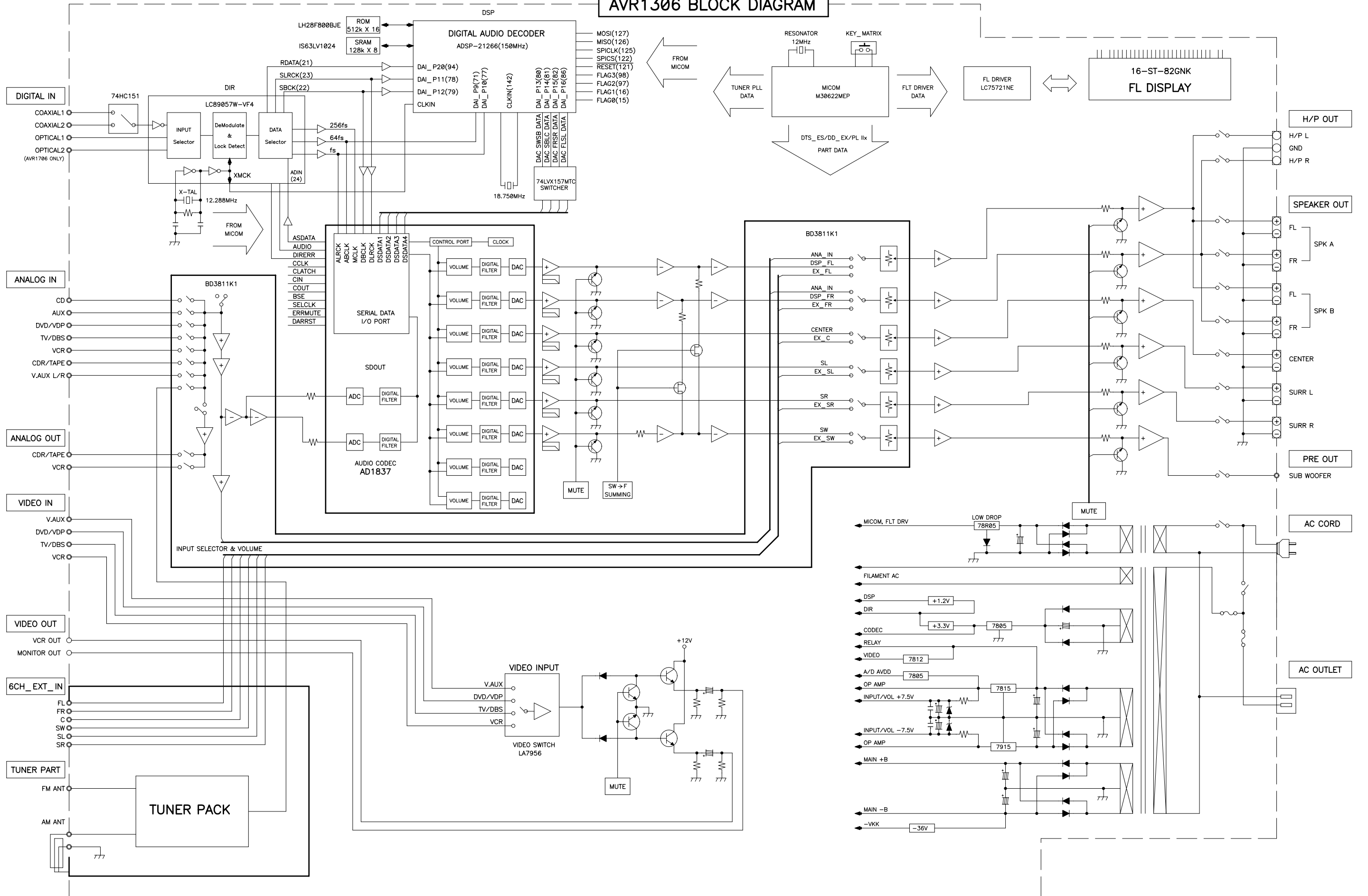
2. 調整

- (1) 上カバーをはずし、パワーアンプ基板の VR101, VR102, VR103, VR104, VR105 を反時計方向 (◯) に回し切った状態にセットします。
- (2) テストポイント (FRONT-Lch: TP104, FRONT-Rch: TP105, CENTER ch: TP103, SURROUND-Lch: TP101, SURROUND-Rch: TP102) に DC Voltmeter を接続します。
- (3) 電源コードを AC100V (95 ~ 105V の範囲でも可) に接続し、電源スイッチを "ON" にします。
- (4) ON 後、次のようにセットします。
 - MASTER VOLUME (音量調節つまみ) → 反時計方向 (◯) に回す、最小の状態にする。
 - SPEAKER (スピーカ端子) → 無負荷 (スピーカ、ダミー抵抗器などを接続しない。)
 MODE : 5CH STEREO
 FUNCTION : CD
- (5) 2分以内に VR101 を時計方向 (◯) に回しテストポイントの電圧を次のように調整します。
1.5mV \pm 0.5mV DC
- (6) 予備調整から 10 分後 VR101 を回し、次のように電圧を設定します。
2.5mV \pm 0.5mV DC
- (7) 同じ方法で各チャンネルの可変抵抗を調整します。

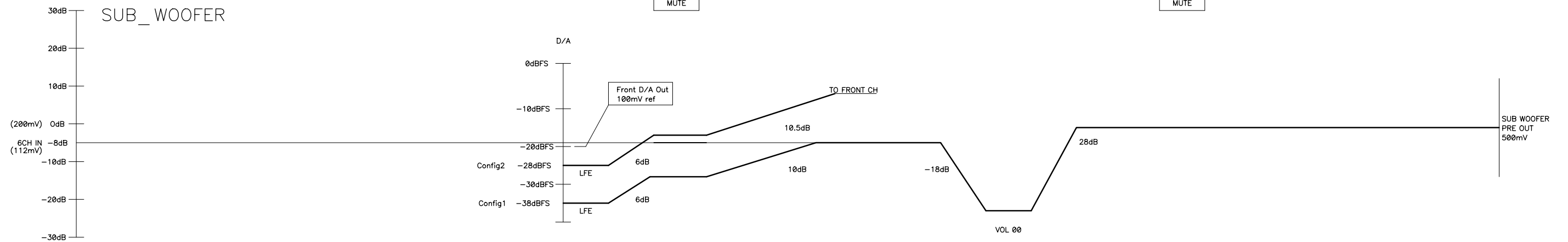
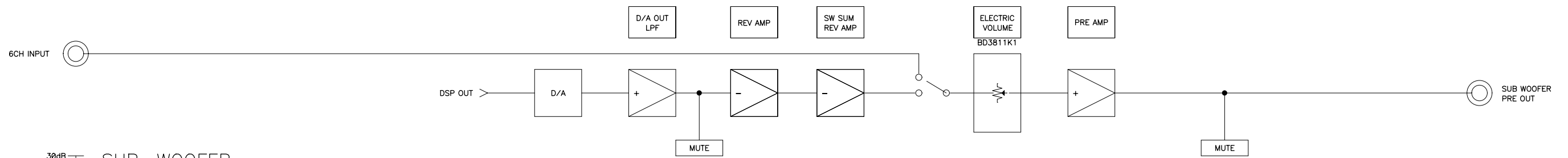
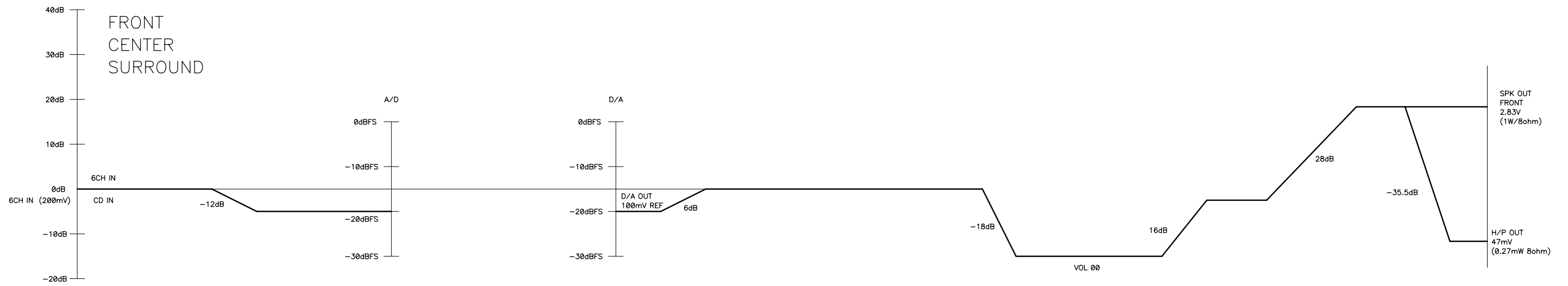
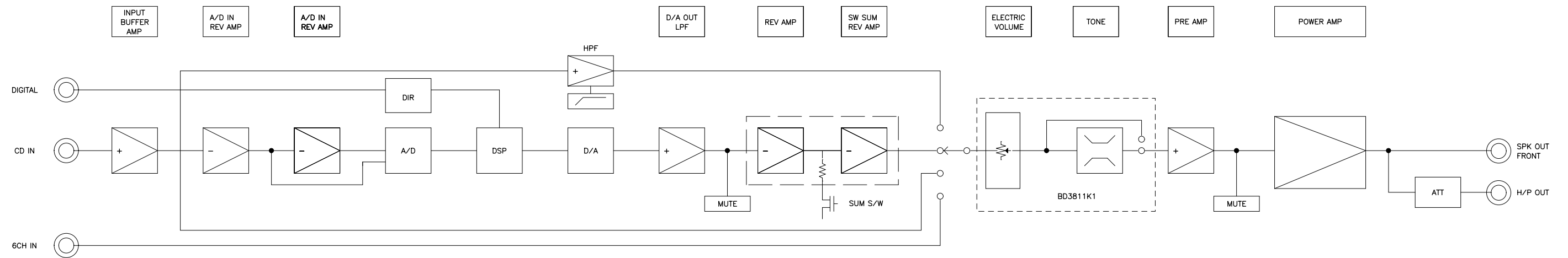


BLOCK DIAGRAM

AVR1306 BLOCK DIAGRAM



LEVEL DIAGRAM

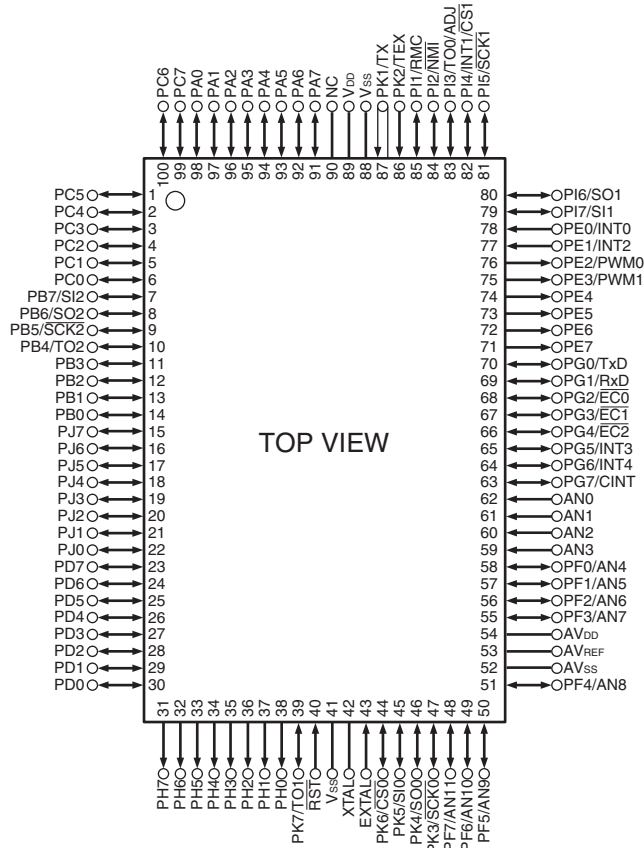


SEMICONDUCTORS

Only major semiconductors are shown, general semiconductors etc. are omitted to list.
 主な半導体を記載しています。汎用の半導体は記載を省略しています。

1. IC's

M30622MEP (IC201)



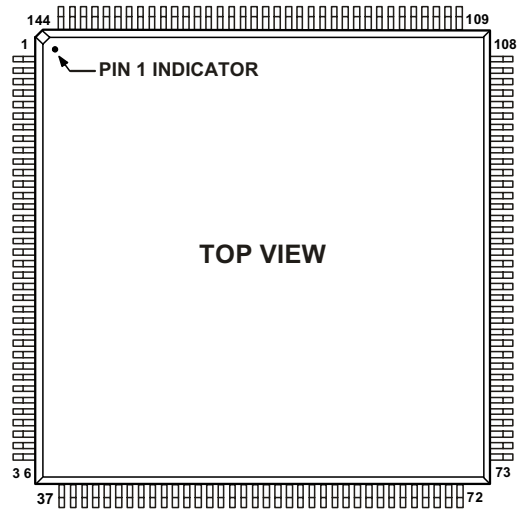
M30622MEP Terminal Function

PIN No.	PIN NAME	I/O	FUNCTION
1	SW_SUM	O	SW SUMMING CONTROL
2	4094_CLK	O	BU4094(IC551~2) CLOCK
3	2090_CLK(VIDEO)/SEL2/G	O	LA7956(IC601) S2 CONTROL
4	2090_DATA/SEL1/F	O	LA7956(IC601) S1 CONTROL
5	2090_DATA2/VIDEO_MUTE	O	VIDEO MUTE CONTROL
6	RMC	I	REMOCON SIGNAL DATA INPUT
7	1837_SDIN	I	AD1837(IC808) COUT SERIAL DATA INPUT
8	BYTE	GND	GND
9	CNVSS	-	UP GRADE PIN (TP301 CNVSS)
10	2090_DATA/4094_DATA	O	BU2090(IC302) DATA/BU4094(IC551~2) DATA
11	FLD_RST/4094_EN	O	LC75721(IC301) RESET CONTROL/BU4094(IC551~2) OUT_ENABLE CONTROL
12	RESET	I	u-COM RESET SIGNAL INPUT
13	X-OUT	O	OSILATOR CONNECTION
14	Vss	GND	GND
15	X-IN	I	OSILATOR CONNECTION
16	Vcc1(+5V)	5V	POWER 5V
17	NC	I	PULL UP
18	FLAG0	I	EPROM chip select control for DSP

PIN No.	PIN NAME	I/O	FUNCTION
19	89057_INT	I	LC89057(IC807) INT SIGNAL INPUT
20	PROTECTION	I	PROTECTION SIGNAL INPUT
21	FLD/2090_CLK	O	BU2090(IC302) CLOCK/ LC75721(IC301) CLOCK
22	FLD_DATA	O	LC75721(IC301) DATA
23	FLD_CE	O	LC75721(IC301) CHIP ENABLE
24	9273_STB/CDR_TAPE_MUTE	O	TC9273-004(IC703) STB
25	9273/9164_DATA	O	TC9273-004(IC703) DATA
26	9273/9164_CLK	O	TC9273-004(IC703) CLOCK
27	9164_STB	I/O	OPEN
28	9274_STB/MIC_RLY	O	AVR1706: MIC RELAY (RLY702) CONTROL
29	90A69/1270_CLK	O	TC90A69(IC609) SCLOCK/TA1270BF(IC606) SCLOCK
30	90A69/1270_DATA	I/O	TC90A69(IC609) SDATA/TA1270BF(IC606) SDATA
31	RS232C_TX	O	UP GRADE PIN(TP301) TXD
32	RS232C_RX	I	UP GRADE PIN(TP301) RXD
33	9274_DATA	O	OPEN
34	9274_CLK	O	OPEN
35	PLL_DATA_IN	I	TUNER DATA IN
36	PLL_DATA_OUT	O	TUNER DATA OUT
37	PLL_CLK	O	TUNER PLL CLOCK
38	PLL_CE	O	TUNER PLL CHIP ENABEL
39	TUNED	I	TUNED SIGNAL INPUT
40	STEREO	I	STEREO SIGNAL INPUT
41	EPM(UP_GRADE)	I	UP GRADE PIN (TP301 EPM)
42	VOL_UP	I	MASTER VOLUME ENCODER(VEC301)
43	VOL_DOWN	I	MASTER VOLUME ENCODER(VEC301)
44	SEL_UP	I	SELECT ENCODER(VEC302)
45	SEL_DOWN	I	SELECT ENCODER(VEC302)
46	CE(UP_GRADE)	I	UP GRADE PIN (TP301 CE)
47	PWR_DOWN	I	POWER DOWN CONTROL INPUT
48	RDS_DATA	I	TDA7330BD(IC202) RDDR SIGNAL INPUT
49	ERR_MUTE	O	ERROR MUTE
50	BSE	O	DIGITAL SIGNAL MUTE
51	89057_ENPHA	I	LC89057(IC807) PRE EMPHASIS INFOMATION SIGNAL INPUT
52	SHARC_SDIN	I	SHARC(IC804) SERIAL DATA INPUT
53	89057_SD_IN	I	LC89057(IC807) D0 SIGNAL INPUT
54	EEPROM_RST	O	FLASH ROM(IC805) RESET
55	89057_RST	O	LC89057(IC807) RESET
56	SHARC_CE	O	SHARC(IC804) CHIP ENABEL
57	SHARC_SDOUT	O	CHARC(IC804) SERIAL DATA OUT
58	89057_CE	O	LC89057(IC807) CHIP ENABLE
59	89057/1837_SDOUT	O	LC89057(IC807) D1 SIGNAL / AD1837(IC808) CIN SIGNAL
60	89057/1837_SCLK	O	LC89057(IC807) CLOCK/ AD1837(IC808) CCLOCK
61	1837_RST	O	AD1837(IC808) RESET SIGNAL OUT (TO IC821)
62	Vcc2(+5V)	5V	POWER 5V
63	SHARC_SCLK	O	SHARC(IC804) SPICLK
64	Vss	GND	GND
65	SHARC_RST	O	SHARC(IC804) RESET SIGNAL
66	1837_CE	O	AD1837(IC808) CLATCH
67	FLAG3	I	Special flag for ROM updata
68	FLAG2	I	DSP operation check flag
69	FLAG1	I	NON USE
70	H/P_DET	I	HEAD PHONE DETECT
71	FUNC_UP	I	FUNCTION ENCODER (VEC303)
72	FUNC_DOWN	I	FUNCTION ENCODER (VEC303)
73	RDS_CLK	O	TDA7332BD(IC202) CLOCK FOR RDS

PIN No.	PIN NAME	I/O	FUNCTION
74	POWER_KEY	I	POWER SWICH SIGNAL INPUT
75	MIC_DET	I	MIC DETECTION
76	POWER_RELAY	O	FRONT PANEL POWER CONTROL
77	STBY_LED(RE D)	O	STBY LED RED CONTROL
78	VCR_MUTE/9427_STB	O	NON USE
79	3811/94A27_CLK	O	BD3811K1(IC701) CLOCK/BD3812F (IC702) CLOCK
80	3811/94A27_DATA	O	BD3811K1(IC701) DATA/BD3812F(IC702) DATA
81	MUTE_POWER	O	MUTE POWER CONTROL
82	4094_STB(RLY)	O	BU4094(IC552) STB
83	4094_STB(RLY_MUTE)	O	OPEN
84	4094_STB(MUTE)	O	BU4094(IC551) STB
85	S-MON_DET/J	I	S-MONITOR DETECT
86	COMP_VIDEO_DET	I	COMPONENT SIGNAL INPUT DETECT
87	C_VIDEO_DET	I	CONPOSIT SIGNAL INPUT DETECT
88	S_VIDEO_DET	I	S VIDEO SIGNAL INPUT DETECT
89	RS232C_SW	O	OPEN
90	KEY_IN1	I	KEY1 SIGNAL INPUT
91	KEY_IN2	I	KEY2 SIGNAL INPUT
92	KEY_IN3	I	KEY3 SIGNAL INPUT
93	SET_OPTION	I	MODEL OPTION SELECT
94	STEP_OPTION	I	AREA OPTION SELECT
95	74HC151_SW	O	TC74HC151(IC827) A CONTROL COAXIAL SIGNAL SELECT
96	AVss	GND	GND
97	SEL_CLK	O	SEL_CLK
98	VREF(+5V)	5V	VREF
99	AVcc(+5V)	5V	POWER 5V
100	74781_CE	O	OPEN

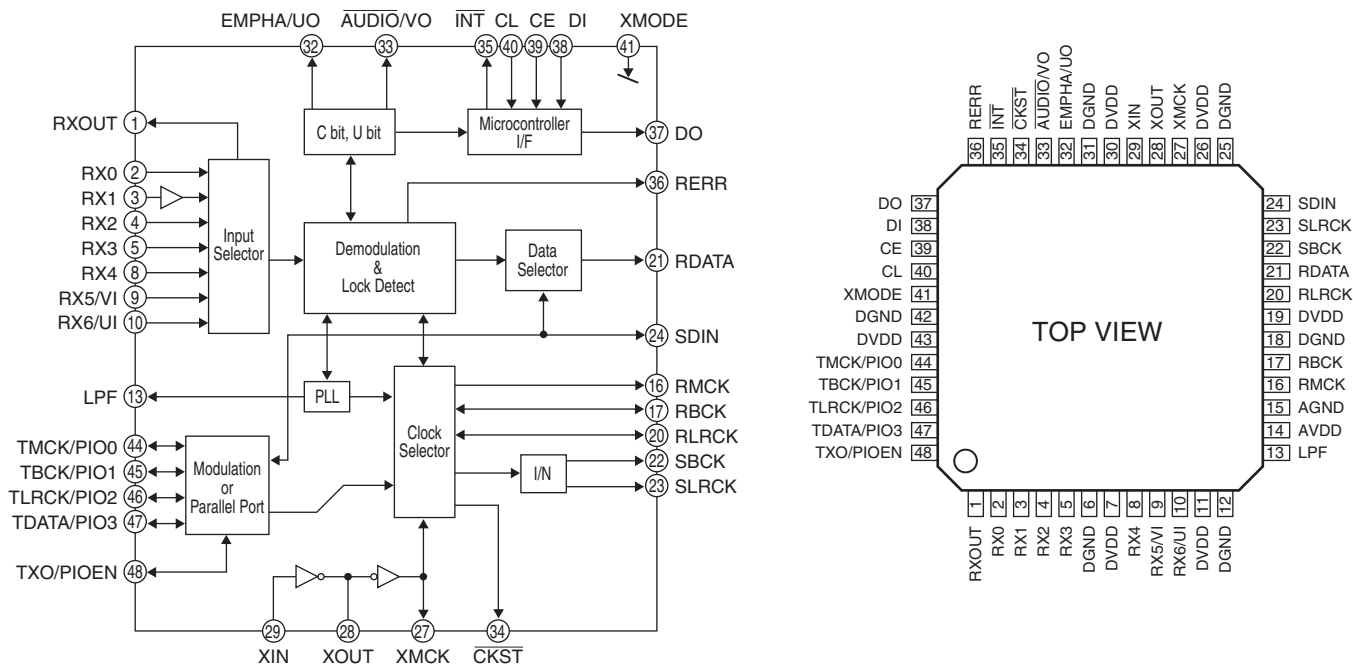
ADSP-21266SKSTZ-1B (IC804)



ADSP-21266SKSTZ-2B Terminal Function

Pin Name	LQFP Pin #	Pin Name	LQFP Pin #	Pin Name	LQFP Pin #	Pin Name	LQFP Pin #
V _{DDINT}	1	V _{DDINT}	37	V _{DDEXT}	73	GND	109
CLKCFG0	2	GND	38	GND	74	V _{DDINT}	110
CLKCFG1	3	\overline{RD}	39	V _{DDINT}	75	GND	111
BOOTCFG0	4	ALE	40	GND	76	V _{DDINT}	112
BOOTCFG1	5	AD15	41	DAI_P10 (SD2B)	77	GND	113
GND	6	AD14	42	DAI_P11 (SD3A)	78	V _{DDINT}	114
V _{DDEXT}	7	AD13	43	DAI_P12 (SD3B)	79	GND	115
GND	8	GND	44	DAI_P13 (SCLK23)	80	V _{DDEXT}	116
V _{DDINT}	9	V _{DDEXT}	45	DAI_P14 (SFS23)	81	GND	117
GND	10	AD12	46	DAI_P15 (SD4A)	82	V _{DDINT}	118
V _{DDINT}	11	V _{DDINT}	47	V _{DDINT}	83	GND	119
GND	12	GND	48	GND	84	V _{DDINT}	120
V _{DDINT}	13	AD11	49	GND	85	<u>RESET</u>	121
GND	14	AD10	50	DAI_P16 (SD4B)	86	<u>SPIDS</u>	122
FLAG0	15	AD9	51	DAI_P17 (SD5A)	87	GND	123
FLAG1	16	AD8	52	DAI_P18 (SD5B)	88	V _{DDINT}	124
AD7	17	DAI_P1 (SD0A)	53	DAI_P19 (SCLK45)	89	SPICLK	125
GND	18	V _{DDINT}	54	V _{DDINT}	90	MISO	126
V _{DDINT}	19	GND	55	GND	91	MOSI	127
GND	20	DAI_P2 (SD0B)	56	GND	92	GND	128
V _{DDEXT}	21	DAI_P3 (SCLK0)	57	V _{DDEXT}	93	V _{DDINT}	129
GND	22	GND	58	DAI_P20 (SFS45)	94	V _{DDEXT}	130
V _{DDINT}	23	V _{DDEXT}	59	GND	95	A _{VDD}	131
AD6	24	V _{DDINT}	60	V _{DDINT}	96	A _{VSS}	132
AD5	25	GND	61	FLAG2	97	GND	133
AD4	26	DAI_P4 (SFS0)	62	FLAG3	98	CLKOUT	134
V _{DDINT}	27	DAI_P5 (SD1A)	63	V _{DDINT}	99	EMU	135
GND	28	DAI_P6 (SD1B)	64	GND	100	TDO	136
AD3	29	DAI_P7 (SCLK1)	65	V _{DDINT}	101	TDI	137
AD2	30	V _{DDINT}	66	GND	102	TRST	138
V _{DDEXT}	31	GND	67	V _{DDINT}	103	TCK	139
GND	32	V _{DDINT}	68	GND	104	TMS	140
AD1	33	GND	69	V _{DDINT}	105	GND	141
AD0	34	DAI_P8 (SFS1)	70	GND	106	CLKIN	142
\overline{WR}	35	DAI_P9 (SD2A)	71	V _{DDINT}	107	XTAL	143
V _{DDINT}	36	V _{DDINT}	72	V _{DDINT}	108	V _{DDEXT}	144

LC89057W (IC807)



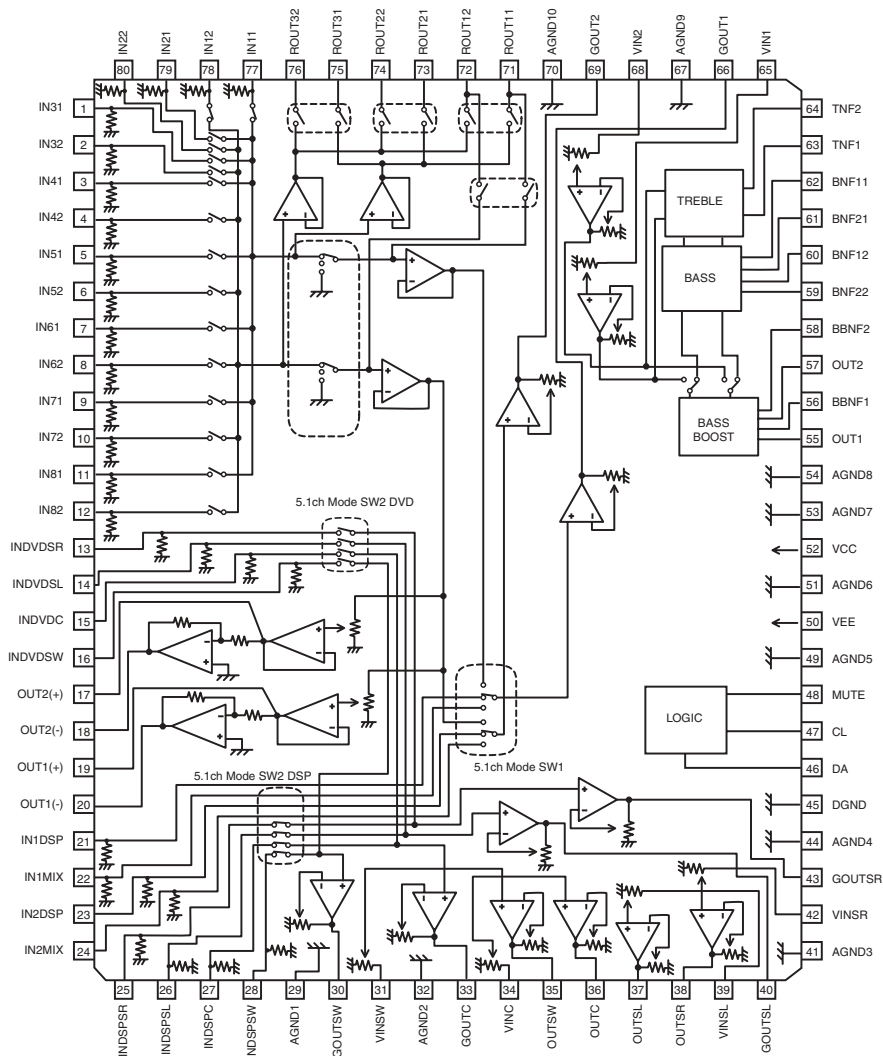
LC89057W Terminal Function

Pin No.	Pin Name	I/O	Function
1	RXOUT	O	Input bi-phase select data output terminal
2	RX0	I	TTL compatible digital data input terminal
3	RX1	I	Coaxial compatible amp built-in digital data input terminal
4	RX2	I	TTL compatible digital data input terminal
5	RX3	I	TTL compatible digital data input terminal
6	DGND	—	Digital GND
7	DVDD	—	Digital power
8	RX4	I	TTL compatible digital data input terminal
9	RX5/VI	I	TTL compatible digital data/Validity flag input terminal for modulation
10	RX6/UI	I	TTL compatible digital data/User data input terminal for modulation
11	DVDD	—	Digital power for PLL
12	DGND	—	Digital GND for PLL
13	LPF	O	PLL loop filter connecting terminal
14	AVDD	—	Analog power for PLL
15	AGND	—	Analog GND for PLL
16	RMCK	O	RMCK clock output terminal (256fs, 512fs, XIN, VCO)
17	RBCK	O/I	RBCK clock in/output terminal (64fs)
18	DGND	—	Digital GND
19	DVDD	—	Digital power
20	RLRCK	O/I	RLRCK clock in/output terminal (fs)
21	RDATA	O	Serial audio data output terminal
22	SBCK	O	SBCK clock output terminal (32fs, 64fs, 128fs)
23	SLRCK	O	SLRCK clock output terminal (fs/2, fs, 2fs)
24	SDIN	I	Serial audio data input terminal
25	DGND	—	Digital GND
26	DVDD	—	Digital power
27	XMCK	O	Osc. amp output terminal

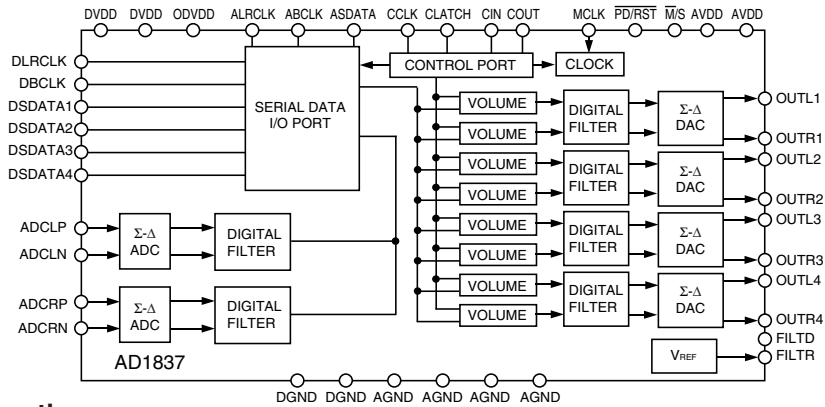
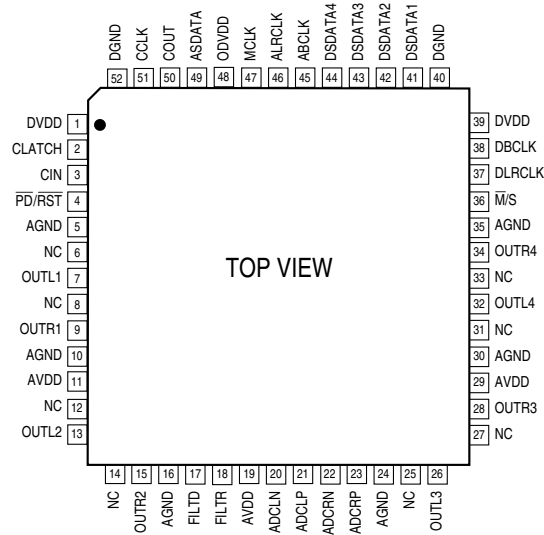
Pin No.	Pin Name	I/O	Function
28	XOUT	O	X'tal osc. connecting output terminal
29	XIN	I	X'tal osc. connection, external clock input terminal (24.576MHz or 12.288MHz)
30	DVDD	—	Digital power
31	DGND	—	Digital GND
32	EMPHA/UO	I/O	Emphasis information/U-data output/Chip address setting terminal
33	AUDIO/VO	I/O	Non-PCM detect/V-flag output/ Chip address setting terminal
34	CKST	I/O	Clock switch transition period output/Demodulation master or slave function switching terminal
35	INT	I/O	Interrupt output for μ com (Interrupt factor selectable)/Modulation or general I/O switching terminal
36	RERR	O	PLL lock error, data error flag output
37	DO	O	μ com I/F, read out data output terminal (3-state)
38	DI	I	μ com I/F, write data input terminal
39	CE	I	μ com I/F, chip enable input terminal
40	CL	I	μ com I/F, clock input terminal
41	XMODE	I	System reset input terminal
42	DGND	—	Digital GND
43	DVDD	—	Digital power
44	TMCK/PIO0	I/O	256fs system clock input for modulation/General I/O in/output terminal
45	TBCK/PIO1	I/O	64fs bit clock input for modulation/General I/O in/output terminal
46	TLRCK/PIO2	I/O	fs clock input for modulation/General I/O in/output terminal
47	TDATA/PIO3	I/O	Serial audio data input for modulation/General I/O in/output terminal
48	TXO/PIOEN	O/I	Modulation data output/ General I/O enable input terminal

* For latch-up countermeasure, perform each power supply ON/OFF in the same timing.

BD3811K1 (IC701)



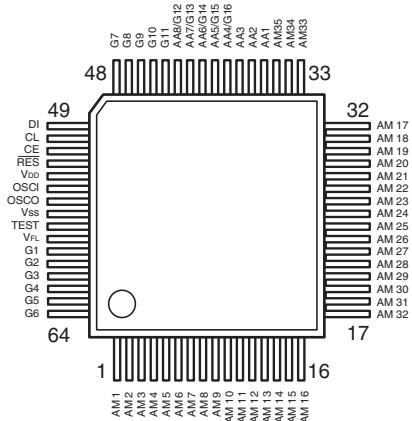
AD1837 (IC808)



AD1837 Terminal Function

Pin No.	Pin Name	Input/Output	Description
1,39	DVDD		Digital Power Supply. Connect to digital 5V supply.
2	CLATCH	I	Latch Input for Control Data
33	CIN	I	Serial Control Input
4	PD/RST	I	Power-Down/Reset
5,10,16,24,30,35	AGND		Analog Ground
6,12,25,31	NC		Not connected
7,13,26,32	OUTLx	O	DACx Left Channel Output
8,14,27,33	NC		Not connected
9,15,28,34	OUTRx	O	DACx Right Channel Output
11,19,29	AVDD		Analog Power Supply. Connect to analog 5V supply.
17	FILTD		Filter Capacitor Connection. Recommend 10μF/100nF.
18	FILTR		Reference Filter Capacitor Connection. Recommended 10μF/100nF.
20	ADCLN	I	ADC Left Channel Negative Input
21	ADCLP	I	ADC Left Channel Positive Input
22	ADCRN	I	ADC Right Channel Negative Input
23	ADCRP	I	ADC Right Channel Positive Input
36	M/S	I	ADC Master/Slave Select
37	DLRCLK	I/O	DAC LR Clock
38	DBCLK	I/O	DAC Bit Clock
40,52	DGND		Digital Ground
41-44	DSDATAx	I	DACx Input Data (Left and Right Supply)
45	ABCLK	I/O	ADC Bit Clock
46	ALRCLK	I/O	ADC LR Clock
47	MCLK	I	Master Clock Input
48	ADVDD		Digital Output Driver Power Supply
49	ASDATA	O	ADC Serial Data Output
50	COUT	O	Output for Control Data
51	CCLK	I	Control Clock Input for Control Data

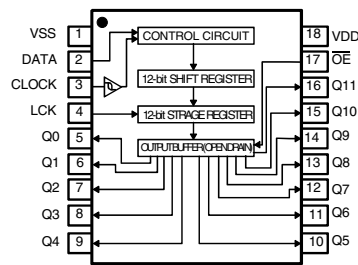
LC75721E (IC301)



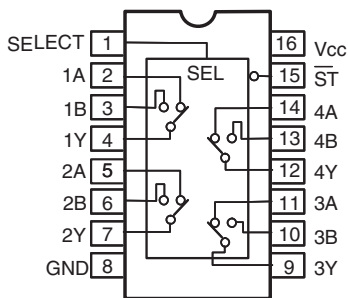
LC75721E Terminal Function

Symbol	Function
V _{DD}	Power terminal +5V
V _{SS}	Power terminal GND
V _{FL}	Power terminal FL drive
DI	Serial data transfer terminal
CL	DI: Data
CE	CL: Clock
CE	CE: Chip enable
OSCI	External CR connecting terminal
OSCO	
RES	System reset terminal
AM1-AM35	Anode output terminal
AA1-AA3	Anode/Grid output terminal
AA4/G16	
AA5/G15	
AA6/G14	
AA7/G13	Grid output terminal
AA8/G12	
G1-G11	Grid output terminal
TEST	LSI test terminal

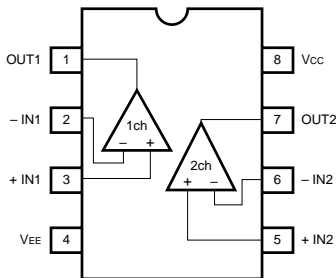
BU2090 (IC302)



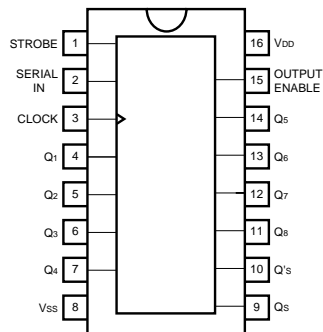
74LVX157 (IC816)



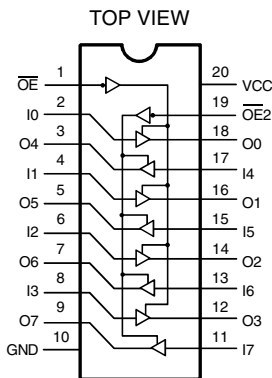
BA4510F (IC815A,816A)



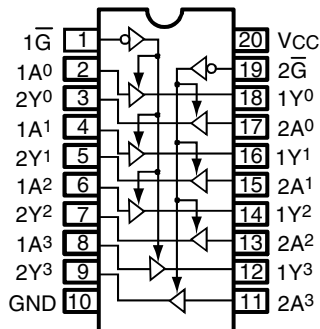
BU4094BC (IC551,552)



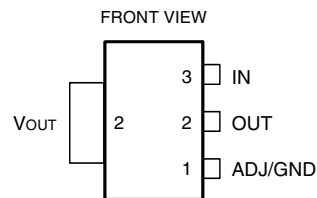
MM74LCX244 (IC809-811)



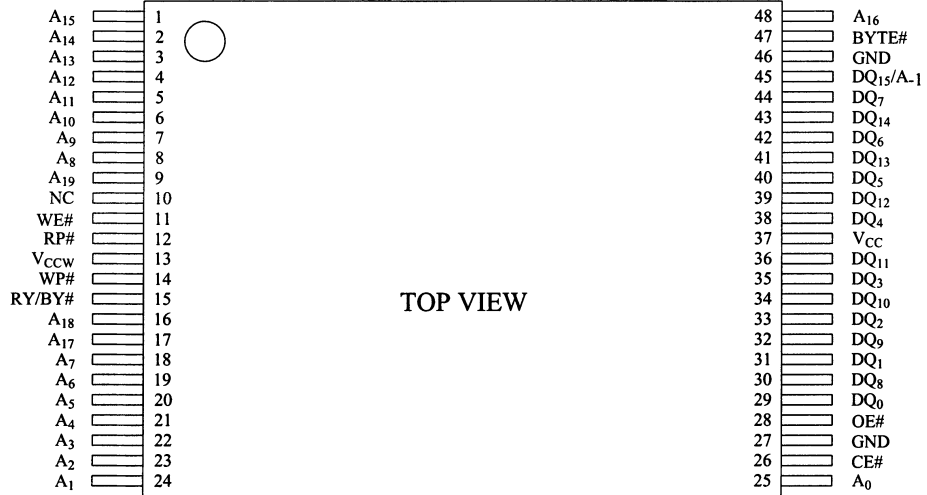
MM74HCT244 (IC812)



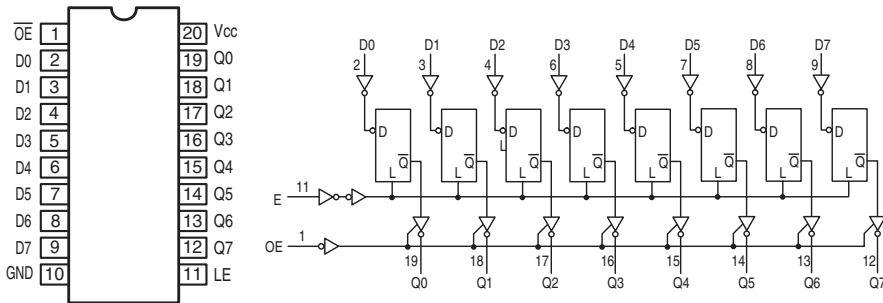
**FAN1117-1.2 (IC824)
RC1117-3.3 (IC823)**



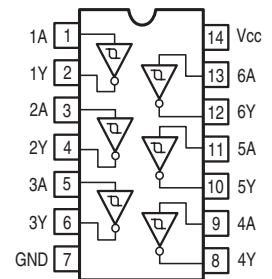
LH28F800BJE (IC805)



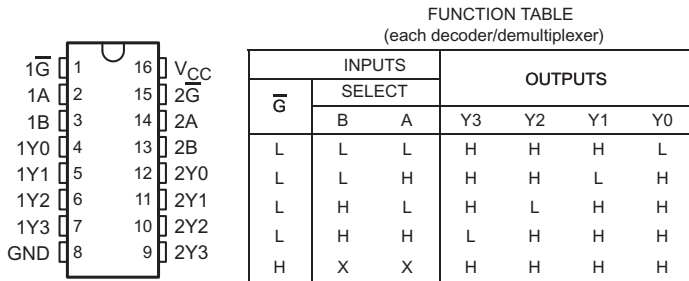
SN74LV573APW (IC818,819)



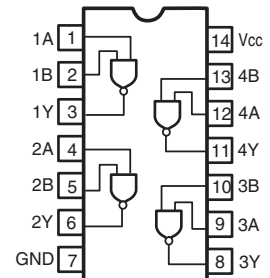
SN74LV14APW (IC829)



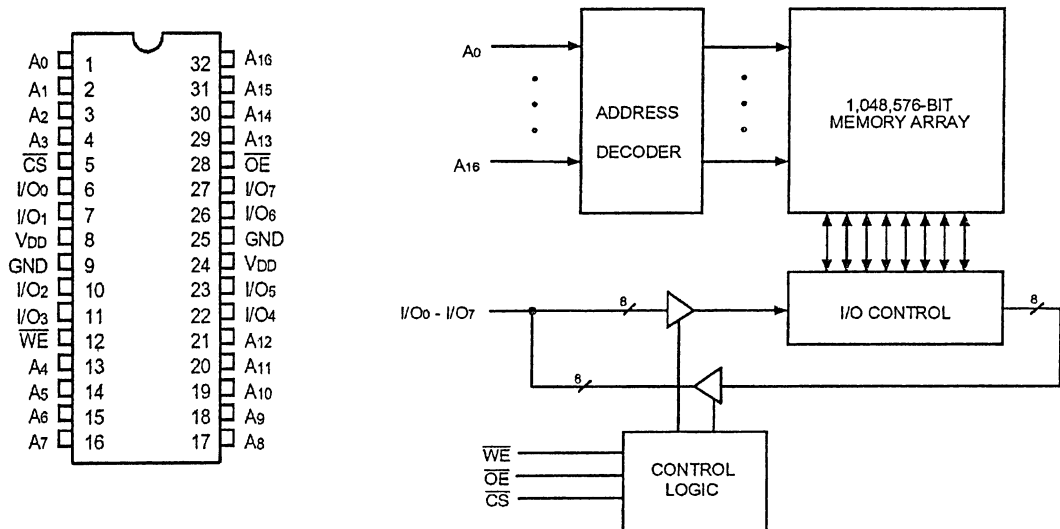
SN74LVC139APWR (IC820)



MM74HCT00MT (IC814,815)

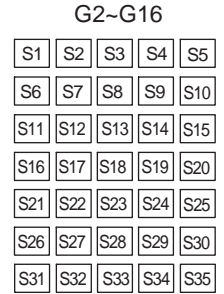
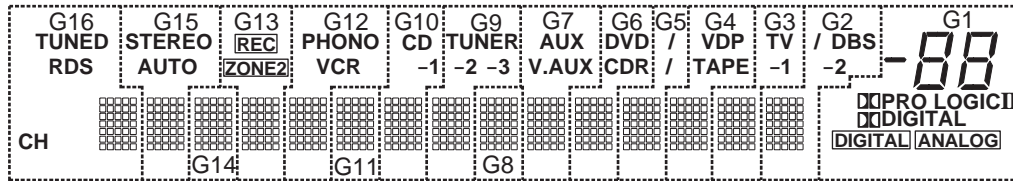
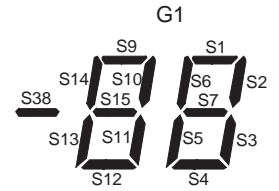
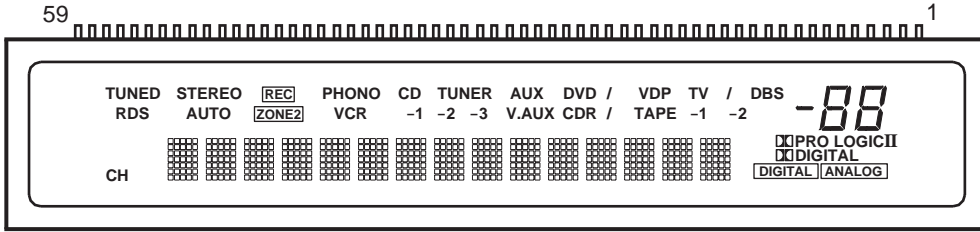


IC63LV1024-10T (IC817)



2. FL DISPLAY

16-ST-82GNK (FL301)



Pin Assignment

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CONNECTION	F1	F1	NP	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17
PIN NO.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CONNECTION	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30	S31	S32	S33	S34	S35	S36	S37
PIN NO.	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
CONNECTION	S38	G16	G15	G14	G13	G12	G11	G10	G9	G8	G7	G6	G5	G4	G3	G2	G1	F2	F2	

F1, F2 : Filament
 G1~G16: Grid
 S1~S38 : Anode

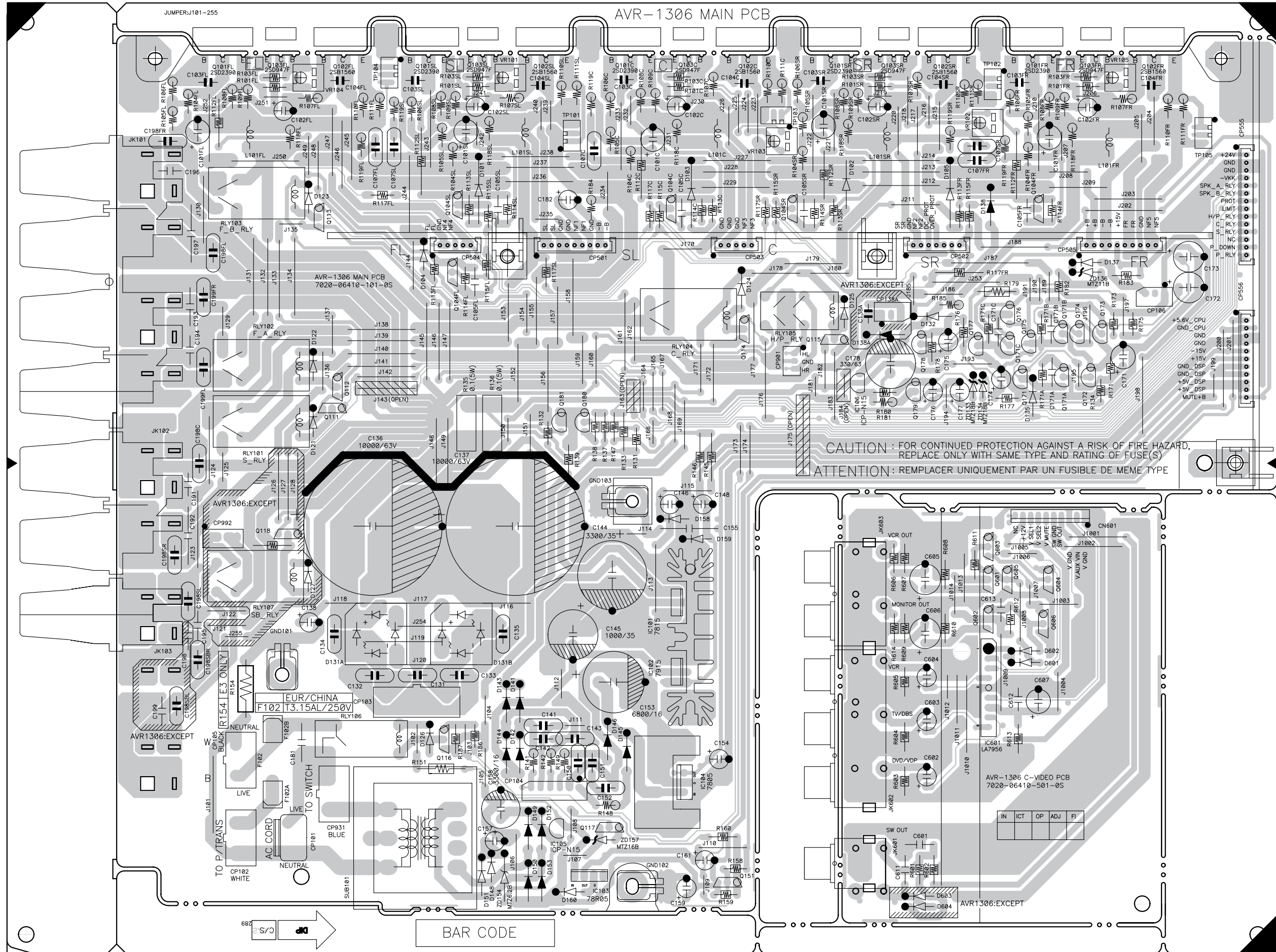
Anode & Grid Assignment

	G1	G2~G16		G1	G2~G16		G1	G2~G16		G1	G2~G16
S1	S1	S1	S10	S10	S10	S19	—	S19	S28	—	S28
S2	S2	S2	S11	S11	S11	S20	—	S20	S29	—	S29
S3	S3	S3	S12	S12	S12	S21	—	S21	S30	—	S30
S4	S4	S4	S13	S13	S13	S22	—	S22	S31	—	S31
S5	S5	S5	S14	S14	S14	S23	—	S23	S32	—	S32
S6	S6	S6	S15	S15	S15	S24	—	S24	S33	—	S33
S7	S7	S7	S16	—	S16	S25	—	S25	S34	—	S34
S8	—	S8	S17	PRO LOGIC II	S17	S26	—	S26	S35	—	S35
S9	S9	S9	S18	PRO LOGIC II	S18	S27	—	S27			

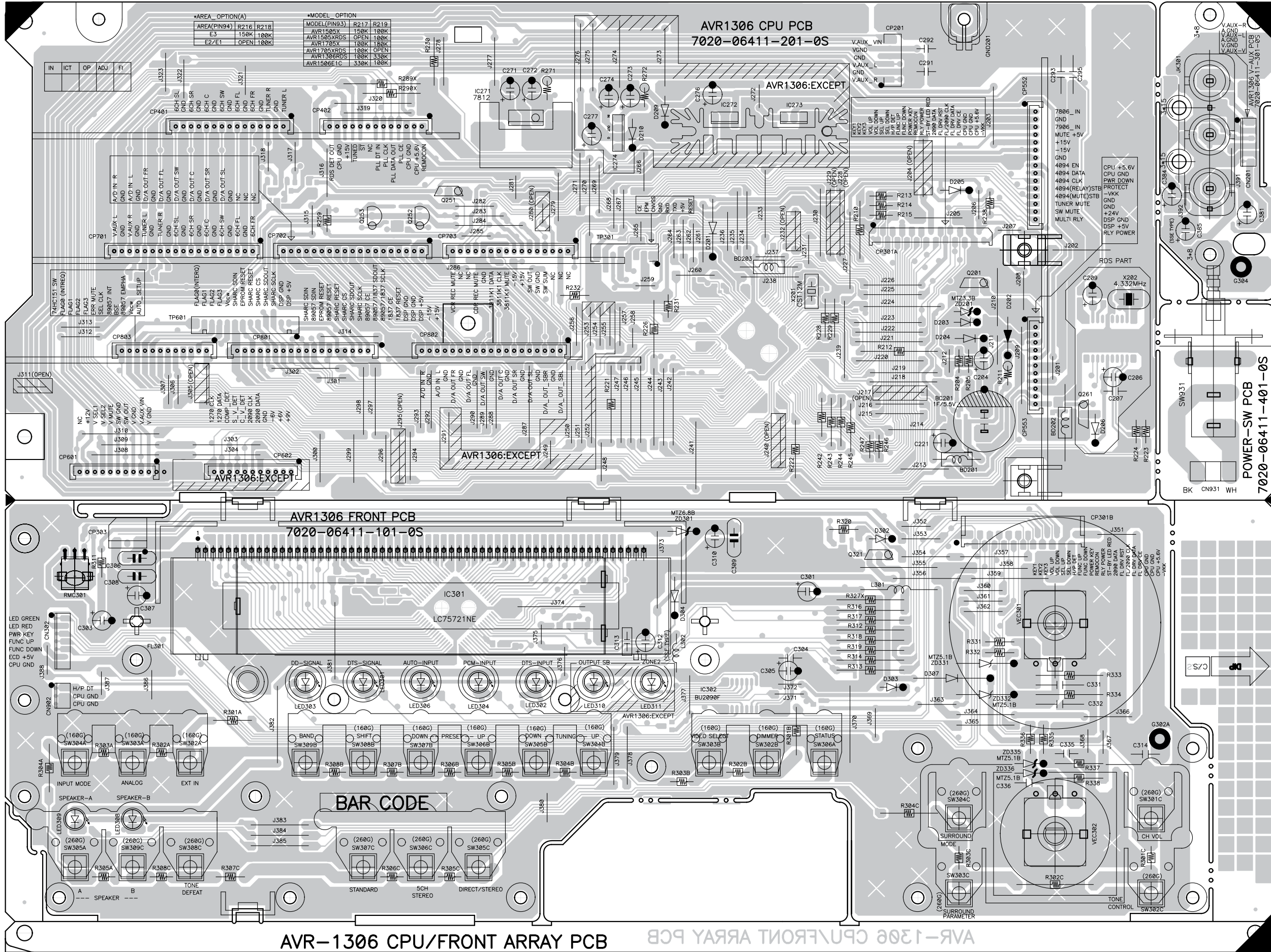
	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15	G16
S36	DIGITAL	/	TV	VDP	((DVD)	DVD	AUX	—	TUNER	CD	—	PHONO	REC	—	STEREO	TUNED
S37	ANALOG	-2	-1	TAPE	((CDR)	CDR	V.AUX	—	-2	-1	—	VCR	ZONE2	—	AUTO	RDS
S38	S38	DBS	—	—	—	—	—	—	-3	—	—	—	—	—	—	CH

PRINTED WIRING BOARDS

MAIN P.W.B. UNIT



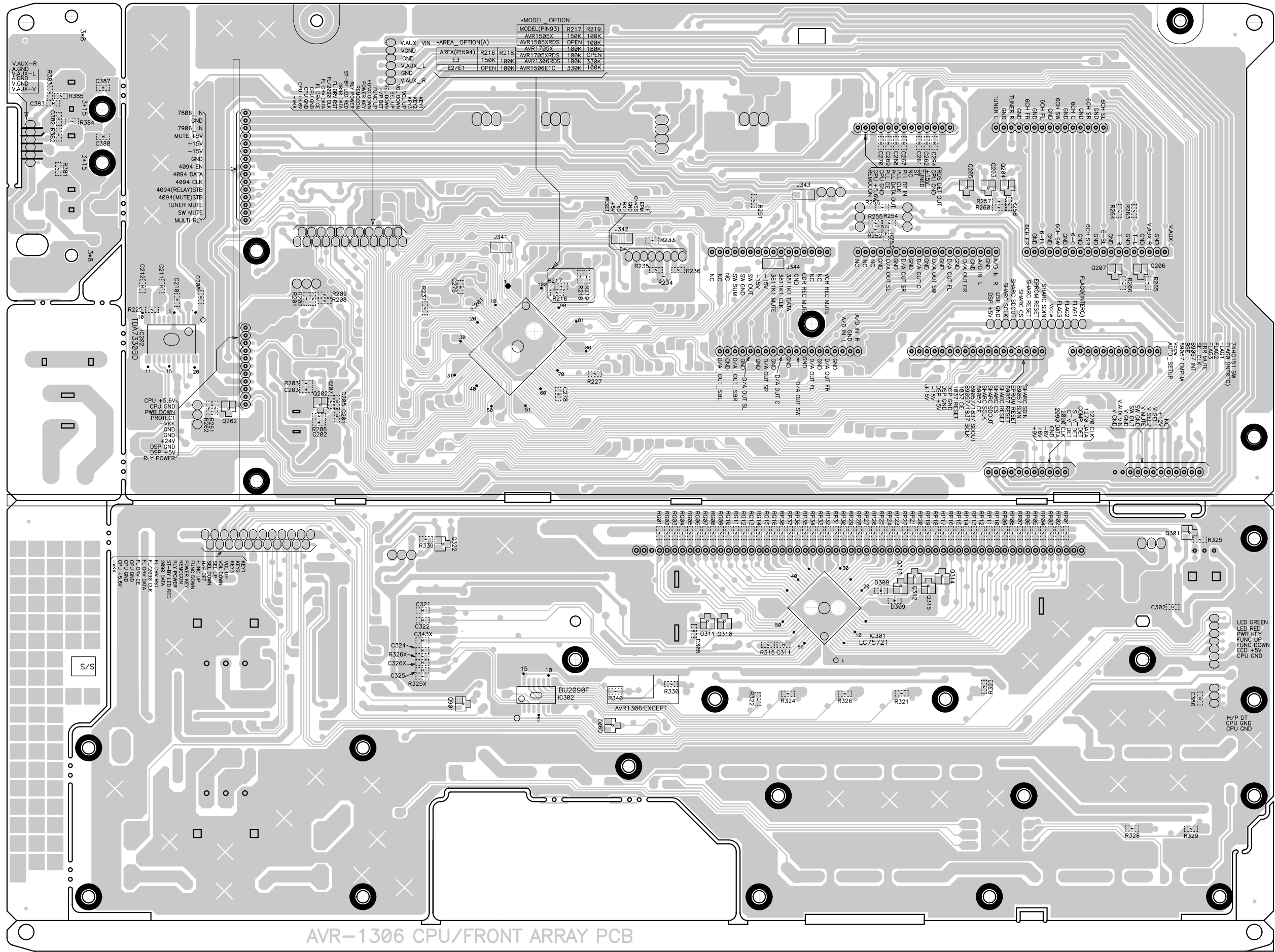
FRONT P.W.B. UNIT



AVR-1306 CPU/Front Array PCB

AVR-1306 CPU/Front Array PCB

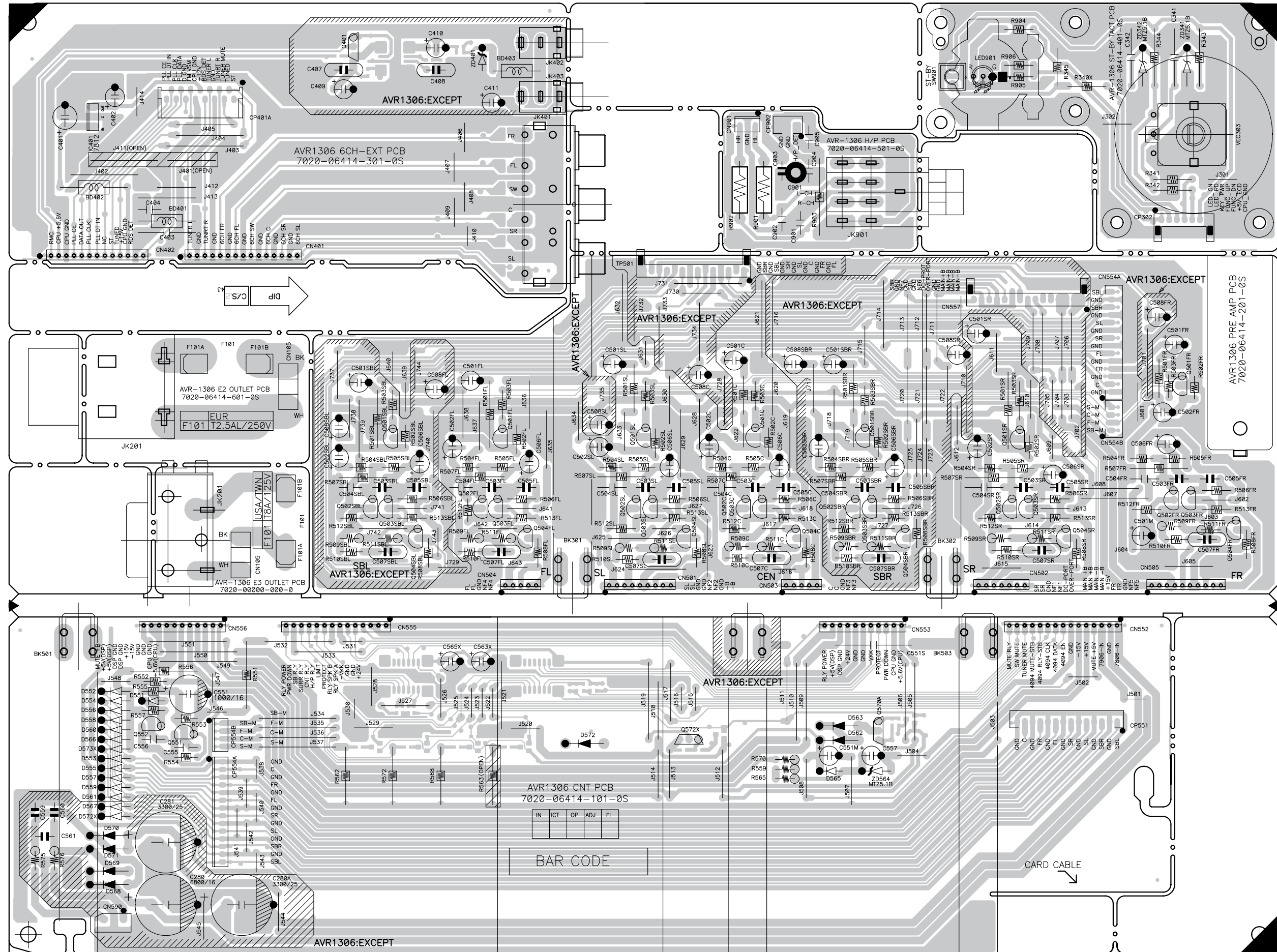
COMPONENT SIDE



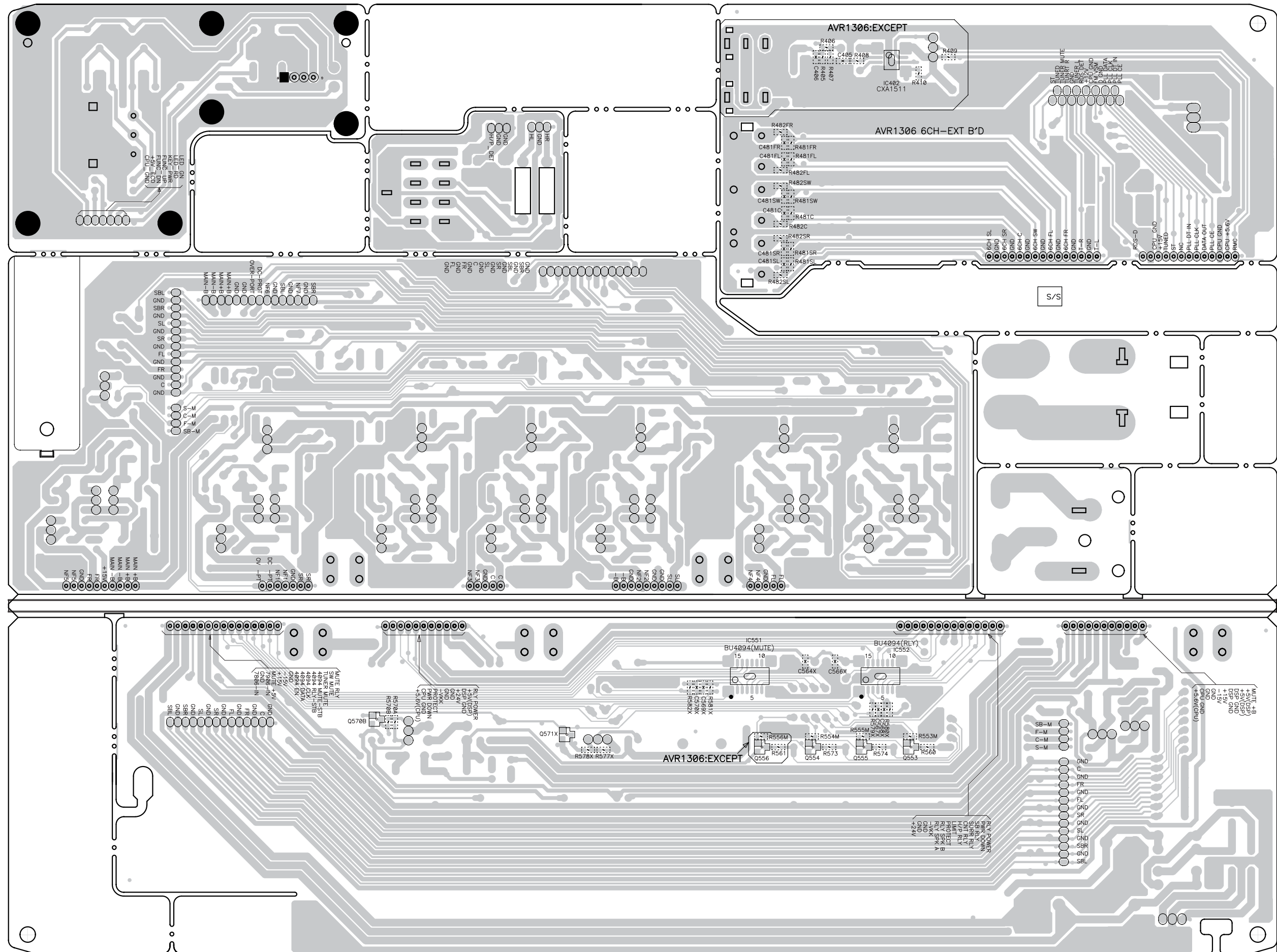
AVR-1306 CPU/Front Array PCB

FOIL SIDE

CNT P.W.B. UNIT

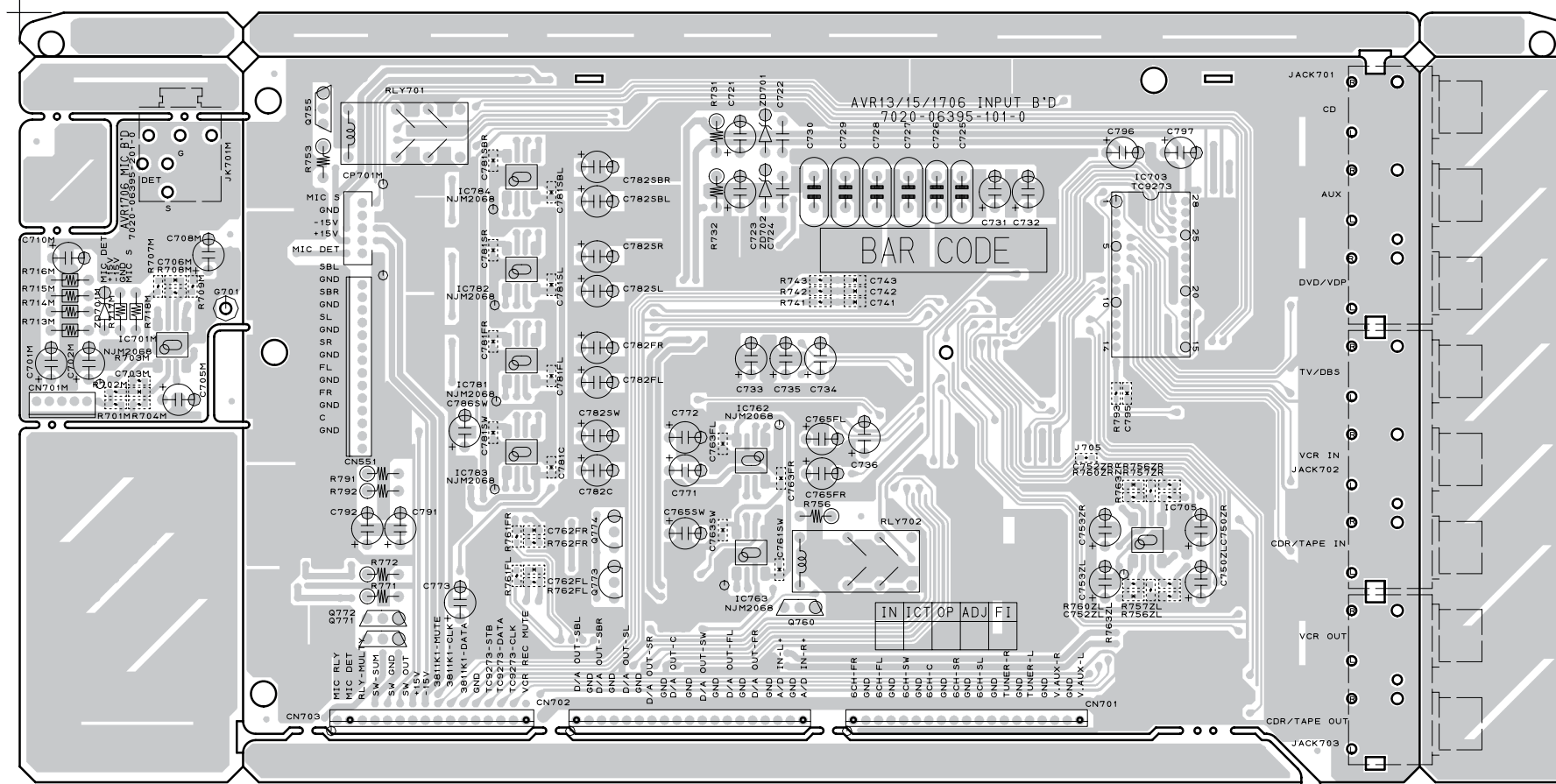


COMPONENT SIDE

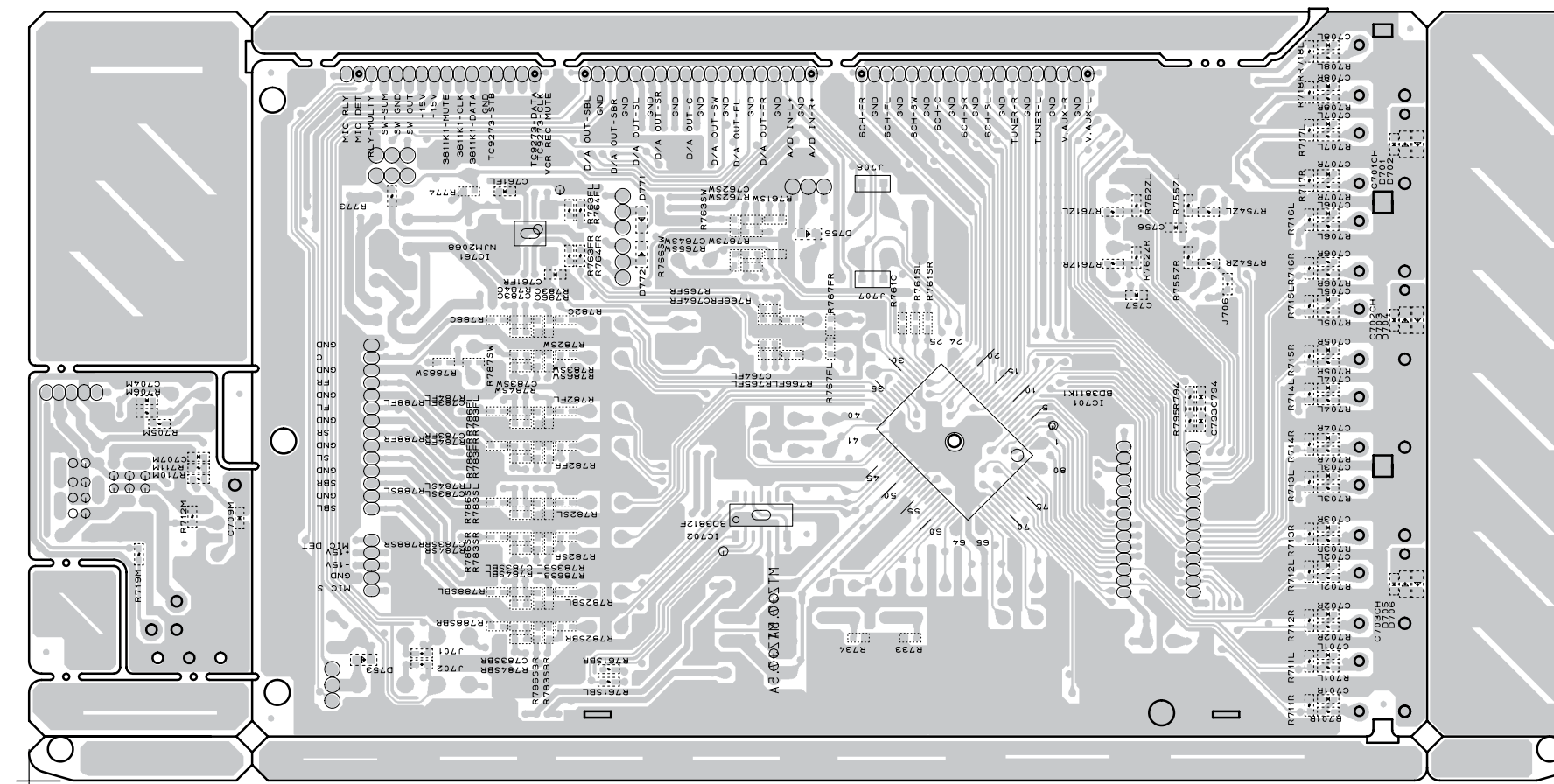


FOIL SIDE

INPUT P.W.B. UNIT

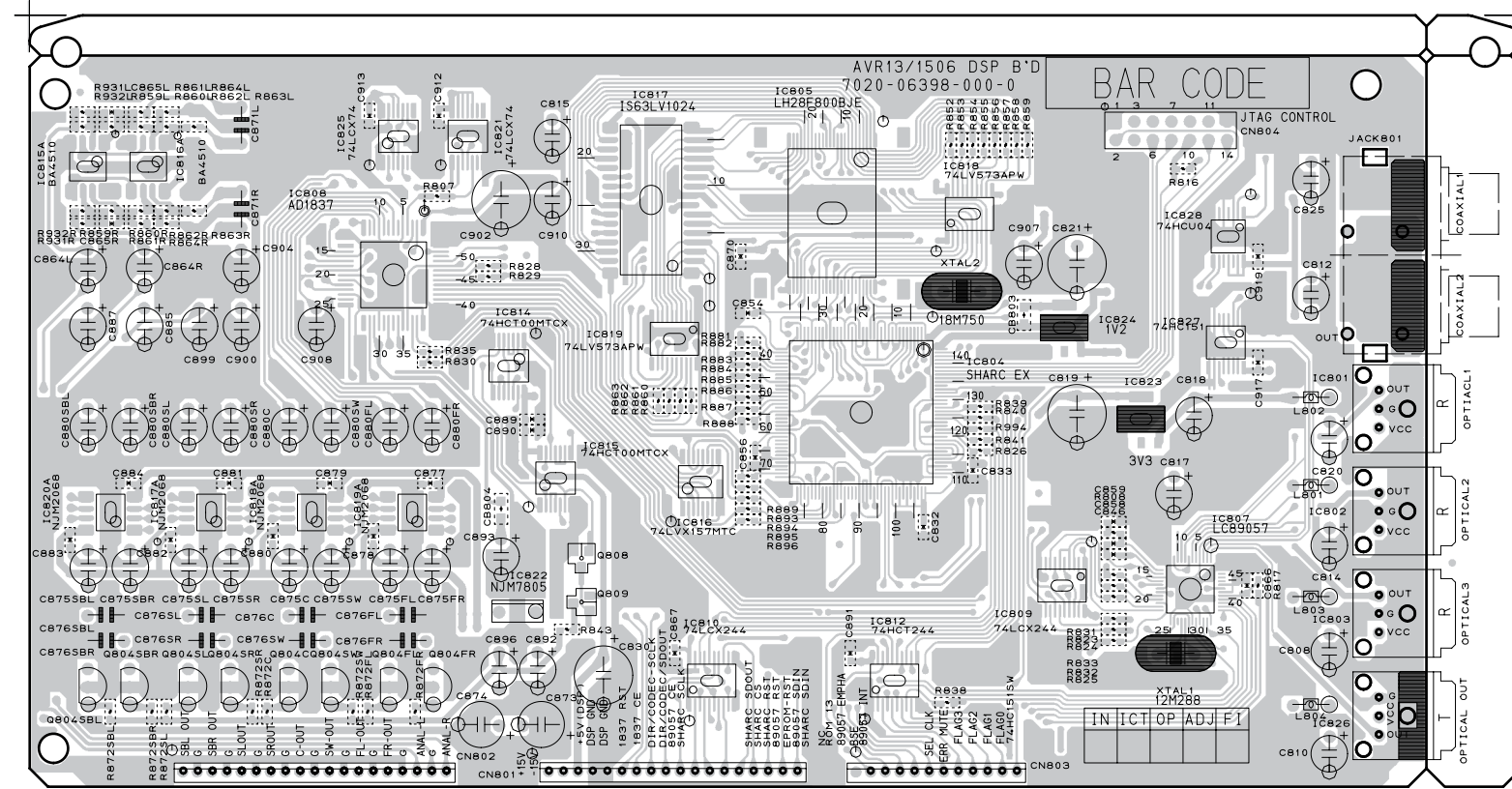


COMPONENT SIDE

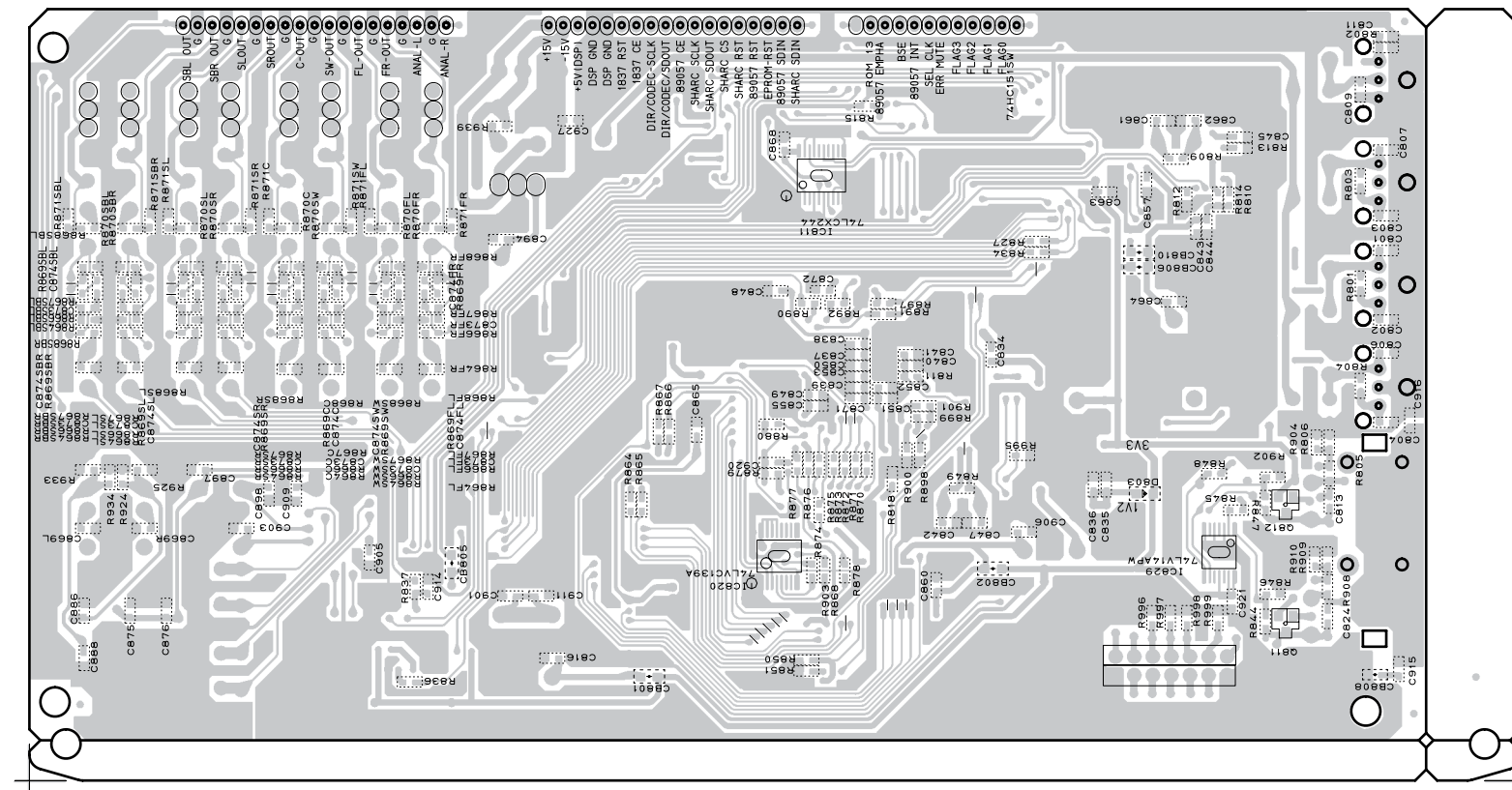


FOIL SIDE

DSP P.W.B. UNIT



COMPONENT SIDE



FOIL SIDE

NOTE FOR PARTS LIST

- Part indicated with the mark "nsp" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
 - When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
 - Ordering part without stating its part number can not be supplied.
 - Part indicated with the mark "★" is not illustrated in the exploded view.
 - Not including Carbon Film Resistor ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)
 - Not including Carbon Chip Resistor 1/16W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)
- WARNING:**
Parts marked with this symbol \triangle have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

● Resistors

Ex.: RN 14K 2E 182 G FR

Type	Shape and performance	Power	Resistance	Allowable error	Others
RD : Carbon RC : Composition RS : Metal oxide film RW : Winding RN : Metal film RK : Metal mixture	2B : 1/8W 2E : 1/4W 2H : 1/2W 3A : 1W 3D : 2W 3F : 3W 3H : 5W	F : ±1% G : ±2% J : ±5% K : ±10% M : ±20%	P : Pulse-resistant type NL : Low noise type NB : Non-burning type FR : Fuse-resistor F : Lead wire forming		

* Resistance

1 8 2 ⇒ 1800 ohm = 1.8 kohm
Indicates number of zeros after effective number.
2-digit effective number.
Units: ohm

1 R 2 ⇒ 1.2 ohm
1-digit effective number.
2-digit effective number, decimal point indicated by R.
Units: ohm

● Capacitors

Ex.: CE 04W 1H 2R2 M BP

Type	Shape and performance	Dielectric strength	Capacity	Allowable error	Others
CE : Aluminum foil electrolytic CA : Aluminum solid electrolytic CS : Tantalum electrolytic CQ : Film CK : Ceramic CC : Ceramic CP : Oil CM : Mica CF : Metallized CH : Metallized	0J : 6.3V 1A : 10V 1C : 16V 1E : 25V 1V : 35V 1H : 50V 2A : 100V 2B : 125V 2C : 160V 2D : 200V 2E : 250V 2H : 500V 2J : 630V	F : ±1% G : ±2% J : ±5% K : ±10% M : ±20% Z : +80% -20% P : +100% -0% C : ±0.25pF D : ±0.5pF = : Others	HS : High stability type BP : Non-polar type HR : Ripple-resistant type DL : For change and discharge HF : For assuring high frequency U : UL part C : CSA part W : UL-CSA type F : Lead wire forming		

* Capacity (electrolyte only)

2 2 2 ⇒ 2200μF
Indicates number of zeros after effective number.
2-digit effective number.
Units: μF.

2 R 2 ⇒ 2.2μF
1-digit effective number.
2-digit effective number, decimal point indicated by R.
Units: μF.

* Capacity (except electrolyte)

2 2 2 ⇒ 2200pF=0.0022μF
(More than 2) — Indicates number of zeros after effective number.
2-digit effective number.
Units: pF.

2 2 1 ⇒ 220pF
(0 or 1) — Indicates number of zeros after effective number.
2-digit effective number.
Units: pF.

When the dielectric strength is indicated in AC, "AC" is included after the dielectric strength value.

部品表について

- nsp 印の部品は常時在庫していませんので供給に長時間を要することがあります。
場合によっては、供給をお断りすることがあります。
- 部品を発注する際は特に数字の " 1 " と英字の " I " との区別をはっきり記入してください。
- 部品番号を表示していない部品は供給できません。
- \triangle 印の部品は安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。
- ★印のついている部品は分解図中には記載していません。
- カーボン抵抗器 ± 5%、1/4W 型は記載していません。定数は回路図を参照願います。
- カーボンチップ抵抗器 1/16W 型は記載していません。定数は回路図を参照願います。
- 部品表の抵抗器、コンデンサの品名記号の読み方は表を参照してください。

● 抵抗器

例) RN 14K 2E 182 G FR

RN	14K	2E	182	G	FR
種類	形状特性	電力	抵抗値	許容差	その他
RD : カーボン RC : 固定体 RS : 金属系皮膜 RW : 巻線 RN : 金属皮膜 RK : 金属混合体	2B : 1/8 W 2E : 1/4 W 2H : 1/2 W 3A : 1 W 3D : 2 W 3F : 3 W 3H : 5 W	F : ±1% G : ±2% J : ±5% K : ±10% M : ±20%	P : 耐パルス形 NL : 低雑音形 NB : 不燃形 FR : ヒューズ抵抗 F : リード線成形		

* 抵抗値

18 2 ⇒ 1800Ω=1.8kΩ
有効数字につづく0の数を表わす。
2桁の有効数字を表わす。

1R 2 ⇒ 1.2Ω
1桁の有効数字を表わす。
2桁の有効数字で小数点はRで表わす。
単位はΩ

● コンデンサ

例) CE 04W 1H 2R2 M BP

CE	04W	1H	2R2	M	BP
種類	形状特性	耐圧	容量	許容差	その他
CE : アルミ箔電解 CA : アルミ固体電解 CS : タンタル電解 CQ : フィルム CK : セラミック CC : セラミック CP : オイル CM : マイカ CF : メタライズド CH : メタライズド	0J : 6.3 V 1A : 10 V 1C : 16 V 1E : 25 V 1V : 35 V 1H : 50 V 2A : 100 V 2B : 125 V 2C : 160 V 2D : 200 V 2E : 250 V 2H : 500 V 2J : 630 V	F : ±1% G : ±2% J : ±5% K : ±10% M : ±20% Z : +80% -20% P : +100% -0%	HS : 高安定形 BP : 無極性形 HR : 耐リップル形 DL : 充放電対策用 HF : 高周波保証用 U : UL 部品 C : CSA 部品 W : UL-CSA 部品 F : リード線成形		

* 容量値

● 電解コンデンサの場合

22 2 ⇒ 2200μF
有効数字につづく0の数を表わす。
2桁の有効数字を表わす。
単位はμF

2R 2 ⇒ 2.2μF
1桁の有効数字を表わす。
2桁の有効数字で小数点はRで表わす。
単位はμF

● 電解コンデンサ以外の場合

22 2 ⇒ 2200pF=0.0022μF
有効数字につづく0の数を表わす。
(0の数が2以上の場合)
2桁の有効数字を表わす。
単位はpF

22 1 ⇒ 220pF
有効数字につづく0の数を表わす。
(0の数が0または1の場合)
2桁の有効数字を表わす。
単位はpF

● 耐圧を交流で表示する場合は、耐圧表示の次に「AC」を表示します。

PARTS LIST OF P.W.B. UNIT

* 本表に記載されている部品は、補修用部品のため製品に使用している部品とは一部、形状、寸法などが異なる場合があります。

* The parts listed below are for maintenance only, might differ from the parts used in the unit in appearances or dimensions.

* "nsp" 印の部品は常時在庫していませんので供給に長時間を要することがあります。場合によっては、供給をお断りする場合があります。

* Part indicated with the mark "nsp" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.

MAIN P.W.B. UNIT ASS'Y

	Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
SEMICONDUCTORS GROUP							
	IC101		00D 963 0219 408	IC CJ7815			
	IC102		00D 963 0219 505	IC CJ7915F			
	IC103		00D 963 0057 806	IC KIA78R05PI			
	IC104		00D 963 0219 204	IC CJ7805			
△	IC105		00D 960 0195 808	IC ICP-N15			
	IC601		00D 963 0148 401	IC LA7956			
	Q104C		00D 960 0196 506	TR KSC1845F			
	Q104FL		00D 960 0196 506	TR KSC1845F			
	Q104FR		00D 960 0196 506	TR KSC1845F			
	Q104SL		00D 960 0196 506	TR KSC1845F			
	Q104SR		00D 960 0196 506	TR KSC1845F			
	Q111		00D 963 0121 208	TR KRC107M			
	Q112		00D 963 0121 208	TR KRC107M			
	Q113		00D 963 0121 208	TR KRC107M			
	Q114		00D 963 0121 208	TR KRC107M			
	Q115		00D 963 0121 208	TR KRC107M			
	Q116		00D 960 0196 409	TR 2SC1740SR			
	Q117		00D 963 0121 208	TR KRC107M			
	Q151		00D 960 0196 409	TR 2SC1740SR			
	Q171		00D 960 0196 700	TR KTC3200BL			
	Q171A		00D 960 0196 302	TR KTA1268BL			
	Q171B		00D 960 0196 302	TR KTA1268BL			
	Q171C		00D 960 0196 302	TR KTA1268BL			
	Q172		00D 960 0196 700	TR KTC3200BL			
	Q173		00D 960 0196 700	TR KTC3200BL			
	Q174		00D 960 0196 700	TR KTC3200BL			
	Q175		00D 960 0196 700	TR KTC3200BL			
	Q176		00D 960 0196 700	TR KTC3200BL			
	Q177		00D 960 0196 700	TR KTC3200BL			
	Q178		00D 960 0196 302	TR KTA1268BL			
	Q179		00D 960 0133 103	TR KSA916Y			
	Q180		00D 960 0196 302	TR KTA1268BL			
	Q181		00D 960 0196 302	TR KTA1268BL			
	Q601		00D 963 0255 802	TR KTC3199Y			
	Q602		00D 963 0255 802	TR KTC3199Y			
	Q603		00D 963 0121 208	TR KRC107M			
	Q604		00D 963 0121 208	TR KRC107M			
	Q605		00D 960 0097 508	TR KRC111M			
	Q606		00D 960 0097 508	TR KRC111M			
	D101		00D 963 0020 309	D, 1SS133			
	D102		00D 963 0020 309	D, 1SS133			
	D103		00D 963 0020 309	D, 1SS133			
	D104		00D 963 0020 309	D, 1SS133			
	D105		00D 963 0020 309	D, 1SS133			
	D121		00D 963 0020 309	D, 1SS133			
	D122		00D 963 0020 309	D, 1SS133			
	D123		00D 963 0020 309	D, 1SS133			
	D124		00D 963 0020 309	D, 1SS133			
	D125		00D 963 0020 309	D, 1SS133			
	D126		00D 963 0020 309	D, 1SS133			
	D131A		00D 960 0197 107	D, KBPC604 6A			
	D131B		00D 960 0197 107	D, KBPC604 6A			
	D132		00D 963 0020 309	D, 1SS133			
	D135		00D 963 0020 309	D, 1SS133			
	D137		00D 963 0020 309	D, 1SS133			

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
D138		00D 963 0058 407	D, 1N4007			
D141		00D 963 0058 407	D, 1N4007			
D142		00D 963 0058 407	D, 1N4007			
D143		00D 963 0058 407	D, 1N4007			
D144		00D 963 0058 407	D, 1N4007			
D145		00D 963 0058 407	D, 1N4007			
D146		00D 963 0058 407	D, 1N4007			
D148		00D 963 0020 309	D, 1SS133			
D149		00D 963 0058 407	D, 1N4007			
D150		00D 963 0058 407	D, 1N4007			
D151		00D 963 0020 309	D, 1SS133			
D152		00D 963 0058 407	D, 1N4007			
D153		00D 963 0058 407	D, 1N4007			
D158		00D 963 0020 309	D, 1SS133			
D159		00D 963 0020 309	D, 1SS133			
D160		00D 963 0020 309	D, 1SS133			
D601		00D 963 0020 309	D, 1SS133			
D602		00D 963 0020 309	D, 1SS133			
ZD133		00D 963 0046 202	D,ZENER MTZJ18B			
ZD134		00D 963 0046 202	D,ZENER MTZJ18B			
ZD136		00D 963 0058 504	D,ZENER MTZJ11B			
ZD154		00D 960 0095 704	D,ZENER MTZJ6.2B			
ZD157		00D 963 0219 903	D,ZENER MTZJ16B			
RESISTORS GROUP						
R104C		00D 963 9006 285	R,FIXED 1WJ-5.6K			
R104FL		00D 963 9006 285	R,FIXED 1WJ-5.6K			
R104FR		00D 963 9006 285	R,FIXED 1WJ-5.6K			
R104SL		00D 963 9006 285	R,FIXED 1WJ-5.6K			
R104SR		00D 963 9006 285	R,FIXED 1WJ-5.6K			
R105C		00D 963 9006 285	R,FIXED 1WJ-5.6K			
R105FL		00D 963 9006 285	R,FIXED 1WJ-5.6K			
R105FR		00D 963 9006 285	R,FIXED 1WJ-5.6K			
R105SL		00D 963 9006 285	R,FIXED 1WJ-5.6K			
R105SR		00D 963 9006 285	R,FIXED 1WJ-5.6K			
R106C		00D 963 0215 907	R,METAL FILM 4.7-J,1W			
R106FL		00D 963 0215 907	R,METAL FILM 4.7-J,1W			
R106FR		00D 963 0215 907	R,METAL FILM 4.7-J,1W			
R106SL		00D 963 0215 907	R,METAL FILM 4.7-J,1W			
R106SR		00D 963 0215 907	R,METAL FILM 4.7-J,1W			
R107C		00D 963 0215 907	R,METAL FILM 4.7-J,1W			
R107FL		00D 963 0215 907	R,METAL FILM 4.7-J,1W			
R107FR		00D 963 0215 907	R,METAL FILM 4.7-J,1W			
R107SL		00D 963 0215 907	R,METAL FILM 4.7-J,1W			
R107SR		00D 963 0215 907	R,METAL FILM 4.7-J,1W			
R108C		00D 963 9006 269	R,FIXED 1WJ-0.22			
R108FL		00D 963 9006 269	R,FIXED 1WJ-0.22			
R108FR		00D 963 9006 269	R,FIXED 1WJ-0.22			
R108SL		00D 963 9006 269	R,FIXED 1WJ-0.22			
R108SR		00D 963 9006 269	R,FIXED 1WJ-0.22			
R109C		00D 963 9006 269	R,FIXED 1WJ-0.22			
R109FL		00D 963 9006 269	R,FIXED 1WJ-0.22			
R109FR		00D 963 9006 269	R,FIXED 1WJ-0.22			
R109SL		00D 963 9006 269	R,FIXED 1WJ-0.22			
R109SR		00D 963 9006 269	R,FIXED 1WJ-0.22			
R110C		00D 963 9006 269	R,FIXED 1WJ-0.22			
R110FL		00D 963 9006 269	R,FIXED 1WJ-0.22			
R110FR		00D 963 9006 269	R,FIXED 1WJ-0.22			
R110SL		00D 963 9006 269	R,FIXED 1WJ-0.22			
R110SR		00D 963 9006 269	R,FIXED 1WJ-0.22			
R111C		00D 963 9006 269	R,FIXED 1WJ-0.22			
R111FL		00D 963 9006 269	R,FIXED 1WJ-0.22			
R111FR		00D 963 9006 269	R,FIXED 1WJ-0.22			

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
R111SL		00D 963 9006 269	R,FIXED 1WJ-0.22			
R111SR		00D 963 9006 269	R,FIXED 1WJ-0.22			
R118C		00D 963 9006 256	R,FIXED 1WJ-10			
R118FL		00D 963 9006 256	R,FIXED 1WJ-10			
R118FR		00D 963 9006 256	R,FIXED 1WJ-10			
R118SL		00D 963 9006 256	R,FIXED 1WJ-10			
R118SR		00D 963 9006 256	R,FIXED 1WJ-10			
R119C		00D 963 9006 256	R,FIXED 1WJ-10			
R119FL		00D 963 9006 256	R,FIXED 1WJ-10			
R119FR		00D 963 9006 256	R,FIXED 1WJ-10			
R119SL		00D 963 9006 256	R,FIXED 1WJ-10			
R119SR		00D 963 9006 256	R,FIXED 1WJ-10			
R135		00D 963 0144 502	R,CEMENT 0.1-J 5W			
R136		00D 963 0144 502	R,CEMENT 0.1-J 5W			
R141		00D 963 0216 003	R,METAL FILM 0.22-J,1W			
R142		00D 963 0216 003	R,METAL FILM 0.22-J,1W			
R148		00D 963 0216 003	R,METAL FILM 0.22-J,1W			
R149		00D 963 0216 003	R,METAL FILM 0.22-J,1W			
R151		00D 963 0232 809	R,METAL FILM 10-J,1/4W			
R179		00D 963 0232 906	R,METAL FILM 47K-F,1/4W			
R181		00D 963 0215 907	R,METAL FILM 4.7-J,1W			
R184		00D 963 9006 256	R,FIXED 1WJ-10			
R185		00D 963 9005 655	R,METAL FILM 22-J,1/4W			
VR101		00D 960 0091 601	VR,SEMI CERMET 1KB			
VR102		00D 960 0091 601	VR,SEMI CERMET 1KB			
VR103		00D 960 0091 601	VR,SEMI CERMET 1KB			
VR104		00D 960 0091 601	VR,SEMI CERMET 1KB			
VR105		00D 960 0091 601	VR,SEMI CERMET 1KB			
CAPACITORS GROUP						
C101C		00D 963 0234 506	C,ELECT 47UF-M/50V			
C101FL		00D 963 0234 506	C,ELECT 47UF-M/50V			
C101FR		00D 963 0234 506	C,ELECT 47UF-M/50V			
C101SL		00D 963 0234 506	C,ELECT 47UF-M/50V			
C101SR		00D 963 0234 506	C,ELECT 47UF-M/50V			
C102C		00D 963 0234 205	C,ELECT 10UF-M/50V			
C102FL		00D 963 0234 205	C,ELECT 10UF-M/50V			
C102FR		00D 963 0234 205	C,ELECT 10UF-M/50V			
C102SL		00D 963 0234 205	C,ELECT 10UF-M/50V			
C102SR		00D 963 0234 205	C,ELECT 10UF-M/50V			
C103C		00D 963 9003 084	C,CERAMIC 100PF-K/500V			
C103FL		00D 963 9003 084	C,CERAMIC 100PF-K/500V			
C103FR		00D 963 9003 084	C,CERAMIC 100PF-K/500V			
C103SL		00D 963 9003 084	C,CERAMIC 100PF-K/500V			
C103SR		00D 963 9003 084	C,CERAMIC 100PF-K/500V			
C104C		00D 963 9003 084	C,CERAMIC 100PF-K/500V			
C104FL		00D 963 9003 084	C,CERAMIC 100PF-K/500V			
C104FR		00D 963 9003 084	C,CERAMIC 100PF-K/500V			
C104SL		00D 963 9003 084	C,CERAMIC 100PF-K/500V			
C104SR		00D 963 9003 084	C,CERAMIC 100PF-K/500V			
C105C		00D 960 9003 108	C,CERAMIC 0.022UF-Z/25V			
C105FL		00D 960 9003 108	C,CERAMIC 0.022UF-Z/25V			
C105FR		00D 960 9003 108	C,CERAMIC 0.022UF-Z/25V			
C105SL		00D 960 9003 108	C,CERAMIC 0.022UF-Z/25V			
C105SR		00D 960 9003 108	C,CERAMIC 0.022UF-Z/25V			
C107C		00D 963 9003 097	C,FILM 0.1UF-K/250V			
C107FL		00D 963 9003 097	C,FILM 0.1UF-K/250V			
C107FR		00D 963 9003 097	C,FILM 0.1UF-K/250V			
C107SL		00D 963 9003 097	C,FILM 0.1UF-K/250V			
C107SR		00D 963 9003 097	C,FILM 0.1UF-K/250V			
C131		00D 963 9003 097	C,FILM 0.1UF-K/250V			
C132		00D 963 9003 097	C,FILM 0.1UF-K/250V			
C133		00D 963 9003 097	C,FILM 0.1UF-K/250V			

	Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
	C134		00D 963 9003 097	C,FILM 0.1UF-K/250V			
	C135		00D 963 9003 097	C,FILM 0.1UF-K/250V			
	C136		00D 254 6242 702	CE68W1J103M(DL)			
	C137		00D 254 6242 702	CE68W1J103M(DL)			
	C138		00D 963 9005 749	C,ELECT 1UF-M/50V			
	C141		00D 963 0021 900	C,FILM 0.047UF-J/100V			
	C142		00D 963 0021 900	C,FILM 0.047UF-J/100V			
	C143		00D 963 0021 900	C,FILM 0.047UF-J/100V			
	C144		00D 963 0217 109	C,ELECT 3300UF-M/35V			
	C145		00D 963 9003 123	C,ELECT 1000UF-M/35V			
	C146		00D 963 9005 749	C,ELECT 1UF-M/50V			
	C148		00D 963 9005 749	C,ELECT 1UF-M/50V			
	C150		00D 963 0021 900	C,FILM 0.047UF-J/100V			
	C151		00D 963 0021 900	C,FILM 0.047UF-J/100V			
	C152		00D 963 0021 900	C,FILM 0.047UF-J/100V			
	C153		00D 963 0021 104	C,ELECT 6800UF-M/16V			
	C154		00D 963 0234 205	C,ELECT 10UF-M/50V			
	C155		00D 963 0020 202	C,CERAMIC 0.1UF-Z/50V			
	C157		00D 963 9005 749	C,ELECT 1UF-M/50V			
	C158		00D 963 0217 002	C,ELECT 3300UF-M/16V			
	C159		00D 963 9005 749	C,ELECT 1UF-M/50V			
	C161		00D 963 0234 205	C,ELECT 10UF-M/50V			
	C171		00D 960 9009 911	C,ELECT 100UF-M/10V			
	C171A		00D 963 0020 202	C,CERAMIC 0.1UF-Z/50V			
	C171B		00D 963 0020 202	C,CERAMIC 0.1UF-Z/50V			
	C171C		00D 963 0020 202	C,CERAMIC 0.1UF-Z/50V			
	C172		00D 963 9005 833	C,ELECT 220UF-M/6.3V			
	C173		00D 963 9005 833	C,ELECT 220UF-M/6.3V			
	C174		00D 963 0234 205	C,ELECT 10UF-M/50V			
	C175		00D 963 9006 544	C,ELECT 22UF-M/25V			
	C176		00D 963 9005 749	C,ELECT 1UF-M/50V			
	C177		00D 963 9005 749	C,ELECT 1UF-M/50V			
	C178		00D 963 9003 149	C,ELECT 330UF-M/63V			
⚠	C181		00D 963 9006 191	C,CERAMIC AC13F472MDOA			
	C182		00D 963 0234 302	C,ELECT 10UF-M/100V			
	C191		00D 963 0233 400	C,CERAMIC 2200PF-K/16V			
	C192		00D 963 0233 400	C,CERAMIC 2200PF-K/16V			
	C193		00D 963 0233 400	C,CERAMIC 2200PF-K/16V			
	C194		00D 963 0233 400	C,CERAMIC 2200PF-K/16V			
	C195		00D 963 0233 400	C,CERAMIC 2200PF-K/16V			
	C196		00D 963 0233 400	C,CERAMIC 2200PF-K/16V			
	C197		00D 963 0233 400	C,CERAMIC 2200PF-K/16V			
	C198C		00D 963 0024 703	C,FILM 0.01UF-J/100V			
	C198FL		00D 963 0024 703	C,FILM 0.01UF-J/100V			
	C198FR		00D 963 0024 703	C,FILM 0.01UF-J/100V			
	C198SL		00D 963 0024 703	C,FILM 0.01UF-J/100V			
	C198SR		00D 963 0024 703	C,FILM 0.01UF-J/100V			
	C199FL		00D 963 0024 703	C,FILM 0.01UF-J/100V			
	C199FR		00D 963 0024 703	C,FILM 0.01UF-J/100V			
	C601		-	C,CERAMIC 100PF-K/50V			
	C602		00D 963 9005 862	C,ELECT 47UF-M/16V			
	C603		00D 963 9005 862	C,ELECT 47UF-M/16V			
	C604		00D 963 9005 862	C,ELECT 47UF-M/16V			
	C605		00D 963 9005 901	C,ELECT 470UF-M/10V			
	C606		00D 963 9005 901	C,ELECT 470UF-M/10V			
	C607		00D 963 9005 794	C,ELECT 100UF-M/16V			
	C611		00D 963 0233 303	C,CERAMIC 0.01UF-M/16V			
	C612		00D 963 0225 609	C,CERAMIC 0.047UF-Z/50V			
	C613		00D 963 0225 609	C,CERAMIC 0.047UF-Z/50V			

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
OTHER PARTS GROUP						
CN601	nsp	00D 963 0256 801	CN.WAFER 10P			*
CP101	nsp	00D 960 0118 908	CN.WAFER 2P			
CP102	nsp	00D 960 0123 304	CN.WAFER 2P			
CP103	nsp	00D 963 0066 208	CN.WAFER 3P			
CP104	nsp	00D 960 0128 804	CN.WAFER 6P			
CP105	nsp	00D 963 0149 109	CN.WAFER 2P (BLACK)			
CP106	nsp	00D 960 0123 207	CN.WAFER 3P			
CP501	nsp	00D 963 0206 505	CN.WAFER 9P			
CP502	nsp	00D 963 0206 408	CN.WAFER 7P			
CP503	nsp	00D 963 0206 301	CN.WAFER 5P			
CP504	nsp	00D 963 0206 301	CN.WAFER 5P			
CP505	nsp	00D 963 0256 908	CN.WAFER 10P			*
CP555	nsp	00D 963 0111 108	CN.WAFER 14P			
CP556	nsp	00D 963 0087 805	CN.WAFER 11P			
CP901	nsp	00D 963 0235 806	CN.WAFER 3P			
CP931	nsp	00D 963 0149 206	CN.WAFER 2P (BLUE)			
⚠ F102		00D 963 0104 801	FUSE T3.15A/250V			
GND101		-	TERMINAL, EARTH			
GND102		-	TERMINAL, EARTH			
GND103		-	TERMINAL, EARTH			
L101C		00D 963 0049 005	COIL,INDUCTOR 0.5UH			
L101FL		00D 963 0049 005	COIL,INDUCTOR 0.5UH			
L101FR		00D 963 0049 005	COIL,INDUCTOR 0.5UH			
L101SL		00D 963 0049 005	COIL,INDUCTOR 0.5UH			
L101SR		00D 963 0049 005	COIL,INDUCTOR 0.5UH			
RLY101		00D 960 0181 702	RELAY, G5PA-28 24V 5A			
RLY102		00D 960 0181 702	RELAY, G5PA-28 24V 5A			
RLY103		00D 960 0181 702	RELAY, G5PA-28 24V 5A			
RLY104		00D 960 0181 702	RELAY, G5PA-28 24V 5A			
RLY105		00D 963 0218 506	RELAY, BC3-24			
RLY106		00D 963 0218 205	RELAY, G5PA-1 DC9V 250V/5A			
⚠ SUB101		00D 963 0215 606	STAND BY TRANS 230V/50HZ			
TP101	nsp	00D 960 0161 405	CN.WAFER 3P			
TP102	nsp	00D 960 0161 405	CN.WAFER 3P			
TP103	nsp	00D 960 0161 405	CN.WAFER 3P			
TP104	nsp	00D 960 0161 405	CN.WAFER 3P			
TP105	nsp	00D 960 0161 405	CN.WAFER 3P			
		00D 963 0146 005	TER,RCA 1PIN			*
		00D 963 0257 004	TER,RCA 2PIN			*
		00D 963 0257 101	TER,RCA 3PIN			
		00D 963 0158 608	2P TER, SP			
		00D 963 0257 208	4P TER, SP			
		00D 963 0119 906	8P TER, SP			*
		-	HEAT SINK			
		-	HEAT SINK			
		-	COVER, CAPACITOR			
	nsp	00D 963 0018 007	SCREW, 3*8 B-TYPE ZNY/BH			
	nsp	00D 960 0005 804	HOLDER,FUSE CLIP	for F102A		
	nsp	00D 960 0005 804	HOLDER,FUSE CLIP	for F102B		

FRONT P.W.B. UNIT ASS'Y

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
SEMICONDUCTORS GROUP						
IC201		00D 262 3542 105	M30622MEP-282FP			
IC202		00D 963 0057 602	IC TDA7330BD			
IC271		00D 963 0252 902	IC CJ7812			
IC301		00D 960 0180 004	IC LC75721E			
IC302		00D 963 0074 504	IC BU2090F			
Q201		00D 963 0121 004	TR KRC104M			
Q202		00D 963 0121 509	TR KTC3875S			
Q203		00D 963 0044 301	TR KTC2875B			
Q204		00D 963 0044 301	TR KTC2875B			
Q205		00D 963 0120 704	TR KRA102S			
Q206		00D 963 0044 301	TR KTC2875B			
Q207		00D 963 0044 301	TR KTC2875B			
Q251		00D 960 0097 207	TR KRA102M			
Q252		00D 960 0196 603	TR KTC2874B			
Q253		00D 960 0196 603	TR KTC2874B			
Q261		00D 963 0102 803	TR 2SA933S			
Q262		00D 960 0111 808	TR KRC107S			
Q301		00D 963 0120 704	TR KRA102S			
Q310		00D 963 0120 704	TR KRA102S			
Q311		00D 963 0120 801	TR KRC102S			
Q312		00D 963 0120 704	TR KRA102S			
Q313		00D 963 0120 801	TR KRC102S			
Q314		00D 963 0120 704	TR KRA102S			
Q315		00D 963 0120 801	TR KRC102S			
Q321		00D 963 0102 803	TR 2SA933S			
Q322		00D 960 0111 808	TR KRC107S			
Q901		00D 963 0120 704	TR KRA102S			
Q902		00D 963 0120 704	TR KRA102S			
D201		00D 963 0020 309	D, 1SS133			
D202		00D 963 0058 407	D, 1N4007			
D203		00D 963 0020 309	D, 1SS133			
D204		00D 963 0020 309	D, 1SS133			
D205		00D 963 0020 309	D, 1SS133			
D206		00D 963 0020 309	D, 1SS133			
D302		00D 963 0020 309	D, 1SS133			
D303		00D 963 0020 309	D, 1SS133			
D304		00D 963 0020 309	D, 1SS133			
D305		00D 963 0219 709	D, 1N4148W			
D307		00D 963 0020 309	D, 1SS133			
D308		00D 963 0219 709	D, 1N4148W			
D309		00D 963 0219 709	D, 1N4148W			
ZD201		00D 963 0047 502	D,ZENER MTZJ3.3B			
ZD301		00D 960 0095 801	D,ZENER MTZJ6.8B			
ZD331		00D 960 0095 500	D,ZENER MTZJ5.1B			
ZD332		00D 960 0095 500	D,ZENER MTZJ5.1B			
ZD335		00D 960 0095 500	D,ZENER MTZJ5.1B			
ZD336		00D 960 0095 500	D,ZENER MTZJ5.1B			
LED301		00D 960 0197 204	LED PI5-RD/HL50RDRF4T			
LED302		00D 960 0197 204	LED PI5-RD/HL50RDRF4T			
LED303		00D 960 0197 204	LED PI5-RD/HL50RDRF4T			
LED304		00D 960 0197 204	LED PI5-RD/HL50RDRF4T			
LED306		00D 960 0197 204	LED PI5-RD/HL50RDRF4T			
LED308		00D 960 0197 204	LED PI5-RD/HL50RDRF4T			
LED309		00D 960 0197 204	LED PI5-RD/HL50RDRF4T			
FL301		00D 963 0257 305	DISPLAY,FLT HNA-16SM13T			*

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
RESISTORS GROUP						
R211		00D 960 9003 807	R,METAL FILM 100-J,1/4W			
R271		00D 963 0215 907	R,METAL FILM 4.7-J,1W			
CAPACITORS GROUP						
C201	nsp	00D 963 9004 698	C,CERAMIC CHIP 0.01UF-K/50V			
C202	nsp	00D 963 9004 711	C,CERAMIC CHIP 0.1UF-Z/50V			
C203	nsp	00D 963 9004 698	C,CERAMIC CHIP 0.01UF-K/50V			
C204		00D 960 9010 764	C,ELECT 4.7UF-M/50V			
C205	nsp	00D 963 9004 711	C,CERAMIC CHIP 0.1UF-Z/50V			
C206		00D 963 9005 862	C,ELECT 47UF-M/16V			
C207		00D 963 0233 303	C,CERAMIC 0.01UF-M/16V			
C208	nsp	00D 963 0223 708	C,CERAMIC CHIP 270PF-J/50V			
C209		00D 963 0234 205	C,ELECT 10UF-M/50V			
C210	nsp	00D 963 9004 698	C,CERAMIC CHIP 0.01UF-K/50V			
C211	nsp	00D 963 9004 614	C,CERAMIC CHIP 27PF-J/50V			
C212	nsp	00D 963 9004 614	C,CERAMIC CHIP 27PF-J/50V			
C221		00D 960 9009 911	C,ELECT 100UF-M/10V			
C261	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C262	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C267	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C268	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C269	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C270	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C271		00D 963 0234 205	C,ELECT 10UF-M/50V			
C272		00D 963 0234 205	C,ELECT 10UF-M/50V			
C275	nsp	00D 963 9004 711	C,CERAMIC CHIP 0.1UF-Z/50V			
C278	nsp	00D 963 9004 711	C,CERAMIC CHIP 0.1UF-Z/50V			
C291		00D 963 9004 517	C,CERAMIC 0.022UF-Z/50V			
C292		00D 963 9004 517	C,CERAMIC 0.022UF-Z/50V			
C293		00D 963 0233 303	C,CERAMIC 0.01UF-M/16V			
C294	nsp	00D 963 9004 698	C,CERAMIC CHIP 0.01UF-K/50V			
C295		00D 963 0233 303	C,CERAMIC 0.01UF-M/16V			
C301		00D 963 0234 205	C,ELECT 10UF-M/50V			
C302	nsp	00D 963 0234 001	C,CERAMIC CHIP 0.047UF-Z/50V			
C303		00D 963 9005 862	C,ELECT 47UF-M/16V			
C304		00D 960 9003 108	C,CERAMIC 0.022UF-Z/25V			
C305		00D 963 9005 862	C,ELECT 47UF-M/16V			
C306		00D 963 0216 401	C,FILM 0.1UF-J/100V			
C307		00D 963 9005 749	C,ELECT 1UF-M/50V			
C308		00D 963 0021 900	C,FILM 0.047UF-J/100V			
C309		00D 963 0021 900	C,FILM 0.047UF-J/100V			
C310		00D 963 9005 749	C,ELECT 1UF-M/50V			
C311	nsp	00D 963 0233 701	C,CERAMIC CHIP 30PF-J/50V			
C312		00D 963 9005 859	C,ELECT 47UF-M/16V			
C313		00D 963 0216 702	C,FILM 0.047UF-J/63V			
C321	nsp	00D 963 0224 105	C,CERAMIC CHIP 1000PF-K/50V			
C322	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C324	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C325	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C326X	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C331		00D 963 0233 303	C,CERAMIC 0.01UF-M/16V			
C332		00D 963 0233 303	C,CERAMIC 0.01UF-M/16V			
C335		00D 963 0233 303	C,CERAMIC 0.01UF-M/16V			
C336		00D 963 0233 303	C,CERAMIC 0.01UF-M/16V			
C343X	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C381		00D 963 9005 862	C,ELECT 47UF-M/16V			
C382	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C383	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C384		00D 963 9005 749	C,ELECT 1UF-M/50V			
C385		00D 963 9005 749	C,ELECT 1UF-M/50V			
C386	nsp	00D 963 0234 001	C,CERAMIC CHIP 0.047UF-Z/50V			
C387	nsp	00D 963 9004 711	C,CERAMIC CHIP 0.1UF-Z/50V			
C388	nsp	00D 963 9004 711	C,CERAMIC CHIP 0.1UF-Z/50V			

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
BC201		00D 254 4666 005	CE04W0H105ZC(FG)			
OTHER PARTS GROUP						
BD201 BD202 BD203		00D 963 0154 602 00D 963 0154 602 00D 963 0154 602	BEAD,COIL BEAD,COIL BEAD,COIL			
CN201	nsp	00D 963 0253 202	CN,WIRE 210MM/6P			
CN302 CN902 CN931	nsp nsp nsp	00D 963 0159 209 00D 963 0246 002 00D 963 0148 809	CN,WIRE 100MM/7P CN,WIRE 80MM/3P CN,WIRE 350MM/2P			
CP201	nsp	00D 963 0097 604	CN.WAFER 6P			
CP301A CP301B CP303 CP401 CP402	nsp nsp nsp nsp nsp	00D 963 0161 103 00D 963 0161 006 00D 963 0236 009 00D 963 0097 507 00D 960 0239 609	CN.FPC 23P CN.FPC 23P CN.WAFER 3P CN.WAFER 15P CN.WAFER 13P			
CP552 CP553 CP601 CP701 CP702	nsp nsp nsp nsp nsp	00D 963 0097 507 00D 963 0087 805 00D 963 0256 908 00D 963 0087 504 00D 963 0087 504	CN.WAFER 15P CN.WAFER 11P CN.WAFER 10P CN.WAFER 19P CN.WAFER 19P			*
CP703 CP801 CP802 CP803	nsp nsp nsp nsp	00D 963 0087 407 00D 963 0087 601 00D 963 0087 504 00D 963 0235 709	CN.WAFER 16P CN.WAFER 18P CN.WAFER 19P CN.WAFER 12P			
G304 GND201 L301	nsp	00D 963 0257 509 - 00D 960 0128 008	RING,TER WIRE 80MM/1P TERMINAL, EARTH COIL,INDUCTOR 100UH			*
L302 RMC301 SW301C		00D 960 0010 307 00D 963 0217 808 00D 963 0200 103	COIL,INDUCTOR 10UH MODULE,REMOCON NJL34H380A SW,TACT SKHV10920A			
SW302A SW302B SW302C SW303A SW303B		00D 963 0095 305 00D 963 0095 305 00D 963 0200 103 00D 963 0095 305 00D 963 0095 305	SW,TACT SKHV10910D01 SW,TACT SKHV10910D01 SW,TACT SKHV10920A SW,TACT SKHV10910D01 SW,TACT SKHV10910D01			
SW303C SW304A SW304B SW304C SW305A		00D 963 0200 103 00D 963 0095 305 00D 963 0095 305 00D 963 0200 103 00D 963 0200 103	SW,TACT SKHV10920A SW,TACT SKHV10910D01 SW,TACT SKHV10910D01 SW,TACT SKHV10920A SW,TACT SKHV10920A			
SW305B SW305C SW306A SW306B SW306C		00D 963 0095 305 00D 963 0200 103 00D 963 0095 305 00D 963 0095 305 00D 963 0200 103	SW,TACT SKHV10910D01 SW,TACT SKHV10920A SW,TACT SKHV10910D01 SW,TACT SKHV10910D01 SW,TACT SKHV10920A			
SW307B SW307C SW308B SW308C SW309B		00D 963 0095 305 00D 963 0200 103 00D 963 0095 305 00D 963 0200 103 00D 963 0095 305	SW,TACT SKHV10910D01 SW,TACT SKHV10920A SW,TACT SKHV10910D01 SW,TACT SKHV10920A SW,TACT SKHV10910D01			
SW309C SW931		00D 963 0200 103 00D 963 0145 802	SW,TACT SKHV10920A SW,PUSH SDDL-005-S(C-UL)			
TP301 TP601		00D 963 0060 709 00D 960 0123 605	CN.WAFER 8P CN.WAFER 13P			

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
VEC301		00D 963 0095 208	SW,ENCODER EC16B24SA			
VEC302		00D 963 0095 208	SW,ENCODER EC16B24SA			
X201		00D 963 0217 701	RESONATOR,CERAMIC ZTT12.00MT			
X202		00D 963 0217 604	CRYSTAL 4.332MHZ			
	nsp	00D 963 0146 403	TER,RCA 3PIN			
		00D 960 0184 408	HOLDER, FLT			
		-	HEAT SINK			
	nsp	00D 963 0018 007	SCREW, 3*8 B-TYPE ZNY/BH			

CNT P.W.B. UNIT ASS'Y

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
SEMICONDUCTORS GROUP						
IC401 IC551 IC552		00D 960 0296 105 00D 963 0218 807 00D 963 0218 807	IC CJ7812F IC BU4094BCF IC BU4094BCF			
Q501C Q501FL Q501FR Q501SL Q501SR		00D 960 0196 603 00D 960 0196 603 00D 960 0196 603 00D 960 0196 603 00D 960 0196 603	TR KTC2874B TR KTC2874B TR KTC2874B TR KTC2874B TR KTC2874B			
Q502C Q502FL Q502FR Q502SL Q502SR		00D 960 0196 205 00D 960 0196 205 00D 960 0196 205 00D 960 0196 205 00D 960 0196 205	TR KSA992F TR KSA992F TR KSA992F TR KSA992F TR KSA992F			
Q503C Q503FL Q503FR Q503SL Q503SR		00D 960 0196 205 00D 960 0196 205 00D 960 0196 205 00D 960 0196 205 00D 960 0196 205	TR KSA992F TR KSA992F TR KSA992F TR KSA992F TR KSA992F			
Q504C Q504FL Q504FR Q504SL Q504SR		00D 960 0196 506 00D 960 0196 506 00D 960 0196 506 00D 960 0196 506 00D 960 0196 506	TR KSC1845F TR KSC1845F TR KSC1845F TR KSC1845F TR KSC1845F			
Q551 Q552 Q553 Q554 Q555		00D 960 0196 700 00D 960 0196 302 00D 963 0120 704 00D 963 0120 704 00D 963 0120 704	TR KTC3200BL TR KTA1268BL TR KRA102S TR KRA102S TR KRA102S			
Q570A Q570B Q571X Q572X		00D 960 0005 105 00D 963 0121 606 00D 963 0121 606 00D 960 0005 105	TR KTA1266Y TR KRC107S TR KRC107S TR KTA1266Y			
D551 D552 D553 D554 D555		00D 963 0020 309 00D 963 0020 309 00D 963 0020 309 00D 963 0020 309 00D 963 0020 309	D, 1SS133 D, 1SS133 D, 1SS133 D, 1SS133 D, 1SS133			
D556 D557 D558 D559 D560		00D 963 0020 309 00D 963 0020 309 00D 963 0020 309 00D 963 0020 309 00D 963 0020 309	D, 1SS133 D, 1SS133 D, 1SS133 D, 1SS133 D, 1SS133			
D561 D562 D563 D565 D572		00D 963 0020 309 00D 963 0058 407 00D 963 0058 407 00D 963 0020 309 00D 963 0058 407	D, 1SS133 D, 1N4007 D, 1N4007 D, 1SS133 D, 1N4007			
ZD341 ZD342 ZD564		00D 960 0095 500 00D 960 0095 500 00D 960 0095 500	D,ZENER MTZJ5.1B D,ZENER MTZJ5.1B D,ZENER MTZJ5.1B			
LED901		00D 963 0148 605	LED, SML1216W (RED/GREEN)			
RESISTORS GROUP						
R509C R509FL R509FR R509SL		00D 960 9005 902 00D 960 9005 902 00D 960 9005 902 00D 960 9005 902	R,METAL FILM 1.2K-J,1/4W R,METAL FILM 1.2K-J,1/4W R,METAL FILM 1.2K-J,1/4W R,METAL FILM 1.2K-J,1/4W			

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
R509SR		00D 960 9005 902	R,METAL FILM 1.2K-J,1/4W			
R511C		00D 960 9004 301	R,METAL FILM 47-J,1/4W			
R511FL		00D 960 9004 301	R,METAL FILM 47-J,1/4W			
R511FR		00D 960 9004 301	R,METAL FILM 47-J,1/4W			
R511SL		00D 960 9004 301	R,METAL FILM 47-J,1/4W			
R511SR		00D 960 9004 301	R,METAL FILM 47-J,1/4W			
R559		00D 960 9005 642	R,METAL FILM 1.2K-J,1W			
R565		00D 960 9005 642	R,METAL FILM 1.2K-J,1W			
R570		00D 960 9005 642	R,METAL FILM 1.2K-J,1W			
R901		00D 960 9009 270	R,METAL 470-J,2W			
R902		00D 960 9009 270	R,METAL 470-J,2W			
CAPACITORS GROUP						
C341		00D 963 0233 303	C,CERAMIC 0.01UF-M/16V			
C342		00D 963 0233 303	C,CERAMIC 0.01UF-M/16V			
C401		00D 963 9005 804	C,ELECT 100UF-M/25V			
C402		00D 963 9005 778	C,ELECT 10UF-M/50V			
C403		00D 963 0233 303	C,CERAMIC 0.01UF-M/16V			
C404		00D 963 0233 303	C,CERAMIC 0.01UF-M/16V			
C481C	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C481FL	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C481FR	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C481SL	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C481SR	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C481SW	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C501C		00D 963 9006 544	C,ELECT 22UF-M/25V			
C501FL		00D 963 9006 544	C,ELECT 22UF-M/25V			
C501FR		00D 963 9006 544	C,ELECT 22UF-M/25V			
C501M		00D 963 0234 205	C,ELECT 10UF-M/50V			
C501SL		00D 963 9006 544	C,ELECT 22UF-M/25V			
C501SR		00D 963 9006 544	C,ELECT 22UF-M/25V			
C502C		00D 963 0234 205	C,ELECT 10UF-M/50V			
C502FL		00D 963 0234 205	C,ELECT 10UF-M/50V			
C502FR		00D 963 0234 205	C,ELECT 10UF-M/50V			
C502SL		00D 963 0234 205	C,ELECT 10UF-M/50V			
C502SR		00D 963 0234 205	C,ELECT 10UF-M/50V			
C503C		00D 963 0216 207	C,CERAMIC 220PF 500V			
C503FL		00D 963 0216 207	C,CERAMIC 220PF 500V			
C503FR		00D 963 0216 207	C,CERAMIC 220PF 500V			
C503SL		00D 963 0216 207	C,CERAMIC 220PF 500V			
C503SR		00D 963 0216 207	C,CERAMIC 220PF 500V			
C504C		-	C,CERAMIC 220PF-K/50V			
C504FL		-	C,CERAMIC 220PF-K/50V			
C504FR		-	C,CERAMIC 220PF-K/50V			
C504SL		-	C,CERAMIC 220PF-K/50V			
C504SR		-	C,CERAMIC 220PF-K/50V			
C505C		00D 963 0216 100	C,CERAMIC 33PF-J/500V			
C505FL		00D 963 0216 100	C,CERAMIC 33PF-J/500V			
C505FR		00D 963 0216 100	C,CERAMIC 33PF-J/500V			
C505SL		00D 963 0216 100	C,CERAMIC 33PF-J/500V			
C505SR		00D 963 0216 100	C,CERAMIC 33PF-J/500V			
C506C		00D 960 9009 911	C,ELECT 100UF-M/10V			
C506FL		00D 960 9009 911	C,ELECT 100UF-M/10V			
C506FR		00D 960 9009 911	C,ELECT 100UF-M/10V			
C506SL		00D 960 9009 911	C,ELECT 100UF-M/10V			
C506SR		00D 960 9009 911	C,ELECT 100UF-M/10V			
C507C		00D 963 9003 194	C,FILM 0.0022UF-J/100V			
C507FL		00D 963 9003 194	C,FILM 0.0022UF-J/100V			
C507FR		00D 963 9003 194	C,FILM 0.0022UF-J/100V			
C507SL		00D 963 9003 194	C,FILM 0.0022UF-J/100V			
C507SR		00D 963 9003 194	C,FILM 0.0022UF-J/100V			
C551		00D 963 0257 606	C,ELECT 1000UF-M/16V			*
C551M		00D 963 0234 205	C,ELECT 10UF-M/50V			
C551S		00D 963 0225 609	C,CERAMIC 0.047UF-Z/50V			

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
C555		00D 963 0233 303	C,CERAMIC 0.01UF-M/16V			
C556		00D 963 0233 303	C,CERAMIC 0.01UF-M/16V			
C557		00D 963 0234 205	C,ELECT 10UF-M/50V			
C563X		00D 963 0234 205	C,ELECT 10UF-M/50V			
C564X	nsp	00D 960 9010 094	C,CERAMIC CHIP 0.01UF-Z/50V			
C565X		00D 963 0234 205	C,ELECT 10UF-M/50V			
C566X	nsp	00D 960 9010 094	C,CERAMIC CHIP 0.01UF-Z/50V			
C567X	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C568X	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C569X	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C570X	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C901		00D 963 0233 206	C,CERAMIC 0.001UF-K/50V			
C902		00D 963 0233 206	C,CERAMIC 0.001UF-K/50V			
C903		00D 963 0233 109	C,CERAMIC 0.01UF-Z/50V			
C904		00D 960 9003 108	C,CERAMIC 0.022UF-Z/25V			
C905		00D 963 0020 202	C,CERAMIC 0.1UF-Z/50V			
OTHER PARTS GROUP						
BD401		00D 963 0154 602	BEAD,COIL			
BD402		00D 963 0154 602	BEAD,COIL			
CN105	nsp	00D 963 0148 702	CN,WIRE 120MM/2P			
CN402	nsp	00D 960 0239 900	CN.WAFER 13P			
CN501	nsp	00D 963 0085 506	CN.WAFER 9P			
CN502	nsp	00D 963 0086 505	CN.WAFER 7P			
CN503	nsp	00D 963 0205 700	CN.WAFER 5P			
CN504	nsp	00D 963 0205 700	CN.WAFER 5P			
CN505	nsp	00D 963 0257 703	CN.WAFER 10P			*
CN552	nsp	00D 963 0097 303	CN.WAFER 15P			
CN553	nsp	00D 963 0086 709	CN.WAFER 11P			
CN554A	nsp	00D 963 0253 406	CN.WAFER 14P			
CN554B	nsp	00D 963 0235 903	CN.WAFER 4P			
CN555	nsp	00D 963 0110 701	CN.WAFER 14P			
CN556	nsp	00D 963 0086 709	CN.WAFER 11P			
CN901	nsp	00D 963 0184 601	CN,WIRE 260MM/3P			
CP302	nsp	00D 963 0257 800	CN.WAFER 7P			*
CP401	nsp	00D 963 0097 303	CN.WAFER 15P			
CP401A	nsp	00D 963 0149 303	CN.FPC 15P			
CP551	nsp	00D 963 0253 406	CN.WAFER 14P			
CP554A	nsp	00D 963 0184 805	CN,WIRE 80MM/14P			
CP554B	nsp	00D 963 0184 708	CN,WIRE 80MM/4P			
CP902	nsp	00D 963 0235 806	CN.WAFER 3P			
⚠ F101		00D 963 0104 704	FUSE T2.5A/250V			
G901	nsp	00D 963 0257 907	CN,1P WIRE LUGPIN 160MM			*
⚠ JK201		00D 960 0143 203	AC OUTLET			
JK901		00D 963 0095 402	JACK PHONE, D6.5			
SW901		00D 963 0200 103	SW,TACT SKHV10920A			
VEC303		00D 963 0095 208	SW,ENCODER EC16B24SA			
	nsp	00D 960 0268 803	TER,RCA 6PIN			
	nsp	00D 960 0184 000	BRACKET, SCREW			
	nsp	00D 960 0005 804	HOLDER,FUSE CLIP	for F101A		
	nsp	00D 960 0005 804	HOLDER,FUSE CLIP	for F101B		

INPUT P.W.B. UNIT ASS'Y

	Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
SEMICONDUCTORS GROUP							
	IC701		00D 963 0096 401	IC BD3811K1			
	IC761		00D 963 0202 305	IC NJM2068M			
	IC762		00D 963 0202 305	IC NJM2068M			
	IC763		00D 963 0202 305	IC NJM2068M			
	IC781		00D 963 0202 305	IC NJM2068M			
	IC782		00D 963 0202 305	IC NJM2068M			
	IC783		00D 963 0202 305	IC NJM2068M			
	Q771		00D 963 0121 004	TR KRC104M			
	Q772		00D 960 0097 207	TR KRA102M			
	Q773		00D 960 0196 807	FET 2SK117Y			
	Q774		00D 960 0196 807	FET 2SK117Y			
	D771		00D 963 0219 709	D, 1N4148W			
	D772		00D 963 0219 709	D, 1N4148W			
	ZD701		00D 960 0222 603	D,ZENER MTZJ7.5A			
	ZD702		00D 960 0222 603	D,ZENER MTZJ7.5A			
RESISTORS GROUP							
	R731		00D 963 9005 668	R,METAL FILM 220-J,1W			
	R732		00D 963 9005 668	R,METAL FILM 220-J,1W			
	R771		00D 963 9005 639	R,METAL FILM 100-J,1W			
	R772		00D 963 9005 639	R,METAL FILM 100-J,1W			
	R791		00D 963 9005 639	R,METAL FILM 100-J,1W			
	R792		00D 963 9005 639	R,METAL FILM 100-J,1W			
CAPACITORS GROUP							
	C701CH	nsp	00D 963 0223 009	R,CHIP 0-J,1/16W			
	C701L	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
	C701R	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
	C702CH	nsp	00D 963 0223 009	R,CHIP 0-J,1/16W			
	C702L	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
	C702R	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
	C703CH	nsp	00D 963 0223 009	R,CHIP 0-J,1/16W			
	C703L	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
	C703R	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
	C704L	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
	C704R	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
	C705L	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
	C705R	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
	C706L	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
	C706R	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
	C707L	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
	C707R	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
	C708L	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
	C708R	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
	C721		00D 963 9005 875	C,ELECT 47UF-M/25V			
	C722		00D 963 0223 504	C,CERAMIC 0.047UF-Z/50V			
	C723		00D 963 9005 875	C,ELECT 47UF-M/25V			
	C724		00D 963 0223 504	C,CERAMIC 0.047UF-Z/50V			
	C725		00D 963 9005 736	C,FILM 0.0047UF-J/100V			
	C726		00D 963 9005 736	C,FILM 0.0047UF-J/100V			
	C727		00D 963 0216 401	C,FILM 0.1UF-J/100V			
	C728		00D 963 0216 401	C,FILM 0.1UF-J/100V			
	C729		00D 963 0216 401	C,FILM 0.1UF-J/100V			
	C730		00D 963 0216 401	C,FILM 0.1UF-J/100V			
	C731		00D 963 0234 205	C,ELECT 10UF-M/50V			
	C732		00D 963 0234 205	C,ELECT 10UF-M/50V			

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
C733		00D 963 0234 205	C,ELECT 10UF-M/50V			
C734		00D 963 0234 205	C,ELECT 10UF-M/50V			
C735		00D 963 0234 205	C,ELECT 10UF-M/50V			
C736		00D 963 0234 205	C,ELECT 10UF-M/50V			
C741	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C742	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C743	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C761FL	nsp	00D 963 0234 001	C,CERAMIC CHIP 0.047UF-Z/50V			
C761FR	nsp	00D 963 0234 001	C,CERAMIC CHIP 0.047UF-Z/50V			
C761SW	nsp	00D 963 0234 001	C,CERAMIC CHIP 0.047UF-Z/50V			
C762FL	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C762FR	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C762SW	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C763FL	nsp	00D 963 0234 001	C,CERAMIC CHIP 0.047UF-Z/50V			
C763FR	nsp	00D 963 0234 001	C,CERAMIC CHIP 0.047UF-Z/50V			
C763SW	nsp	00D 963 0234 001	C,CERAMIC CHIP 0.047UF-Z/50V			
C764FL	nsp	00D 963 0223 805	C,CERAMIC CHIP 33PF-J/50V			
C764FR	nsp	00D 963 0223 805	C,CERAMIC CHIP 33PF-J/50V			
C764SW	nsp	00D 963 0233 808	C,CERAMIC CHIP 47PF-J/50V			
C765FL		00D 963 0234 205	C,ELECT 10UF-M/50V			
C765FR		00D 963 0234 205	C,ELECT 10UF-M/50V			
C765SW		00D 963 0234 205	C,ELECT 10UF-M/50V			
C771		00D 963 9005 875	C,ELECT 47UF-M/25V			
C772		00D 963 9005 875	C,ELECT 47UF-M/25V			
C773		00D 963 9005 749	C,ELECT 1UF-M/50V			
C781C	nsp	00D 963 0234 001	C,CERAMIC CHIP 0.047UF-Z/50V			
C781FL	nsp	00D 963 0234 001	C,CERAMIC CHIP 0.047UF-Z/50V			
C781FR	nsp	00D 963 0234 001	C,CERAMIC CHIP 0.047UF-Z/50V			
C781SL	nsp	00D 963 0234 001	C,CERAMIC CHIP 0.047UF-Z/50V			
C781SR	nsp	00D 963 0234 001	C,CERAMIC CHIP 0.047UF-Z/50V			
C781SW	nsp	00D 963 0234 001	C,CERAMIC CHIP 0.047UF-Z/50V			
C782C		00D 960 9010 010	C,ELECT 4.7UF-M/50V			
C782FL		00D 963 0234 205	C,ELECT 10UF-M/50V			
C782FR		00D 963 0234 205	C,ELECT 10UF-M/50V			
C782SL		00D 963 0234 205	C,ELECT 10UF-M/50V			
C782SR		00D 963 0234 205	C,ELECT 10UF-M/50V			
C782SW		00D 960 9010 010	C,ELECT 4.7UF-M/50V			
C783C	nsp	00D 963 0223 902	C,CERAMIC CHIP 39PF-J/50V			
C783FL	nsp	-	C,CERAMIC CHIP 56PF-J/50V			
C783FR	nsp	-	C,CERAMIC CHIP 56PF-J/50V			
C783SL	nsp	00D 963 0223 902	C,CERAMIC CHIP 39PF-J/50V			
C783SR	nsp	00D 963 0223 902	C,CERAMIC CHIP 39PF-J/50V			
C783SW	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C786SW		00D 960 9010 010	C,ELECT 4.7UF-M/50V			
C791		00D 963 9005 875	C,ELECT 47UF-M/25V			
C792		00D 963 9005 875	C,ELECT 47UF-M/25V			
OTHER PARTS GROUP						
CN551	nsp	00D 963 0184 407	CN,WIRE 160MM/14P			
CN701	nsp	00D 963 0086 204	CN.WAFER 19P			
CN702	nsp	00D 963 0086 204	CN.WAFER 19P			
CN703	nsp	00D 963 0086 107	CN.WAFER 16P			
J705	nsp	00D 963 0223 009	R,CHIP 0-J,1/16W			
J706	nsp	00D 963 0223 009	R,CHIP 0-J,1/16W			
J707	nsp	00D 963 0258 003	R,CHIP 0-J,1/8W			*
J708	nsp	00D 963 0258 003	R,CHIP 0-J,1/8W			*
		00D 963 0146 209	TER,RCA 4PIN			
		00D 960 0268 803	TER,RCA 6PIN			
	nsp	00D 963 0094 005	CUSHION (24*18*2.7t)			
	nsp	00D 963 0094 102	PLATE			

DSP P.W.B. UNIT ASS'Y

	Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
SEMICONDUCTORS GROUP							
	IC802		00D 963 0237 503	JSR1165-C /OPTICAL			
	IC803		00D 963 0237 503	JSR1165-C /OPTICAL			
	IC804		00D 262 3370 005	ADSP-21266SKSTZ-1B			
	IC805		00D 262 3544 006	LH28F800BJE-BTL90			
	IC807		00D 262 3066 102	LC89057W-VF4-E(AC) +REF			
	IC808		00D 262 3535 002	AD1837AASZ			
	IC809		00D 960 0266 805	IC MM74LCX244			
	IC810		00D 960 0266 805	IC MM74LCX244			
	IC811		00D 960 0266 805	IC MM74LCX244			
	IC812		00D 960 0266 902	IC MM74HCT244			
	IC814		00D 963 0218 904	IC MM74HCT00MTCX			
	IC815		00D 963 0218 904	IC MM74HCT00MTCX			
	IC815A		00D 963 0043 807	IC BA4510F			
	IC816		00D 262 2870 904	74LVX157MTC +C			
	IC816A		00D 963 0043 807	IC BA4510F			
	IC817		00D 262 3372 003	IC63LV1024-10T			
	IC817A		00D 963 0202 305	IC NJM2068M			
	IC818		00D 262 2642 909	SN74LV573APWR +REF			
	IC818A		00D 963 0202 305	IC NJM2068M			
	IC819		00D 262 2642 909	SN74LV573APWR +REF			
	IC819A		00D 963 0202 305	IC NJM2068M			
	IC820		00D 262 3339 907	SN74LVC139APWR +REF			
	IC821		00D 262 2870 904	IC 74LCX74MTC			
	IC822		00D 960 0296 008	IC CJ7805F			
	IC823		00D 963 0111 603	IC RC1117-3.3			
	IC824		00D 963 0147 509	IC RC1117-1.2			
	IC825		00D 262 2870 904	IC 74LCX74MTC			
	IC827		00D 963 0219 107	IC MM74HC151MTCX			
	IC828		00D 963 0219 000	IC 74VHCU04			
	IC829		00D 963 0244 907	IC SN74LV14APWR			
	Q804C		00D 960 0196 603	TR KTC2874B			
	Q804FL		00D 960 0196 603	TR KTC2874B			
	Q804FR		00D 960 0196 603	TR KTC2874B			
	Q804SL		00D 960 0196 603	TR KTC2874B			
	Q804SR		00D 960 0196 603	TR KTC2874B			
	Q804SW		00D 960 0196 603	TR KTC2874B			
	Q808		00D 963 0120 801	TR KRC102S			
	Q809		00D 963 0120 704	TR KRA102S			
	Q811		00D 963 0245 100	D, KDS226S			
	Q812		00D 963 0245 100	D, KDS226S			
	D803		00D 963 0219 709	D, 1N4148W			
RESISTORS GROUP							
	R831		00D 963 0234 603	COIL,BEAD			
	R832		00D 963 0234 603	COIL,BEAD			
	R833		00D 963 0234 603	COIL,BEAD			
CAPACITORS GROUP							
	C801	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
	C802	nsp	00D 963 9004 591	C,CERAMIC CHIP 22PF-J/50V			
	C803	nsp	00D 963 9004 591	C,CERAMIC CHIP 22PF-J/50V			
	C807	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
	C808		00D 963 9005 862	C,ELECT 47UF-M/16V			
	C812		00D 960 9010 010	C,ELECT 4.7UF-M/50V			
	C813	nsp	00D 963 9004 698	C,CERAMIC CHIP 0.01UF-K/50V			
	C814		00D 963 9005 862	C,ELECT 47UF-M/16V			
	C815		00D 960 9009 911	C,ELECT 100UF-M/10V			

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
C816	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C817		00D 963 9005 778	C,ELECT 10UF-M/50V			
C818		00D 963 9005 749	C,ELECT 1UF-M/50V			
C819		00D 963 9005 901	C,ELECT 470UF-M/10V			
C821		00D 963 9005 901	C,ELECT 470UF-M/10V			
C824	nsp	00D 963 9004 698	C,CERAMIC CHIP 0.01UF-K/50V			
C825		00D 960 9010 010	C,ELECT 4.7UF-M/50V			
C830		00D 963 9005 901	C,ELECT 470UF-M/10V			
C832	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C833	nsp	00D 963 0233 905	C,CERAMIC CHIP 0.015UF-K/50V			
C834	nsp	00D 963 0233 905	C,CERAMIC CHIP 0.015UF-K/50V			
C835	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C836	nsp	00D 963 0224 105	C,CERAMIC CHIP 1000PF-K/50V			
C837	nsp	00D 963 0224 105	C,CERAMIC CHIP 1000PF-K/50V			
C838	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C839	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C840	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C841	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C842	nsp	00D 963 0129 608	C,CERAMIC CHIP 15PF-J/50V			
C843	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C844	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C845	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C846	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C847	nsp	00D 963 0129 608	C,CERAMIC CHIP 15PF-J/50V			
C848	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C849	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C850	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C851	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C852	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C853	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C854	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C855	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C856	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C857	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C858	nsp	00D 960 9009 856	C,CERAMIC CHIP 0.022UF-Z/50V			
C859	nsp	00D 963 0246 507	C,CERAMIC CHIP 0.068UF-K/50V			
C860	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C861	nsp	00D 963 9005 998	C,CERAMIC CHIP 24PF-J/50V			
C862	nsp	00D 963 9005 998	C,CERAMIC CHIP 24PF-J/50V			
C863	nsp	00D 963 9004 698	C,CERAMIC CHIP 0.01UF-K/50V			
C864	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C864L		00D 963 9005 862	C,ELECT 47UF-M/16V			
C864R		00D 963 9005 862	C,ELECT 47UF-M/16V			
C865	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C865L	nsp	00D 963 9005 723	C,CERAMIC CHIP 120PF-J/50V			
C865R	nsp	00D 963 9005 723	C,CERAMIC CHIP 120PF-J/50V			
C866	nsp	00D 963 9004 698	C,CERAMIC CHIP 0.01UF-K/50V			
C867	nsp	00D 963 9004 698	C,CERAMIC CHIP 0.01UF-K/50V			
C868	nsp	00D 963 9004 698	C,CERAMIC CHIP 0.01UF-K/50V			
C869L	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C869R	nsp	00D 963 0223 601	C,CERAMIC CHIP 100PF-J/50V			
C870	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C871	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C871L		00D 963 0216 304	C,FILM 0.001UF-J/100V			
C871R		00D 963 0216 304	C,FILM 0.001UF-J/100V			
C872	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C873		00D 963 9005 804	C,ELECT 100UF-M/25V			
C873C	nsp	00D 963 9004 672	C,CERAMIC CHIP 680pF-J 50V			
C873FL	nsp	00D 963 9004 672	C,CERAMIC CHIP 680pF-J 50V			
C873FR	nsp	00D 963 9004 672	C,CERAMIC CHIP 680pF-J 50V			
C873SL	nsp	00D 963 9004 672	C,CERAMIC CHIP 680pF-J 50V			
C873SR	nsp	00D 963 9004 672	C,CERAMIC CHIP 680pF-J 50V			
C873SW	nsp	00D 963 9004 672	C,CERAMIC CHIP 680pF-J 50V			
C874		00D 963 9005 804	C,ELECT 100UF-M/25V			
C874C	nsp	00D 963 9006 146	C,CERAMIC CHIP 560PF-J/50V			
C874FL	nsp	00D 963 9006 146	C,CERAMIC CHIP 560PF-J/50V			

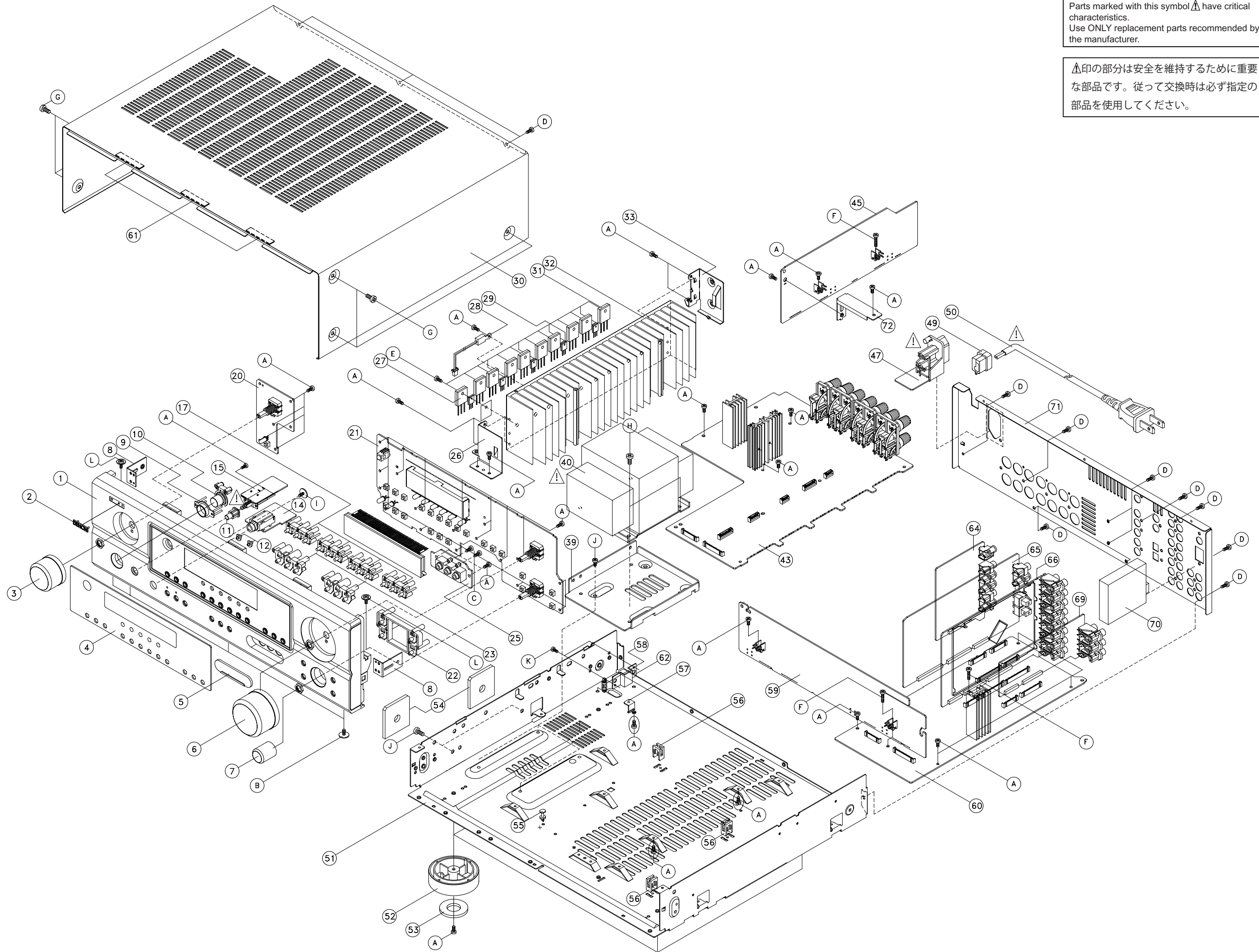
Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
C874FR	nsp	00D 963 9006 146	C,CERAMIC CHIP 560PF-J/50V			
C874SL	nsp	00D 963 9006 146	C,CERAMIC CHIP 560PF-J/50V			
C874SR	nsp	00D 963 9006 146	C,CERAMIC CHIP 560PF-J/50V			
C874SW	nsp	00D 963 9006 146	C,CERAMIC CHIP 560PF-J/50V			
C875	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C875C		00D 963 9005 778	C,ELECT 10UF-M/50V			
C875FL		00D 963 9005 778	C,ELECT 10UF-M/50V			
C875FR		00D 963 9005 778	C,ELECT 10UF-M/50V			
C875SL		00D 963 9005 778	C,ELECT 10UF-M/50V			
C875SR		00D 963 9005 778	C,ELECT 10UF-M/50V			
C875SW		00D 963 9005 778	C,ELECT 10UF-M/50V			
C876	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C876C		00D 960 9008 611	C,FILM 0.0033UF-J/100V			
C876FL		00D 960 9008 611	C,FILM 0.0033UF-J/100V			
C876FR		00D 960 9008 611	C,FILM 0.0033UF-J/100V			
C876SL		00D 960 9008 611	C,FILM 0.0033UF-J/100V			
C876SR		00D 960 9008 611	C,FILM 0.0033UF-J/100V			
C876SW		00D 960 9008 611	C,FILM 0.0033UF-J/100V			
C877	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C878	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C879	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C880	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C880C		00D 963 9005 778	C,ELECT 10UF-M/50V			
C880FL		00D 963 9005 778	C,ELECT 10UF-M/50V			
C880FR		00D 963 9005 778	C,ELECT 10UF-M/50V			
C880SL		00D 963 9005 778	C,ELECT 10UF-M/50V			
C880SR		00D 963 9005 778	C,ELECT 10UF-M/50V			
C880SW		00D 963 9005 778	C,ELECT 10UF-M/50V			
C881	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C882	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C885		00D 963 9005 778	C,ELECT 10UF-M/50V			
C886	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C887		00D 963 9005 778	C,ELECT 10UF-M/50V			
C888	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C889	nsp	00D 963 9004 698	C,CERAMIC CHIP 0.01UF-K/50V			
C890	nsp	00D 963 9004 698	C,CERAMIC CHIP 0.01UF-K/50V			
C891	nsp	00D 963 9004 698	C,CERAMIC CHIP 0.01UF-K/50V			
C892		00D 963 9005 778	C,ELECT 10UF-M/50V			
C893		00D 963 9005 749	C,ELECT 1UF-M/50V			
C894	nsp	00D 963 9004 698	C,CERAMIC CHIP 0.01UF-K/50V			
C896		00D 963 9005 927	C,ELECT 0.1UF-M/50V			
C897	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C898	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C899		00D 963 9005 778	C,ELECT 10UF-M/50V			
C900		00D 963 9005 778	C,ELECT 10UF-M/50V			
C901	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C902		00D 963 9005 901	C,ELECT 470UF-M/10V			
C903	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C904		00D 963 9005 778	C,ELECT 10UF-M/50V			
C905	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C906	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C907		00D 960 9009 911	C,ELECT 100UF-M/10V			
C908		00D 963 9005 778	C,ELECT 10UF-M/50V			
C909	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C910		00D 963 9005 778	C,ELECT 10UF-M/50V			
C911	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C912	nsp	00D 963 9004 698	C,CERAMIC CHIP 0.01UF-K/50V			
C913	nsp	00D 963 9004 698	C,CERAMIC CHIP 0.01UF-K/50V			
C914	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C915	nsp	00D 963 9004 708	C,CERAMIC CHIP 0.1UF-K/50V			
C917	nsp	00D 963 9004 698	C,CERAMIC CHIP 0.01UF-K/50V			
C919	nsp	00D 963 9004 698	C,CERAMIC CHIP 0.01UF-K/50V			
C921	nsp	00D 963 9004 698	C,CERAMIC CHIP 0.01UF-K/50V			
C927	nsp	00D 963 9004 698	C,CERAMIC CHIP 0.01UF-K/50V			

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
OTHER PARTS GROUP						
CB801		00D 963 0220 002	BEAD,COIL 121JT			
CB802		00D 963 0220 002	BEAD,COIL 121JT			
CB803		00D 963 0220 002	BEAD,COIL 121JT			
CB804		00D 963 0220 002	BEAD,COIL 121JT			
CB805		00D 963 0220 002	BEAD,COIL 121JT			
CB806		00D 963 0220 002	BEAD,COIL 121JT			
CB808	nsp	00D 963 0257 402	R,CHIP 0-J,1/10W			*
CB810		00D 963 0220 002	BEAD,COIL 121JT			
CN801	nsp	00D 963 0086 301	CN.WAFER 18P			
CN802	nsp	00D 963 0086 204	CN.WAFER 19P			
CN803	nsp	00D 963 0236 902	CN.WAFER 12P			
L801		00D 963 0050 803	COIL,INDUCTOR 4.7UH			
L803		00D 963 0050 803	COIL,INDUCTOR 4.7UH			
XTAL1		00D 963 0217 303	CRYSTAL 12.288MHZ			
XTAL2		00D 963 0217 507	CRYSTAL 18.750MHZ			
		00D 963 0217 905	TER,RCA 2PIN			

EXPLODED VIEW

WARNING:
Parts marked with this symbol ⚠ have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

⚠印の部分は安全を維持するために重要な部品です。従って交換時は必ず指定の部品を使用してください。



PARTS LIST OF EXPLODED VIEW

* 本表に記載されている部品は、補修用部品のため製品に使用している部品とは一部、形状、寸法などが異なる場合があります。

* The parts listed below are for maintenance only, might differ from the parts used in the unit in appearances or dimensions.

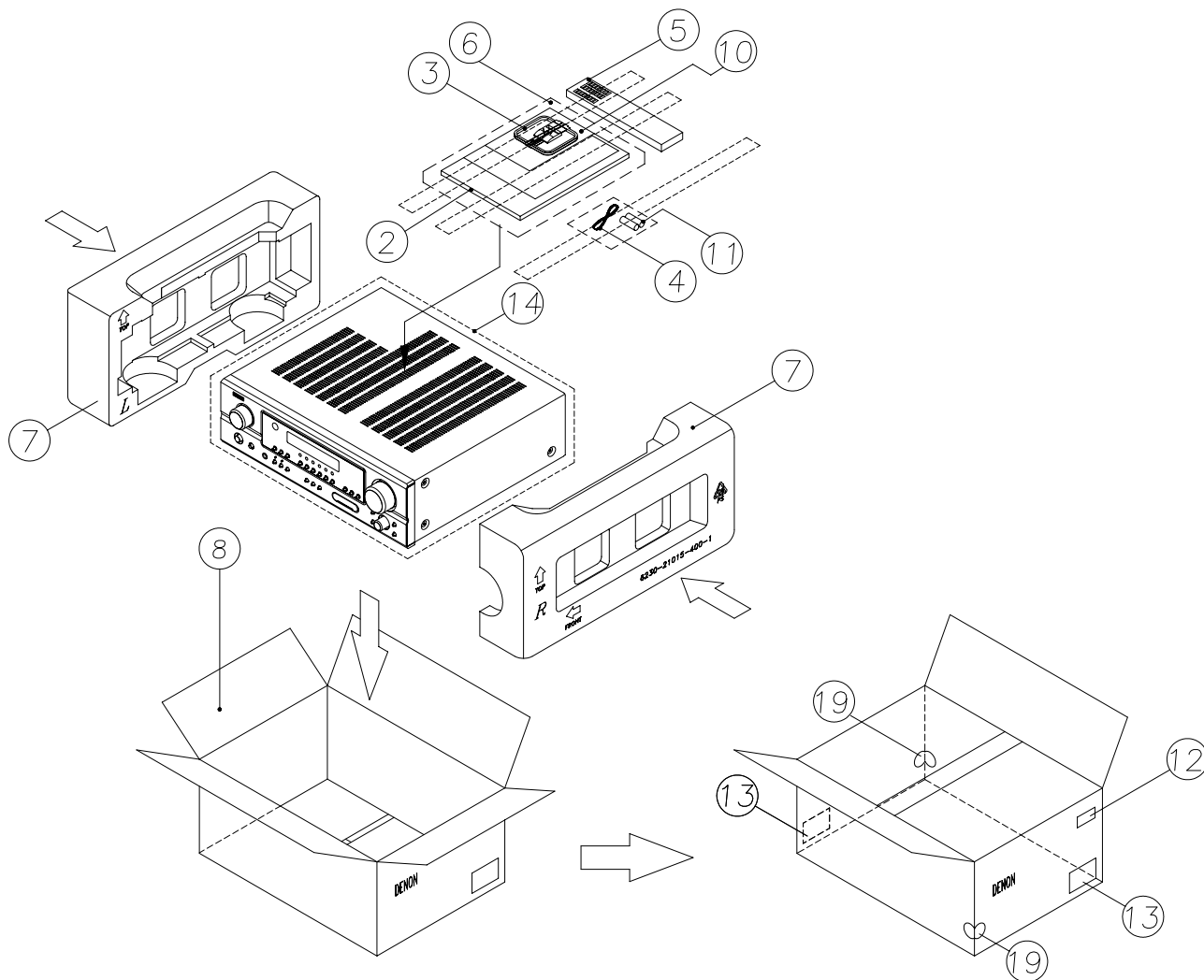
* "nsp" 印の部品は常時在庫していませんので供給に長時間を要することがあります。場合によっては、供給をお断りする場合があります。

* Part indicated with the mark "nsp" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.

	Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
	43A 43 64	nsp	00D 963 0258 100	MAIN P.W.B. Ass'y MAIN P.W.B. C-VIDEO P.W.B.		1	*
	21A	nsp	00D 963 0258 207	FRONT P.W.B. Ass'y		1	*
	15 21 25 60			POWER SW P.W.B. FRONT P.W.B. V-AUX P.W.B. CPU P.W.B.			
	59A 14 20 45 47	nsp	00D 963 0258 304	CNT P.W.B. Ass'y HEADPHONE P.W.B. ST-BY TACT P.W.B. PRE AMP P.W.B. OUTLET P.W.B.		1	*
	59 69			CNT P.W.B. 6CH-EXT P.W.B.			
	66A 66	nsp	00D 963 0258 401	INPUT P.W.B. Ass'y INPUT P.W.B.		1	*
	65A 65		00D 963 0258 508	DSP P.W.B. Ass'y DSP P.W.B.		1	*
	1		00D 963 0258 605	PANEL FRONT		1	*
	2		00D 963 0051 527	BADGE DENON		1	
	3		00D 963 0141 505	KNOB INPUT		1	
	4		00D 963 0258 702	WINDOW DISPLAY		1	*
	5		00D 963 0149 701	COVER RCA		1	
	6		00D 963 0138 903	KNOB VOLUME		1	
	7		00D 963 0138 602	KNOB SELECT		1	
	8		00D 963 0138 000	BRACKET SIDE L/R		2	
	9		00D 963 0137 807	LENS STANDBY		1	
	10		00D 963 0190 501	BUTTON STANDBY		1	
	11		00D 963 0194 002	BUTTON POWER		1	
	12		00D 960 0191 417	LENS LED		2	
	17		00D 963 0094 801	BUTTON 3KEY(A)		4	
	22		00D 963 0139 504	BUTTON 4KEY		1	
	23		00D 963 0139 203	BUTTON 3KEY		2	
	26	nsp	00D 960 0184 301	BRACKET HEAT SINK-F		1	
	27		00D 963 0044 107	TR 2SB1560-Y PNP	Q102C,102FL,102FR,102SL,102SR	5	
	28		00D 960 0187 900	POSISTOR P43T7D330BW16		1	
	29		00D 963 0058 106	TR 2SD947F	Q103C,103FL,103FR,103SL,103SR	5	
	30	nsp	00D 963 0247 205	CABINET TOP		1	
	31		00D 963 0044 204	TR 2SD2390-Y NPN	Q101C,101FL,101FR,101SL,101SR	5	
	32		-	HEAT SINK MAIN		1	
	33	nsp	00D 960 0184 204	BRACKET HEAT SINK-B		1	
	39	nsp	00D 963 0092 609	BRACKET TRANS		1	
⚠	40		00D 963 0109 615	POWER TRANS		1	
	49		00D 960 0192 403	STOPPER CORD		1	
⚠	50		00D 963 0109 806	AC CORD		1	

	Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
	51	nsp	00D 963 0228 703	CHASSIS MAIN		1	
	52	nsp	00D 963 0137 904	FOOT		4	
	53	nsp	00D 963 0214 607	CUSHION FOOT		4	
	54	nsp	00D 963 0191 403	CUSHION SIDE		2	
	55		-	SPACER CARD		1	
	56	nsp	00D 960 0003 301	SUPPORTER PCB		3	
	57	nsp	00D 960 0184 107	BRACKET SUPPORTER		1	
	58		-	SUPPORTER P.C.		1	
	61		-	SHEET CABINET		3	
	62		00D 963 0120 306	BRACKET SIDE		1	
	70		00D 216 0125 001	TUNER,FM/AM		1	
	71	nsp	00D 963 0258 809	CHASSIS BACK		1	*
	72		-	BRACKET PREAMP		1	
	★ 73	nsp	00D 960 0155 301	CLAMP CABLE TIE		5	
	★ 74	nsp	00D 513 3333 005	LABEL (TRANS)		1	
	★ 75		00D 963 0193 003	CABLE,FLAT CARD 15P L=150		1	
	★ 76		00D 963 0161 501	CABLE,FLAT CARD 23P L=200		1	
SCREWS							
	A	nsp	00D 963 0018 007	SCREW (3X8 ZNY/BH)		58	
	B	nsp	00D 963 0258 906	SCREW (3X8 NI WASHER PI12)		4	
	C	nsp	00D 963 9004 054	SCREW (3X15 ZNY/BH)		2	
	D		00D 960 0108 701	SCREW (3X10 BK/BH DOT)		31	
	E	nsp	00D 963 9006 175	SCREW (3X14 P+S WASHER ZNY/HH)		15	
	F	nsp	00D 963 0018 104	SCREW (3X17 ZNY/BH)		3	
	G		00D 963 9004 012	SCREW (4X8 NI/BH DOT)		6	
	H	nsp	00D 960 9009 610	SCREW (4X10 P+S WASHER ZNY/BH)		4	
	I	nsp	00D 960 9008 420	SCREW (3X8 ZNY WASHER PI12)		1	
	J	nsp	00D 963 0232 702	SCREW (4X6 ZNY/BH)		6	
	K	nsp	00D 963 0232 605	SCREW (3X5 ZNY/BH)		2	
	L	nsp	00D 963 0136 507	SCREW (3X8 WASHER PI9.5 ZNY/BH)		2	

PACKING VIEW



PARTS LIST OF PACKING & ACCESSORIES

* 本表に記載されている部品は、補修用部品のため製品に使用している部品とは一部、形状、寸法などが異なる場合があります。

* The parts listed below are for maintenance only, might differ from the parts used in the unit in appearances or dimensions.

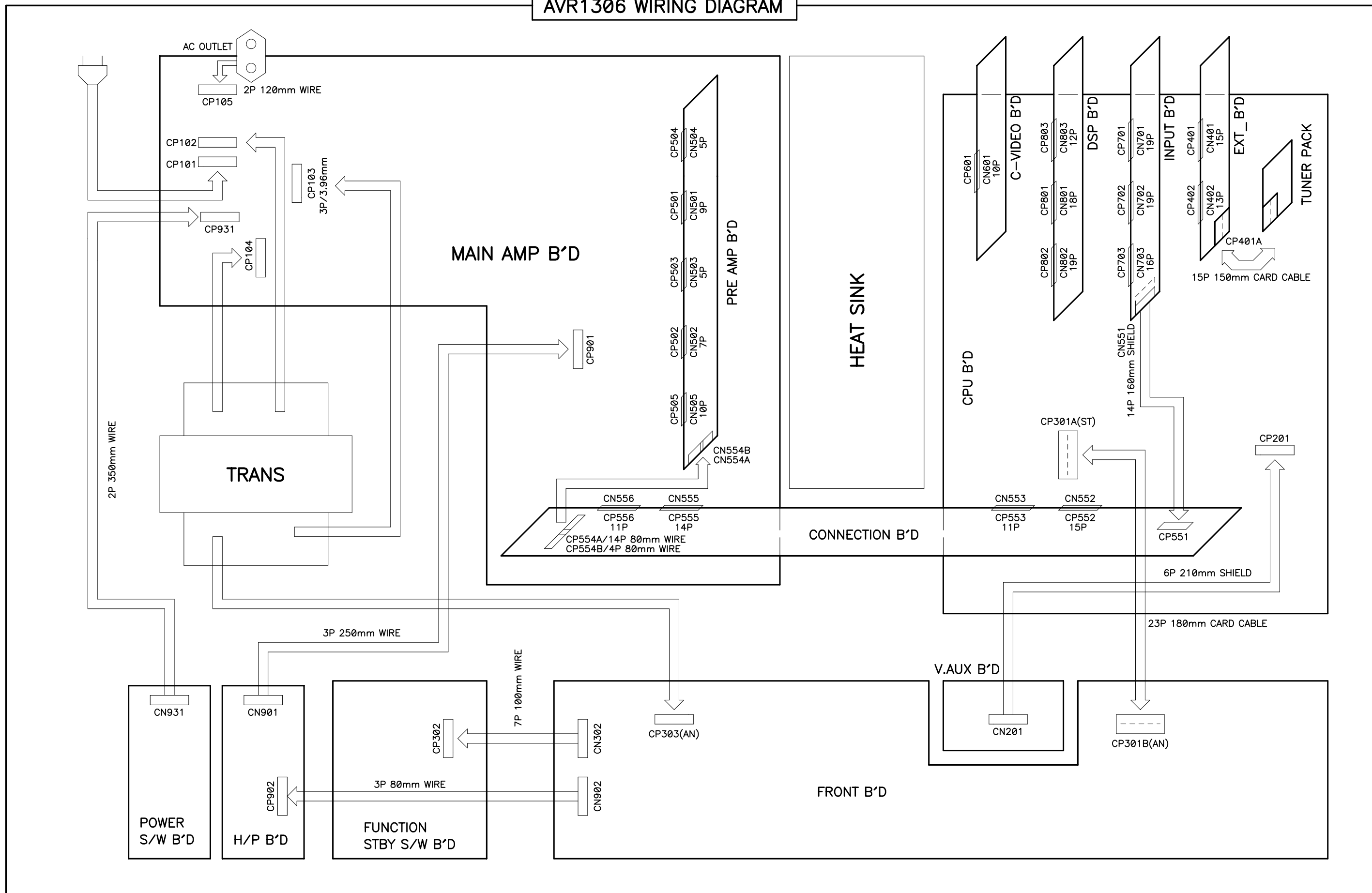
* "nsp" 印の部品は常時在庫していませんので供給に長時間を要することがあります。場合によっては、供給をお断りする場合があります。

* Part indicated with the mark "nsp" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
2		00D 963 0259 002	INSTRUCTION MANUAL		1	*
3		00D 231 0089 007	AM ANTENNA WIRE		1	
4		00D 963 0158 006	FM ANTENNA WIRE		1	
5		00D 399 0995 057	REMOTE CONTROL RC-1014		1	*
6	nsp	00D 963 0045 106	POLY BAG		1	
7	nsp	00D 963 0193 101	CUSHION SNOW		1	
8	nsp	00D 963 0259 109	BOX GIFT		1	*
10		-	S.S LIST		1	
11		-	BATTERY DRY		2	
12		-	UPC LABEL		1	
13		-	CONTROL CARD		2	
14	nsp	00D 963 0241 405	PE,SHEET		1	
19	nsp	00D 963 0110 303	COLOR LABEL (SILVER)		2	
★ 20		00D 963 0198 309	BUSHING TERMINAL		14	
★ 21		-	SERIAL NO. LABEL		1	

WIRING DIAGRAM

AVR1306 WIRING DIAGRAM



NOTE FOR SCHEMATIC DIAGRAM

WARNING:

Parts marked with this symbol \triangle have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

CAUTION:

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

WARNING:

DO NOT return the unit to the customer until the problem is located and corrected.

NOTICE:

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM
M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD.
P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASURED AT
NO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE
WITHOUT PRIOR NOTICE.

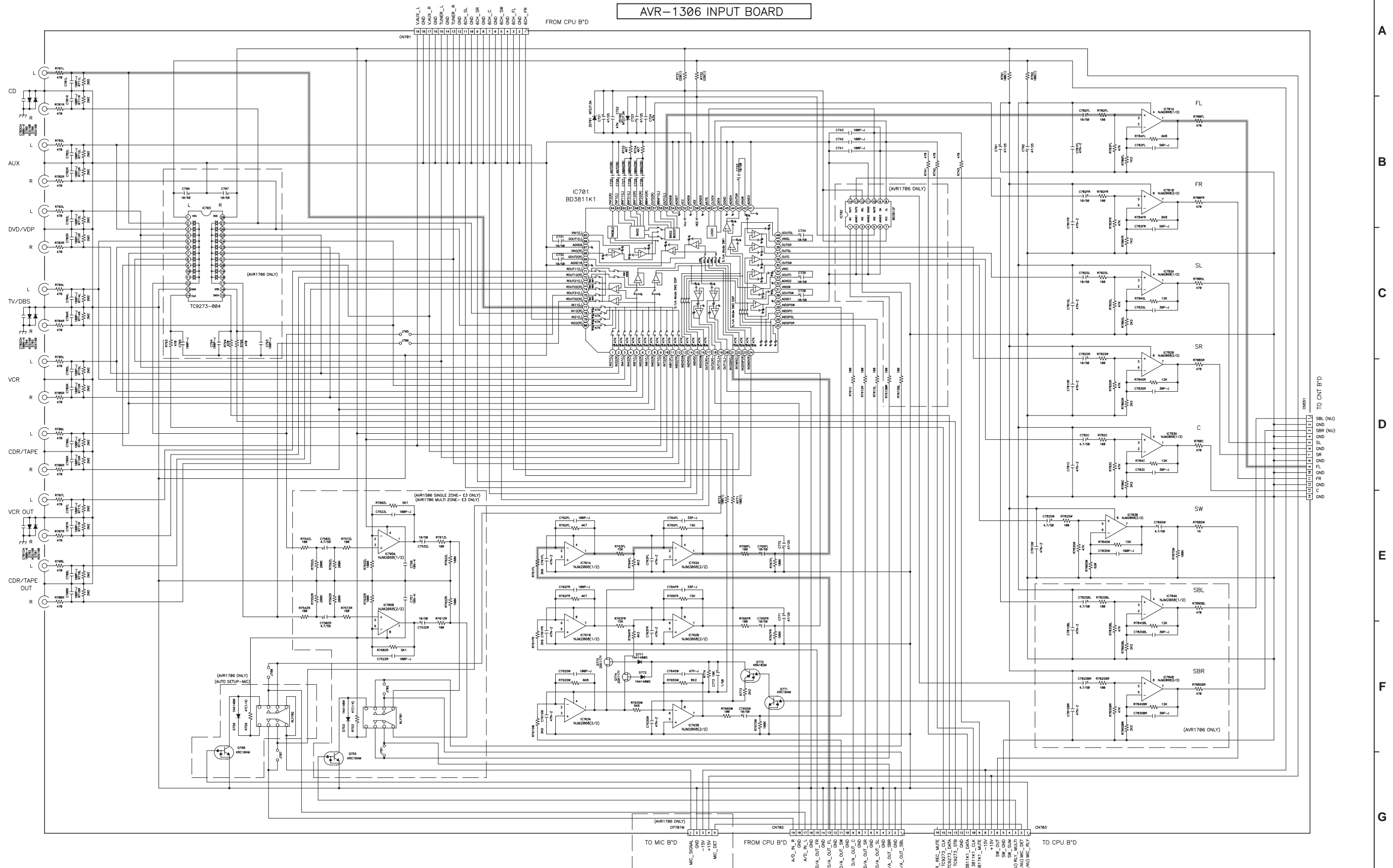
配線図について

\triangle 印の部品は安全を維持するために重要な部品です。従って交換時は必ず指定の部品を使用してください。

注)

- (1) 指定なき抵抗値は Ω 、k は k Ω 、M は M Ω を示す。
- (2) 指定なきコンデンサーの値は μF 、p は pF を示す。
- (3) 各部の電圧は無信号の値を示す。
- (4) この配線図は基本配線図です。改良等のため変更することがありますのでご了承ください。

1 2 3 4 5 6 7 8 9 10 11



TO CPU B'D

TO MIC B'D

TO CPU B'D

TO CPU B'D

SIGNAL LINE

SCHEMATIC DIAGRAMS (1/8)

INPUT UNIT

A

B

C

D

E

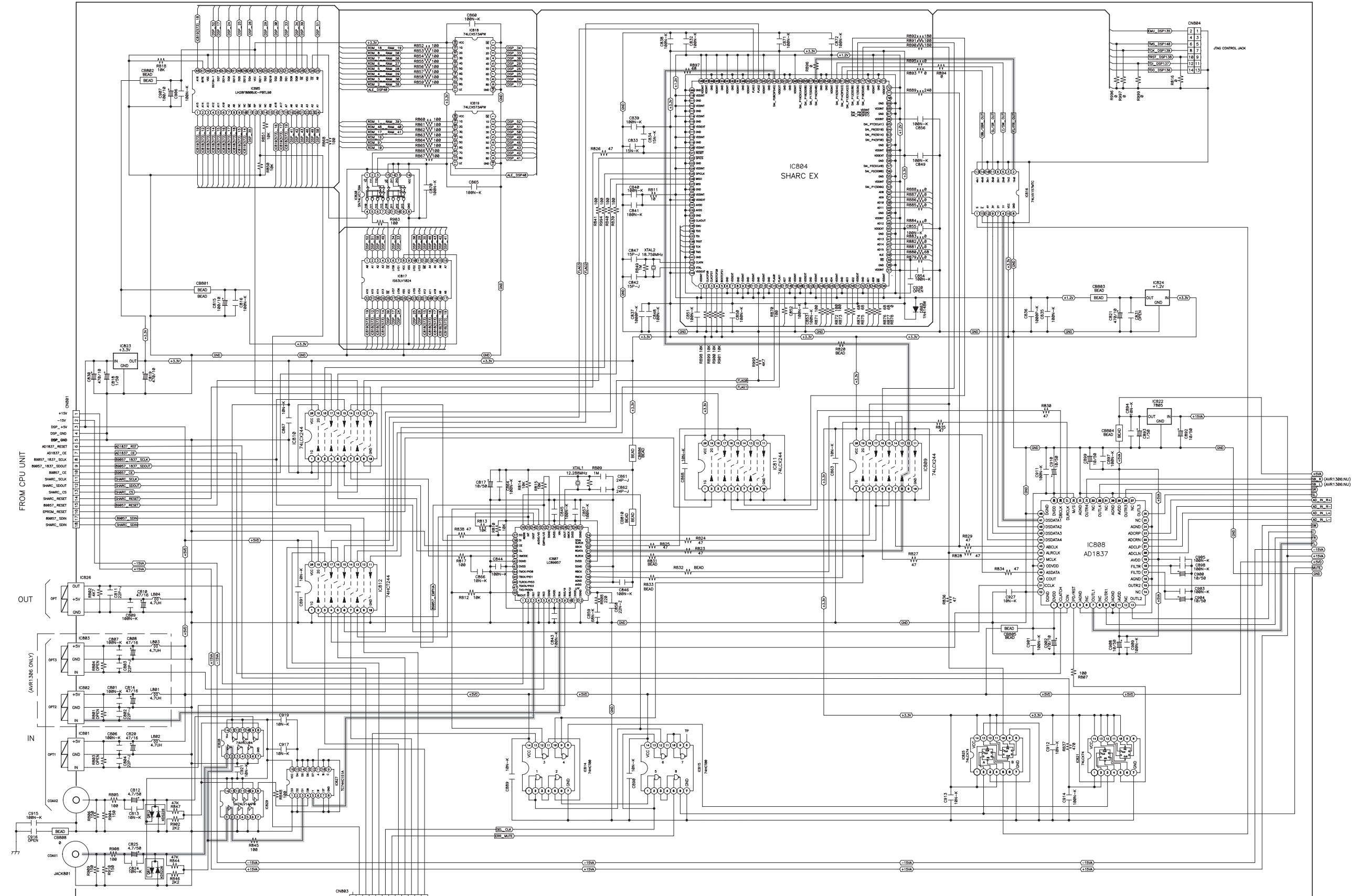
F

G

H

1 2 3 4 5 6 7 8 9 10 11

AVR-1306 DSP BOARD(PART 1)



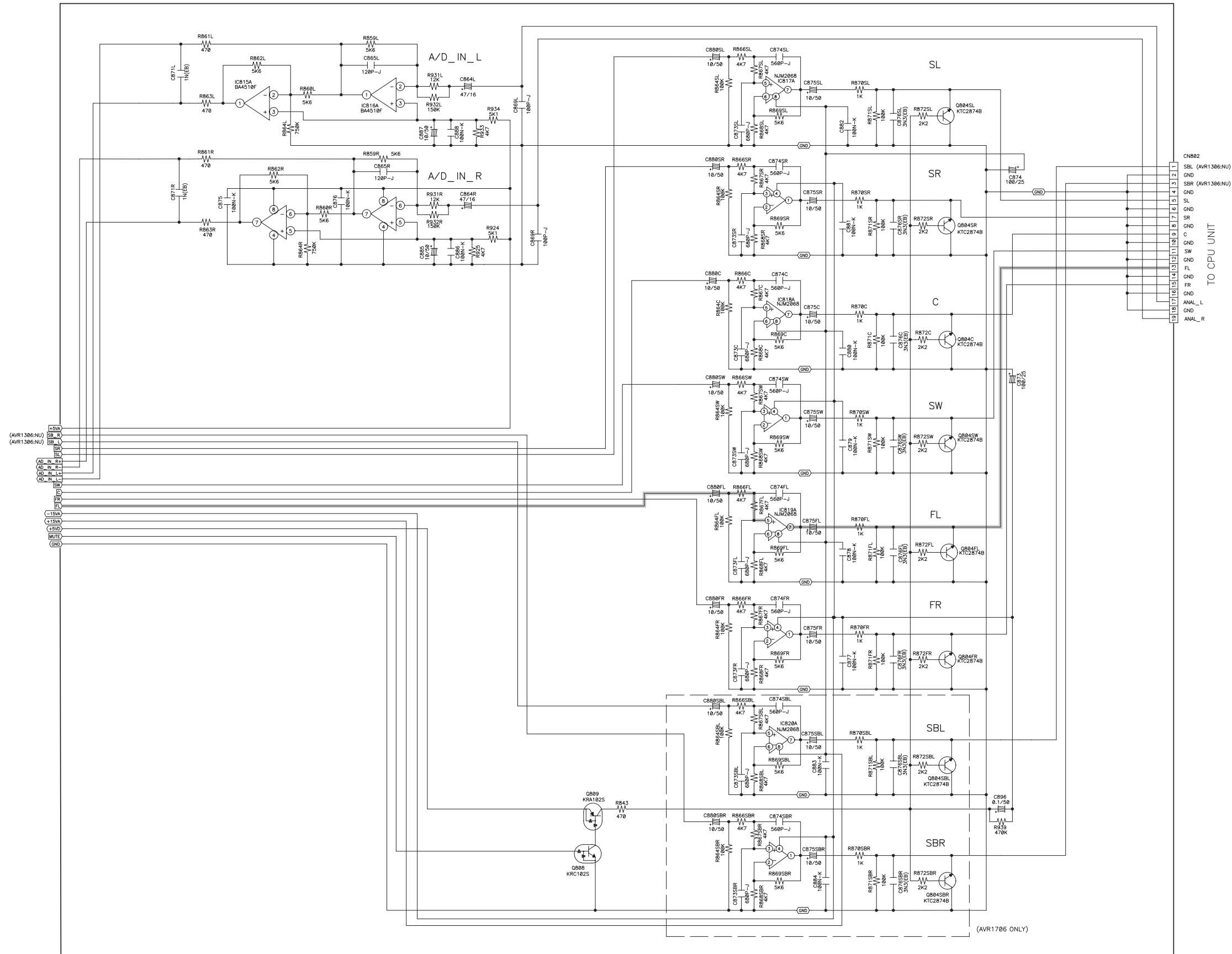
A INPUT SEL
L D0(COAX1)
H D1(COAX2)

— SIGNAL LINE

SCHEMATIC DIAGRAMS (2/8)
DSP-1 UNIT

A
B
C
D
E
F
G
H

AVR-1306 DSP BOARD(PART 2)



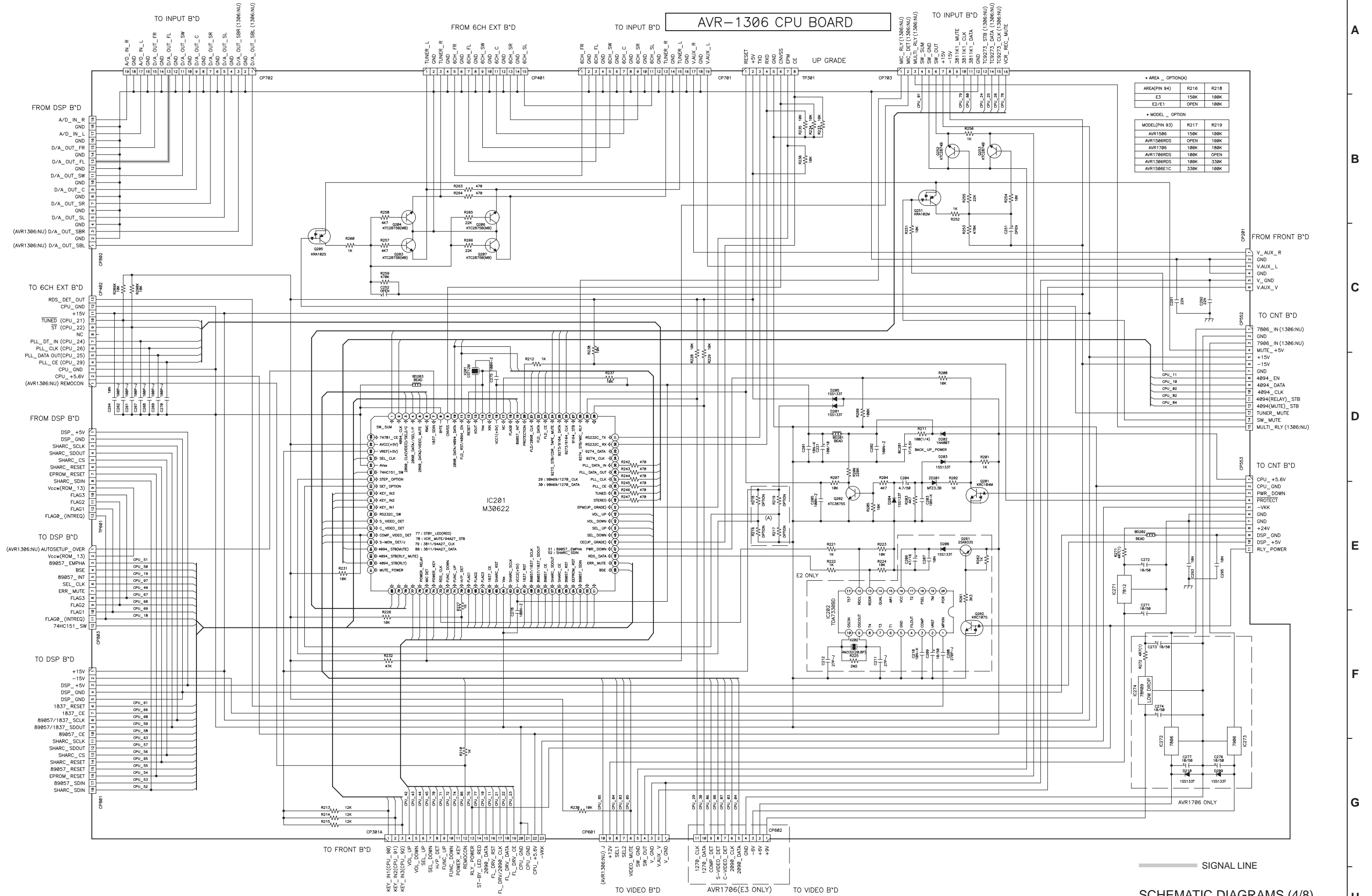
TO CPU UNIT

— SIGNAL LINE

SCHEMATIC DIAGRAMS (3/8)
DSP-2 UNIT

SCHEMATIC DIAGRAMS (4/8)

1 2 3 4 5 6 7 8 9 10 11

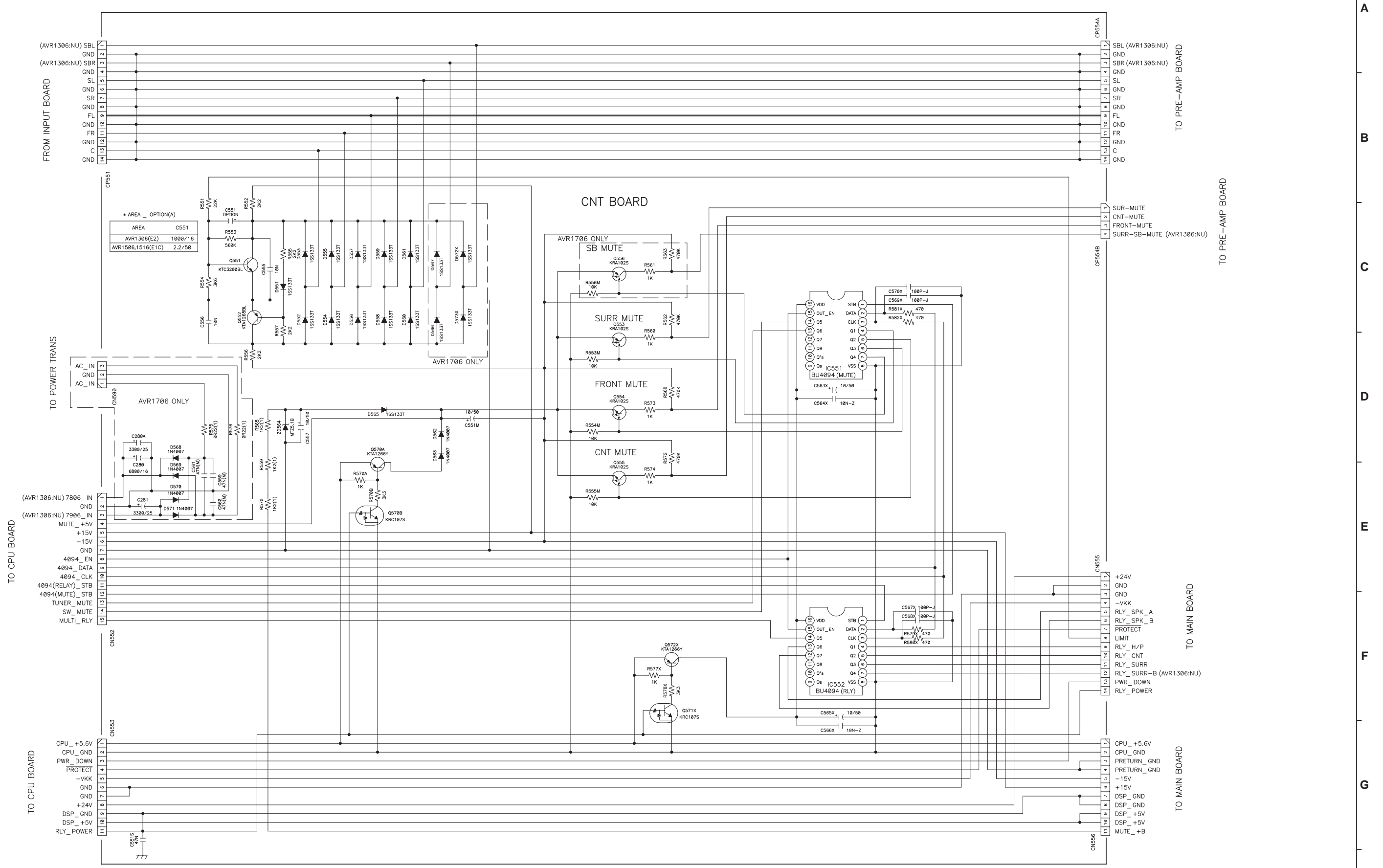


SCHEMATIC DIAGRAMS (4/8) CPU UNIT

SCHEMATIC DIAGRAMS (5/8)

1 2 3 4 5 6 7 8 9 10 11

AVR-1306 CNT BOARD

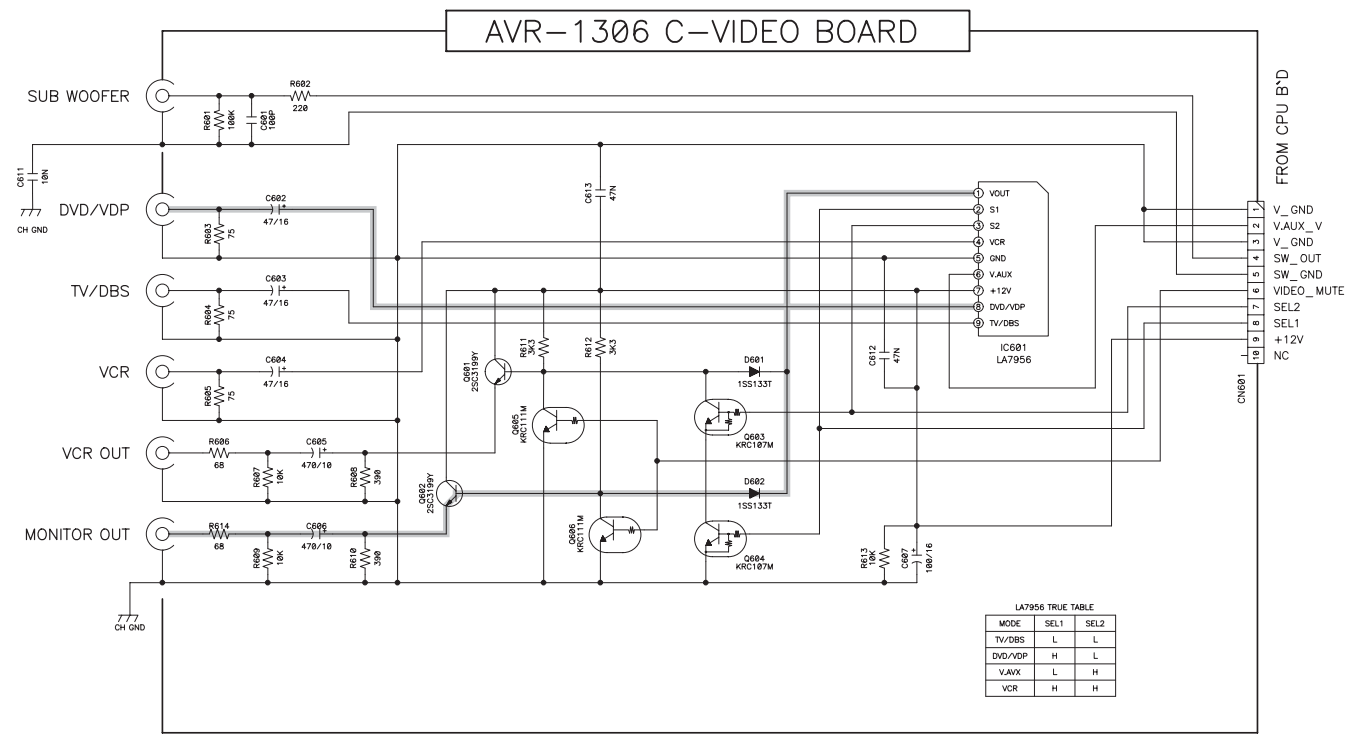
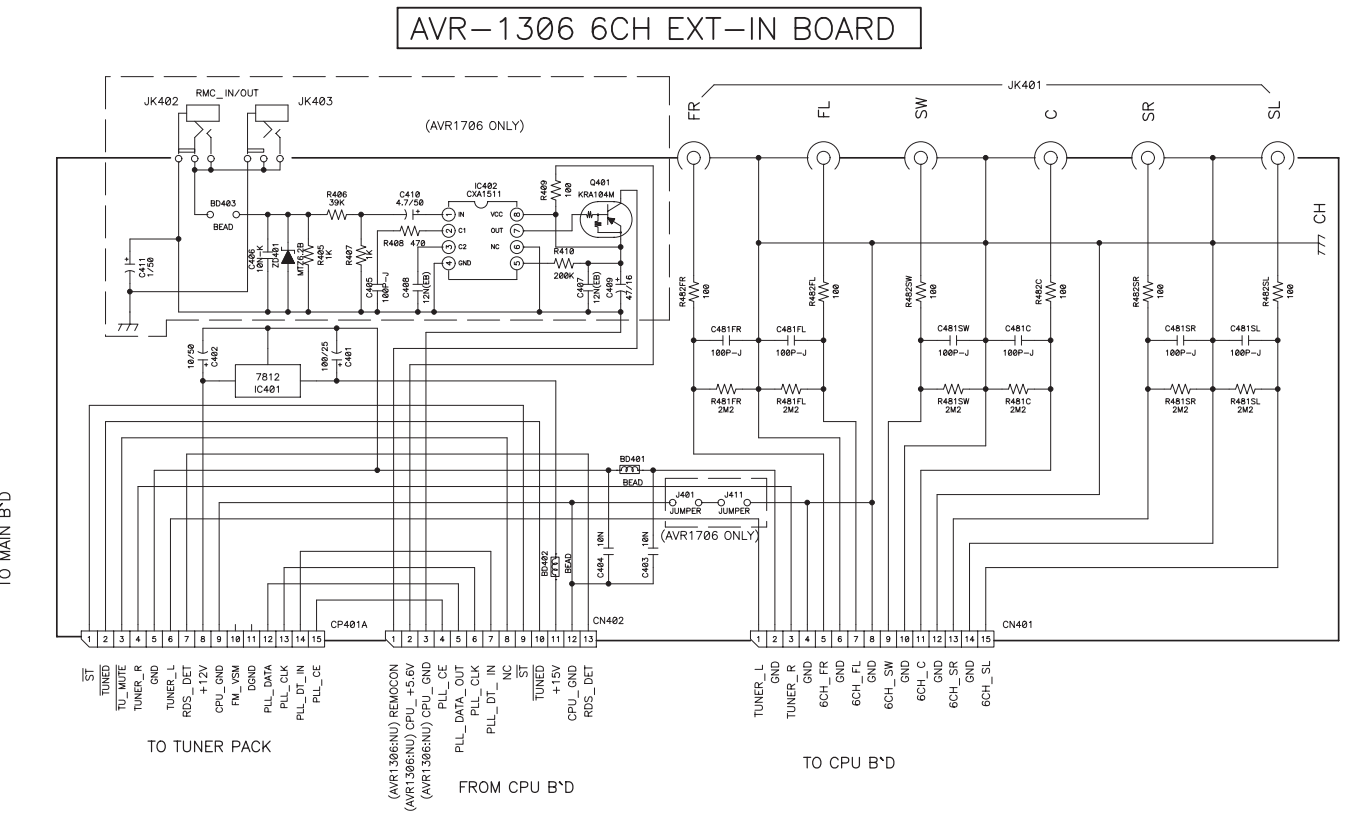
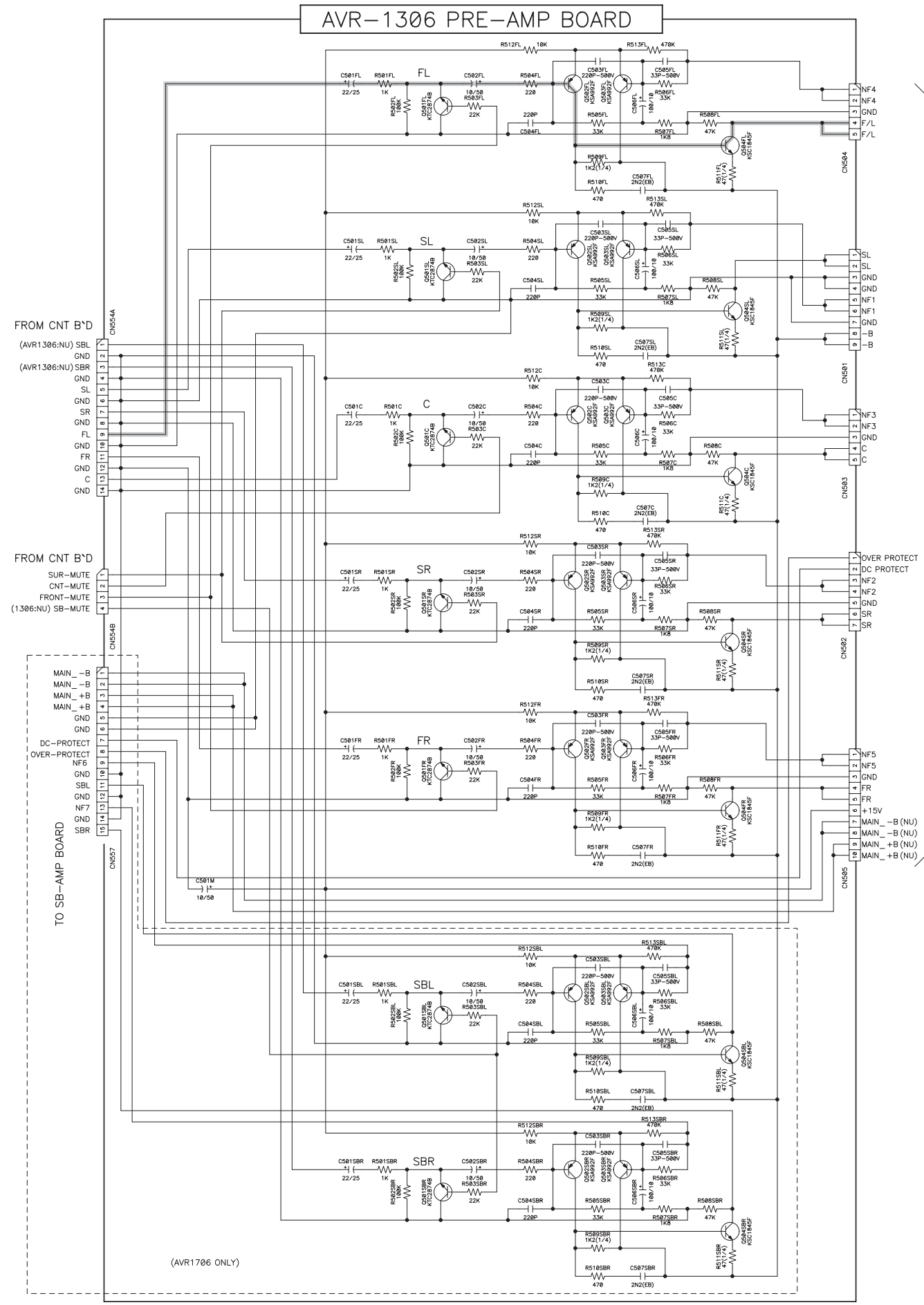


SIGNAL LINE

SCHEMATIC DIAGRAMS (5/8) CNT UNIT

SCHEMATIC DIAGRAMS (6/8)

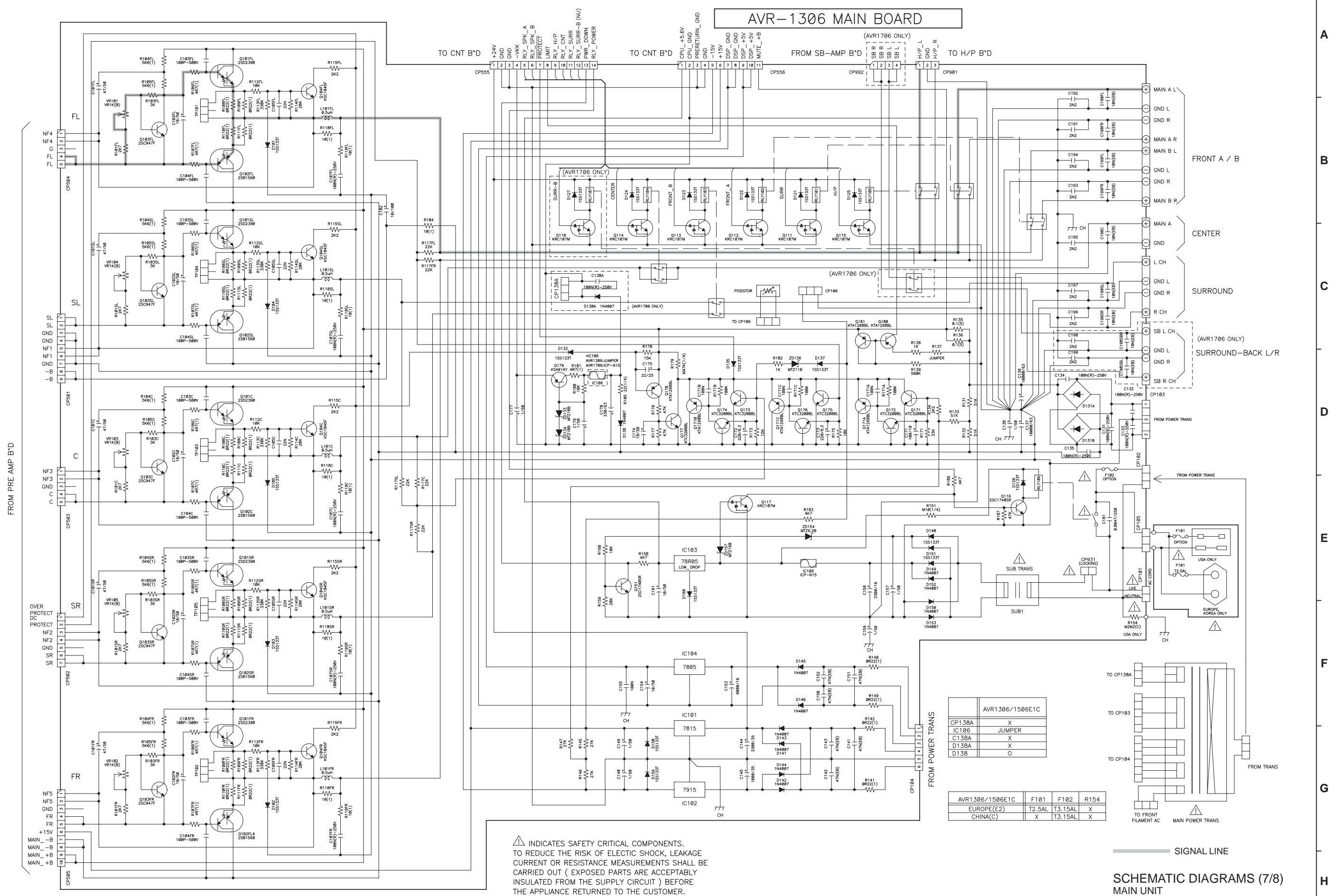
1 2 3 4 5 6 7 8 9 10 11



SCHEMATIC DIAGRAMS (6/8)
PRE-AMP UNIT
EXT-IN UNIT
C-VIDEO UNIT

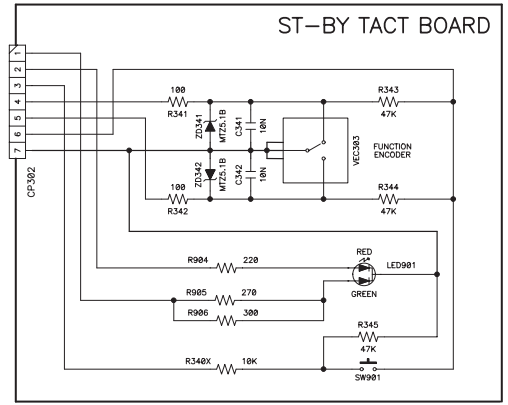
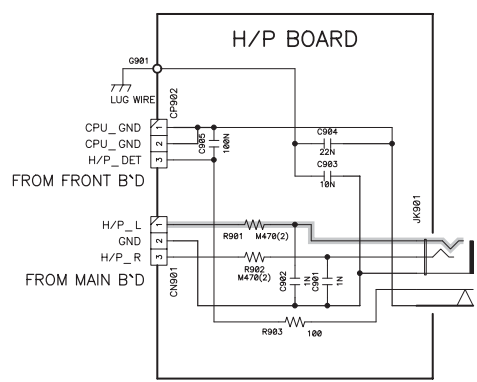
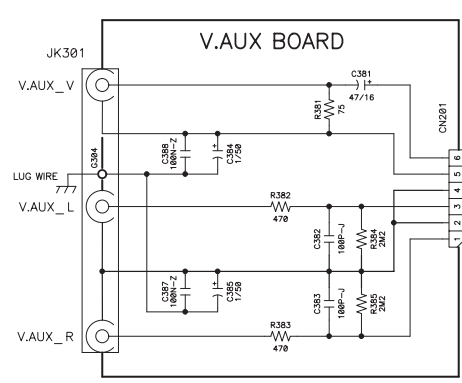
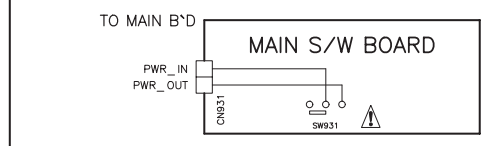
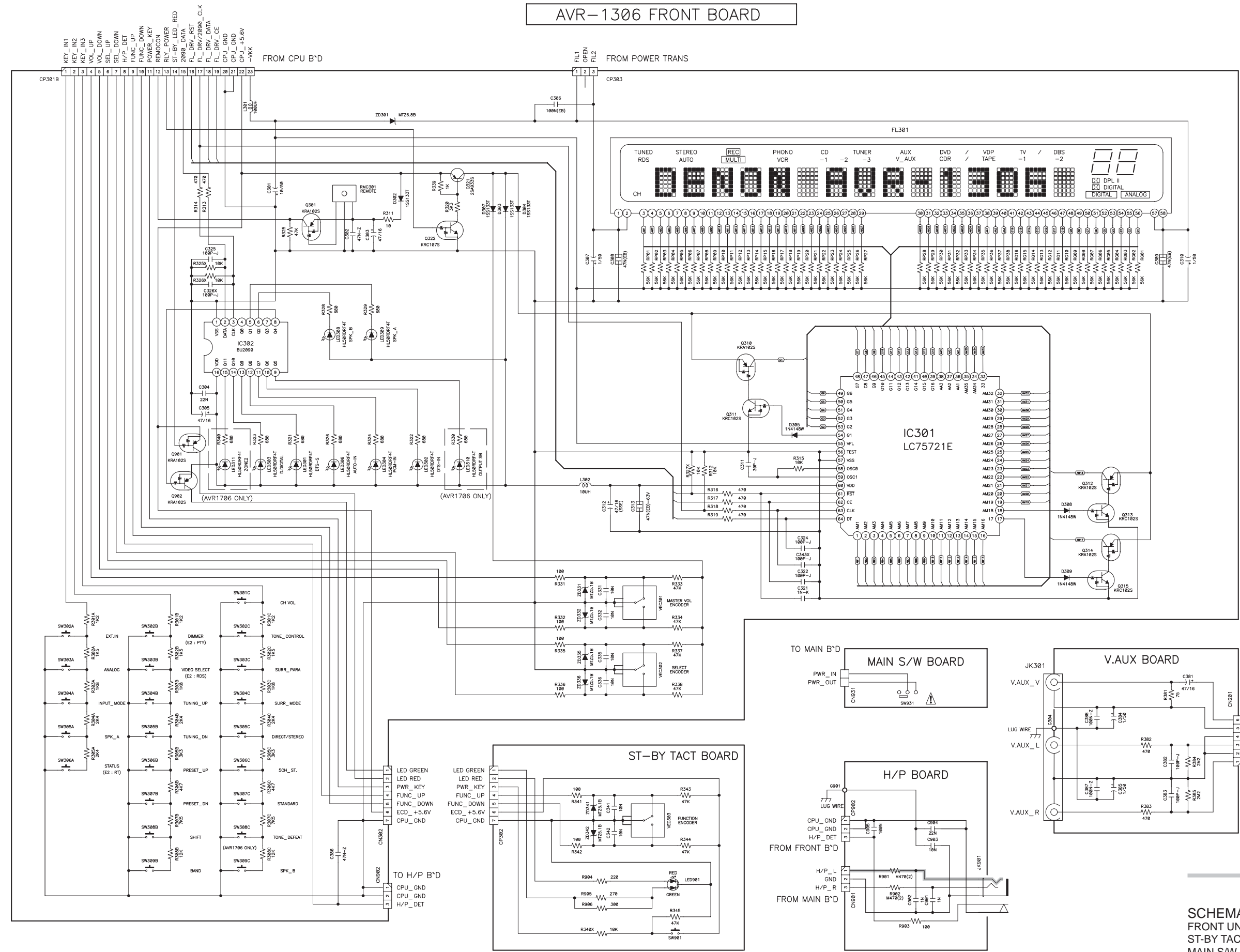
SCHEMATIC DIAGRAMS (7/8)

1 2 3 4 5 6 7 8 9 10 11



1 2 3 4 5 6 7 8 9 10 11

AVR-1306 FRONT BOARD



SIGNAL LINE

SCHEMATIC DIAGRAMS (8/8)
 FRONT UNIT
 ST-BY TACT UNIT
 MAIN S/W UNIT
 H/P UNIT

A
B
C
D
E
F
G
H

DOCUMENTS FOR WEEE

Details of Recycle parts

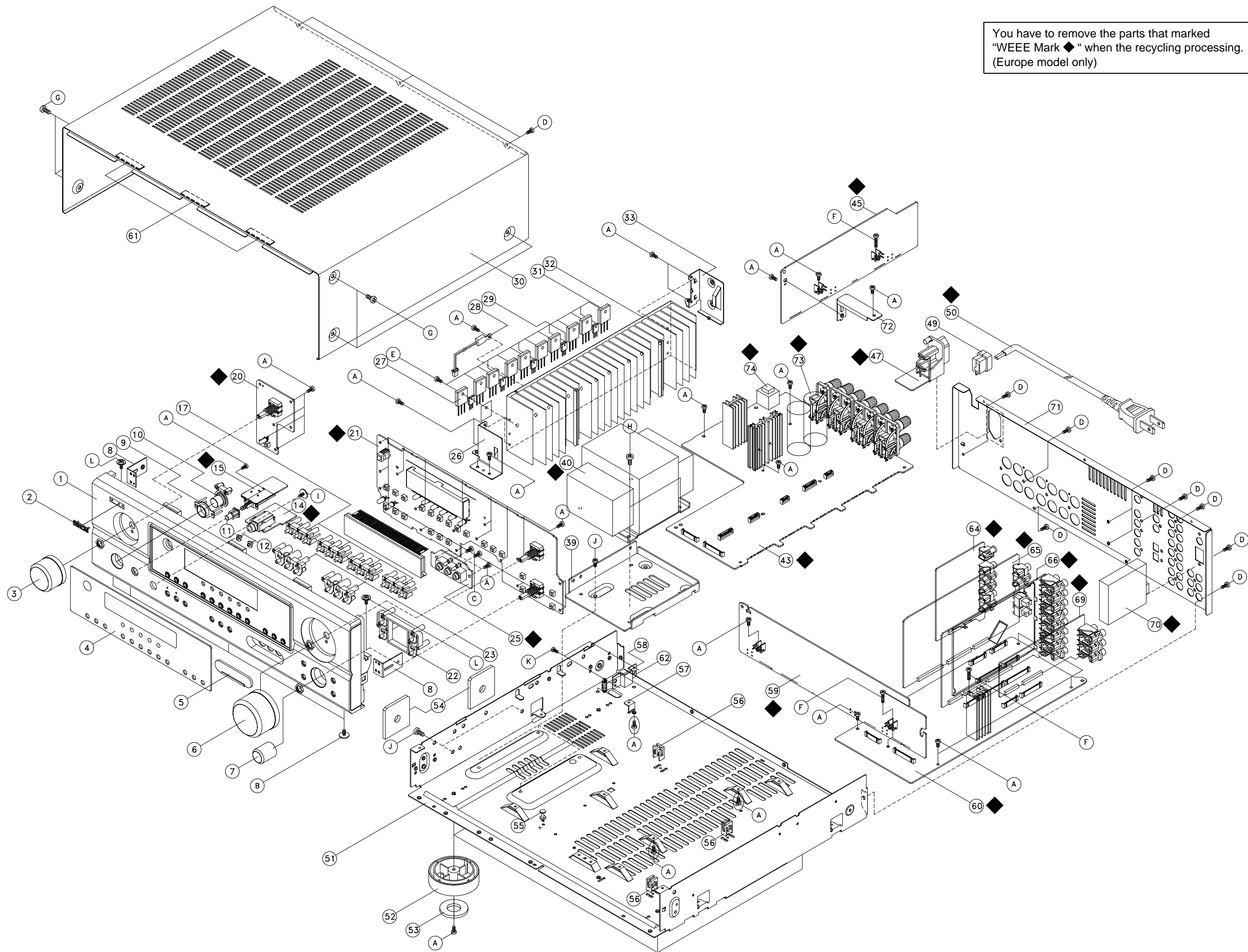
* You have to remove the parts that marked "WEEE Mark ◆" when the recycling processing. (Europe model only)

Ref. No.	WEEE Mark	Part Name	Remarks	Q'ty
43A 43 64	◆ ◆	MAIN P.W.B. Ass'y MAIN P.W.B. C-VIDEO P.W.B.	complex complex	1 1
21A		FRONT P.W.B. Ass'y		
15 21 25 60	◆ ◆ ◆ ◆	POWER SW P.W.B. FRONT P.W.B. V-AUX P.W.B. CPU P.W.B.	complex complex complex complex	1 1 1 1
59A 14 20 45 47	◆ ◆ ◆ ◆	CNT P.W.B. Ass'y HEADPHONE P.W.B. ST-BY TACT P.W.B. PRE AMP P.W.B. OUTLET P.W.B.	complex complex complex complex	1 1 1 1
59 69	◆ ◆	CNT P.W.B. 6CH-EXT P.W.B.	complex complex	1 1
66A 66	◆	INPUT P.W.B. Ass'y INPUT P.W.B.	complex	1
65A 65	◆	DSP P.W.B. Ass'y DSP P.W.B.	complex	1
1		PANEL FRONT	ABS	1
2		BADGE DENON	aluminum	1
3		KNOB INPUT	ABS	1
4		WINDOW DISPLAY	PVC	1
5		COVER RCA	ABS	1
6		KNOB VOLUME	ABS	1
7		KNOB SELECT	ABS	1
8		BRACKET SIDE L/R	steel	2
9		LENS STANDBY	PMMA	1
10		BUTTON STANDBY	aluminum+ABS	1
11		BUTTON POWER	aluminum+ABS	1
12		LENS LED	PMMA	2
17		BUTTON 3KEY(A)	ABS	4
22		BUTTON 4KEY	ABS	1
23		BUTTON 3KEY	ABS	2
26		BRACKET HEAT SINK-F	steel	1
27		TR 2SB1560-Y PNP	complex	5
28		POSISTOR P43T7D330BW16	complex	1
29		TR 2SD947F	complex	5
30		CABINET TOP	PVC+steel	1
31		TR 2SD2390-Y NPN	complex	5
32		HEAT SINK MAIN	aluminum	1
33		BRACKET HEAT SINK-B	steel	1
39		BRACKET TRANS	steel	1
40	◆	POWER TRANS (Main)	complex	1
49		STOPPER CORD	PA	1
50	◆	AC CORD	complex	1

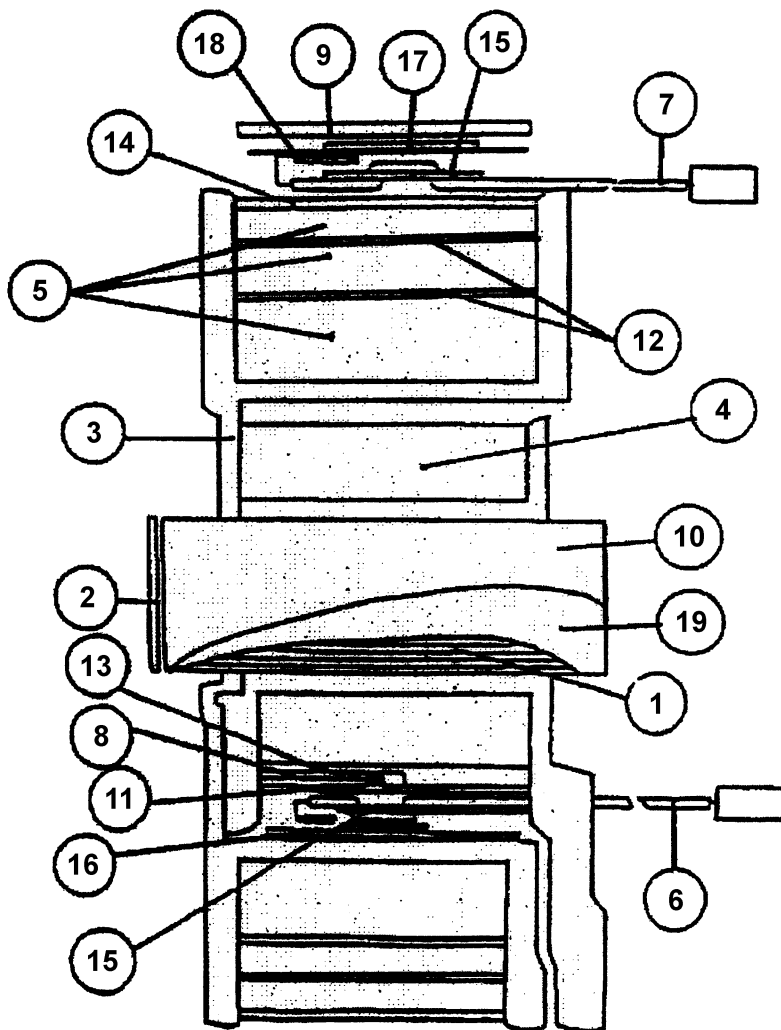
Ref. No.	WEEE Mark	Part Name	Remarks	Q'ty
51		CHASSIS MAIN	steel	1
52		FOOT	ABS	4
53		CUSHION FOOT	rubber	4
54		CUSHION SIDE	rubber	2
55		SPACER CARD	PA	1
56		SUPPORTER PCB	PA	3
57		BRACKET SUPPORTER	steel	1
58		SUPPORTER P.C.	PA	1
61		SHEET CABINET	rubber	3
62		BRACKET SIDE	steel	1
70	◆	TUNER,FM/AM	complex	1
71		CHASSIS BACK	steel	1
72		BRACKET PREAMP	steel	1
73	◆	CE68W1J103M(DL)	complex	2
74	◆	POWER TRANS (Sub)	complex	1
SCREWS				
A		SCREW (3X8 ZNY/BH)	steel	58
B		SCREW (3X8 NI WASHER PI12)	steel	4
C		SCREW (3X15 ZNY/BH)	steel	2
D		SCREW (3X10 BK/BH DOT)	steel	31
E		SCREW (3X14 P+S WASHER ZNY/HH)	steel	15
F		SCREW (3X17 ZNY/BH)	steel	3
G		SCREW (4X8 NI/BH DOT)	steel	6
H		SCREW (4X10 P+S WASHER ZNY/BH)	steel	4
I		SCREW (3X8 ZNY WASHER PI12)	steel	1
J		SCREW (4X6 ZNY/BH)	steel	6
K		SCREW (3X5 ZNY/BH)	steel	2
L		SCREW (3X8 WASHER PI9.5 ZNY/BH)	steel	2

Exploded view for AVR-1306 unit

You have to remove the parts that marked "WEEE Mark ◆" when the recycling processing. (Europe model only)

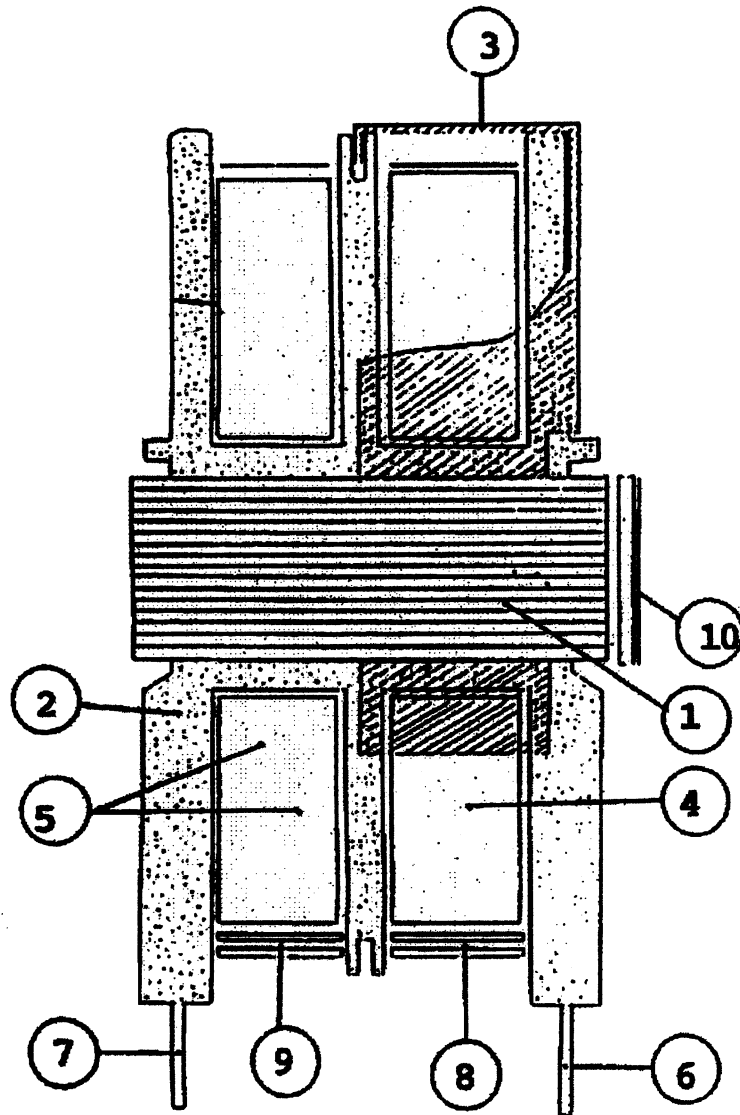


Details of Recycle parts for main transformer



NO.	MATERIAL
1	Silicon Steel Sheet
2	Steel
3	Polyethylene Terephthalate / Polybutylene Terephthalate
4	Polyurethane Enameled Copper Wire
5	Polyurethane Enameled Copper Wire
6	PVC Insulated Copper Wire
7	PVC Insulated Copper Wire
8	Thermal Fuse
9	Copper
10	Silicon Steel
11	Silicon Rubber Tube
12	Polyester Tape
13	Polyester Tape / Press Board or Polyester Film
14	Press Board / polyester film or Polyester Tape
15	Press Board
16	Polyester Tape
17	Polyester Tape / Press Board or Polyester Film
18	Polyester Tape
19	Polyester Non-woven Insulating Tape

Details of Recycle parts for sub transformer



NO.	MATERIAL
1	Silicon Steel Sheet
2	Polyethylene Terephthalate
3	PA66
4	Polyurethane Enameled Copper Wire
5	Polyurethane Enameled Copper Wire
6	Copper Alloy
7	Copper Alloy
8	Polyester Tape
9	Press Board or Polyester Film
10	Polyester Tape