

DENON

For Japan & Europe model

Ver. 1

SERVICE MANUAL

MODEL AVR-550SD

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, Ltd.

TOKYO, JAPAN

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！

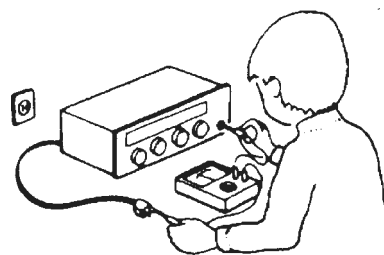
安全上、テープやチューブなどの絶縁材料を使用したり、プリント基板から浮かして取付けた部品があります。また内部配線は引きまわしやクランプによって発熱部品や高圧部品に接近しないように配慮されていますので、これらは必ず元どおりにしてください。

●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

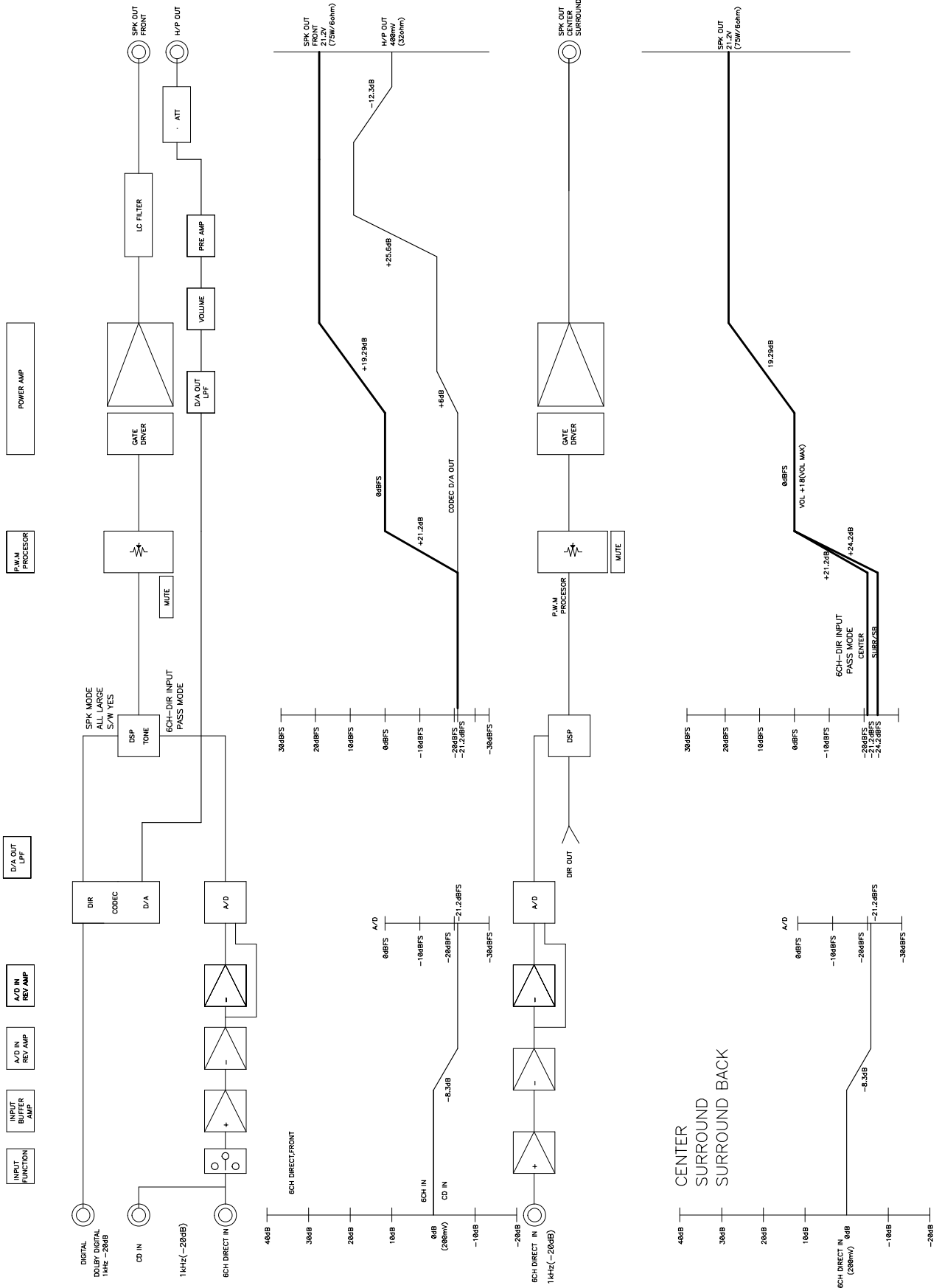
本機に使用している多くの電気部品、および機構部品は安全上、特別な特性を持っています。この特性はほとんどの場合、外観では判別つきにくく、また、もとの部品より高い定格（定格電力、耐圧）を持ったものを使用しても安全性が維持されるとは、限りません。安全上の特性を持った部品は、このサービスマニュアルの配線図、部品表につきのように表示していますので、必ず指定されている部品番号のものを使用願います。

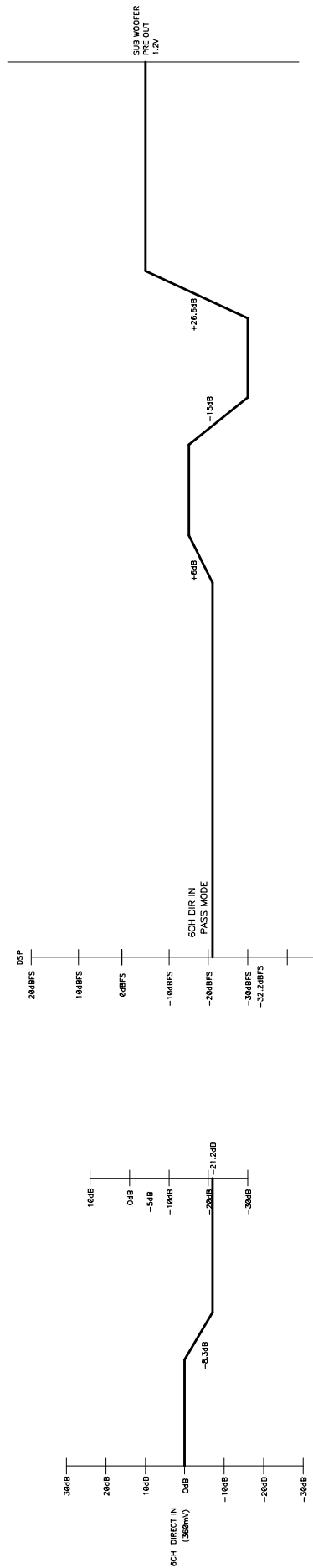
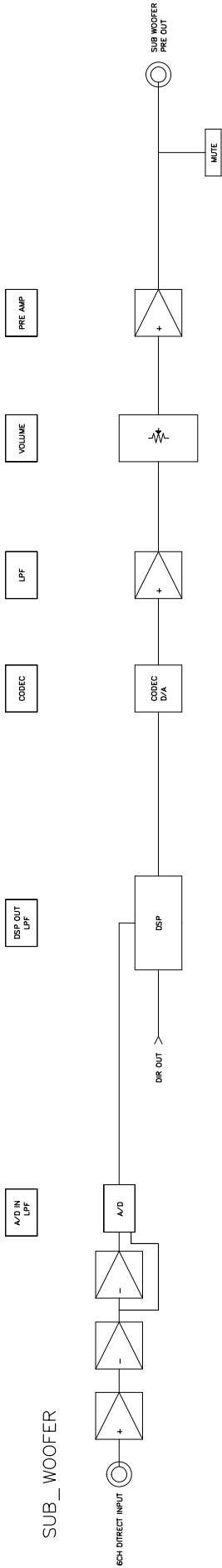
(1)配線図… △マークで表示しています。

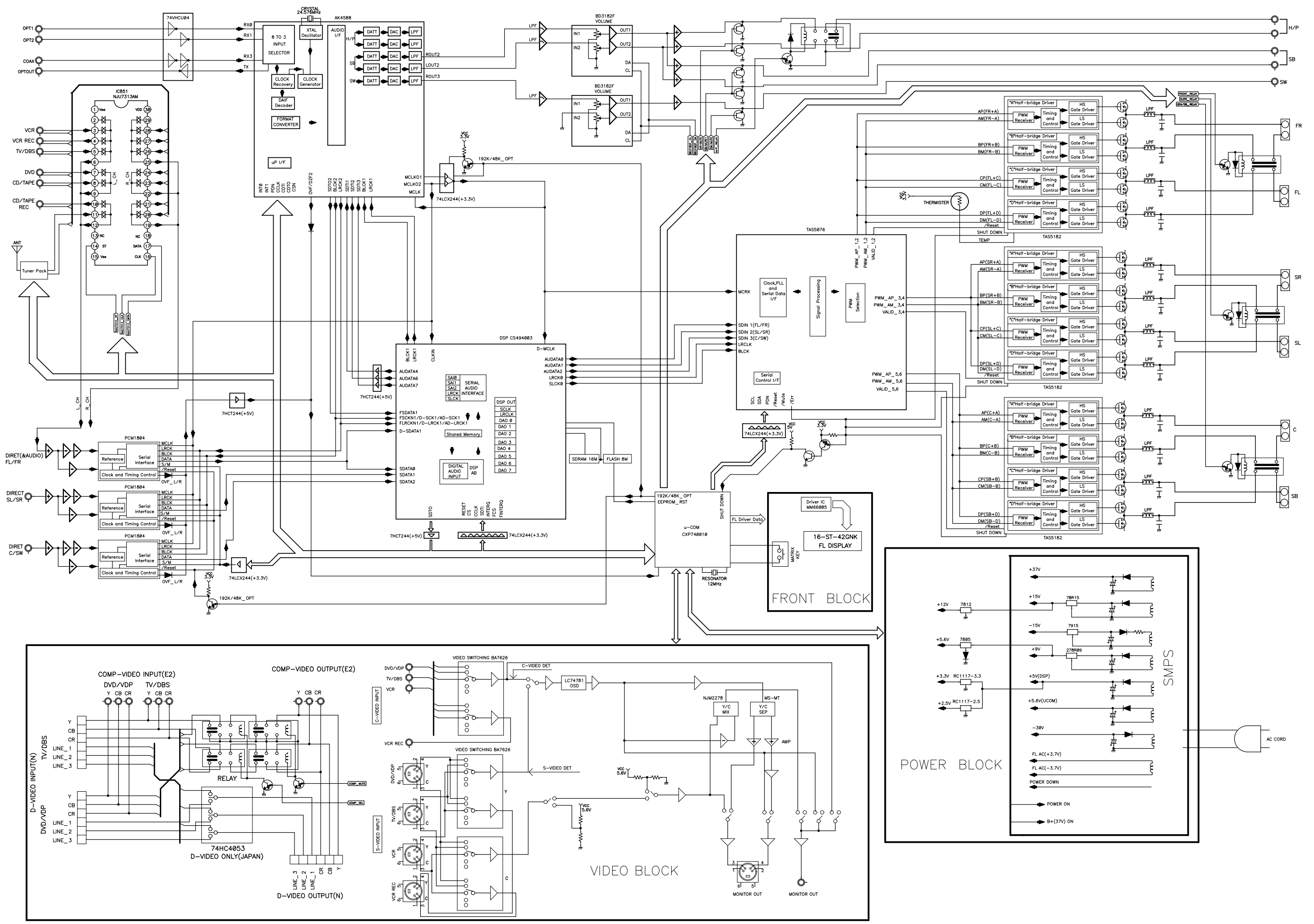
(2)部品表… △マークで表示しています。

指定された部品と異なるものを使用した場合には、感電、火災などの危険を生じる恐れがあります。

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

Note: Abbreviation ahead of IC No. indicates the name of P.W.B., etc.

注): IC No. の前の記号は、基板の名称を表します。

MAIN: AUDIO DIGITAL P.W.B.

FRONT: FRONT P.W.B.

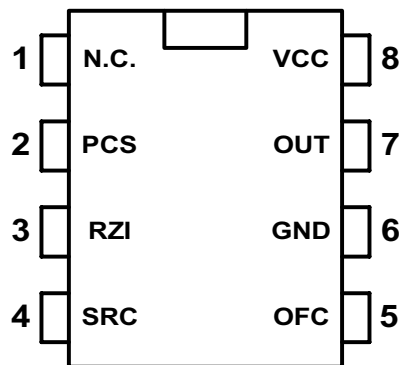
SMPS: SMPS P.W.B.

VIDEO: VIDEO P.W.B.

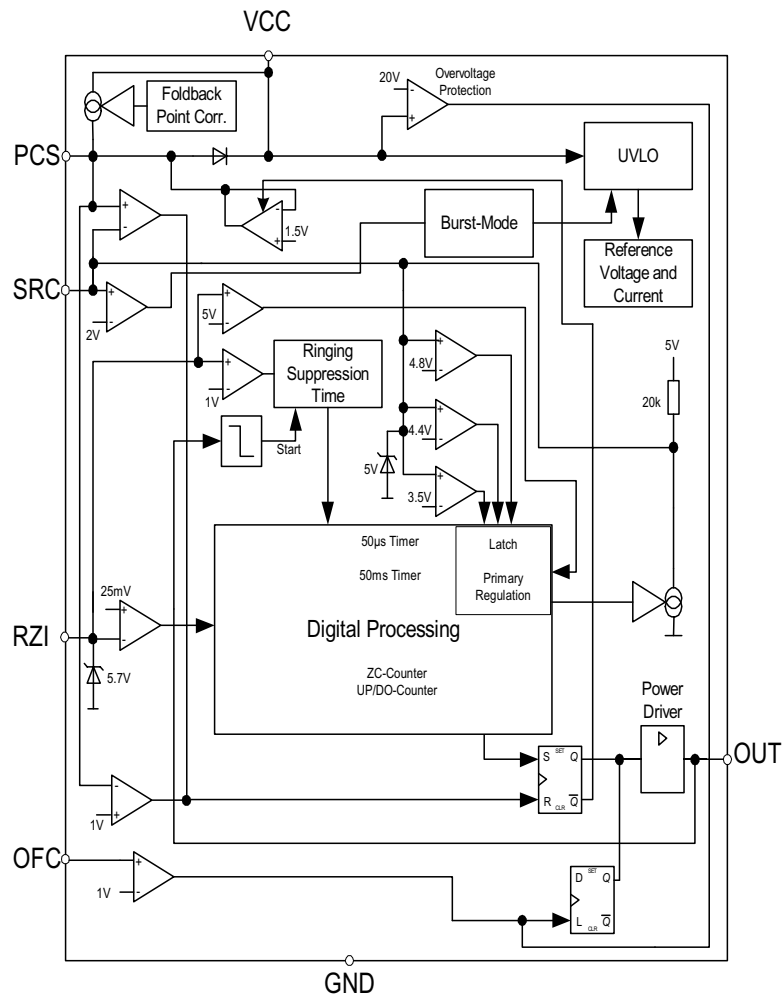
I/O: INPUT/OUTPUT P.W.B.

ICE1QS01 (SMPS:IC1)

Pin Assignmen

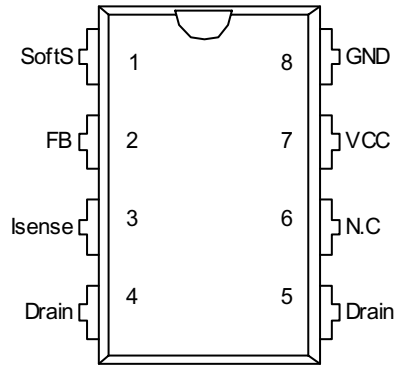


Block Diagram

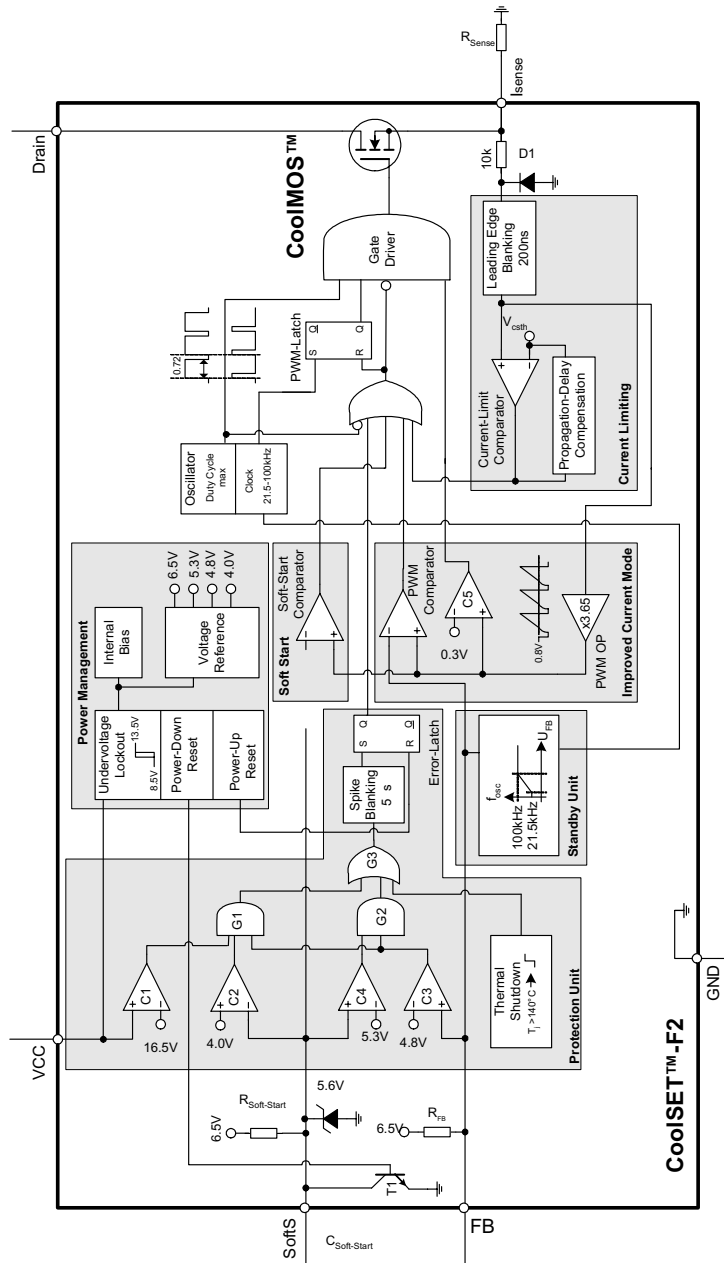


ICE2B265 (SMPS:IC2)
ICE2B0565 (SMPS:IC3)

Pin Assignmen

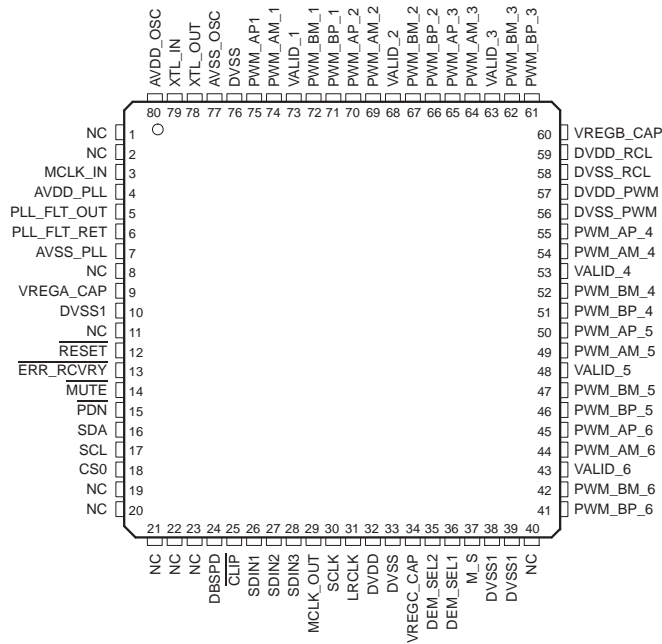


Block Diagram



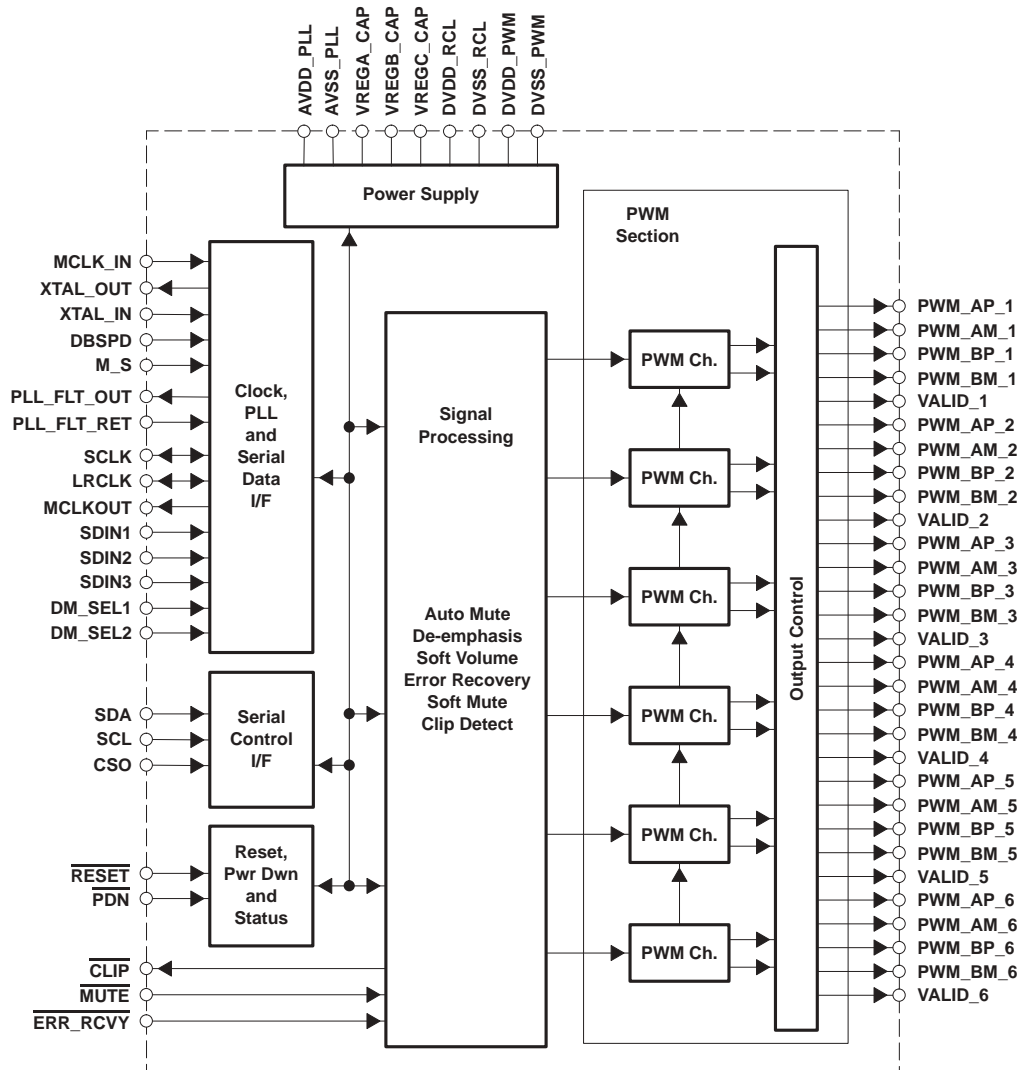
TAS5076 (MAIN: IC100)

Pin Assignment



NC – No internal connection

Block Diagram

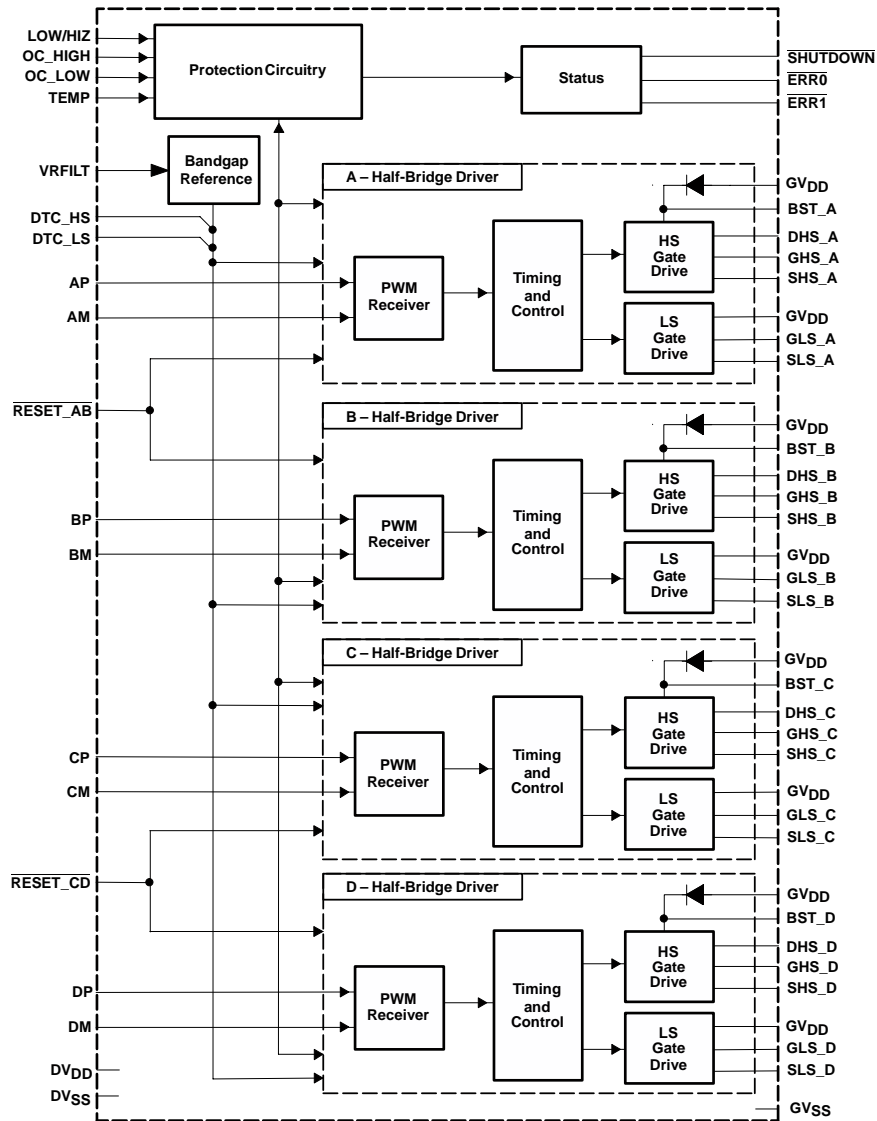


TAS5182 (MAIN: IC102,103,104)

Pin assignments

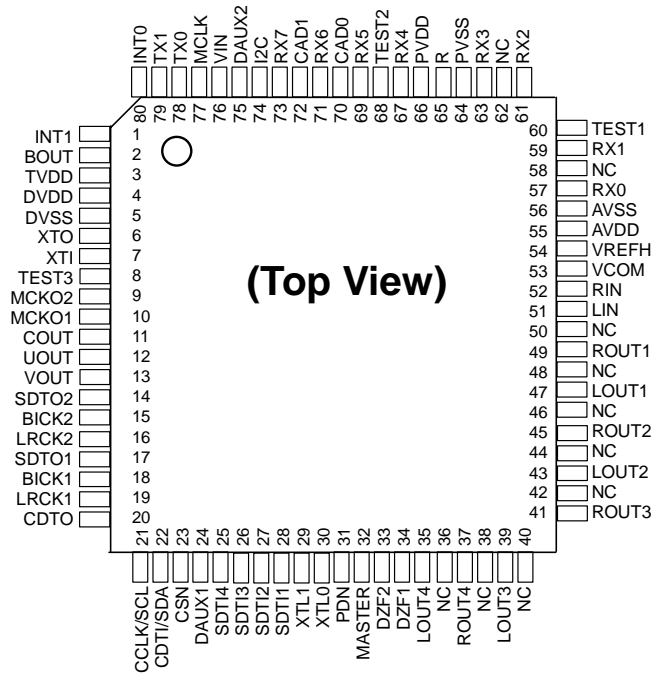
NC	1	56	GVSS
NC	2	55	GVDD
DVDD	3	54	GLS_A
DVSS	4	53	SLS_A
NC	5	52	SHS_A
DTC_HS	6	51	GHS_A
DTC_LS	7	50	BST_A
OC_HIGH	8	49	DHS_A
VRFLT	9	48	GLS_B
AP	10	47	SLS_B
AM	11	46	SHS_B
RESET_AB	12	45	GHS_B
BM	13	44	BST_B
BP	14	43	DHS_B
CP	15	42	GLS_C
CM	16	41	SLS_C
RESET_CD	17	40	SHS_C
DM	18	39	GHS_C
DP	19	38	BST_C
SHUTDOWN	20	37	DHS_C
ERR0	21	36	GLS_D
ERR1	22	35	SLS_D
LOW/HIZ	23	34	SHS_D
DVSS	24	33	GHS_D
NC	25	32	BST_D
NC	26	31	DHS_D
OC_LOW	27	30	GVDD
TEMP	28	29	GVSS

Block Diagram

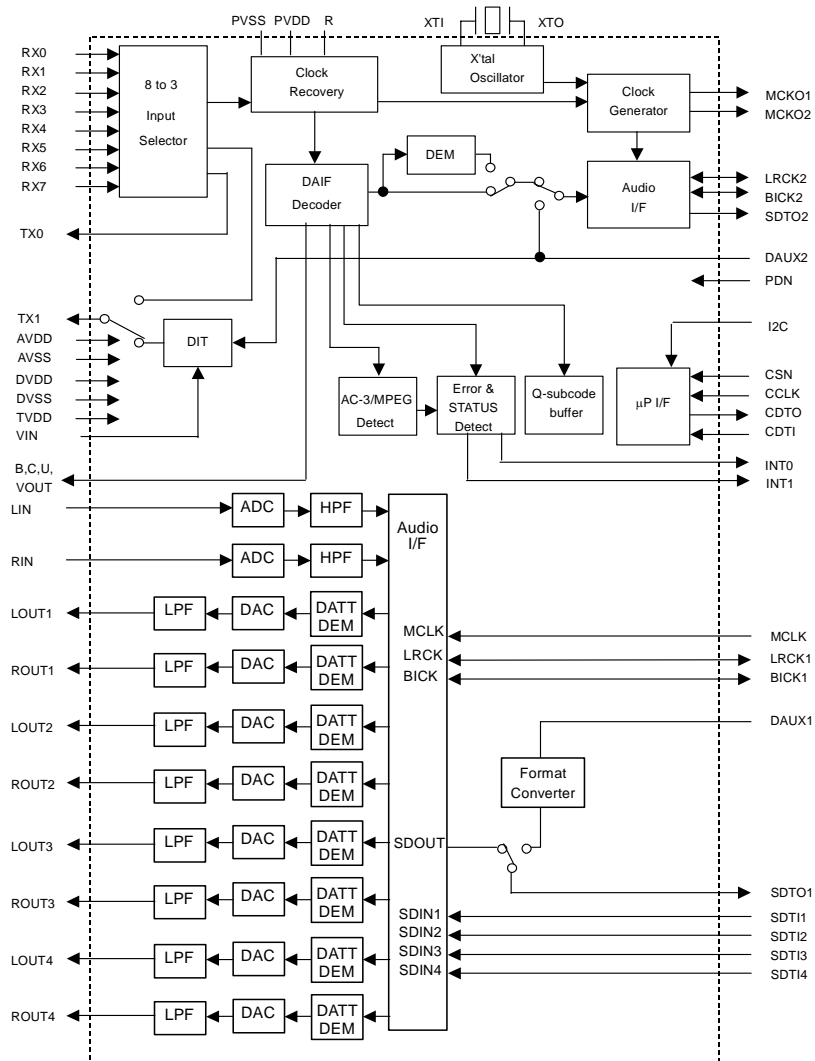


AK4588 (MAIN: IC219)

Pin assignments



Block Diagram



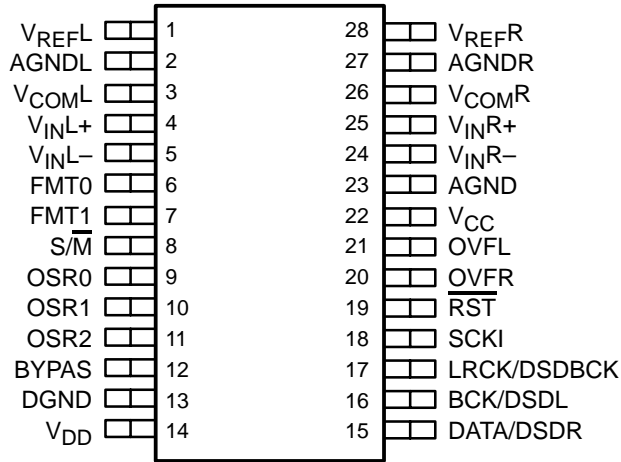
Functions

No.	Pin Name	I/O	Function
1	INT1	O	Interrupt 1 Pin
2	BOUT	O	Block-Start Output Pin for Receiver Input "H" during first 40 flames.
3	TVDD	-	Output Buffer Power Supply Pin, 2.7V~5.5V
4	DVDD	-	Digital Power Supply Pin, 3.3V
5	DVSS	-	Digital Ground Pin
6	XTO	O	X'tal Output Pin
7	XTI	I	X'tal Input Pin
8	TEST3	I	Test 3 Pin This pin should be connected to DVSS.
9	MCKO2	O	Master Clock Output 2 Pin
10	MCKO1	O	Master Clock Output 1 Pin
11	COUT	O	C-bit Output Pin for Receiver Input
12	UOUT	O	U-bit Output Pin for Receiver Input
13	VOUT	O	V-bit Output Pin for Receiver Input
14	SDTO2	O	Audio Serial Data Output Pin (DIR/DIT part)
15	BICK2	I/O	Audio Serial Data Clock Pin (DIR/DIT part)
16	LRCK2	I/O	Channel Clock Pin (DIR/DIT part)
17	SDTO1	O	Audio Serial Data Output Pin (ADC/DAC part)
18	BICK1	I/O	Audio Serial Data Clock Pin (ADC/DAC part)
19	LRCK1	I/O	Input Channel Clock Pin
20	CDTO	O	Control Data Output Pin in Serial Mode, I2C="L".
21	CCLK	I	Control Data Clock Pin in Serial Mode, I2C="L".
	SCL	I	Control Data Clock Pin in Serial Mode, I2C="H".
22	CDTI	I	Control Data Input Pin in Serial Mode, I2C="L".
	SDA	I/O	Control Data Pin in Serial Mode, I2C="H".
23	CSN	I	Chip Select Pin in Serial Mode, I2C="L".
		I	This pin should be connected to DVSS, I2C="H".
24	DAUX1	I	AUX Audio Serial Data Input Pin (ADC/DAC part)
25	SDTI4	I	DAC4 Audio Serial Data Input Pin
26	SDTI3	I	DAC3 Audio Serial Data Input Pin
27	SDTI2	I	DAC2 Audio Serial Data Input Pin
28	SDTI1	I	DAC1 Audio Serial Data Input Pin
29	XTL1	I	X'tal Frequency Select 0 Pin
30	XTL0	I	X'tal Frequency Select 1 Pin
31	PDN	I	Power-Down Mode Pin When "L", the AK4588 is powered-down, all output pin goes "L", all registers are reset. When CAD1/0 pins are changed, the AK4588 should be reset by PDN pin.
32	MASTER	I	Master Mode Select Pin "H": Master mode, "L": Slave mode
33	DZF2	O	Zero Input Detect 2 Pin (Note 1) When the input data of the group 1 follow total 8192 LRCK cycles with "0" input data, this pin goes to "H". And when RSTN bit is "0", PWDAN bit is "0", this pin goes to "H". It always is in "L" when P/S is "H".
	OVF	O	Analog Input Overflow Detect Pin (Note 2) This pin goes to "H" if the analog input of Lch or Rch overflows.
34	DZF1	O	Zero Input Detect 1 Pin (Note 1) When the input data of the group 1 follow total 8192 LRCK cycles with "0" input data, this pin goes to "H". And when RSTN bit is "0", PWDAN bit is "0", this pin goes to "H". Output is selected by setting DZFE pin when P/S is "H".
35	LOUT4	O	DAC4 Lch Analog Output Pin
36	NC	-	No Connect No internal bonding.
37	ROUT4	O	DAC4 Rch Analog Output Pin
38	NC	-	No Connect No internal bonding.
39	LOUT3	O	DAC3 Lch Analog Output Pin
40	NC	-	No Connect No internal bonding.
41	ROUT3	O	DAC3 Rch Analog Output Pin
42	NC	-	No Connect No internal bonding.
43	LOUT2	O	DAC2 Lch Analog Output Pin
44	NC	-	No Connect No internal bonding.
45	ROUT2	O	DAC2 Rch Analog Output Pin
46	NC	-	No Connect No internal bonding.
47	LOUT1	O	DAC1 Lch Analog Output Pin
48	NC	-	No Connect No internal bonding.
49	ROUT1	O	DAC1 Rch Analog Output Pin
50	NC	-	No Connect No internal bonding.
51	LIN	I	Lch Analog Input Pin
52	RIN	I	Rch Analog Input Pin
53	VCOM	-	Common Voltage Output Pin 2.2μF capacitor should be connected to PVSS externally.
54	VREFH	-	Positive Voltage Reference Input Pin, AVDD

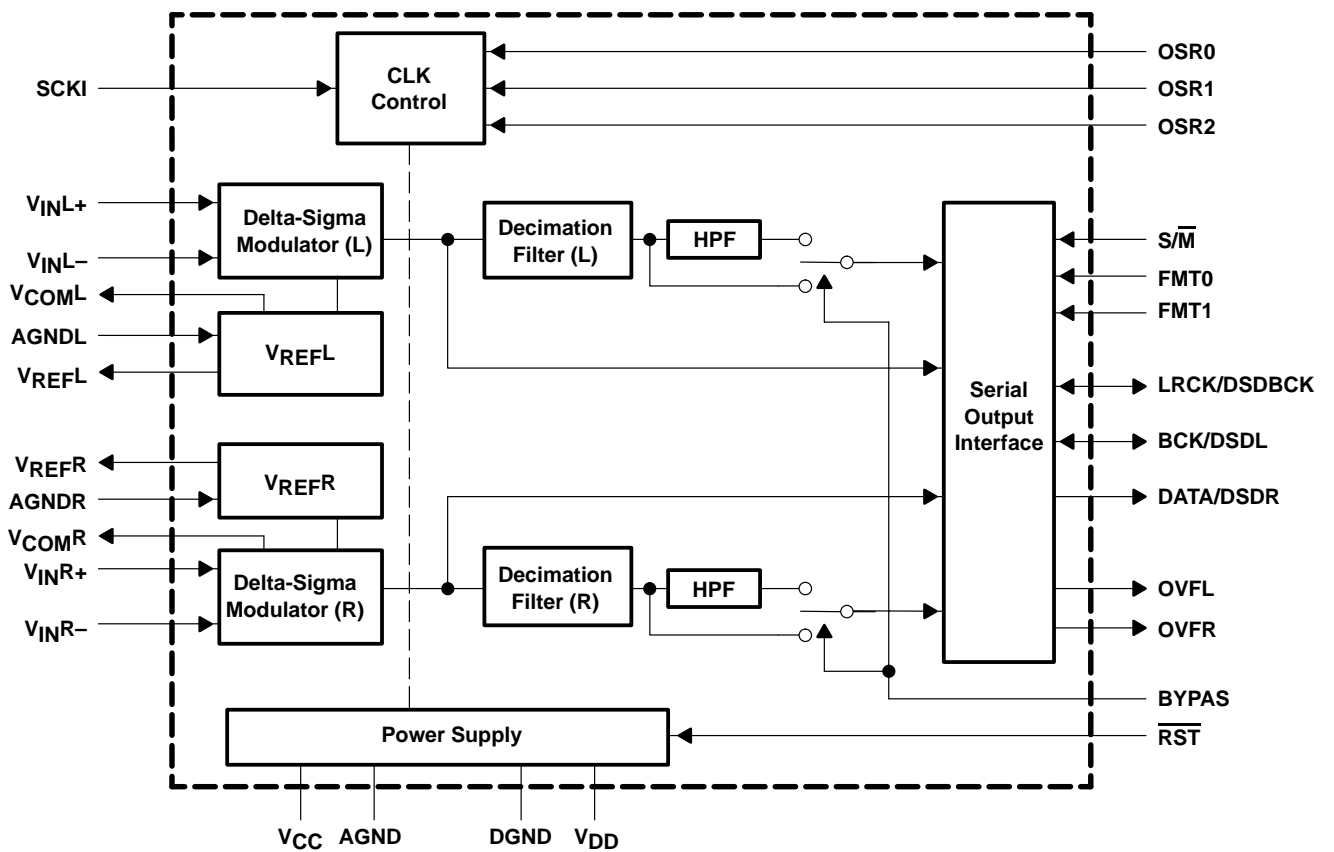
No.	Pin Name	I/O	Function
55	AVDD	-	Analog Power Supply Pin, 4.5V~5.5V
56	AVSS	-	Analog Ground Pin, 0V
57	RX0	I	Receiver Channel 0 Pin (Internal biased pin) This channel is default in serial mode.
58	NC	-	No Connect This pin should be connected to PVSS.
59	RX1	I	Receiver Channel 1 Pin (Internal biased pin)
60	TEST1	I	Test 1 Pin This pin should be connected to PVSS.
61	RX2	I	Receiver Channel 2 Pin (Internal biased pin)
62	NC	-	No Connect This pin should be connected to PVSS.
63	RX3	I	Receiver Channel 3 Pin (Internal biased pin)
64	PVSS	-	PLL Ground pin
65	R	-	External Resistor Pin 12k Ω +/-1% resistor should be connected to PVSS externally.
66	PVDD	-	PLL Power supply pin, 5.0V
67	RX4	I	Receiver Channel 4 Pin (Internal biased pin)
68	TEST2	I	Test 2 Pin This pin should be connected to PVSS.
69	RX5	I	Receiver Channel 5 Pin (Internal biased pin)
70	CAD0	I	Chip Address 0 Pin (ADC/DAC part)
71	RX6	I	Receiver Channel 6 Pin (Internal biased pin)
72	CAD1	I	Chip Address 1 Pin (ADC/DAC part)
73	RX7	I	Receiver Channel 7 Pin (Internal biased pin)
74	I2C	I	Control Mode Select Pin. "L": 4-wire Serial, "H": I ² C Bus
75	DAUX2	I	Auxiliary Audio Data Input Pin (DIR/DIT part)
76	VIN	I	V-bit Input Pin for Transmitter Output
77	MCLK	I	Master Clock Input Pin
78	TX0	O	Transmit Channel (Through Data) Output 0 Pin
79	TX1	O	Transmit Channel Output1 pin When TX bit = "0", Transmit Channel (Through Data) Output 1 Pin. When TX bit = "1", Transmit Channel (DAUX2 Data) Output Pin (Default).
80	INT0	O	Interrupt 0 Pin

PCM1804 (MAIN: IC212,213,214)

Pin Assignment

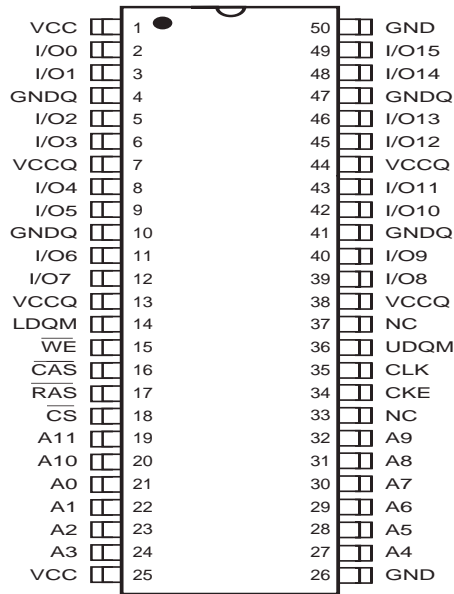


Block Diagram

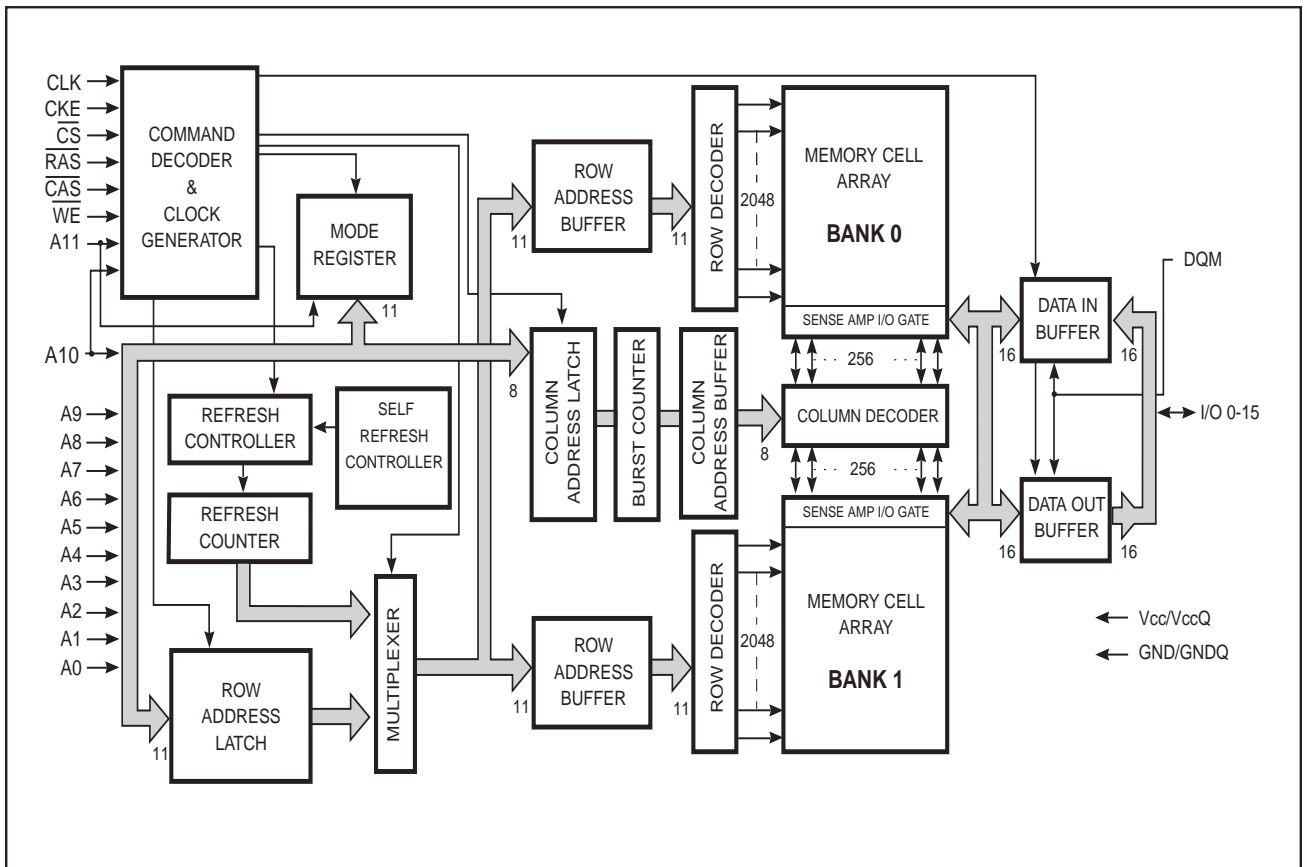


IS42S16100 (MAIN: IC223)

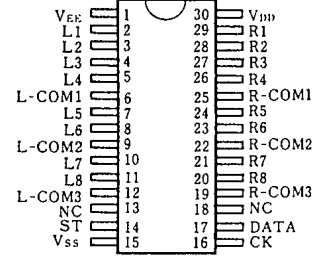
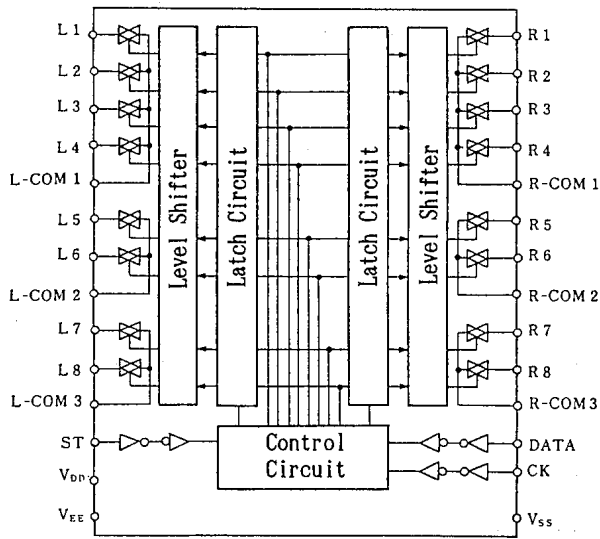
Pin Assignment



Block Diagram

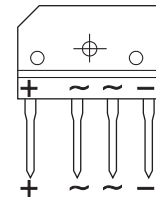
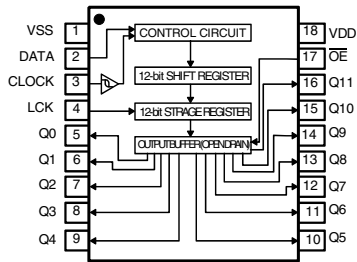


NJU7313A (I/O: IC851)

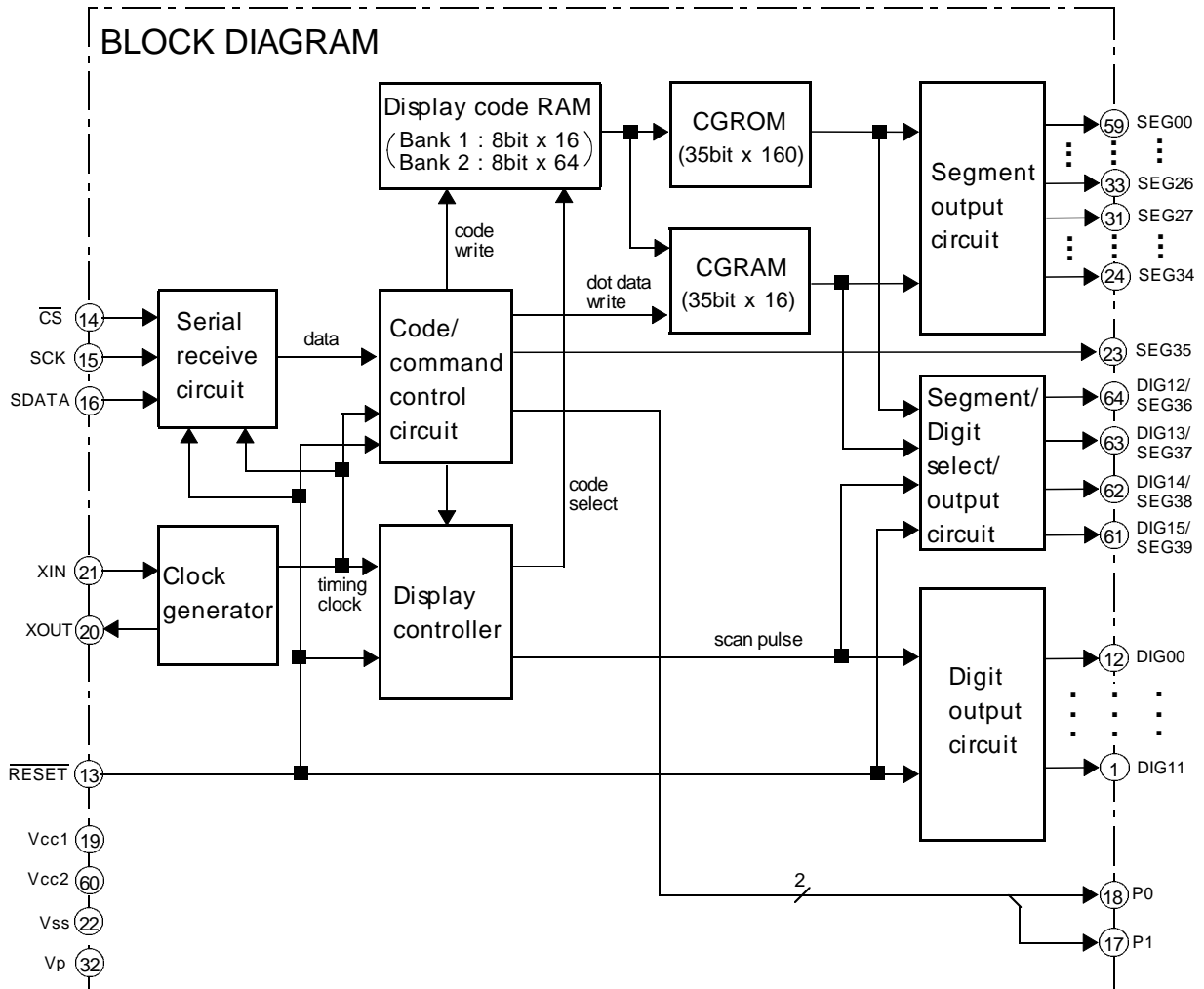
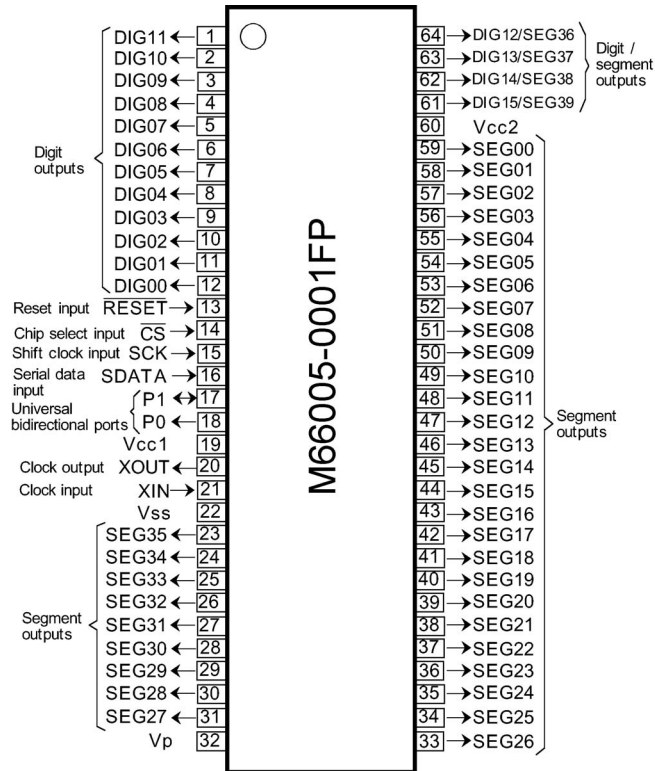


BU2090F (FRONT: IC902,607)

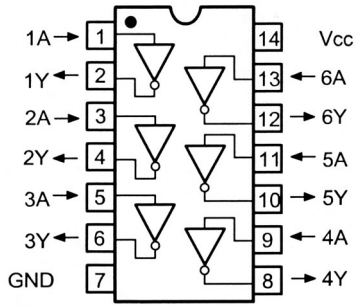
TS10P05G (SMPS:BD1)



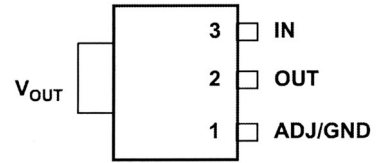
M66005FP (FRONT: IC901)



SN74VHCU04N (I/O: IC7)

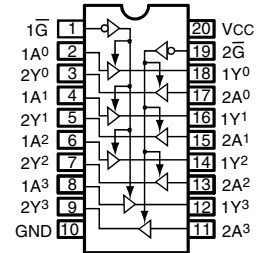
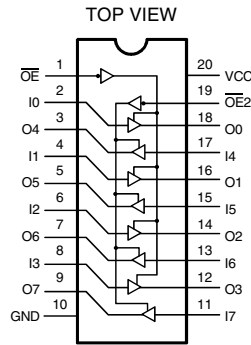
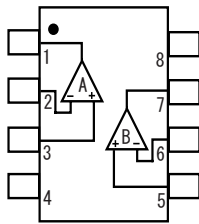


**RC1117-25 (MAIN: IC215)
RC1117-33 (MAIN: IC404)**

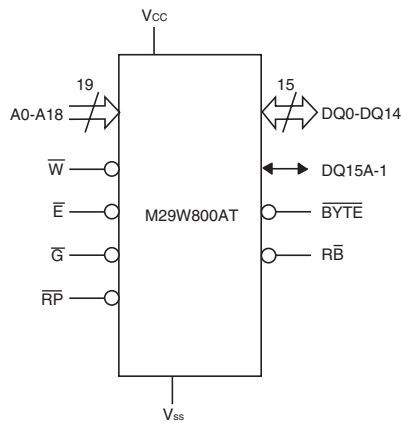
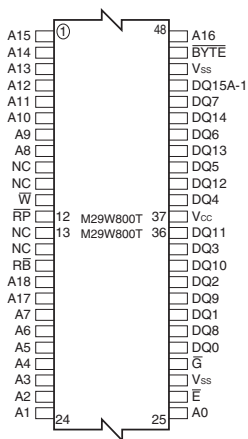


**NJM2068M (MAIN: IC220~222,231~242)
NJM4560M (MAIN: IC230)**

MM74LCX244 (MAIN: IC225,227,228) MM74HCT244 (MAIN: IC226)



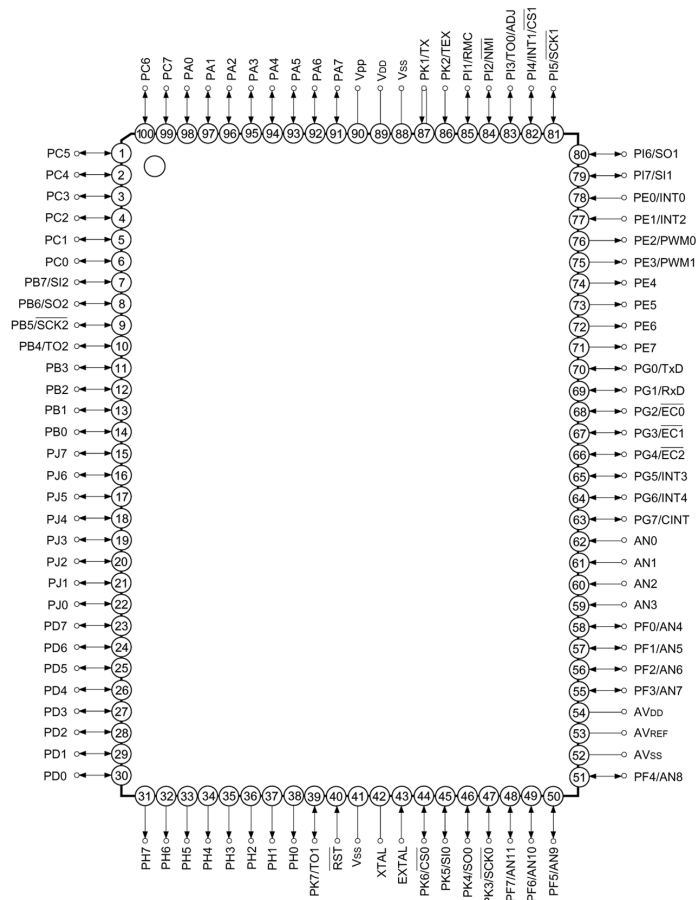
M29W800AT (MAIN: IC224)



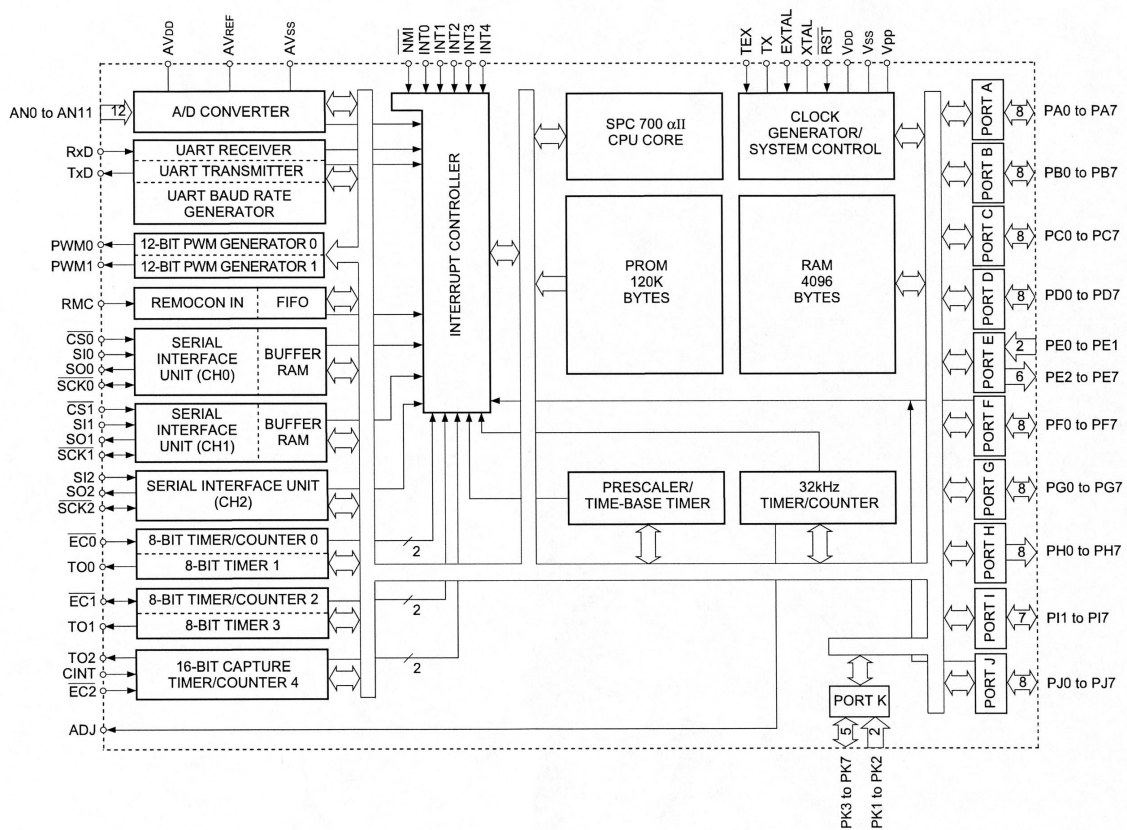
PIN DESCRIPTION

Symbol	Pin Name
A0-A18	Address Inputs
DQ0-DQ7	Data Input/Outputs, Command Inputs
DQ8-DQ14	Data Input/Outputs
DQ15A-1	Data Input/Output or Address Input
\bar{E}	Chip Enable
\bar{G}	Output Enable
\bar{W}	Write Enable
\bar{RP}	Reset/Block Temporary Unprotect
\bar{RB}	Ready/Busy Output
BYTE	Byte/Word Organization
Vcc	Supply Voltage
Vss	Ground
NC	No Connected Internally
DU	Don't Use as Internally Connected

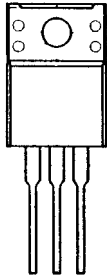
CXP7400P10 (MAIN: IC401)



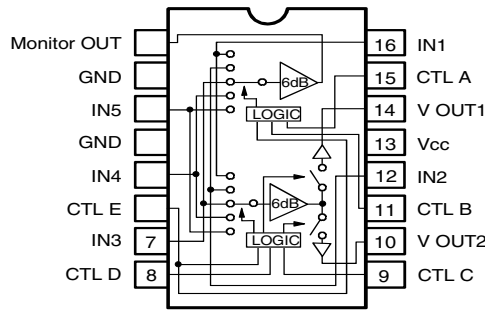
Block Diagram



KIA7805API (MAIN: IC407)
KIA7812API (MAIN: IC406)



BA7626(VIDEO: IC601,603,607)



A	B	E	MONITOR OUT
L	L	*	IN 1
H	L	*	IN 2
L	H	*	IN 3
H	H	L	IN 4
H	H	H	IN 5

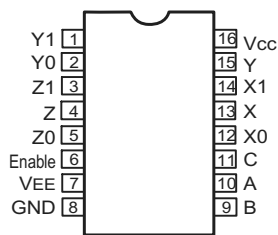
C	D	E	V OUT 1
L	L	*	—
H	L	*	IN 2
L	H	*	IN 3
H	H	L	IN 4
H	H	H	IN 5

C	D	E	V OUT 2
L	L	*	IN 1
H	L	*	—
L	H	*	IN 3
H	H	L	IN 4
H	H	H	IN 5

Note 1: * mark means that feasible for either H or L.

Note 2: Each input terminal is provided with sink chip clamp (BA7625). Each input terminal takes 20kohm at the end (BA7626).

MM74HC4053MX (VIDEO: IC611~613,705)



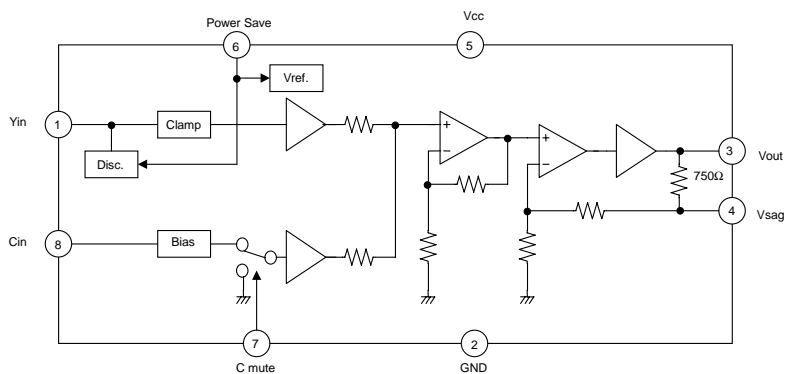
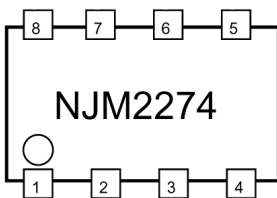
Truth Table

Enable	Control Inputs			ONSwitches
	C	B	A	
L	L	L	L	Z0 Y0 X0
L	L	L	H	Z0 Y0 X1
L	L	H	L	Z0 Y1 X0
L	L	H	H	Z0 Y1 X1
L	H	L	L	Z1 Y0 X0
L	H	L	H	Z1 Y0 X1
L	H	H	L	Z1 Y1 X0
L	H	H	H	Z1 Y1 X1
H	X	X	X	None

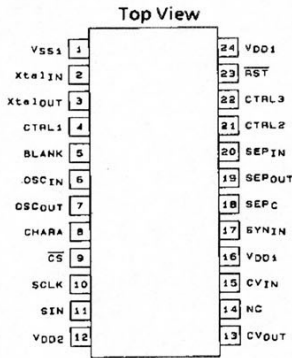
X = Don't Care

NJM2274 (VIDEO: IC610))

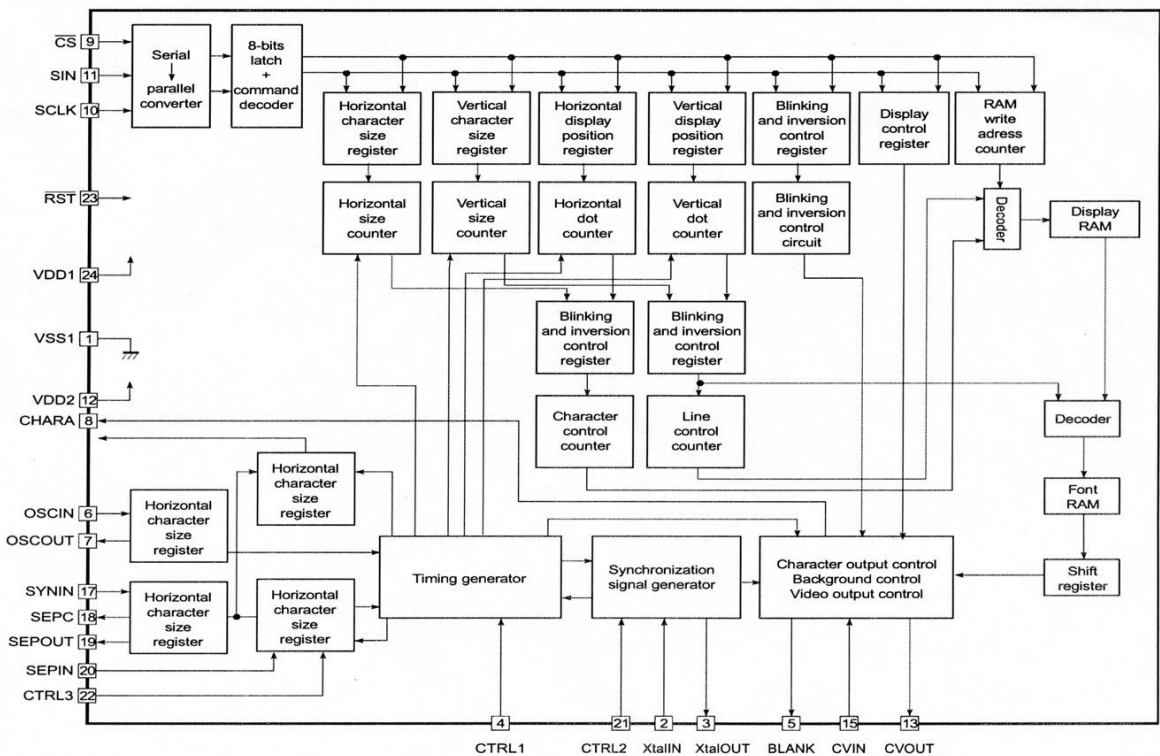
BLOCK DIAGRAM



LC74781 (VIDEO: IC609)



Pin No.	Symbol	Name
1	VSS1	GND
2	Xtal IN	Xtal oscillation
3	Xtal OUT	Xtal oscillation
4	CTRL1	Xtal oscillation input switching
5	BLANK	Blank output
6	OSC IN	LC oscillation
7	OSC OUT	LC oscillation
8	CHARA	Character output
9	CS	Enable input
10	SCLK	Clock input
11	SIN	Data input
12	VDD2	Power
13	CV OUT	VIDEO signal output
14	NC	
15	CV IN	VIDEO signal input
16	VDD1	Power
17	SYN IN	Sync. separate circuit input
18	SEP C	Sync. separate circuit bias voltage
19	SEP OUT	Complex sync. signal output
20	SEP IN	Vertical sync. signal input
21	CTRL2	NTSC/PAL-M switching input
22	CTRL3	SEP IN input control
23	RST	Reset input
24	VDD1	Power (+5V)

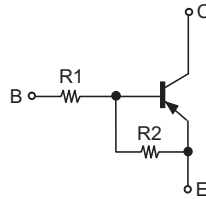


● TRANSISTORS

KRC107M
 KRA102M
 KRA104M
 KTC3198
 2SA933
 KTA1266
 KSA916
 KSC2383(Q3)
 KSR1004(Q4,Q5)

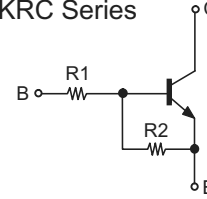
KRA102S
 KRC102S
 KRC107S
 KTA3875S
 KTA1504S
 KRC234S
 KTC2875

KRA Series

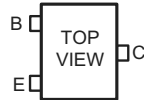
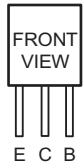


	R1	R2
KRA102M/S	10Kohm	10Kohm
KRA104M	47Kohm	47Kohm

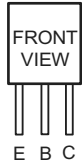
DTC Series
 KRC Series



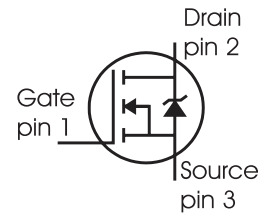
	R1	R2
KRC107M/S	10Kohm	47Kohm
KRC102S	10Kohm	10Kohm
KRC2345S	4.7Kohm	—



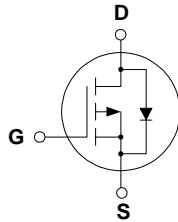
2SA708
 2SC1008
 KSP2222A(Q1,Q2)



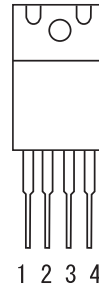
SPP20N60S5



IRFZ24N (AM:Q561~564,Q661~664,Q761~764)



KA78R15(U4)
 KA278R09(U5)



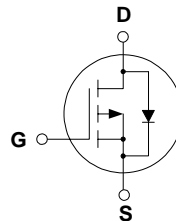
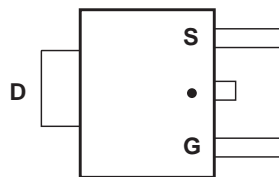
PIN FUNCTION

- 1. IN
- 2. OUT
- 3. GND
- 4. ON/OFF CONTROL
 "H" or OPEN : ON
 "L" : OFF

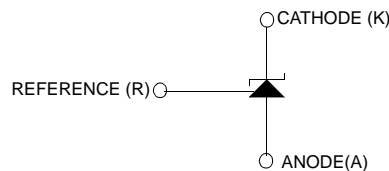
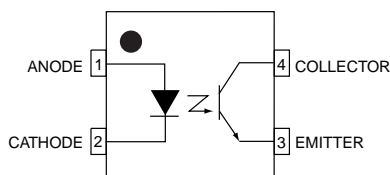
KIA79151PI



FQD5P10

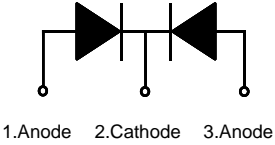


H11A817(PC1~6)

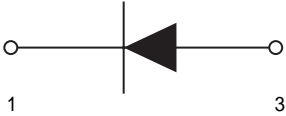


● DIODE

SF3006PT(D11)



SFAF808G(G5)



2. FL DISPLAY

15-ST-43GN



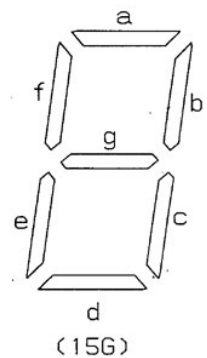
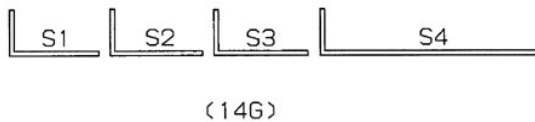
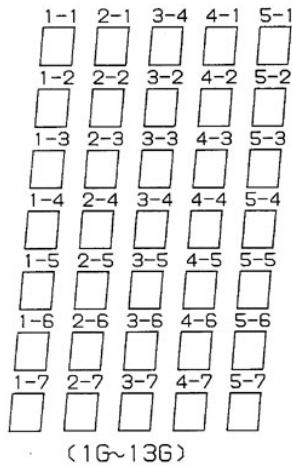
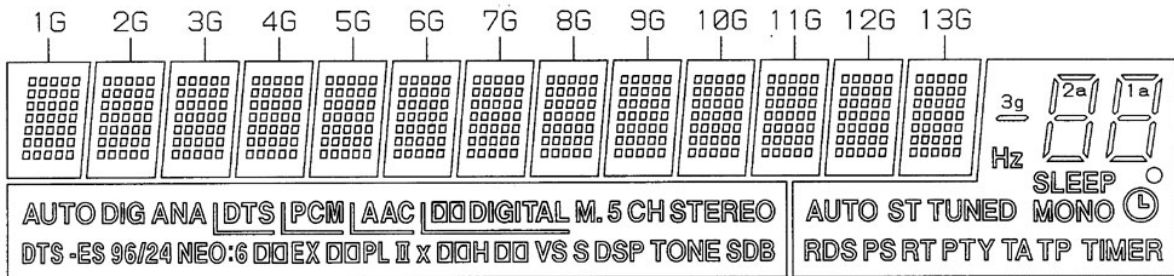
PIN CONNECTION

PIN NO.	98	88	88	88	88	88	88	88	87	77	77	77	77	77	76	66	66	66	66	66	66	65	55	55	55	55	55	54	44	44	44												
CONNECTION	F	F	N	N	1	2	2	2	2	2	1	1	1	1	I	N	N	N	N	N	1	1	1	P	P	P	P	P	3	4	5	N	N	F	F								
	1	1	P	P	9	0	1	2	3	7	6	5	4	8	7	6	5	4	C	X	X	X	X	3	2	1	0	9	8	7	6	5	4	3	2	1	G	G	G	P	P	2	2

PIN NO.	1	2	3	4	5	6	7	8	9	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	4	4	4	4	4
CONNECTION	F	F	N	N	N	N	N	N	N	N	N	3	3	2	2	3	3	3	N	N	N	N	N	1	2	3	4	5	6	7	N	2	1	0	9	8	I	N	N	F	F	
	1	1	P	C	C	C	C	C	C	C	2	1	0	9	8	3	4	5	X	X	X	X	X	G	G	G	G	G	G	G	G	G	G	G	C	C	P	P	2	2		

- NOTE
- 1) F1, F2 --- Filament
 - 2) NP ----- No pin
 - 3) NC ----- No connection
(NC pin should be electrically open on the PC board)
 - 4) NX ----- No extend pin
 - 5) DL ----- Datum Line
 - 6) 1G~13G --- Grid
 - IC ----- Internal connection
 - 7) (IC pin should be electrically open on the PC board)
 - 8) 視野角は、上側28°下側28°MINとする。
 - 9) Solder composition is Sn-3Ag-0.5Cu.

GRID ASSINMENT



15-ST-43GN
GRID ASSIGNMENT

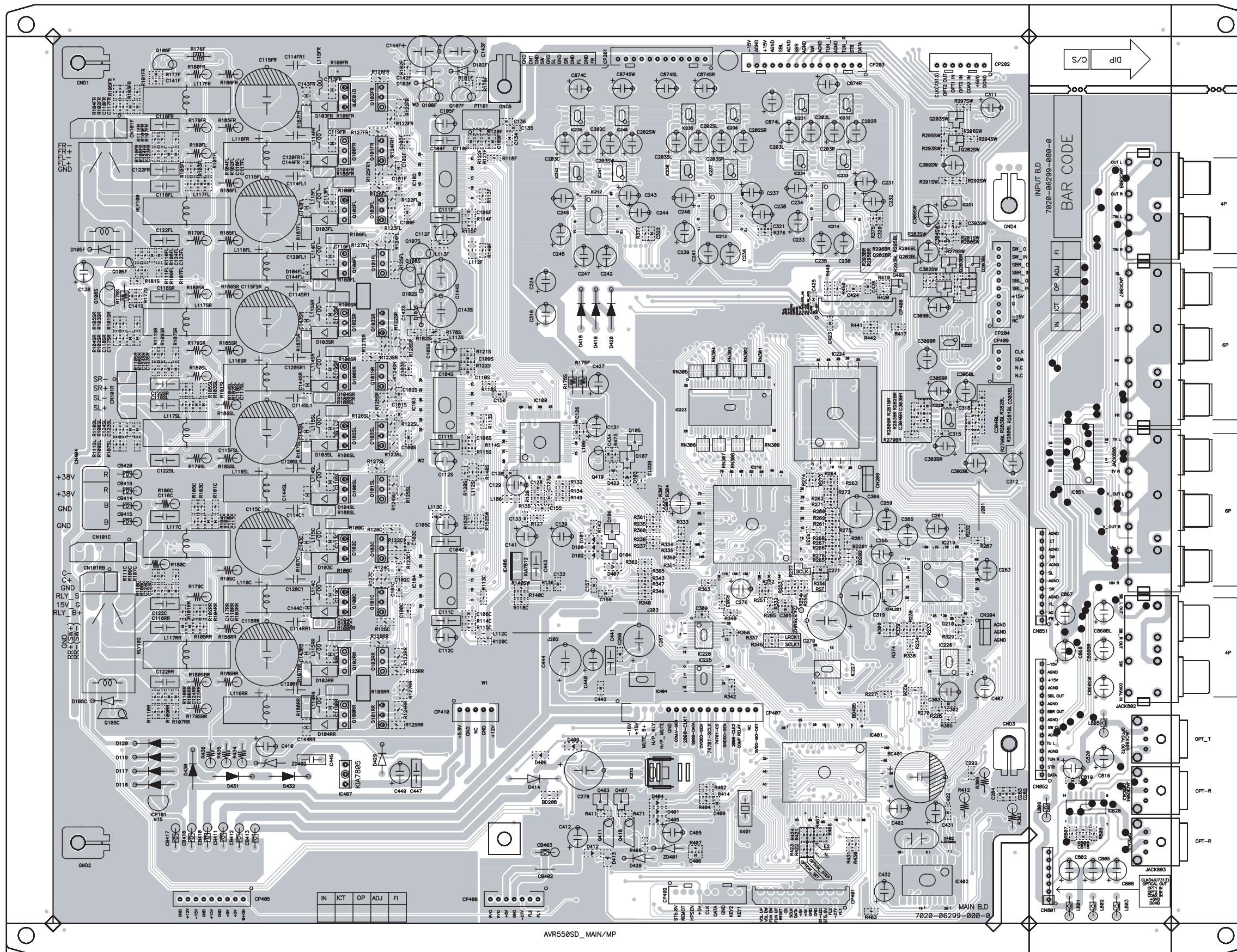
ANODE CONNECTION

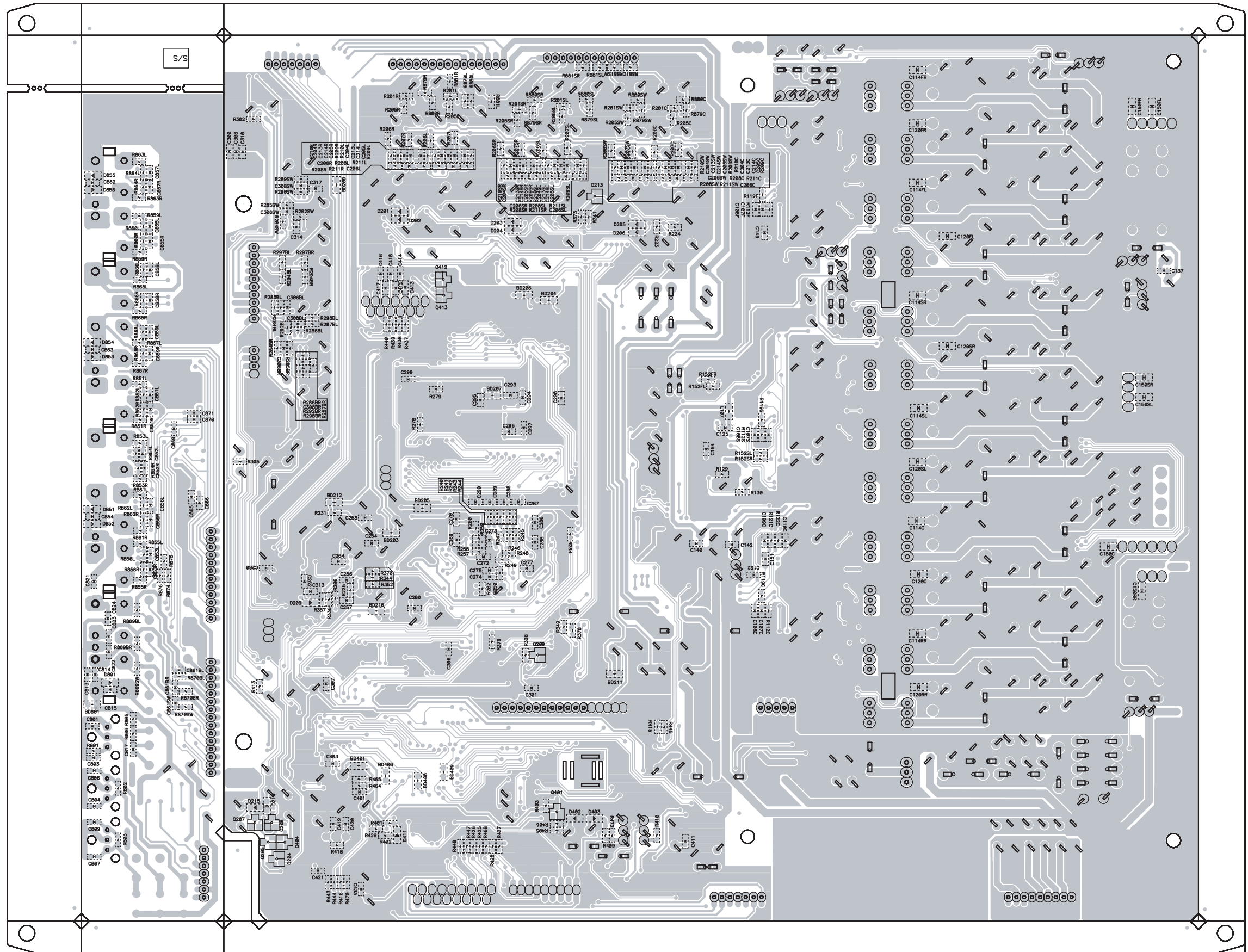
	1G~13G	14G	15G
P1	1-1	DTS (下)	1a
P2	2-1	-ES	1b
P3	3-1	96/24	1c
P4	4-1	NEO:6	1d
P5	5-1	DD EX	1e
P6	1-2	DD PL	1f
P7	2-2	II	1g
P8	3-2	X	2a
P9	4-2	DD H	2b
P10	5-2	DD	2c
P11	1-3	VS	2d
P12	2-3	S	2e
P13	3-3	DSP	2f
P14	4-3	TONE	2g
P15	5-3	SDB	3g
P16	1-4	STEREO	o
P17	2-4	CH	ⓐ
P18	3-4	5	SLEEP
P19	4-4	M.	MONO
P20	5-4	S4	Hz
P21	1-5	DD DIGITAL	TIMER
P22	2-5	S3	TP
P23	3-5	AAC	TA
P24	4-5	S2	PTY
P25	5-5	PCM	RT
P26	1-6	S1	PS
P27	2-6	DTS (上)	RDS
P28	3-6	ANA	TUNED
P29	4-6	DIG	ST
P30	5-6	AUTO	AUTO
P31	1-7	-	-
P32	2-7	-	-
P33	3-7	-	-
P34	4-7	-	-
P35	5-7	-	-

15-ST-43GN
ANODE CONNECTION

PRINTED WIRING BOARDS

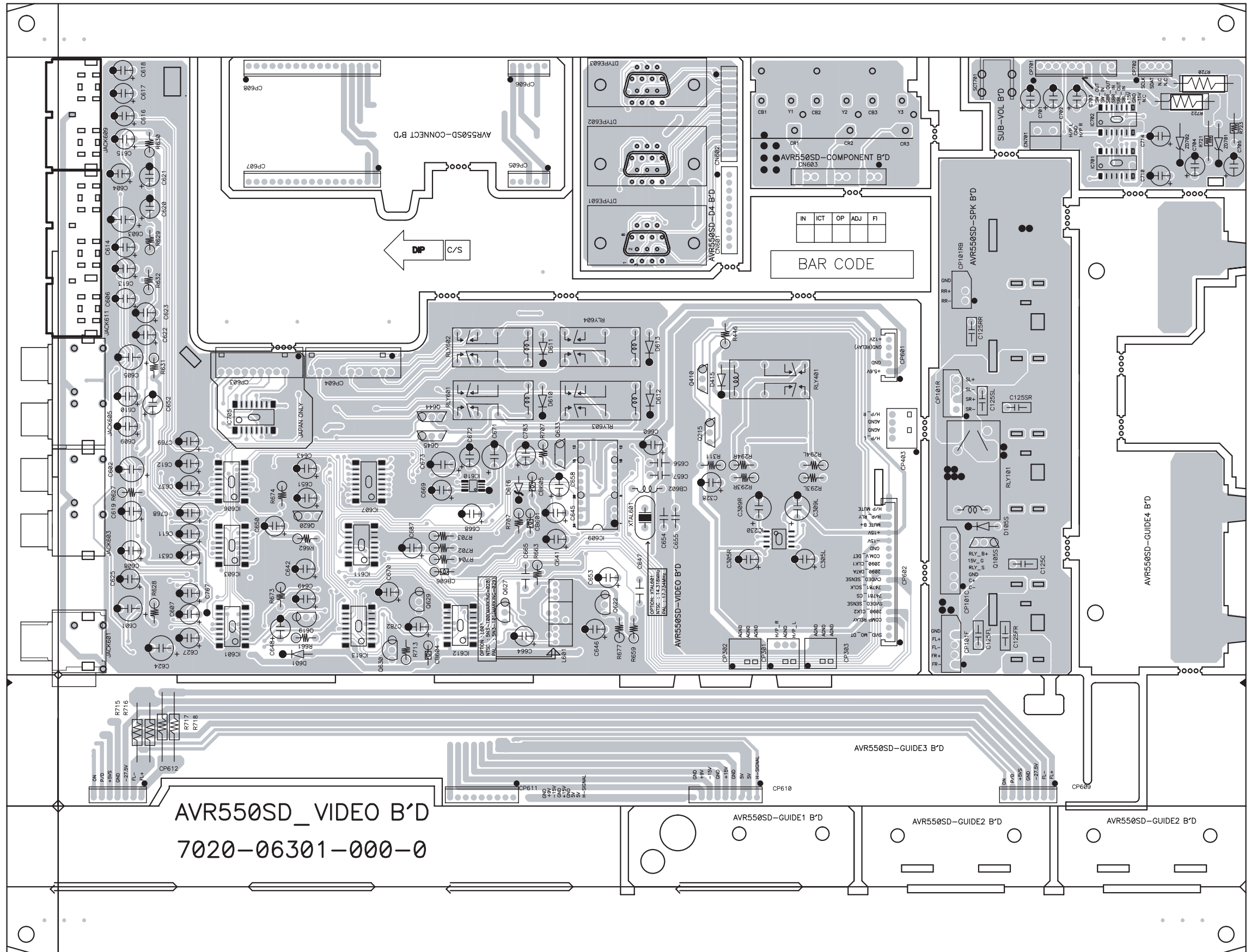
MAIN P.W.B. UNIT

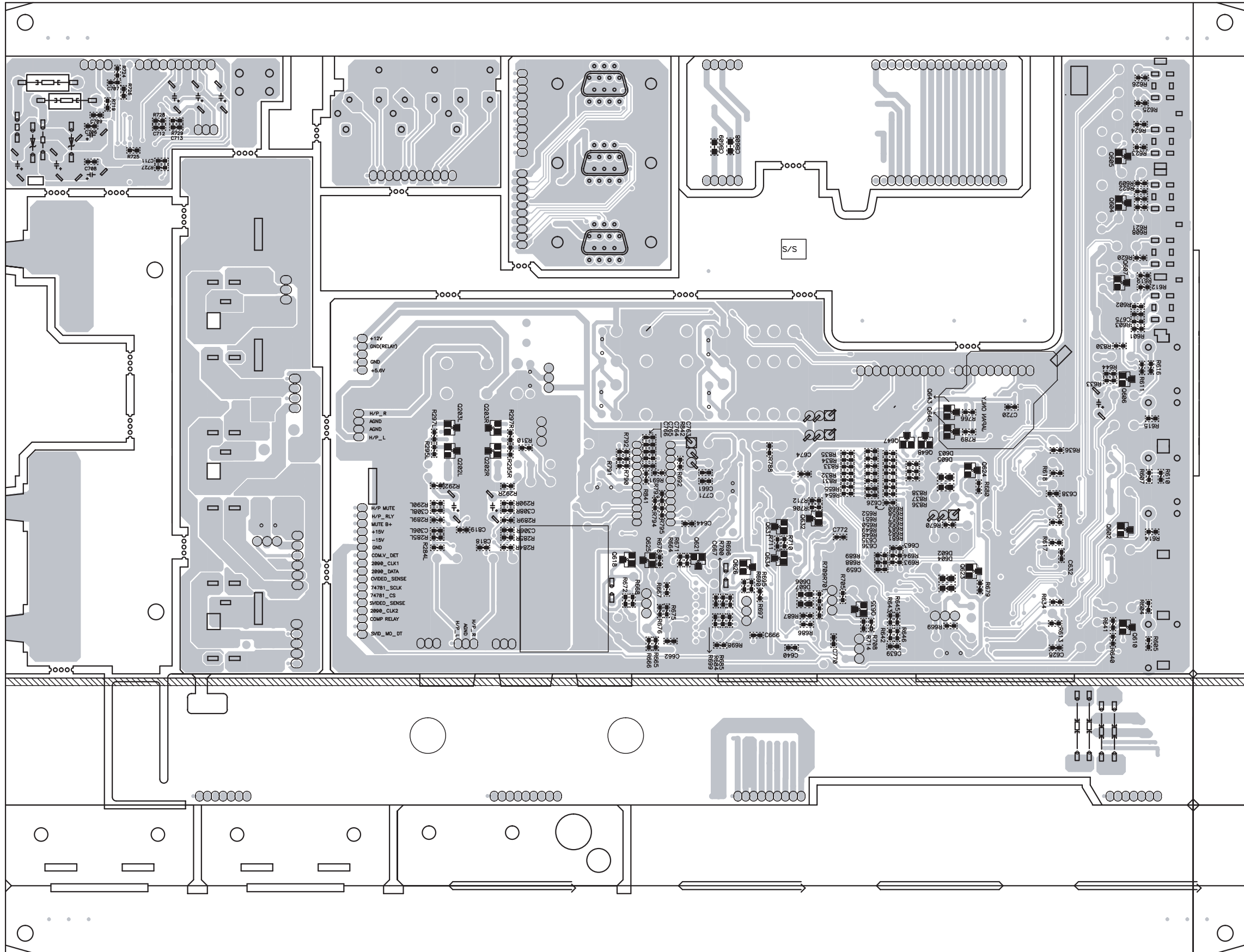




FOIL SIDE

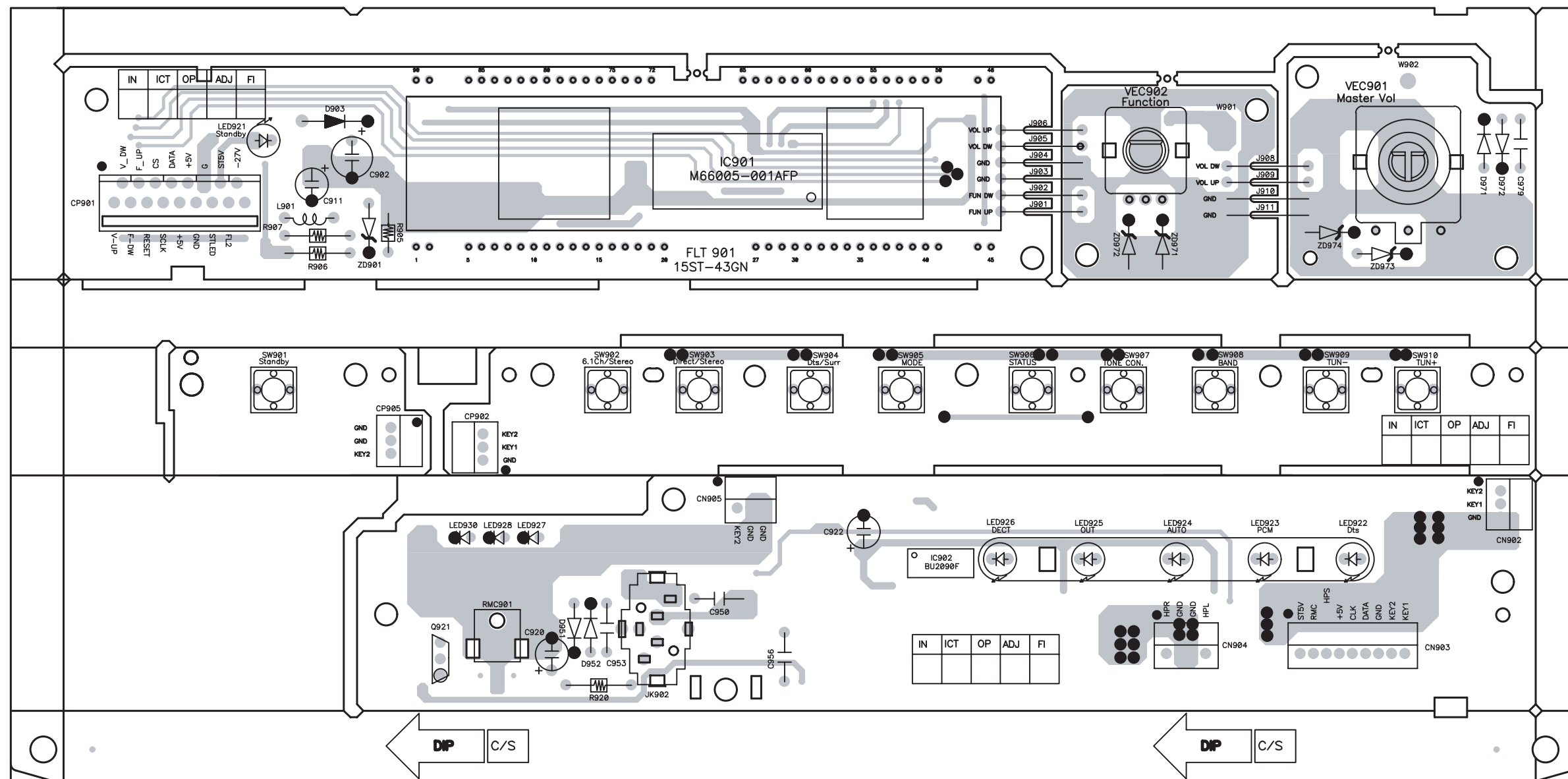
VIDEO P.W.B. UNIT



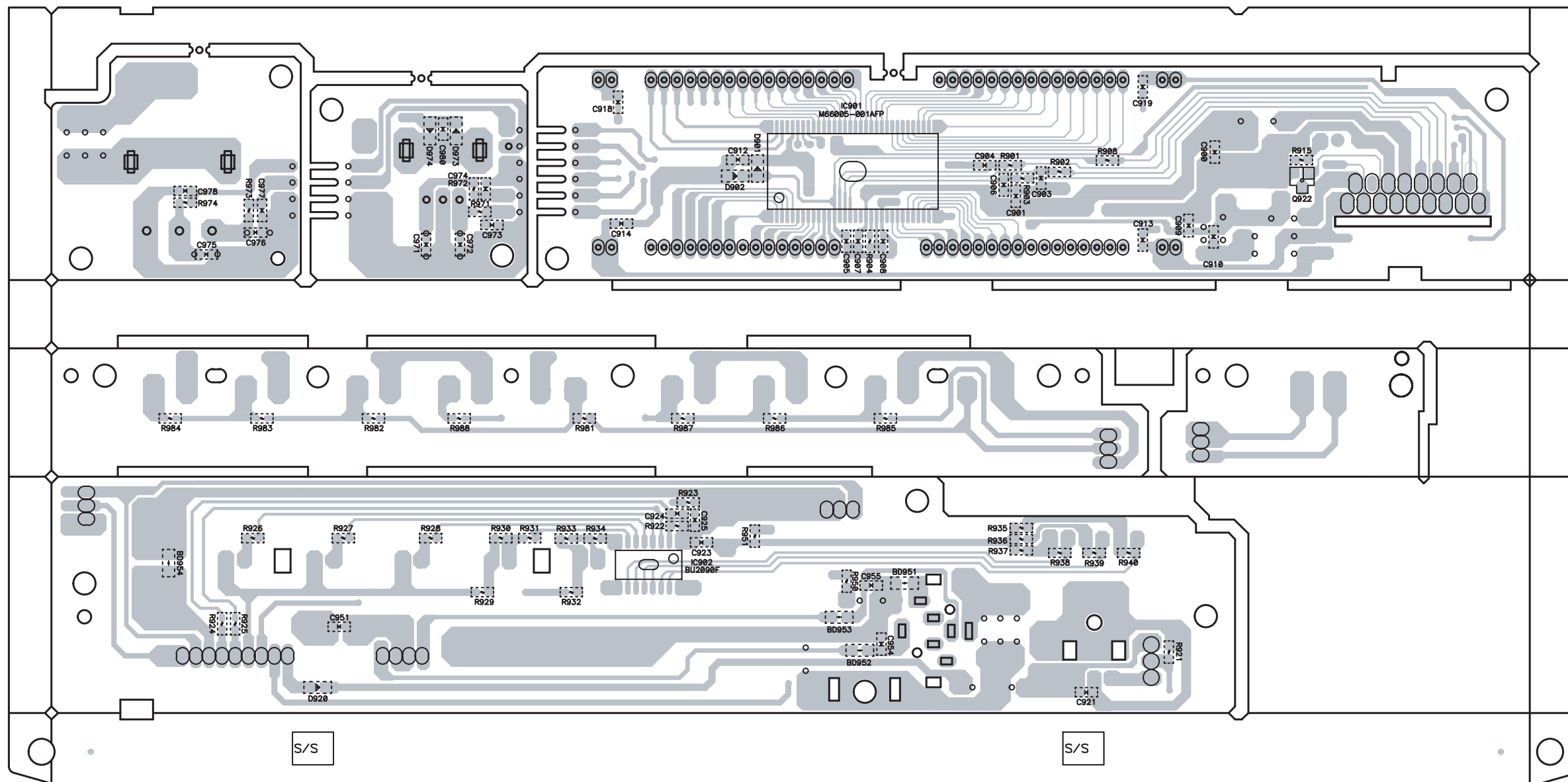


FOIL SIDE

FRONT P.W.B. UNIT

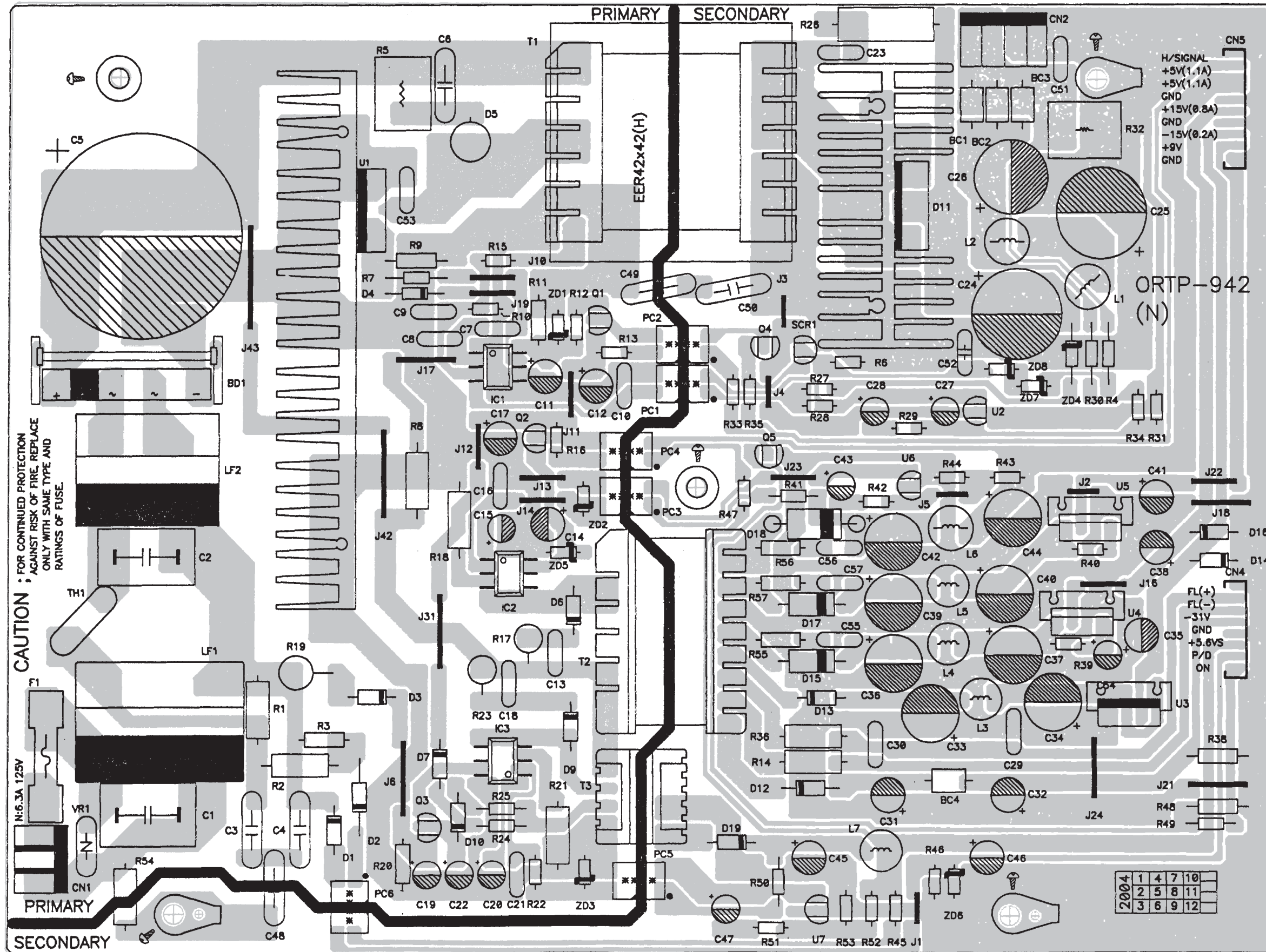


COMPONENT SIDE



FOIL SIDE

SMPS P.W.B. UNIT



AVR-550SD

NOTE FOR PARTS LIST

- Part indicated with the mark "◎" 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 Resister ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)
- Not including Carbon Chip Resister 1/16W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

WARNING:

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

部品表について

- 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“1”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。
- Δ 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。

● 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

● 抵抗器

例) 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 : 耐バルス形 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

● 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 charge 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.

● コンデンサ

例) 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%	C : ±0.25pF D : ±0.5pF = : その他	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
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* 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。

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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

NOTE:The symbols in the coloumn "Remarks"indicate the following destinations.

E2:Europe model JP:japan model

MAIN P.W.B. UNIT ASS'Y

Ref.No.	Part No.	Part Name	Remarks	New
SEMICONDUCTORS GROUP				
	IC100	IC TAS5076	J080 50760 001 0	
	IC102	IC TAS5182	J100 51820 002 0	
	IC103	IC TAS5182	J100 51820 002 0	
	IC104	IC TAS5182	J100 51820 002 0	
	IC212	IC PCM1804DB	J080 18040 001 0	
	IC213	IC PCM1804DB	J080 18040 001 0	
	IC214	IC PCM1804DB	J080 18040 001 0	
	IC215	IC RC1117-2.5	J126 11172 502 0	
	IC216	IC CS49400	J080 49400 001 0	
	IC219	IC AK4588	J080 45880 001 0	
	IC220	IC NJM2068M	J121 20680 002 0	
	IC221	IC NJM2068M	J121 20680 002 0	
	IC222	IC NJM2068M	J121 20680 002 0	
	IC223	IC IS42S16100	J001 42161 001 0	
	IC224	IC M29W800DB	J005 29800 006 0	
	IC225	IC MM74LCX244	J040 74244 018 0	
	IC226	IC MM74LCX244	J040 74244 019 0	
	IC227	IC MM74LCX244	J040 74244 018 0	
	IC228	IC MM74LCX244	J040 74244 018 0	
	IC231	IC NJM2068M	J121 20680 002 0	
	IC232	IC NJM2068M	J121 20680 002 0	
	IC233	IC NJM2068M	J121 20680 002 0	
	IC234	IC NJM2068M	J121 20680 002 0	
	IC235	IC NJM2068M	J121 20680 002 0	
	IC236	IC NJM2068M	J121 20680 002 0	
	IC237	IC NJM2068M	J121 20680 002 0	
	IC238	IC NJM2068M	J121 20680 002 0	
	IC239	IC NJM2068M	J121 20680 002 0	
	IC240	IC NJM2068M	J121 20680 002 0	
	IC241	IC NJM2068M	J121 20680 002 0	
	IC242	IC NJM2068M	J121 20680 002 0	
	IC401	IC CXP7400P10Q-1	J020 74001 010 0	
	IC402	TDA7330	J080 73300 001 0	
	IC404	IC RC1117-3.3	J126 11173 302 0	
	IC406	IC KIA7812API	J126 78120 004 0	
	IC407	IC KIA7805API	J126 78050 011 0	
	IC828	IC 74VHCU04	J040 74040 026 0	
	IC851	IC NJU7313AM	J040 73130 003 0	
	ICP101	IC ICP-N15	J120 00150 003 0	
	D100	R 0-J,1/16W	C200 00006 M16 0	
	D101	R 0-J,1/16W	C200 00006 M16 0	
	D102	R 0-J,1/16W	C200 00006 M16 0	
	D102F	D,SWITCHING 1SS133T	K000 01330 052 0	
	D102S	D,SWITCHING 1SS133T	K000 01330 052 0	
	D103C	D,SCHOTTKY SMAB36	K120 36000 001 0	
	D103F	D,SWITCHING 1SS133T	K000 01330 052 0	
	D103FL	D,SCHOTTKY SMAB36	K120 36000 001 0	
	D103FR	D,SCHOTTKY SMAB36	K120 36000 001 0	
	D103RR	D,SCHOTTKY SMAB36	K120 36000 001 0	
	D103S	D,SWITCHING 1SS133T	K000 01330 052 0	
	D103SL	D,SCHOTTKY SMAB36	K120 36000 001 0	

	Ref.No.	Part No.	Part Name	Remarks	New
	D103SR D104C D104FL		D,SCHOTTKY SMAB36 D,SCHOTTKY SMAB36 D,SCHOTTKY SMAB36	K120 36000 001 0 K120 36000 001 0 K120 36000 001 0	
	D104FR D104RR D104SL D104SR D105C		D,SCHOTTKY SMAB36 D,SCHOTTKY SMAB36 D,SCHOTTKY SMAB36 D,SCHOTTKY SMAB36 D,SWITCHING 1SS133T	K120 36000 001 0 K120 36000 001 0 K120 36000 001 0 K120 36000 001 0 K000 01330 052 0	
	D105F D117 D118 D119 D120		D,SWITCHING 1SS133T D,SWITCHING IN4007 D,SWITCHING IN4007 D,SWITCHING IN4007 D,SWITCHING IN4007	K000 01330 052 0 K000 40070 052 0 K000 40070 052 0 K000 40070 052 0 K000 40070 052 0	
	D201 D202 D203 D204 D205		D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF)	K005 01600 001 0 K005 01600 001 0 K005 01600 001 0 K005 01600 001 0 K005 01600 001 0	
	D206 D209 D210 D214 D215		D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF)	K005 01600 001 0 K005 01600 001 0 K005 01600 001 0 K005 01600 001 0 K005 01600 001 0	
	D401 D402 D403 D404 D405		D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF)	K005 01600 001 0 K005 01600 001 0 K005 01600 001 0 K005 01600 001 0 K005 01600 001 0	
	D406 D407 D409 D411 D412		D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF)	K005 01600 001 0 K005 01600 001 0 K005 01600 001 0 K005 01600 001 0 K005 01600 001 0	
	D413 D414 D418 D419 D420		D,SWITCHING KDS160(UF) D,SWITCHING 1SS133T D,SWITCHING IN4007 D,SWITCHING IN4007 D,SWITCHING IN4007	K005 01600 001 0 K000 01330 052 0 K000 40070 052 0 K000 40070 052 0 K000 40070 052 0	
	D422 D428 D429 D430 D431		D,SWITCHING KDS160(UF) 1SS133T D,SWITCHING 1SS133T CN,WIRE 1P JUMPER CN,WIRE 1P JUMPER	K005 01600 001 0 K000 01330 052 0 K000 01330 052 0 L045 08400 604 0 L045 08400 604 0	
	D432 D801 D851 D852 D853		CN,WIRE 1P JUMPER D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF)	L045 08400 604 0 K005 01600 001 0 K005 01600 001 0 K005 01600 001 0 K005 01600 001 0	
	D854 D855 D856 Q100C Q100FL		D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF) D,SWITCHING KDS160(UF) SEMI IRFZ24N SEMI IRFZ24N	K005 01600 001 0 K005 01600 001 0 K005 01600 001 0 J540 2400R 000 0 J540 2400R 000 0	
	Q100FR Q100RR Q100SL		SEMI IRFZ24N SEMI IRFZ24N SEMI IRFZ24N	J540 2400R 000 0 J540 2400R 000 0 J540 2400R 000 0	

Ref.No.	Part No.	Part Name	Remarks	New
Q100SR Q101C		SEMI IRFZ24N SEMI IRFZ24N	J540 2400R 000 0 J540 2400R 000 0	
Q101FL Q101FR Q101RR Q101SL Q101SR		SEMI IRFZ24N SEMI IRFZ24N SEMI IRFZ24N SEMI IRFZ24N SEMI IRFZ24N	J540 2400R 000 0 J540 2400R 000 0 J540 2400R 000 0 J540 2400R 000 0 J540 2400R 000 0	
Q102C Q102FL Q102FR Q102RR Q102SL		SEMI IRFZ24N SEMI IRFZ24N SEMI IRFZ24N SEMI IRFZ24N SEMI IRFZ24N	J540 2400R 000 0 J540 2400R 000 0 J540 2400R 000 0 J540 2400R 000 0 J540 2400R 000 0	
Q102SR Q103C Q103FL Q103FR Q103RR		SEMI IRFZ24N SEMI IRFZ24N SEMI IRFZ24N SEMI IRFZ24N SEMI IRFZ24N	J540 2400R 000 0 J540 2400R 000 0 J540 2400R 000 0 J540 2400R 000 0 J540 2400R 000 0	
Q103SL Q103SR Q104 Q105C Q105F		SEMI IRFZ24N SEMI IRFZ24N SEMI KRA102S(PB) SEMI KRC107M SEMI KRC107M	J540 2400R 000 0 J540 2400R 000 0 J520 01020 021 0 J602 0107M 001 0 J602 0107M 001 0	
Q106 Q106F Q106S Q107F Q107S		SEMI KTC2875B(MB) SEMI KTA1266Y SEMI KTA1266Y SEMI KTC3198Y SEMI KTC3198Y	J522 2875B 001 0 J500 1266Y 005 0 J500 1266Y 005 0 J502 3198Y 000 0 J502 3198Y 000 0	
Q108F Q108S Q202BL Q202BR Q202SW		SEMI KSA916Y SEMI KSA916Y SEMI KTC2875B(MB) SEMI KTC2875B(MB) SEMI KTC2875B(MB)	J500 0916Y 005 0 J500 0916Y 005 0 J522 2875B 001 0 J522 2875B 001 0 J522 2875B 001 0	
Q203BL Q203BR Q203SW Q204 Q205		SEMI KTC2875B(MB) SEMI KTC2875B(MB) SEMI KTC2875B(MB) SEMI KRC102S (NB) SEMI KRC102S (NB)	J522 2875B 001 0 J522 2875B 001 0 J522 2875B 001 0 J522 01020 021 0 J520 01020 021 0	
Q207 Q208 Q209 Q213 Q401		SEMI KRC102S (NB) SEMI KRC102S (NB) SEMI KRC102S (NB) SEMI KRC102S (NB) SEMI KRC102S (NB)	J520 01020 021 0 J520 01020 021 0 J522 01020 021 0 J522 01020 021 0 J522 03875 021 0	
Q402 Q403 Q404 Q407 Q411		KTC3875S SEMI KRC107S SEMI KRA102S(PB) KRC107S SEMI 2SA933S	J522 -0387 5-0 2 J502 0107S 005 0 J520 01020 021 0 J502 -0107 S-0 0 J500 0933S 005 0	
Q412 Q413 Q418 Q419		SEMI KTC2875B(MB) SEMI KTC2875B(MB) 2SA933S SEMI KTC3198Y	J522 2875B 001 0 J522 2875B 001 0 J500 -0933 S-0 0 J502 3198Y 000 0	
RESISTORS GROUP				
R175F R175S R176F R176S		FILM 100K-J,1/5W FILM 100K-J,1/5W FILM 47K-J,1/5W FILM 47K-J,1/5W	C000 01046 P52 0 C000 01046 P52 0 C000 04736 P52 0 C000 04736 P52 0	

Ref.No.	Part No.	Part Name	Remarks	New
R179C		METAL 10K-J,1/4W	C060 10306 305 0	
R179FL		METAL 10K-J,1/4W	C060 10306 305 0	
R179FR		METAL 10K-J,1/4W	C060 10306 305 0	
R179SBR		METAL 10K-J,1/4W	C060 10306 305 0	
R179SL		METAL 10K-J,1/4W	C060 10306 305 0	
R179SR		METAL 10K-J,1/4W	C060 10306 305 0	
R180C		METAL 10K-J,1/4W	C060 10306 305 0	
R180FL		METAL 10K-J,1/4W	C060 10306 305 0	
R180FR		METAL 10K-J,1/4W	C060 10306 305 0	
R180SBR		METAL 10K-J,1/4W	C060 10306 305 0	
R180SL		METAL 10K-J,1/4W	C060 10306 305 0	
R180SR		METAL 10K-J,1/4W	C060 10306 305 0	
R185C		METAL 4.7K-J,1/4W	C060 04726 305 0	
R185FL		METAL 4.7K-J,1/4W	C060 04726 305 0	
R185FR		METAL 4.7K-J,1/4W	C060 04726 305 0	
R185RR		METAL 4.7K-J,1/4W	C060 04726 305 0	
R185SL		METAL 4.7K-J,1/4W	C060 04726 305 0	
R185SR		METAL 4.7K-J,1/4W	C060 04726 305 0	
R186C		METAL 4.7K-J,1/4W	C060 04726 305 0	
R186FL		METAL 4.7K-J,1/4W	C060 04726 305 0	
R186FR		METAL 4.7K-J,1/4W	C060 04726 305 0	
R186RR		METAL 4.7K-J,1/4W	C060 04726 305 0	
R186SL		METAL 4.7K-J,1/4W	C060 04726 305 0	
R186SR		METAL 4.7K-J,1/4W	C060 04726 305 0	
R303		METAL 1K-J,1/4W	C060 01026 305 0	
R306		METAL 1K-J,1/4W	C060 01026 305 0	
R412		METAL 1K-J,1/4W	C060 01026 305 0	
R416		1K	C200 01026 M16 0	For E2
R417		4K7	C200 04726 M16 0	For E2
R418		2M2	C200 02256 M16 0	For E2
R419		470K	C200 04746 M16 0	For E2
R420		470	C200 04716 M16 0	For E2
R421		15K	C200 01536 M16 0	For E2
R422		15K	C200 01536 M16 0	For JP
R434		METAL 1.2K-J,1W	C060 01226 505 0	
R435		METAL 1.2K-J,1W	C060 01226 505 0	
R436		METAL 1.2K-J,1W	C060 01226 505 0	
R443		10K	C200 01036 M16 0	For E2
R444		1K	C200 01026 M16 0	For E2
R472		1K	C200 01026 M16 0	For E2
R470		10K	C200 01036 M16 0	For E2
CAPACITORS GROUP				
C100C		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
C100F		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
C100S		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
C101C		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
C101F		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
C101S		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
C102C		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
C102F		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
C102S		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
C103C		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
C103F		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
C103S		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
C104C		CERAMIC 0.1UF-Z/50V	D006 10459 705 0	
C104F		CERAMIC 0.1UF-Z/50V	D006 10459 705 0	

	Ref.No.	Part No.	Part Name	Remarks	New
	C104S		CERAMIC 0.1UF-Z/50V	D006 10459 705 0	
	C105C		ELECT 10UF-M/50V	D040 10008 705 0	
	C105F		ELECT 10UF-M/50V	D040 10008 705 0	
	C105S		ELECT 10UF-M/50V	D040 10008 705 0	
	C106C		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C106F		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C106S		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C107C		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C107F		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C107S		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C108C		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C108F		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C108S		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C109C		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C109F		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C109S		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C110C		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C110F		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C110S		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C111C		CERAMIC 0.1UF-Z/50V	D006 10459 705 0	
	C111F		CERAMIC 0.1UF-Z/50V	D006 10459 705 0	
	C111S		CERAMIC 0.1UF-Z/50V	D006 10459 705 0	
	C112C		ELECT 10UF-M/50V	D040 10008 705 0	
	C112F		ELECT 10UF-M/50V	D040 10008 705 0	
	C112S		ELECT 10UF-M/50V	D040 10008 705 0	
	C113C		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C113FL		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C113FR		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C113RR		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C113SL		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C113SR		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C114C		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C114C1		CERAMIC 1000PF-Z/50V	D004 10206 706 0	
	C114FL		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C114FL1		CERAMIC 1000PF-Z/50V	D004 10206 706 0	
	C114FR		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C114FR1		CERAMIC 1000PF-Z/50V	D004 10206 706 0	
	C114RR		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C114RR1		CERAMIC 1000PF-Z/50V	D004 10206 706 0	
	C114SL		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C114SL1		CERAMIC F1000PF-Z/50V-5RE	D004 10206 706 0	
	C114SR		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C114SR1		CERAMIC 1000PF-Z/50V	D004 10206 706 0	
	C115C		ELECT 1000UF-LXV/50V	D041 10203 700 0	
	C115FL		ELECT 1000UF-LXV/50V	D041 10203 700 0	
	C115FR		ELECT 1000UF-LXV/50V	D041 10203 700 0	
	C115FSL		ELECT 1000UF-LXV/50V	D041 10203 700 0	
	C115FSR		ELECT 1000UF-LXV/50V	D041 10203 700 0	
	C115RR		ELECT 1000UF-LXV/50V	D041 10203 700 0	
	C116C		FILM 1UF-J/63V	D020 10006 805 0	
	C116FL		FILM 1UF-J/63V	D020 10006 805 0	
	C116FR		FILM 1UF-J/63V	D020 10006 805 0	
	C116RR		FILM 1UF-J/63V	D020 10006 805 0	
	C116SL		FILM 1UF-J/63V	D020 10006 805 0	
	C116SR		FILM 1UF-J/63V	D020 10006 805 0	
	C117C		CERAMIC 0.1UF-K/50V	D011 10457 716 0	

	Ref.No.	Part No.	Part Name	Remarks	New
	C117FL		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C117FR		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C117RR		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C117SL		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C117SR		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C118C		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
	C118FL		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
	C118FR		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
	C118RR		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
	C118SL		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
	C118SR		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
	C119C		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C119FL		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C119FR		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C119RR		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C119SL		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C119SR		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C120C		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C120C1		CERAMIC 1000PF-Z/50V	D004 10206 706 0	
	C120FL		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C120FL1		CERAMIC 1000PF-Z/50V	D004 10206 706 0	
	C120FR		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C120FR1		CERAMIC 1000PF-Z/50V	D004 10206 706 0	
	C120RR		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C120RR1		CERAMIC 1000PF-Z/50V	D004 10206 706 0	
	C120SL		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C120SL1		CERAMIC 1000PF-Z/50V	D004 10206 706 0	
	C120SR		CERAMIC 0.01UF-K/200V	D011 10317 G20 0	
	C120SR1		CERAMIC F1000PF-Z/50V-5RE	D004 10206 706 0	
	C122C		FILM 1UF-J/63V	D020 10006 805 0	
	C122FL		FILM 1UF-J/63V	D020 10006 805 0	
	C122FR		FILM 1UF-J/63V	D020 10006 805 0	
	C122RR		FILM 1UF-J/63V	D020 10006 805 0	
	C122SL		FILM 1UF-J/63V	D020 10006 805 0	
	C122SR		FILM 1UF-J/63V	D020 10006 805 0	
	C123C		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C123FL		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C123FR		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C123RR		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C123SL		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C123SR		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C124C		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
	C124FL		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
	C124FR		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
	C124RR		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
	C124SL		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
	C124SR		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
	C125		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C126		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C127		CERAMIC 0.22UF-Z/16V	D011 22459 316 0	
	C128		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
	C129		ELECT 470UF-LXV/10V	D041 47103 205 0	
	C130		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C131		ELECT 10UF-M/50V	D040 10008 705 0	
	C133		CERAMIC 47PF-J/50V	D010 47016 716 0	
	C137		CERAMIC 0.1UF-K/50V	D011 10457 716 0	

	Ref.No.	Part No.	Part Name	Remarks	New
	C138		ELECT 10UF-M/50V	D040 10008 705 0	
	C139		ELECT 100UF-M/16V	D040 10108 310 0	
	C140		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C141		ELECT 100UF-M/16V	D040 10108 310 0	
	C141F		CERAMIC 1000PF-K/50V	D011 10277 716 0	
	C141S		CERAMIC 1000PF-K/50V	D011 10277 716 0	
	C142		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C142F		CERAMIC 0.001UF-K/50V	D005 10217 753 0	
	C142S		CERAMIC 0.001UF-K/50V	D005 10217 753 0	
	C143C		CERAMIC 0.1UF-K/50V	D011 10477 720 0	
	C143F		ELECT 220UF-M/6.3V	D040 22108 105 0	
	C143FL		CERAMIC 0.1UF-K/50V	D011 10477 720 0	
	C143FR		CERAMIC 0.1UF-K/50V	D011 10477 720 0	
	C143RR		CERAMIC 0.1UF-K/50V	D011 10477 720 0	
	C143S		ELECT 220UF-M/6.3V	D040 22108 105 0	
	C143SL		CERAMIC 0.1UF-K/50V	D011 10477 720 0	
	C143SR		CERAMIC 0.1UF-K/50V	D011 10477 720 0	
	C144C		CERAMIC 0.1UF-K/50V	D011 10477 720 0	
	C144F		ELECT 220UF-M/6.3V	D040 22108 105 0	
	C144FL		CERAMIC 0.1UF-K/50V	D011 10477 720 0	
	C144FR		CERAMIC 0.1UF-K/50V	D011 10477 720 0	
	C144RR		CERAMIC 0.1UF-K/50V	D011 10477 720 0	
	C144S		ELECT 220UF-M/6.3V	D040 22108 105 0	
	C144SL		CERAMIC 0.1UF-K/50V	D011 10477 720 0	
	C144SR		CERAMIC 0.1UF-K/50V	D011 10477 720 0	
	C150C		CERAMIC 0.1UF-K/50V	D011 10277 720 0	
	C150FL		CERAMIC 0.1UF-K/50V	D011 10277 720 0	
	C150FR		CERAMIC 0.1UF-K/50V	D011 10277 720 0	
	C150RR		CERAMIC 0.1UF-K/50V	D011 10277 720 0	
	C150SL		CERAMIC 0.1UF-K/50V	D011 10277 720 0	
	C150SR		CERAMIC 0.1UF-K/50V	D011 10277 720 0	
	C154		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C155		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C156		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C157		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C202C		ELECT 22UF-M/16V	D040 22008 306 0	
	C202L		ELECT 22UF-M/16V	D040 22008 306 0	
	C202R		ELECT 22UF-M/16V	D040 22008 306 0	
	C202SL		ELECT 22UF-M/16V	D040 22008 306 0	
	C202SR		ELECT 22UF-M/16V	D040 22008 306 0	
	C202SW		ELECT 22UF-M/16V	D040 22008 306 0	
	C203C		ELECT 22UF-M/16V	D040 22008 306 0	
	C203L		ELECT 22UF-M/16V	D040 22008 306 0	
	C203R		ELECT 22UF-M/16V	D040 22008 306 0	
	C203SL		ELECT 22UF-M/16V	D040 22008 306 0	
	C203SR		ELECT 22UF-M/16V	D040 22008 306 0	
	C203SW		ELECT 22UF-M/16V	D040 22008 306 0	
	C204C		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C204L		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C204R		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C204SL		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C204SR		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C204SW		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C205C		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C205L		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C205R		CERAMIC 100PF-J/50V	D010 10116 716 0	

	Ref.No.	Part No.	Part Name	Remarks	New
	C205SL		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C205SR		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C205SW		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C206C		CERAMIC 2200PF-K/50V	D011 22277 716 0	
	C206L		CERAMIC 2200PF-K/50V	D011 22277 716 0	
	C206R		CERAMIC 2200PF-K/50V	D011 22277 716 0	
	C206SL		CERAMIC 2200PF-K/50V	D011 22277 716 0	
	C206SR		CERAMIC 2200PF-K/50V	D011 22277 716 0	
	C206SW		CERAMIC 2200PF-K/50V	D011 22277 716 0	
	C213C		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C213L		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C213R		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C213SL		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C213SR		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C213SW		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C214C		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C214L		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C214R		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C214SL		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C214SR		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C214SW		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C230		ELECT 10UF-M/35V	D040 10008 507 0	
	C231		ELECT 0.1UF-M/50V	D040 R1008 706 0	
	C232		ELECT 0.1UF-M/50V	D040 R1008 706 0	
	C233		ELECT 0.1UF-M/50V	D040 R1008 706 0	
	C234		ELECT 0.1UF-M/50V	D040 R1008 706 0	
	C235		ELECT 10UF-M/35V	D040 10008 507 0	
	C236		ELECT 10UF-M/35V	D040 10008 507 0	
	C237		ELECT 0.1UF-M/50V	D040 R1008 706 0	
	C238		ELECT 0.1UF-M/50V	D040 R1008 706 0	
	C239		ELECT 0.1UF-M/50V	D040 R1008 706 0	
	C240		ELECT 0.1UF-M/50V	D040 R1008 706 0	
	C241		ELECT 10UF-M/35V	D040 10008 507 0	
	C242		ELECT 10UF-M/35V	D040 10008 507 0	
	C243		ELECT 0.1UF-M/50V	D040 R1008 706 0	
	C244		ELECT 0.1UF-M/50V	D040 R1008 706 0	
	C245		ELECT 0.1UF-M/50V	D040 R1008 706 0	
	C246		ELECT 0.1UF-M/50V	D040 R1008 706 0	
	C247		ELECT 10UF-M/35V	D040 10008 507 0	
	C254		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C255		ELECT 100UF-M/16V	D040 10108 310 0	
	C256		CERAMIC 15PF-J/50V	D010 15016 716 0	
	C257		CERAMIC 15PF-J/50V	D010 15016 716 0	
	C258		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C259		ELECT 10UF-M/50V	D040 10008 705 0	
	C260		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C261		ELECT 10UF-M/50V	D040 10008 705 0	
	C262		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C263		ELECT 10UF-M/35V,5*5-5RE.SY	D040 10008 507 0	
	C264		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C265		ELECT 10UF-M/50V,5*11-5RE	D040 10008 705 0	
	C267		ELECT 470UF-M/6.3V,10*12.5	D040 47108 123 0	
	C268		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C269		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C270		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C271		CERAMIC 0.1UF-K/50V	D011 10457 716 0	

Ref.No.	Part No.	Part Name	Remarks	New
C272		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C273		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C274		CERAMIC 1200PF-K/50V	D011 12277 716 0	
C275		CERAMIC 68PF-J/50V	D010 68016 716 0	
C276		ELECT 2.2UF-M/50V	D040 2R208 710 0	
C277		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C278		ELECT 2200UF-M/16V	D040 22208 302 0	
C279		ELECT 1000UF-M/6.3V	D040 10208 105 0	
C280		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C283		CERAMIC 330PF-J/50V	D010 33116 716 0	
C285		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C286		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C287		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C288		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C289		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C290		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C291		ELECT 1UF-M/50V	D040 01008 708 0	
C292		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C293		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C294		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C295		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C296		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C297		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C298		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C299		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C301		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C302		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C302BL		ELECT 10UF-M/50V	D040 10008 705 0	
C302BR		ELECT 10UF-M/50V	D040 10008 705 0	
C302SW		ELECT 10UF-M/50V	D040 10008 705 0	
C303		ELECT 1UF-M/50V	D040 01008 708 0	
C303BL		CERAMIC 680pF-J 50V	D010 68116 716 0	
C303BR		CERAMIC 680pF-J 50V	D010 68116 716 0	
C303SW		CERAMIC 680pF-J 50V	D010 68116 716 0	
C304		CERAMIC 470UF-M/6.3V	D040 47108 123 0	
C304BL		CERAMIC 560pF-J/50V	D010 56116 716 0	
C304BR		CERAMIC 560pF-J/50V	D010 56116 716 0	
C304SW		CERAMIC 560pF-J/50V	D010 56116 716 0	
C305		CERAMIC 100PF-J/50V	D010 10116 716 0	
C305BL		ELECT 10UF-M/50V	D040 10008 705 0	
C305BR		ELECT 10UF-M/50V	D040 10008 705 0	
C305SW		ELECT 10UF-M/35V	D040 10008 507 0	
C306		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C306BL		CERAMIC 3300PF-K/50V	D011 33277 716 0	
C306BR		CERAMIC 3300PF-K/50V	D011 33277 716 0	
C306SW		CERAMIC 3300PF-K/50V	D011 33277 716 0	
C307		CERAMIC 100PF-J/50V	D010 10116 716 0	
C308BL		CERAMIC 100PF-J/50V	D010 56016 716 0	
C308BR		CERAMIC 100PF-J/50V	D010 56016 716 0	
C308SW		CERAMIC 100PF-J/50V	D010 56016 716 0	
C309		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C309BL		ELECT 4.7UF-M/50V	D040 4R708 710 0	
C309BR		ELECT 4.7UF-M/50V	D040 4R708 710 0	
C309SW		ELECT 4.7UF-M/16V	D040 4R708 305 0	
C312		ELECT 0.1UF-M/50V	D040 R1008 707 0	
C313		CERAMIC 0.1UF-K/50V	D011 10457 716 0	

	Ref.No.	Part No.	Part Name	Remarks	New
	C314		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C315		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C316		ELECT 47UF-M/35V	D040 47008 506 0	
	C317		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C318		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C320		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C321		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C322		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C324		ELECT 47UF-M/35V	D040 47008 506 0	
	C401		CERAMIC 0.022UF-K/25V	D011 22377 716 0	
	C402		ELECT 100UF-M/10V	D040 10108 206 0	
	C403		CERAMIC 0.01UF-K/50V	D011 10377 716 0	
	C405		ELECT 4.7UF-M/50V	D040 4R708 710 0	
	C406		CERAMIC 0.01UF-K/50V	D011 10377 716 0	
	C407		ELECT 0.1UF-M/50V	D040 R1008 707 0	
	C409		CERAMIC 0.01UF-K/50V	D011 10377 716 0	
	C410		ELECT 10UF-M/50V	D040 10008 705 0	
	C411		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C412		ELECT 100UF-M/10V	D040 10108 206 0	
	C423		CERAMIC 220PF-J/50V	D010 22116 716 0	
	C424		CERAMIC 220PF-J/50V	D010 22116 716 0	
	C425		CERAMIC 220PF-J/50V	D010 22116 716 0	
	C427		ELECT 4.7UF-M/50V	D040 4R708 710 0	
	C434		CERAMIC 1000PF-K/50V	D011 10277 716 0	
	C440		ELECT 100UF-M/10V,5*11-5RE	D040 10108 206 0	
	C441		CERAMIC 0.01UF-K/50VE	D004 10327 705 0	
	C442		CERAMIC 0.01UF-K/50V	D011 10377 716 0	
	C443		CERAMIC 0.01UF-K/50V	D004 10327 705 0	
	C444		ELECT 470UF-M/6.3V	D040 47108 123 0	
	C445		CERAMIC 0.01UF-K/50V	D004 10327 705 0	
	C447		CERAMIC 0.01UF-K/50V	D004 10327 705 0	
	C449		ELECT 100UF-M/10V	D040 10108 206 0	
	C801		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C802		ELECT 47UF-M/16V	D040 47008 308 0	
	C803		CERAMIC 22PF-J/50V	D010 22016 716 0	
	C804		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C805		ELECT 47UF-M/16V	D040 47008 308 0	
	C806		CERAMIC 22PF-J/50V	D010 22016 716 0	
	C807		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C808		ELECT 47UF-M/16V	D040 47008 308 0	
	C809		CERAMIC 22PF-J/50V	D010 22016 716 0	
	C813		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C814		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C815		CERAMIC 22PF-J/50V	D010 22016 716 0	
	C816		ELECT 0.1UF-M/50V	D040 R1008 707 0	
	C817		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C818		CERAMIC 22PF-J/50V	D010 22016 716 0	
	C819		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C820		ELECT 47UF-M/16V	D040 47008 308 0	
	C821		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
	C822		CERAMIC 0.01UF-K/50V	D011 10377 716 0	
	C823		CERAMIC 0.01UF-K/50V	D011 10377 716 0	
	C824		CERAMIC 0.01UF-K/50V	D011 10377 716 0	
	C851L		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C851R		CERAMIC 100PF-J/50V	D010 10116 716 0	
	C852L		CERAMIC 100PF-J/50V	D010 10116 716 0	

Ref.No.	Part No.	Part Name	Remarks	New
C852R C853L C853R C854		CERAMIC 100PF-J/50V CERAMIC 100PF-J/50V CERAMIC 100PF-J/50V CERAMIC 1000PF-K/50V	D010 10116 716 0 D010 10116 716 0 D010 10116 716 0 D011 10277 716 0	
C855L C855R C856L C856R C857L		CERAMIC 100PF-J/50V CERAMIC 100PF-J/50V CERAMIC 100PF-J/50V CERAMIC 100PF-J/50V CERAMIC 100PF-J/50V	D010 10116 716 0 D010 10116 716 0 D010 10116 716 0 D010 10116 716 0 D010 10116 716 0	
C857R C858L C858R C859L C859R		CERAMIC 100PF-J/50V CERAMIC 100PF-J/50V CERAMIC 100PF-J/50V CERAMIC 100PF-J/50V CERAMIC 100PF-J/50V	D010 10116 716 0 D010 10116 716 0 D010 10116 716 0 D010 10116 716 0 D010 10116 716 0	
C860BL C860BR C860SW C861BL C861BR		ELECT 4.7UF-M/50V ELECT 4.7UF-M/50V ELECT 4.7UF-M/50V CERAMIC 100PF-J/50V CERAMIC 100PF-J/50V	D040 4R708 710 0 D040 4R708 710 0 D040 4R708 710 0 D010 10116 716 0 D010 10116 716 0	
C861SW C862 C863 C865 C866		CERAMIC 100PF-J/50V CERAMIC 1000PF-K/50V CERAMIC 1000PF-K/50V CERAMIC 0.1UF-K/50V CERAMIC 0.1UF-K/50V	D010 10116 716 0 D011 10277 716 0 D011 10277 716 0 D011 10457 716 0 D011 10457 716 0	
C867 C868 C869 C870 C871		ELECT 47UF-M/35V ELECT 47UF-M/35V CERAMIC 100PF-J/50V CERAMIC 100PF-J/50V CERAMIC 100PF-J/50V	D040 47008 506 0 D040 47008 506 0 D010 10116 716 0 D010 10116 716 0 D010 10116 716 0	
C874C C874L C874R C874SL C874SR		ELECT 47UF-M/16V ELECT 47UF-M/16V ELECT 47UF-M/16V ELECT 47UF-M/16V ELECT 47UF-M/16V	D040 47008 307 0 D040 47008 307 0 D040 47008 307 0 D040 47008 307 0 D040 47008 307 0	
C874SW C431 C422 C433 C421		ELECT 47UF-M/16V 10/35 270P 0.01UF/50 0.01UF/50	D040 47008 307 0 D040 -1000 8-5 0 D010 -2711 6-7 1 D011 -1037 7-7 1 D011 -1037 7-7 1	
C419 C420 C426 C432		27P 27P 0.01UF/50V 47/16	D010 -2701 6-7 1 D010 -2701 6-7 1 D011 -1037 7-7 1 D040 -4700 8-3 0	
OTHERS GROUP				
*		SHEET	1210 21032 500 0	
*		HEAT SINK	2120 21066 800 0	
*		POSISTOR SE07850SD04	F320 78504 001 0	
*		HEAT SINK	2120 21075 800 0	
*		TER,RCA 6PIN	G603 603B0 500 0	
*		TER,RCA 4PIN	G602 405B0 400 Y	
*1		TER,RCA 4PIN	G602 405BE 180 0	
BC401		ELECT 8200UF-M/5.5V	D040 82208 001 0	
BD201		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	
BD202		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	
BD203		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	
BD204		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	

	Ref.No.	Part No.	Part Name	Remarks	New
	BD205		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	
	BD206		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	
	BD207		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	
	BD208		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	
	BD209		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	
	BD210		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	
	BD211		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	
	BD212		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	
	BD213		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	
	BD401		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	
	BD405		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	
	BD406		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	
	BD408		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	
	BD409		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	
	BD801		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	
	CB402		CN,WIRE 1P JUMPER	L045 08400 604 0	
	CB403		BEAD,COIL 3550R2F	7610 03550 003 0	
	CB410		BEAD,COIL 3550R2F	7610 03550 003 0	
	CB411		BEAD,COIL 3550R2F	7610 03550 003 0	
	CB413		BEAD,COIL 3550R2F	7610 03550 003 0	
	CB414		BEAD,COIL 3550R2F	7610 03550 003 0	
	CB415		BEAD,COIL 3550R2F	7610 03550 003 0	
	CB416		BEAD,COIL 3550R2F	7610 03550 003 0	
	CB417		BEAD,COIL 3550R2F	7610 03550 003 0	
	CB419		BEAD,COIL 3550R2F	7610 03550 003 0	
	CB420		BEAD,COIL 3550R2F	7610 03550 003 0	
	CN101C		CN,WIRE 230MM/6P	L000 23106 005 0	
	CN101F		CN,WIRE 110MM/5P	L000 11105 010 0	
	CN101R		CN,WIRE 230MM/4P	L000 23104 002 0	
	CN101RB		CN,WIRE 300MM/3P	L000 30103 005 0	
	CN404		CN,WIRE 120MM/4P	L000 12104 010 0	
	CN801		CN,WIRE 50MM/7P	L000 50007 001 0	
	CN851		CN,WIRE 50MM/12P	L000 50012 001 0	
	CN852		CN,WIRE 50MM/15P	L000 50015 001 0	
	CP201		CN.WAFER 53014-1210	L101 53014 121 0	
	CP202		CN.WAFER 53014-0710	L101 53014 071 0	
	CP203		CN.WAFER 53014-1510	L101 53014 151 0	
	CP204		CN.WAFER TUC-P10P-B1	L101 10004 101 0	
	CP401		CN.FPC 1117-00 17P ST	L131 11170 001 0	
	CP402		CN.WAFER 53014-0910	L101 53014 091 0	
	CP405		CN.WAFER TUC-P09P-B1	L101 10004 091 0	
	CP406		CN.WAFER TUC-P07P-B1	L101 10004 071 0	
	CP407		CN.WAFER TUC-P17P-B1	L101 10004 171 0	
	CP408		CN.FPC 1113-00 13P ST	L131 11130 001 0	
	CP409		CN.WAFER TUC-P04P-B1	L101 10004 041 0	
	CP410		CN.WAFER TUC-P05P-B1	L101 10004 051 0	
	GND1		TERMINAL	3790 04087 601 0	
	GND2		TERMINAL	3790 04087 601 0	
	GND3		TERMINAL	3790 04087 601 0	
	GND4		TERMINAL	3790 04087 601 0	
	GND5		TERMINAL	3790 04087 601 0	
	J201		CN,WIRE 1P JUMPER	L045 08400 604 0	
	J202		CN,WIRE 1P JUMPER	L045 08400 604 0	
	J203		CN,WIRE 1P JUMPER	L045 08400 604 0	
	JACK803		MODULE GP1FA513RZ	E100 15130 002 0	
	JACK804		MODULE GP1FA513RZ	E100 15130 002 0	

	Ref.No.	Part No.	Part Name	Remarks	New
	JACK805 L106		MODULE GP1FA513TZ BEAD,COIL HB-IT2012-121JT	E100 15130 001 0 7611 01000 002 0	
	L107 L108 L112C L112F L112S		BEAD,COIL HB-IT2012-121JT BEAD,COIL HB-IT2012-121JT BEAD,COIL HB-IT2012-121JT BEAD,COIL HB-IT2012-121JT BEAD,COIL HB-IT2012-121JT	7611 01000 002 0 7611 01000 002 0 7611 01000 002 0 7611 01000 002 0 7611 01000 002 0	
	L113C L113F L113S L114C L114FL		BEAD,COIL HB-IT2012-121JT BEAD,COIL HB-IT2012-121JT BEAD,COIL HB-IT2012-121JT COIL,SPRING SP-2508 COIL,SPRING SP-2508	7611 01000 002 0 7611 01000 002 0 7611 01000 002 0 D380 25080 001 0 D380 25080 001 0	
	L114FR L114RR L114SL L114SR L115C		COIL,SPRING SP-2508 COIL,SPRING SP-2508 COIL,SPRING SP-2508 COIL,SPRING SP-2508 COIL,SPRING SP-2508	D380 25080 001 0 D380 25080 001 0 D380 25080 001 0 D380 25080 001 0 D380 25080 001 0	
	L115FL L115FR L115RR L115SL L115SR		COIL,SPRING SP-2508 COIL,SPRING SP-2508 COIL,SPRING SP-2508 COIL,SPRING SP-2508 COIL,SPRING SP-2508	D380 25080 001 0 D380 25080 001 0 D380 25080 001 0 D380 25080 001 0 D380 25080 001 0	
	L116C L116FL L116FR L116RR L116SL		COIL,TOROIDAL 7uH 24*10 COIL,TOROIDAL 7uH 24*10 COIL,TOROIDAL 7uH 24*10 COIL,TOROIDAL 7uH 24*10 COIL,TOROIDAL 7uH 24*10	D305 01024 001 0 D305 01024 001 0 D305 01024 001 0 D305 01024 001 0 D305 01024 001 0	
	L116SR L117C L117FL L117FR L117RR		COIL,TOROIDAL 7uH 24*10 COIL,TOROIDAL 7uH 24*10 COIL,TOROIDAL 7uH 24*10 COIL,TOROIDAL 7uH 24*10 COIL,TOROIDAL 7uH 24*10	D305 01024 001 0 D305 01024 001 0 D305 01024 001 0 D305 01024 001 0 D305 01024 001 0	
	L117SL L117SR L801 L802 L803		COIL,TOROIDAL 7uH 24*10 COIL,TOROIDAL 7uH 24*10 COIL,FILTER 4.7UH-Q50/56M COIL,FILTER 4.7UH-Q50/56M COIL,FILTER 4.7UH-Q50/56M	D305 01024 001 0 D305 01024 001 0 D330 4R700 015 0 D330 4R700 015 0 D330 4R700 015 0	
	L805 L806 PT101 RLY100 RLY102		COIL,FILTER 4.7UH-Q50/56M COIL,FILTER 4.7UH-Q50/56M CN.WAFER 5267-03A 3P RELAY G5PA-28 RELAY G5PA-28	D330 2R200 015 0 D330 4R700 015 0 L102 52670 030 0 G680 12052 801 0 G680 12052 801 0	
	RN301 RN302 RN303 RN304 RN305		R,NETWORK 100J*4 1/16W R,NETWORK 100J*4 1/16W R,NETWORK 100J*4 1/16W R,NETWORK 100J*4 1/16W R,NETWORK 100J*4 1/16W	C180 10104 200 0 C180 10104 200 0 C180 10104 200 0 C180 10104 200 0 C180 10104 200 0	
	RN306 RN307 RN308 RN309 X401		R,NETWORK 100J*4 1/16W R,NETWORK 100J*4 1/16W R,NETWORK 100J*4 1/16W R,NETWORK 100J*4 1/16W RESONATOR CSTLA12M0T55-A0	C180 10104 200 0 C180 10104 200 0 C180 10104 200 0 C180 10104 200 0 E830 12000 005 0	
	X402 XTAL201 ZD401 ZD402		4.332MHZ CRYSTAL 24.576MHZ CL:16PF D,ZENER MTZJ3.3B D,ZENER MTZJ5.1B	E800 -4R33 2-0 0 E800 24576 081 0 K060 03R34 452 0 K060 05R14 452 0	

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Ref.No.	Part No.	Part Name	Remarks	New
SEMICONDUCTORS GROUP				
IC230		IC BA4560F	J121 45600 004 1	
IC601		IC BA7626F	J171 76260 001 0	
IC603		IC BA7626F	J171 76260 001 0	
IC606		IC BA7626F	J171 76260 001 0	
IC607		IC BU2090F	J044 20900 001 0	
IC609		IC LC74781	J170 74781 001 0	
IC610		IC NJM2274R	J080 22740 001 0	
IC611		IC MM74HC4053MX	J040 74405 304 0	
IC612		IC MM74HC4053MX	J040 74405 304 0	
IC613		IC MM74HC4053MX	J040 74405 304 0	
IC701		IC BD3812F	J084 38120 001 0	
IC702		IC BD3812F	J084 38120 001 0	
IC705		IC MM74HC4053MX	J040 74405 304 0	
IC705		MM74HC4053MX	J040 74405 304 0	For JP
D105S		D,SWITCHING 1SS133T	K000 01330 052 0	
D415		D,SWITCHING 1SS133T	K000 01330 052 0	
D601		D,SWITCHING 1SS133T	K000 01330 052 0	
D602		D,SWITCHING KDS160(UF)	K005 01600 001 0	
D603		D,SWITCHING KDS160(UF)	K005 01600 001 0	
D604		D,SWITCHING KDS160(UF)	K005 01600 001 0	
D605		D,SWITCHING KDS160(UF)	K005 01600 001 0	
D606		D,SWITCHING KDS160(UF)	K005 01600 001 0	
D607		D,SWITCHING KDS160(UF)	K005 01600 001 0	
D610		D,SWITCHING 1SS133T	K000 01330 052 0	
D611		D,SWITCHING 1SS133T	K000 01330 052 0	
D612		D,SWITCHING 1SS133T	K000 01330 052 0	
D613		D,SWITCHING 1SS133T	K000 01330 052 0	
D616		D,ZENER MTZJ5.1B	K060 05R14 452 0	
ZD701		D,ZENER MTZJ6.8B-0.5W/5MA	K060 06R84 452 0	
ZD702		D,ZENER MTZJ6.8B-0.5W/5MA	K060 06R84 452 0	
Q105S		SEMI KRC107M,0.4W	J602 0107M 001 0	
Q202L		SEMI KTC2875B(MB)	J522 2875B 001 0	
Q202R		SEMI KTC2875B(MB)	J522 2875B 001 0	
Q203L		SEMI KTC2875B(MB)	J522 2875B 001 0	
Q203R		SEMI KTC2875B(MB)	J522 2875B 001 0	
Q215		SEMI KRA102M	J600 2202M 001 0	
Q410		SEMI KRC107M	J602 0107M 001 0	
Q602		SEMI KTA1504Y	J520 1504Y 021 0	
Q604		SEMI KTA1504Y	J520 1504Y 021 0	
Q605		SEMI KTA1504Y	J520 1504Y 021 0	
Q606		SEMI KTA1504Y	J520 1504Y 021 0	
Q607		SEMI KTA1504Y	J520 1504Y 021 0	
Q610		SEMI KTA1504Y	J520 1504Y 021 0	
Q618		SEMI KTA1504Y	J520 1504Y 021 0	
Q619		SEMI 2SA933S	J500 0933S 005 0	
Q620		SEMI 2SA933S	J500 0933S 005 0	
Q621		SEMI KTA1504Y(ASY)	J520 1504Y 021 0	
Q622		SEMI KTC3198Y	J502 3198Y 000 0	
Q623		SEMI KRA107S (PH)	J520 0107S 005 0	
Q624		SEMI KRA107S (PH)	J520 0107S 005 0	
Q625		SEMI KTA1504Y(ASY)	J520 1504Y 021 0	
Q626		SEMI KTA1504Y(ASY)	J520 1504Y 021 0	
Q627		SEMI KTC3198Y	J502 3198Y 000 0	

	Ref.No.	Part No.	Part Name	Remarks		New
	Q629		SEMI KTC3198Y	J502 3198Y 000 0		
	Q630		SEMI KTC3198Y	J502 3198Y 000 0		
	Q631		SEMI KTA1504Y(ASY)	J520 1504Y 021 0		
	Q632		SEMI KTA1504Y(ASY)	J520 1504Y 021 0		
	Q633		SEMI 2SA933S	J500 0933S 005 0		
	Q634		SEMI KTA1504Y(ASY)	J520 1504Y 021 0		
	Q635		SEMI KTA1504Y(ASY)	J520 1504Y 021 0	For JP	
	Q643		SEMI KRC107S	J502 0107S 005 0		
	Q644		SEMI KRC107M	J602 0107M 001 0		
	Q645		SEMI KRC107M	J602 0107M 001 0		
	Q646		SEMI KRC107S	J502 0107S 005 0		For JP
	Q647		SEMI KRC234S	J522 02340 021 0		
	Q648		SEMI KRC234S	J522 02340 021 0		
RESISTORS GROUP						
	R293L		METAL FILM 56-J,1W	C060 05606 505 0		
	R293R		METAL FILM 56-J,1W	C060 05606 505 0		
	R294L		METAL FILM 56-J,1W	C060 05606 505 0		
	R294R		METAL FILM 56-J,1W	C060 05606 505 0		
	R311		METAL FILM 1K-J,1/4W	C060 01026 305 0		
	R446		METAL FILM 47-J,1/4W	C060 04706 305 0		
	R627		METAL FILM 100-J,1/4W	C060 01016 305 0		
	R628		METAL FILM 100-J,1/4W	C060 01016 305 0		
	R629		METAL FILM 100-J,1/4W	C060 01016 305 0		
	R630		METAL FILM 100-J,1/4W	C060 01016 305 0		
	R631		METAL FILM 100-J,1/4W	C060 01016 305 0		
	R632		METAL FILM 100-J,1/4W	C060 01016 305 0		
	R659		METAL FILM 200-J,1/4W	C060 02016 305 0		
	R661		METAL FILM 10-J,1/4W	C060 01006 305 0		
	R662		METAL FILM 10-J,1/4W	C060 01006 305 0		
	R663		METAL FILM 100-J,1/4W	C060 01016 305 0		
	R673		METAL FILM 220-J,1/4W	C060 02216 305 0		
	R674		METAL FILM 220-J,1/4W	C060 02216 305 0		
	R677		METAL FILM 220-J,1/4W	C060 02216 305 0		
	R702		METAL FILM 200-J,1/4W	C060 02016 305 0		
	R703		METAL FILM 200-J,1/4W	C060 02016 305 0		
	R704		METAL FILM 100-J,1/4W	C060 01016 305 0		
	R707		METAL FILM 100-J,1/4W	C060 01016 305 0		
	R713		METAL FILM 220-J,1/4W	C060 02216 305 0		
	R715		METAL FILM 3.3-J,1W	C060 3R306 552 0		
	R716		METAL FILM 2.2-J,1W	C060 2R206 552 0		
	R717		METAL FILM 3.3-J,1W	C060 3R306 552 0		
	R718		METAL FILM 2.2-J,1W	C060 2R206 552 0		
	R720		METAL FILM MF 220 2W	C060 02216 652 0		
	R721		CN,WIRE 1P JUMPER	L045 08400 604 0		
	R722		METAL FILM MF 220 2W	C060 02216 652 0		
	R723		CN,WIRE 1P JUMPER	L045 08400 604 0		
	R787		METAL FILM 100-J,1/4W	C060 01016 305 0	For JP	
	R766,R789		10K	C200 01036 M16 0		
CAPACITORS GROUP						
	C125C		CERAMIC F0.1UF-Z/50V	D006 10459 705 0		
	C125FL		CERAMIC F0.1UF-Z/50V	D006 10459 705 0		
	C125FR		CERAMIC F0.1UF-Z/50V	D006 10459 705 0		
	C125RR		CERAMIC F0.1UF-Z/50V	D006 10459 705 0		
	C125SL		CERAMIC F0.1UF-Z/50V	D006 10459 705 0		
	C125SR		CERAMIC F0.1UF-Z/50V	D006 10459 705 0		
	C305L		ELECT 10UF-M/50V	D040 10008 705 0		

	Ref.No.	Part No.	Part Name	Remarks		New
	C305R		ELECT 10UF-M/50V	D040 10008 705 0		
	C306L		CERAMIC 2200PF-K/50V	D011 22277 716 0		
	C306R		CERAMIC 2200PF-K/50V	D011 22277 716 0		
	C308L		CERAMIC 56PF-J/50V	D010 56016 716 0		
	C308R		CERAMIC 56PF-J/50V	D010 56016 716 0		
	C309L		ELECT 330UF-M/10V	D040 33108 206 0		
	C309R		ELECT 330UF-M/10V	D040 33108 206 0		
	C328		ELECT 0.1UF-M/50V	D040 R1008 707 0		
	C601		ELECT 470UF-M/6.3V	D040 47108 123 0		
	C602		ELECT 470UF-M/6.3V	D040 47108 123 0		
	C603		ELECT 470UF-M/6.3V	D040 47108 123 0		
	C604		ELECT 0.47UF-M/50V	D040 R4708 705 0		
	C605		ELECT 470UF-M/6.3V	D040 47108 123 0		
	C606		ELECT 0.47UF-M/50V	D040 R4708 705 0		
	C607		ELECT 22UF-M/25V	D040 22008 405 0		
	C608		ELECT 22UF-M/25V	D040 22008 405 0		
	C609		ELECT 22UF-M/25V	D040 22008 405 0		
	C610		ELECT 22UF-M/25V	D040 22008 405 0		
	C611		ELECT 22UF-M/25V	D040 22008 405 0		
	C612		ELECT 22UF-M/25V	D040 22008 405 0		
	C613		ELECT 22UF-M/25V	D040 22008 405 0		
	C614		ELECT 22UF-M/25V	D040 22008 405 0		
	C615		ELECT 22UF-M/25V	D040 22008 405 0		
	C616		ELECT 22UF-M/25V	D040 22008 405 0		
	C617		ELECT 22UF-M/25V	D040 22008 405 0		
	C618		ELECT 22UF-M/25V	D040 22008 405 0		
	C619		ELECT 10UF-M/50V	D040 10008 705 0		
	C620		ELECT 10UF-M/50V	D040 10008 705 0		
	C621		ELECT 10UF-M/50V	D040 10008 705 0		
	C622		ELECT 10UF-M/50V	D040 10008 705 0		
	C623		ELECT 10UF-M/50V	D040 10008 705 0		
	C624		ELECT 100UF-M/10V	D040 10108 206 0		
	C625		ELECT 10UF-M/50V	D040 10008 705 0		
	C626		CERAMIC 0.047UF-Z/50V	D011 47359 716 0		
	C627		ELECT 100UF-M/10V	D040 10108 206 0		
	C628		CERAMIC 0.047UF-Z/50V	D011 47359 716 0		
	C631		ELECT 100UF-M/10V	D040 10108 206 0		
	C632		CERAMIC 0.047UF-Z/50V	D011 47359 716 0		
	C635		CERAMIC 100PF-J/50V	D010 10116 716 0		
	C636		CERAMIC 100PF-J/50V	D010 10116 716 0		
	C637		ELECT 100UF-M/10V	D040 10108 206 0		
	C638		CERAMIC 0.047UF-Z/50V	D011 47359 716 0		
	C639		CERAMIC 0.047UF-Z/50V	D011 47359 716 0		
	C640		CERAMIC 0.047UF-Z/50V	D011 47359 716 0		
	C641		ELECT 470UF-M/10V	D040 47108 206 0		
	C642		ELECT 10UF-M/50V	D040 10008 705 0		
	C643		ELECT 10UF-M/50V	D040 10008 705 0		
	C644		CERAMIC 0.022UF-K/25V	D011 22377 716 0		
	C645		ELECT 1UF-M/50V	D040 01008 708 0		
	C646		ELECT 47UF-M/16V	D040 47008 308 0		
	C647		CERAMIC SL1PF-K/50V	D001 01007 753 0		
	C648		ELECT 10UF-M/50V	D040 10008 705 0		
	C649		ELECT 2.2UF-M/50V	D040 2R208 710 0		
	C650		ELECT 10UF-M/50V	D040 10008 705 0		
	C651		ELECT 2.2UF-M/50V	D040 2R208 710 0		
	C652		ELECT 100UF-M/10V	D040 10108 206 0		

Ref.No.	Part No.	Part Name	Remarks	New
C653		ELECT 47UF-M/16V	D040 47008 308 0	
C654		CERAMIC CH20PF-J/50V	D000 20016 706 0	
C655		CERAMIC CH20PF-J/50V	D000 20016 706 0	
C656		CERAMIC CH22PF-J/50V	D000 22016 706 0	
C657		CERAMIC CH22PF-J/50V	D000 22016 706 0	
C658		ELECT 1UF-M/50V	D040 01008 708 0	
C659		CERAMIC COG560pF-J/50V	D010 56116 716 0	
C660		ELECT 47UF-M/16V	D040 47008 308 0	
C663		CERAMIC 0.047UF-Z/50V	D011 47359 716 0	
C664		ELECT 47UF-M/16V	D040 47008 308 0	
C665		CERAMIC SL1PF-K/50V	D001 01007 753 0	
C666		CERAMIC COG27PF-J/50V	D010 27016 716 0	
C667		CERAMIC 0.047UF-Z/50V	D011 47359 716 0	
C668		ELECT 10UF-M/50V	D040 10008 705 0	
C669		ELECT 10UF-M/50V	D040 10008 705 0	
C670		ELECT 47UF-M/16V	D040 47008 308 0	
C671		ELECT 100UF-M/10V	D040 10108 206 0	
C672		ELECT 22UF-M/25V	D040 22008 405 0	
C673		ELECT 100UF-M/10V	D040 10108 206 0	
C674		CERAMIC 0.01UF-K/50V	D011 10377 716 0	
C675		CERAMIC 1000PF-K/50V	D011 10277 716 0	
C687		ELECT 100UF-M/10V	D040 10108 206 0	
C701		ELECT 10UF-M/35V	D040 10008 507 0	
C702		ELECT 10UF-M/35V	D040 10008 507 0	
C703		ELECT 10UF-M/35V	D040 10008 507 0	
C706		CERAMIC 100PF-J/50V	D010 10116 716 0	
C707		CERAMIC 100PF-J/50V	D010 10116 716 0	
C708		CERAMIC 100PF-J/50V	D010 10116 716 0	
C709		CERAMIC 100PF-J/50V	D010 10116 716 0	
C710		ELECT 47UF-M/16V	D040 47008 307 0	
C714		ELECT 47UF-M/16V	D040 47008 307 0	
C720		CERAMIC 0.01UF-K/50V	D011 10377 716 0	For JP
C764		CERAMIC 100PF-J/50V	D010 10116 716 0	
C765		CERAMIC 100PF-J/50V	D010 10116 716 0	
C766		CERAMIC 0.047UF-Z/50V	D011 47359 716 0	
C767		ELECT 22UF-M/25V	D040 22008 405 0	
C768		ELECT 22UF-M/25V	D040 22008 405 0	
C769		ELECT 22UF-M/25V	D040 22008 405 0	
C770		CERAMIC 0.047UF-Z/50V	D011 47359 716 0	
C771		CERAMIC 0.047UF-Z/50V	D011 47359 716 0	
C772		CERAMIC 0.047UF-Z/50V	D011 47359 716 0	
C782		ELECT 100UF-M/10V	D040 10108 206 0	
C783		ELECT 100UF-M/10V	D040 10108 206 0	
C818		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
C819		CERAMIC 0.1UF-K/50V	D011 10457 716 0	
OTHERS GROUP				
*		JACK,D6.5	G402 04220 000 0	
*		JACK,DIN	G403 04002 001 0	
*		TER,RCA 1PIN	G600 01000 303 0	
*		TER,RCA 2PIN	G601 02016 301 0	
*		TER,BOARD SCREW 4P	G612 31058 400 0	
*		CN.CATV	L170 00125 001 0	
CB601		BEAD,COIL BFS 3550R2F	7610 03550 003 0	
CB602		COIL 33UH-Q40/14M-R4.7	D330 33000 102 0	
CB604		BEAD,COIL BFS 3550R2F	7610 03550 003 0	
CB605		BEAD,COIL BFS 3550R2F	7610 03550 003 0	

Ref.No.	Part No.	Part Name	Remarks	New
CB606		BEAD,COIL BFS 3550R2F	7610 03550 003 0	
CB608		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	
CB609		BEAD,COIL HB-IT2012-121JT	7611 01000 002 0	
CN601		CN,WIRE 150MM/10P	L000 15110 004 0	For JP
CN602		CN,WIRE 150MM/11P	L000 15111 005 0	For JP
CN603		CN,WIRE 150MM/11P	L000 17111 001 0	For E2
CP101C		CN.WAFER 5267-06A 6P	L102 52670 060 0	
CP101F		CN.WAFER 5267-05A 5P	L102 52670 050 0	
CP101R		CN.WAFER 5267-04A 4P	L102 52670 040 0	
CP101RB		CN.WAFER 5267-03A 3P	L102 52670 030 0	
CP301		CN.WAFER 53015-0310 3P	L101 53015 031 0	
CP403		CN.WAFER 53015-0410 4P	L101 53015 041 0	
CP601		CN.WAFER TUC-P05P-B1	L101 10004 051 0	
CP602		CN.WAFER TUC-P17P-B1	L101 10004 171 0	For JP
CP603		CN.WAFER 53015-1010 10P ANGLE	L101 53015 101 0	
CP604		CN.WAFER 53015-1110 11P ANGLE	L101 53015 111 0	
CP605		CN.WAFER TUC-P05X-B1	L101 10003 051 0	
CP606		CN.WAFER TUC-P05X-B1	L101 10003 051 0	
CP607		CN.WAFER TUC-P17X-B1	L101 10003 171 0	
CP608		CN.WAFER TUC-P17X-B1	L101 10003 171 0	
CP609		CN.WAFER TUC-P07X-B1	L101 10003 071 0	
CP610		CN.WAFER TUC-P09X-B1	L101 10003 091 0	
CP611		CN.WAFER TUC-P09X-B1	L101 10003 091 0	
CP612		CN.WAFER TUC-P07X-B1	L101 10003 071 0	
CP701		CN.WAFER TUC-P10X-B1	L101 10003 101 0	
CP702		CN.WAFER TUC-P04X-B1	L101 10003 041 0	
L601		COIL KS-MT/035067	D320 35067 001 0	For JP
L601		COIL KS-MT/035067	D320 35067 002 0	For E2
RLY101		RELAY G5PA-28 12V	G680 12052 801 0	
RLY401		RELAY DC12V 2A30VDC	G680 12020 202 0	
RLY601		RELAY DC12V 2A30VDC	G680 12020 202 0	
RLY602		RELAY DC12V 2A30VDC	G680 12020 202 0	
RLY603		RELAY DC12V 2A30VDC	G680 12020 202 0	
RLY604		RELAY DC12V 2A30VDC	G680 12020 202 0	
SCT701		BRACKET	4010 21019 600 0	
XTAL601		CRYSTAL 14.318180MHZ, CL	E800 14R31 807 0	For JP
XTAL601		CRYSTAL 14.318180MHZ, CL	R800 17R73 442 0	For E2

FRONT P.W.B. UNIT ASS'Y

	Ref.No.	Part No.	Part Name	Remarks		New
SEMICONDUCTORS GROUP						
	IC901		IC M66005-0001AFP	J127 66005 003 0		
	IC902		IC BU2090F	J044 20900 001 0		
	D901		D,SWITCHING KDS160(UF)	K005 01600 001 0		
	D902		D,SWITCHING KDS160(UF)	K005 01600 001 0		
	D903		D,SWITCHING IN4007 1000V 1A	K000 40070 052 0		
	D920		D,SWITCHING KDS160(UF)	K005 01600 001 0		
	D951		D,SWITCHING 1SS133T	K000 01330 052 0		
	D952		D,SWITCHING 1SS133T	K000 01330 052 0		
	D971		D,SWITCHING 1SS133T	K000 01330 052 0		
	D972		D,SWITCHING 1SS133T	K000 01330 052 0		
	D973		D,SWITCHING KDS160(UF)	K005 01600 001 0		
	D974		D,SWITCHING KDS160(UF)	K005 01600 001 0		
	ZD901		D,ZENER MTZJ6.8B	K060 06R84 452 0		
	ZD971		D,ZENER MTZJ6.8B	K060 05R14 452 0		
	ZD972		D,ZENER MTZJ6.8B	K060 05R14 452 0		
	ZD973		D,ZENER MTZJ6.8B	K060 05R14 452 0		
	ZD974		D,ZENER MTZJ6.8B	K060 05R14 452 0		
	Q921		SEMI KRA104M	J600 0104M 001 0		
	Q922		SEMI KRC102S	J522 01020 021 0		
RESISTORS GROUP						
	R905		FILM 10K-J,1/5W	C000 01036 P52 0		
	R906		FILM 100-J,1/4W	C000 01016 352 0		
	R907		FILM 100-J,1/4W	C000 01016 352 0		
	R920		FILM 10-J,1/6W	C000 01006 252 C		
CAPACITORS GROUP						
	C900		C,CERAMIC 0.1UF-K/50V	D011 10457 716 0		
	C901		C,CERAMIC 0.1UF-K/50V	D011 10457 716 0		
	C902		C,ELECT 100UF-M/10V	D040 10108 205 0		
	C903		C,CERAMIC 100PF-J/50V	D010 10116 716 0		
	C904		C,CERAMIC 100PF-J/50V	D010 10116 716 0		
	C905		C,CERAMIC 0.01UF-K/50V	D011 10377 716 0		
	C906		C,CERAMIC 100PF-J/50V	D010 10116 716 0		
	C907		C,CERAMIC 0.1UF-K/50V	D011 10457 716 0		
	C908		C,CERAMIC 100PF-J/50V	D010 10116 716 0		
	C909		C,CERAMIC 0.01UF-K/50V	D011 10377 716 0		
	C910		C,CERAMIC 0.1UF-K/50V	D011 10457 716 0		
	C911		C,ELECT 10UF-M/35V	D040 10008 507 0		
	C912		C,CERAMIC 0.1UF-K/50V	D011 10457 716 0		
	C913		C,CERAMIC 0.047UF-K/16V	D011 47377 316 0		
	C914		C,CERAMIC 0.047UF-K/16V	D011 47377 316 0		
	C918		C,CERAMIC 0.047UF-K/16V	D011 47377 316 0		
	C919		C,CERAMIC 0.047UF-K/16V	D011 47377 316 0		
	C920		C,ELECT 100UF-M/10V	D040 10108 205 0		
	C921		C,CERAMIC 0.01UF-K/50V	D011 10377 716 0		
	C922		C,ELECT 100UF-M/10V	D040 10108 205 0		
	C923		C,CERAMIC 0.1UF-K/50V	D011 10457 716 0		
	C924		C,CERAMIC 100PF-J/50V	D010 10116 716 0		
	C925		C,CERAMIC 100PF-J/50V	D010 10116 716 0		
	C950		C,CERAMIC 0.01UF-M/16V	D005 10377 353 0		
	C951		C,CERAMIC 0.01UF-K/50V	D011 10377 716 0		
	C953		C,CERAMIC 0.01UF-M/16V	D005 10377 353 0		
	C954		C,CERAMIC 1000PF-K/50V	D011 10277 716 0		
	C955		C,CERAMIC 1000PF-K/50V	D011 10277 716 0		

	Ref.No.	Part No.	Part Name	Remarks	New
	C956		C,CERAMIC 0.01UF-M/16V	D005 10377 353 0	
	C971		C,CERAMIC 0.01UF-K/50V	D011 10377 716 0	
	C972		C,CERAMIC 0.01UF-K/50V	D011 10377 716 0	
	C973		C,CERAMIC 0.01UF-K/50V	D011 10377 716 0	
	C974		C,CERAMIC 0.01UF-K/50V	D011 10377 716 0	
	C975		C,CERAMIC 0.01UF-K/50V	D011 10377 716 0	
	C976		C,CERAMIC 0.01UF-K/50V	D011 10377 716 0	
	C977		C,CERAMIC 0.01UF-K/50V	D011 10377 716 0	
	C978		C,CERAMIC 0.01UF-K/50V	D011 10377 716 0	
	C979		C,CERAMIC 0.01UF-M/16V	D005 10377 353 0	
	C980		C,CERAMIC 0.01UF-K/50V	D011 10377 716 0	
OTHERS GROUP					
	*		GUIDE LED	4350 21015 100 0	
	*		PLATE	4470 21064 600 0	
	*		GUIDE SENSOR	4350 21000 100 0	
	*		CUSHION FLT GUIDE	4050 21105 500 0	
	BD951		BEAD HB-IT2012-121JT	7611 01000 002 0	
	BD952		BEAD HB-IT2012-121JT	7611 01000 002 0	
	BD953		BEAD HB-IT2012-121JT	7611 01000 002 0	
	BD954		BEAD HB-IT2012-121JT	7611 01000 002 0	
	CN902		CN,WIRE 60MM/3P	L000 60003 006 0	
	CN903		CN,WIRE 260MM/9P	L000 26109 002 0	
	CN904		CN,WIRE 260MM/4P	L000 26104 002 0	
	CN905		CN,WIRE 60MM/3P	L000 60003 006 0	
	CP901		CN.FPC SCB-1217 17P	L131 12170 001 0	
	CP902		CN.WAFER 53015-0310 3P	L101 53015 031 0	
	CP905		CN.WAFER 53015-0310 3P	L101 53015 031 0	
	FLT901		DISPLAY,FLT 15-ST-43GN	K530 15430 001 0	
	JK902		JACK,D3.5 HTJ035-18AB(G)	G401 03518 001 0	
	L901		COIL 100UH-Q40	D330 10100 102 0	
	LED921		LED HL-50RDB RED	K500 05200 701 0	
	LED922		LED PI5-GN/KD	K500 00002 000 0	
	LED923		LED PI5-GN/KD	K500 00002 000 0	
	LED924		LED PI5-GN/KD	K500 00002 000 0	
	LED925		LED HL-50CNBLU	K500 05600 006 0	
	LED926		LED HL-50CNBLU	K500 05600 006 0	
	LED928		LED LNW9A8BYBP45	K500 42600 001 0	
	RMC901		MODULE,REMOCON NJL61H380-F3	E940 61380 000 0	
	SW901		SW,TACT SKHV10920A	G180 00027 001 0	
	SW902		SW,TACT SKHV10920A	G180 00027 001 0	
	SW903		SW,TACT SKHV10920A	G180 00027 001 0	
	SW904		SW,TACT SKHV10920A	G180 00027 001 0	
	SW905		SW,TACT SKHV10920A	G180 00027 001 0	
	SW906		SW,TACT SKHV10920A	G180 00027 001 0	
	SW907		SW,TACT SKHV10920A	G180 00027 001 0	
	SW908		SW,TACT SKHV10920A	G180 00027 001 0	
	SW909		SW,TACT SKHV10920A	G180 00027 001 0	
	SW910		SW,TACT SKHV10920A	G180 00027 001 0	
	VEC901		SW,ENCODER PVB20FHINB1	G121 16120 002 0	
	VEC902		SW,ENCODER E1211A3B-V1	G121 12113 001 0	
	W901		RING,TER WIRE 60MM/1P	8410 60001 003 0	
	W902		RING,TER WIRE 60MM/1P	8410 60001 003 0	

SMPS P.W.B. UNIT ASS'Y

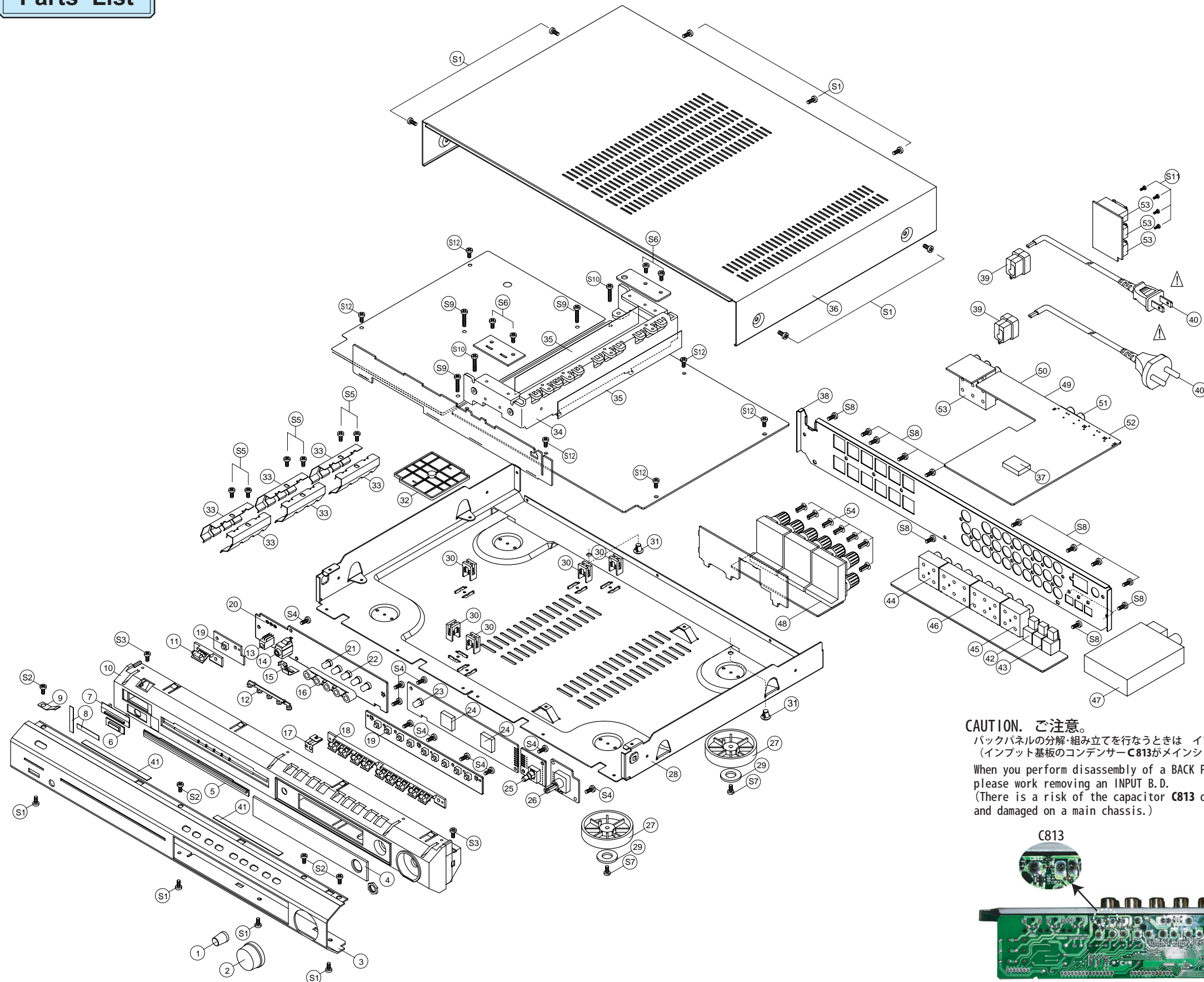
Ref.No.	Part No.	Part Name	Remarks	New
SEMICONDUCTORS GROUP				
IC1		IC ICE1QS01	MICF 00015 000 9	1
IC2		IC ICE2B265	MICP 20265 010 9	1
IC3		IC ICE2B0565	MICP 50165 010 9	1
D1		DIODE 1N4007	MDIR 10210 022 0	2
D2		DIODE 1N4007	MDIR 10210 022 0	
D3		DIODE 1N4937	MDIF 10260 012 0	5
D4		DIODE 1N4148	MDIS 15110 012 0	1
D5		DIODE RGP30J (800V/3A)	MDIP 30280 01B 8	1
D6		DIODE FR107	MDIF 10210 020 0	2
D7		DIODE 1N4937	MDIF 10260 012 0	
D9		DIODE FR107	MDIF 10210 020 0	
D10		DIODE 1N4937	MDIF 10260 012 0	
D11		DIODE SF3006PT (400V/30A)	MDIP 30340 012 7	1
D12		DIODE 1N4937	MDIF 10260 012 0	
D13		DIODE 1N4937	MDIF 10260 012 0	
D14		DIODE SR1A0	MDIC 10210 01B 0	3
D15		DIODE SF24	MDIU 20220 012 6	2
D16		DIODE SR1A0	MDIC 10210 01B 0	
D17		DIODE SF24	MDIU 20220 012 6	
D18		DIODE SR306	MDIC 30260 002 3	1
D19		DIODE SR1A0	MDIC 10210 01B 0	
ZD1		ZENER DIODE 1N5246B(0.5W/16V)	MDIZ 20116 004 Y	5
ZD2		ZENER DIODE 1N5246B(0.5W/16V)	MDIZ 20116 004 Y	
ZD3		ZENER DIODE 1N5246B(0.5W/16V)	MDIZ 20116 004 Y	
ZD4		ZENER DIODE 1N5246B(0.5W/16V)	MDIZ 20116 004 Y	
ZD5		ZENER DIODE 1N5246B (0.5W/16V)	MDIZ 20116 004 Y	
ZD6		ZENER DIODE 1N5230B(0.5W/4.7V)	MDIZ 20104 7X2 Y	1
ZD7		ZENER DIODE 1N5250B(0.5W/20V)	MDIZ 20120 004 Y	2
ZD8		ZENER DIODE 1N5250B(0.5W/20V)	MDIZ 20120 004 Y	
RESISTORS GROUP				
R1		FILM 1/2W 820K ohm J	MREG 4J820 400 0	1
R2		METAL 1W 750K ohm J	MREM CJ750 400 0	1
R5		CEMENT FILM 5W 30K ohm J	MREE 9J200 300 0	1
R8		FILM 1W 1M ohm J	MREM CJ100 500 0	1
R14		JUMPER TIN 0.6T(13mm)	MJW0 06130 000 0	2
R17		METAL 1W 120K ohm J	MREM 5J120 4R0 0	2
R18		METAL 1W 0.42 ohm J	MREM CJ042 Y00 0	1
R19		METAL 2W 91K ohm J	MREM 6J910 3R0 0	1
R21		METAL 1W 2.2 ohm J	MREM CJ022 X00 0	1
R23		METAL 1W 120K ohm J	MREM 5J120 4R0 0	
R26		METAL 2W 10 ohm J	MREM 6J100 000 0	1
R32		CEMENT FILM 5W 1K ohm J	MREE 9J100 200 0	1
R36		JUMPER TIN 0.6T(13mm)	MJW0 06130 000 0	
R38		FILM 1/2W 6.2K ohm J	MREC BJ620 200 0	1
				For E2
CAPACITORS GROUP				
C1		FILM 275VAC/0.22uF (MA224)	MFC0 42751 224 J	1
C2		FILM 275VAC/0.1uF (MA104)	MFC0 42751 104 J	1
C3		CERAMIC 2200pF250VAC-Y1	MCCD 03400 122 2	5
C4		CERAMIC 2200pF250VAC-Y1	MCCD 03400 122 2	
C5		ELEC. 330uF/450V	MEC5 84501 331 0	1
C6		MYLER 0.01uF/630V(103/630)	MFCA 46301 103 K	1
C7		CERAMIC 22p/50V (22p)	MCCD 01500 022 0	2
C8		CERAMIC 471p/50V (471p)	MCCD 01500 047 1	1

Ref.No.	Part No.	Part Name	Remarks	New
C9		CERAMIC 22p/50V (22p)	MCCD 01500 022 0	
C10		MYLER 0.1uF/100V K(2A104J)	MFCA 01001 104 J	1
C11		ELEC. 47uF/50V	MEC0 45000 470 0	5
C12		ELEC. 47uF/50V	MEC0 45000 470 0	
C13		CERAMIC 1000pF/1KV.K (102P)	MCCD 01100 210 2	6
C14		ELEC. 47uF/50V	MEC0 45000 470 0	
C15		ELEC. 1uF/50V	MEC0 45000 22X 0	2
C16		MYLER 0.0047uF/100V K(2A472J)	MFCA 01001 472 J	2
C17		ELEC. 22uF/50V	MEC0 45000 220 0	2
C18		CERAMIC 1000pF/1KV.K (102P)	MCCD 01100 210 2	
C19		ELEC. 4.7uF/50V	MEC0 45000 47X 0	1
C20		ELEC. 1uF/50V	MEC0 45000 22X 0	
C21		MYLER 0.0047uF/100V K(2A472J)	MFCA 01001 472 J	
C22		ELEC. 22uF/50V	MEC0 45000 220 0	
C23		CERAMIC 1000pF/1KV.K (102P)	MCCD 01100 210 2	
C24		ELEC. 2200uF/50	MEC5 45000 222 0	2
C25		ELEC. 2200uF/50	MEC5 45000 222 0	
C26		ELEC. 1000uF/50V	MEC5 45000 102 0	1
C27		ELEC. 2.2uF/50V	MEC0 45000 010 0	4
C28		ELEC. 2.2uF/50V	MEC0 45000 010 0	
C29		CERAMIC 104p/50V (104P)	MCCD 01500 010 4	3
C30		CERAMIC 104p/50V (104P)	MCCD 01500 010 4	
C31		ELEC. 47uF/50V	MEC0 45000 470 0	
C32		ELEC. 47uF/50V	MEC0 45000 470 0	
C33		ELEC. 470uF/25V	MEC5 42500 471 0	4
C34		ELEC. 470uF/25V	MEC5 42500 471 0	
C35		ELEC. 100uF/25V	MEC0 42500 101 0	2
C36		ELEC. 470uF/25V	MEC5 42500 471 0	
C37		ELEC. 470uF/25V	MEC5 42500 471 0	
C38		ELEC. 100uF/25V	MEC0 42500 101 0	
C39		ELEC. 1000uF/16V	MEC5 41600 102 0	2
C40		ELEC. 1000uF/16V	MEC5 41600 102 0	
C41		ELEC. 100uF/16V	MEC5 41600 101 0	1
C42		ELEC. 1000uF/10V	MEC5 41000 102 0	2
C43		ELEC. 2.2uF/50V	MEC0 45000 010 0	
C44		ELEC. 1000uF/10V	MEC5 41000 102 0	
C45		ELEC. 470uF/10V	MEC0 41000 471 0	2
C46		ELEC. 470uF/10V	MEC0 41000 471 0	
C47		ELEC. 2.2uF/50V	MEC0 45000 010 0	
C48		CERAMIC 2200pF250VAC-Y1	MCCD 03400 122 2	
C49		CERAMIC 4700pF250VAC-Y1	MCCD 03400 147 2	For JP 1
C49		CERAMIC 2200pF250VAC-Y1	MCCD 03400 122 2	For E2 5
C50		CERAMIC 2200pF250VAC-Y1	MCCD 03400 122 2	For E2 9
C50		JUMPER TIN 0.6T(10mm)	MJW0 06100 000 0	
C51		CERAMIC 104p/50V (104P)	MCCD 01500 010 4	
C52		MYLER 0.01uF/100V K(2A103J)	MFCA 01001 103 J	1
C53		CERAMIC 680pF/2KV.K (681P)	MCCD 01200 268 0	1
C54		ELEC. 0.1uF/50V	MEC0 45000 01X 0	1
C55		CERAMIC 1000pF/1KV.K (102P)	MCCD 01100 210 2	
C56		CERAMIC 1000pF/1KV.K (102P)	MCCD 01100 210 2	
C57		CERAMIC 1000pF/1KV.K (102P)	MCCD 01100 210 2	
OTHERS GROUP				
BC1		BEAD CORE BFS3550AOL	MIDB 00001 000 0	4
BC2		BEAD CORE BFS3550AOL	MIDB 00001 000 0	
BC3		BEAD CORE BFS3550AOL	MIDB 00001 000 0	
BC4		BEAD CORE BFS3550AOL	MIDB 00001 000 0	

Ref.No.	Part No.	Part Name	Remarks	New
BD1		BRIDGE DIODE TS10P05G	MDIB 10360 01B 8	1
CN1		CONNECTOR YW369-03AV	MWFS 02579 W00 0	1
CN2		CONNECTOR YW396-04V	MWFS 04539 W00 0	1
CN3		CONNECTOR TUP-P09P-B1	MWFS 09920 W00 0	1
CN4		CONNECTOR TUP-P07P-B1	MWFS 07920 W00 0	1
L1		CHOKE COIL 2.9uH	MID0 00005 000 0	3
L2		CHOKE COIL 2.9uH	MID0 00005 000 0	
L6		CHOKE COIL 2.9uH	MID0 00005 000 0	
L3		CHOKE COIL 15uH	MID0 00004 000 0	4
L4		CHOKE COIL 15uH	MID0 00004 000 0	
L5		CHOKE COIL 15uH	MID0 00004 000 0	
L7		CHOKE COIL 15uH	MID0 00004 000 0	
LF1		LINE FILTER KE-13M	MLFO 00000 010 0	1
LF2		LINE FILTER KE-04M	MLFO 00000 017 0	1
PC1		PHOTO COUPLER H11A817B/ LTV817B	MICH 50005 00B D	6
PC2		PHOTO COUPLER H11A817B/ LTV817B	MICH 50005 00B D	
PC3		PHOTO COUPLER H11A817B/ LTV817B	MICH 50005 00B D	
PC4		PHOTO COUPLER H11A817B/ LTV817B	MICH 50005 00B D	
PC5		PHOTO COUPLER H11A817B/ LTV817B	MICH 50005 00B D	
PC6		PHOTO COUPLER H11A817B/ LTV817B	MICH 50005 00B D	
Q1		TR KSP2222A	MTRN 70006 010 0	2
Q2		TR KSP2222A	MTRN 70006 010 0	
Q3		TR KSC2383	MTRN 16011 02Y 1	1
Q4		TR KSR1004/FJN3304RTA	MTRN 50001 010 0	2
Q5		TR KSR1004/FJN3304RTA	MTRN 50001 010 0	
SCR1		SCR P0102/MCR 100-6	MMCS X0000 100 0	1
T1		TRANSFORMER EER424220(H)	MST0 00000 104 0	1
T2		TRANSFORMER EER2828(V)	MST0 00000 105 0	1
T3		CHOKE COIL EE1625(V)	MST0 00000 103 0	1
TH1		THERMISTOR DSC3D15/NTC3D15	MTHN 0315B M00 0	1
U1		FET SPW11N80C3(800V/11A)	MTRF 80011 130 4	1
U2		IC KA431AZ/FAN431/TL431CLP	MICR 10137 000 0	3
U6		IC KA431AZ/FAN431/TL431CLP	MICR 10137 000 0	
U7		IC KA431AZ/FAN431/TL431CLP	MICR 10137 000 0	
U3		IC KA7915	MICS 10215 000 2	1
U4		IC KA78R15	MICR 10215 000 5	1
U5		IC KA278R09	MICR 20209 000 5	1
VR1		VARISTOR 10D471	MVAD F1047 010 0	1
*		FUSE 217063(6.3A)	MFU8 D2172 502 4	1
*		HEAT SINK	MHSS 34122 435 0	1
*		HEAT SINK	MHSS 50242 835 0	1
*		SCREW M3 * 8	MSCP AMC1M 308 N	1
*		FUSE CLIP FC51F	MFA0 00000 001 0	2
*		EARTH TERMINAL 4É"	MTM9 S0001 000 0	3
*		HEAT SINK	MHSS 95142 835 0	1
*		SCREW M3 * 10	MSCP AMC1M 310 N	1
*		TR BRACKET	MZMT S3000 N00 0	1
*		INSULATION SHEET	MMCI S0000 400 0	2
*		HEAT SINK	MHSS 15052 235 0	3
*		SCREW M3 * 6	MSCP AMC1M 306 N	4

EXPLODED VIEW

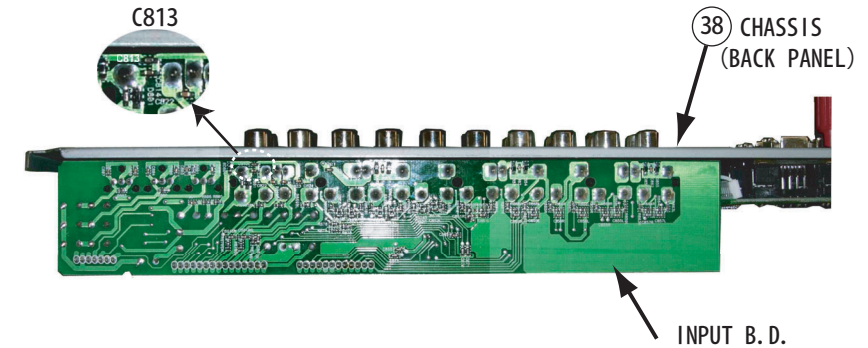
Parts List



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下さい。

CAUTION. ご注意.
バックパネルの分解・組み立てを行なうときは インput基板をはずして作業してください。
(インput基板のコンデンサー C813がメインシャーシに接触して破損する危険があります。)
When you perform disassembly of a BACK PANEL, and an assembly, please work removing an INPUT B.D.
(There is a risk of the capacitor C813 of an INPUT B.D. being contacted and damaged on a main chassis.)



PARTS LIST OF EXPLODED VIEW

Note:The symbols in the cloumn"Remakes"indicate the following destinations..

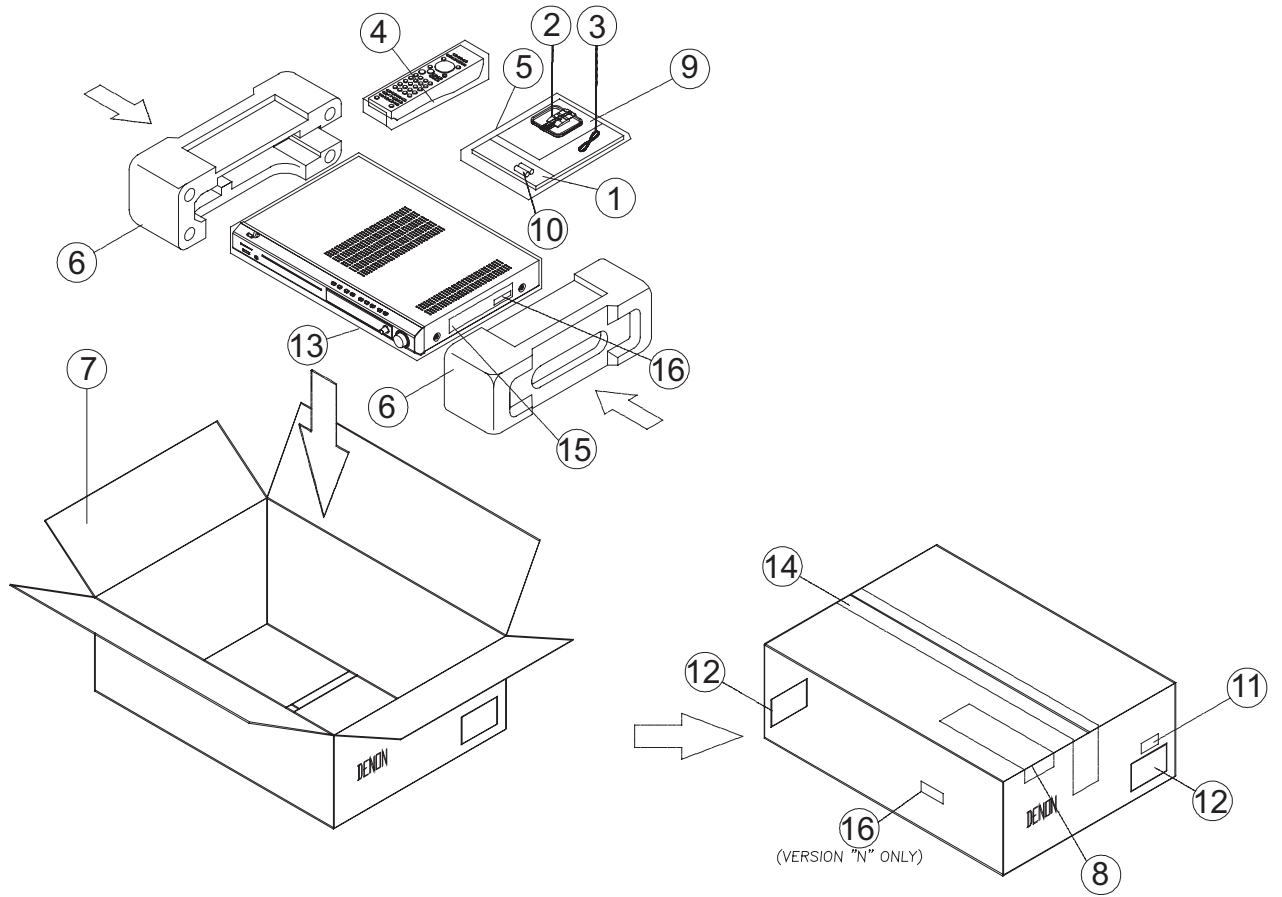
JP : Japan model

E2 : Europe model

Ref.No.	Part No.	Part Name	Remarks	Q'TY
1		KNOB	5080 21100 800 0	1
2		KNOB	5087 21099 800 0	1
3		PANEL	3067 21177 800 0	1
4		WINDOW	5077 21193 300 0	1
5		INDICATOR	5160 21012 300 0	1
6		WINDOW	5070 21195 300 0	1
7		WINDOW	5070 21194 300 0	1
8		FELT	2690 21008 900 0	2
9		PLATE	4470 21069 600 0	1
10		BODY	3417 21012 100 0	1
11		BUTTON	5090 21237 100 0	1
12		INDICATOR	5160 21011 300 0	1
13		GUIDE	4350 21000 100 0	1
14		TER,RCA 2PIN	G601 02016 301 0	2
15		PLATE	4470 21064 600 0	1
16		GUIDE	4350 21015 100 0	1
17		PLATE	4470 21068 600 0	2
18		KNOB	5080 21100 800 0	1
19		SW,TACT	G180 00027 001 0	1
20		LED,ROUND	K500 42600 001 0	1
21		LED,ROUND	K500 05600 006 0	1
22		KNOB	5080 21100 800 0	1
23		LED,ROUND	K500 05200 701 0	1
24		CUSHION	4050 21105 500 0	2
25		SW,ENCODER	G121 12113 001 0	1
26		SW,ENCODER	G121 16120 002 0	1
27		FOOT	4000 21027 100 0	4
28		CHASSIS	3200 21144 600 0	1
29		CUSHION	4050 21107 500 0	4
30		SUPPORTER	4070 00160 101 0	5
31		SUPPORTER	4070 21035 300 0	1
32		GUIDE	4350 21014 100 0	1
33		HOLDER	4320 21047 700 0	6
34		HEAT SINK	2120 21066 800 0	1
35		SHEET	1210 21032 500 0	2
36		CABINET	3000 21047 600 0	1
37		CUSHION	4050 21027 500 0	1
38		CHASSIS	3207 21145 600 0	1
39		STOPPER	4380 04016 201 0	1
40		CORD,AC	L061 00104 001 0	1
41		FELT	2690 04005 701 0	2
42		MODULE	E100 15130 001 0	1
43		MODULE	E100 15130 002 0	1
44		TER,RCA 4PIN	G602 405B0 400 Y	1
45		TER,RCA 4PIN	G602 405BE 180 0	1
46		TER,RCA 6PIN	G603 603B0 500 0	2
47		TUNER,FM/AM	E903 01811 501 0	1
47		TUNER,FM/AM	E903 14115 001 0	1
48		TER,BOARD SCREW 4P	G612 31058 400 0	3
49		JACK,D6.5	G402 04220 000 0	1
50		JACK,DIN	G403 04002 001 0	1

Ref.No.	Part No.	Part Name	Remarks	Q'TY
S1		TER,RCA 2PIN	G601 02016 301 0	2
S2		TER,RCA 1PIN	G600 01000 303 0	1
S3		CN.CATV	L170 00125 001 0	3
S4		SCREW,TAP TITE	B020 03008 4B1 0	7
S2		SCREW,TAP TITE	B020 03008 1F1 0	4
S3		SCREW	1500 00120 601 0	2
S4		SCREW,TAP TITE	B020 03008 4B1 0	4
S5		SCREW,TAP TITE	B020 03008 1W1 0	6
S6		SCREW,TAP TITE	B020 03008 1B1 0	4
S7		SCREW,TAP TITE	B020 03008 3B1 0	4
S8		SCREW,TAP TITE	B020 03010 3B1 1	29
S9		SCREW,TAP TITE	B020 03017 1B1 0	3
S10		SCREW,TAP TITE	B020 03020 1B1 0	2
S11		SCREW,TAPPING	B010 22008 3B1 0	6
S12		SR SCREW/+2S 3*6 ZNY/BH	B020 03006 1B1 0	6
*		CLAMP	4330 04034 301 0	3
*		SCREW,TAPPING ASSY	B018 23014 1H1 1	1
*		CLAMP	4330 00031 000 0	1
*		CABLE,FLAT CARD	N712 17254 481 0	1
*		CABLE,FLAT CARD	N712 13603 481 0	1
*		PANEL ASSY	3068 21177 800 0	1
*		POWER TRANS ASSY	8208 00065 001 0	1
*		BUTTON	5090 21238 100 0	1
*		TAPE	A710 00014 000 0	0.16
*		SCREW,TAP TITE	B020 03010 1B1 0	17
*		TAPE	1220 21005 902 0	2
		BUSHING	2410 04035 301 0	12
		PANEL AL	3067 21177 800 0	12
		PANEL AL	3067 21177 801 0	1
		CHASSIS BACK	3207 21145 600 0	1
		CHASSIS BACK	3207 21145 610 0	1
		STOPPER	4380 04016 201 0	1
		STOPPER	4380 04017 201 0	1
		SCREW 2*8	B010 22008 3B1 0	1
		TER, RCA 9PIN	G607 90501 Y00 0	1
		CN.CATV	L170 00125 001 0	1

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。

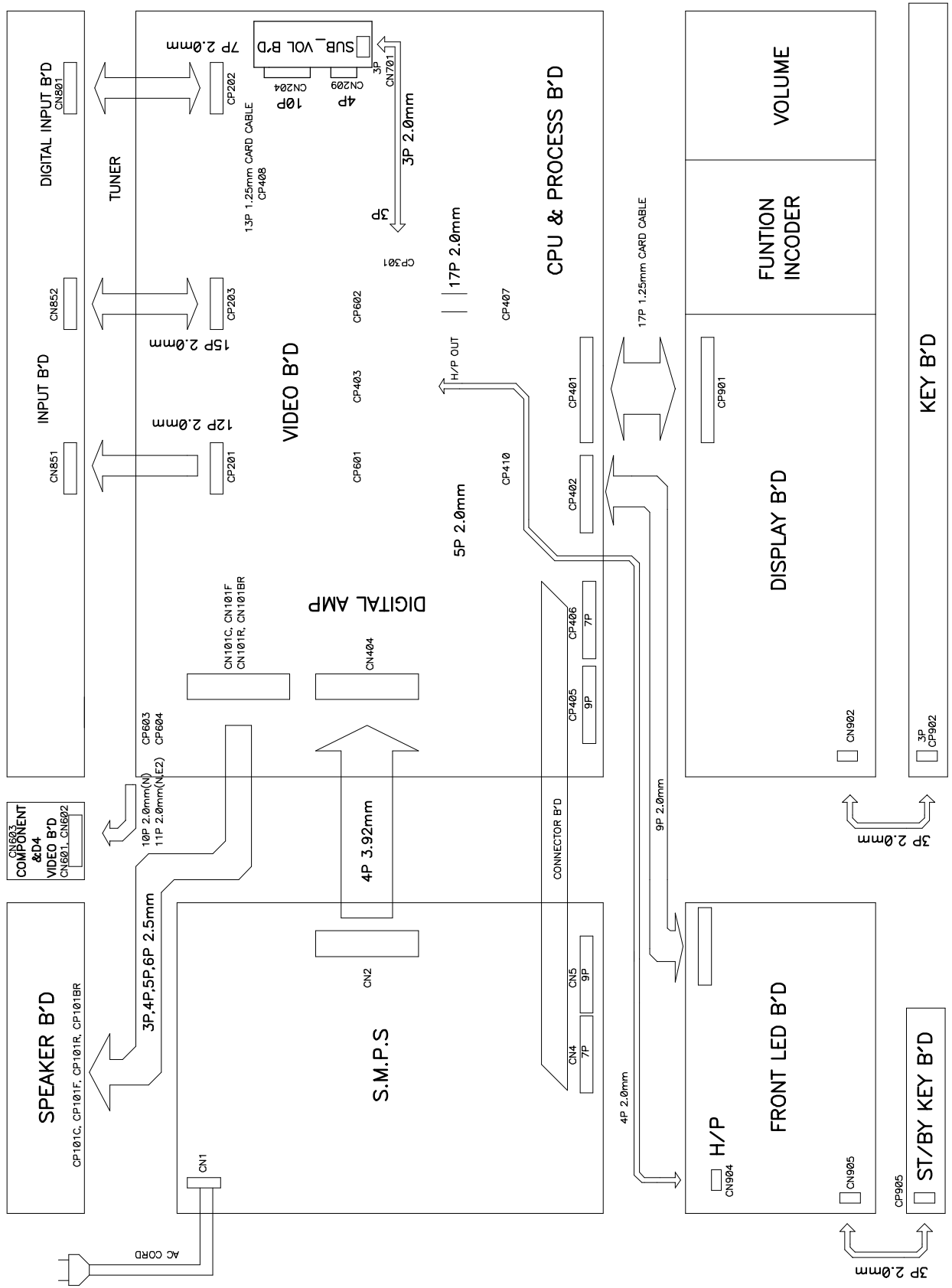
Note:The symbols in the cloumn"Remakes"indicate the following destinations..

JP : Japan model

E2 : Europe model


Ref.No.	Part No.	Part Name	Remarks	New	
1		INSTRUCTION MANUAL	5707 21057 005 0	For JP	
1		INSTRUCTION MANUAL	5707 21057 006 0	For E2	
2		AM ANTENNA WIRE	E601 01800 000 0		
3		FM ANTENNA WIRE	E605 00003 001 0		
4		REMOTE COMTROL	8300 96500 001 0	For JP	
5		POLY BAG	6337 00024 001 0		
6		CUSHION SNOW L/R	6230 21098 400 0		
7		BOX GIFT	6008 21066 000 0	For JP	
7		BOX GIFT	6007 21066 001 0	For E2	
8		CARD WARRANTY	5727 00113 003 0	For JP	
9		CARD S.S LIST	5777 00162 001 6	For E2	
10		BATTERY DRY	G670 001R5 001 0	For JP	
11		POS LABEL	5507 00234 064 0	For JP	
12		LEVEL CONTROL			
13		POLLY BAG SET	6330 21001 900 0		
14		TAPE PACKING	1220 04022 201 0		
15		RATING LEVEL	5507 03000 038 0	For JP	
15		RATING LEVEL	5507 03000 039 0	For E2	
16		SERIAL LABEL	5507 00200 007 0	For JP	

LEVEL DIAGRAM



NOTE FOR SCHEMATIC DIAGRAM

WARNING:

Parts marked with this symbol  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.

 SIGNAL LINE

配線図について

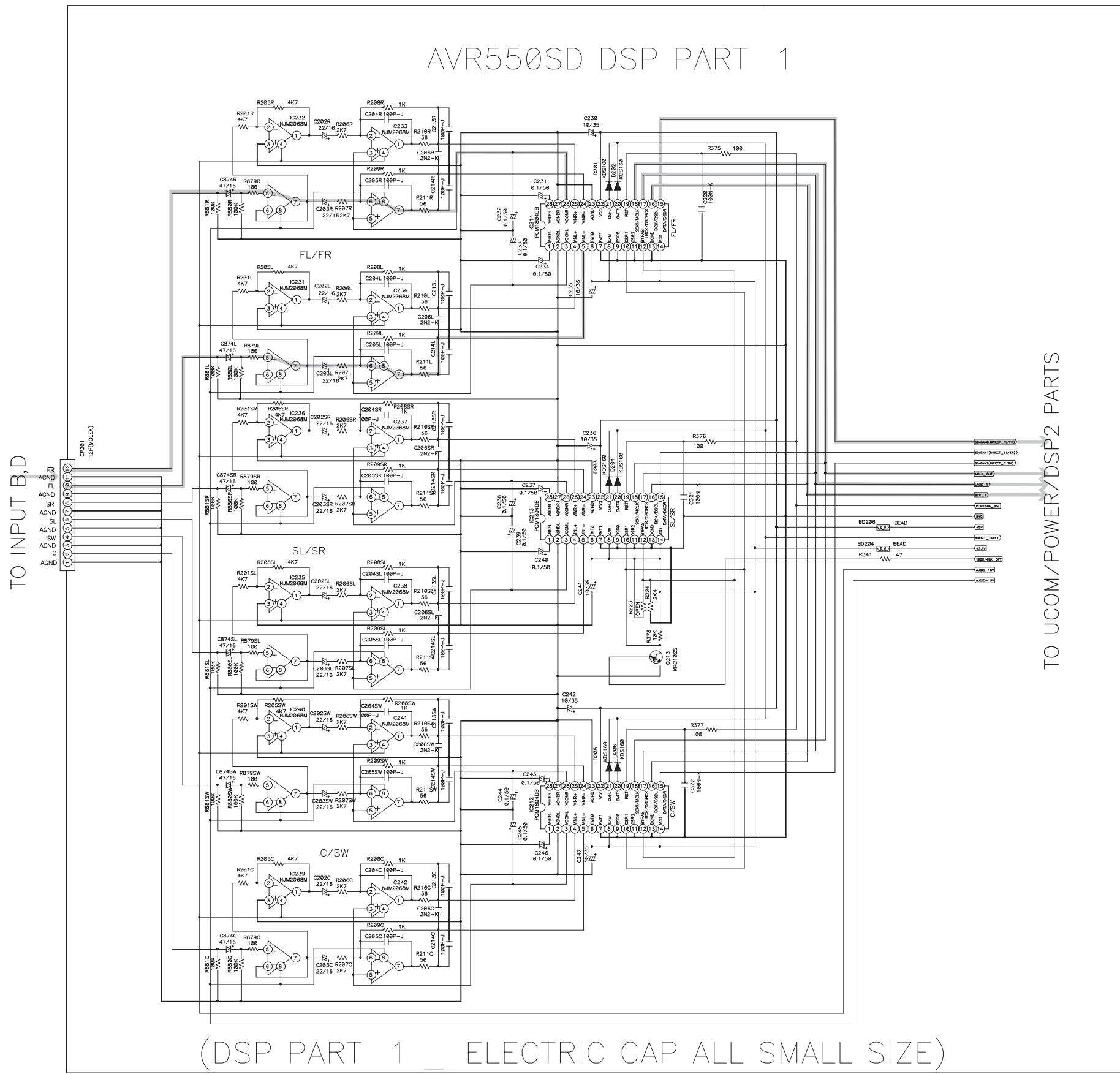
印の部品は安全を維持するために重要な部品です。従って交換時は必ず指定の部品を使用してください。

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。

 SIGNAL LINE

1 2 3 4 5 6 7 8 9 10 11



TO INPUT B,D

TO UCOM/POWER/DSP2 PARTS

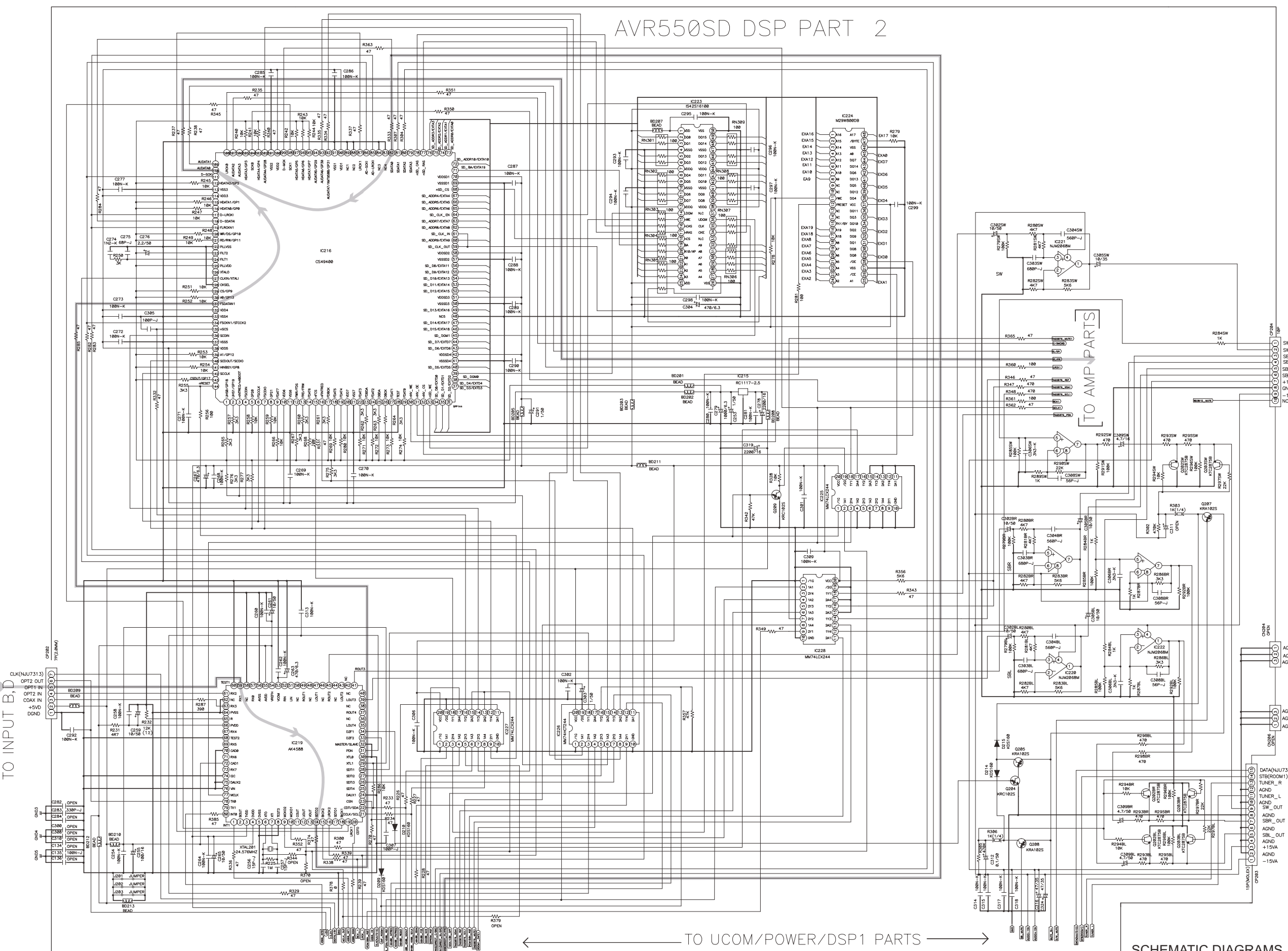
(DSP PART 1 _ ELECTRIC CAP ALL SMALL SIZE)

A
B
C
D
E
F
G
H

1 2 3 4 5 6 7 8 9 10 11

AVR550SD DSP PART 2

A
B
C
D
E
F
G
H



TO INPUT B,D

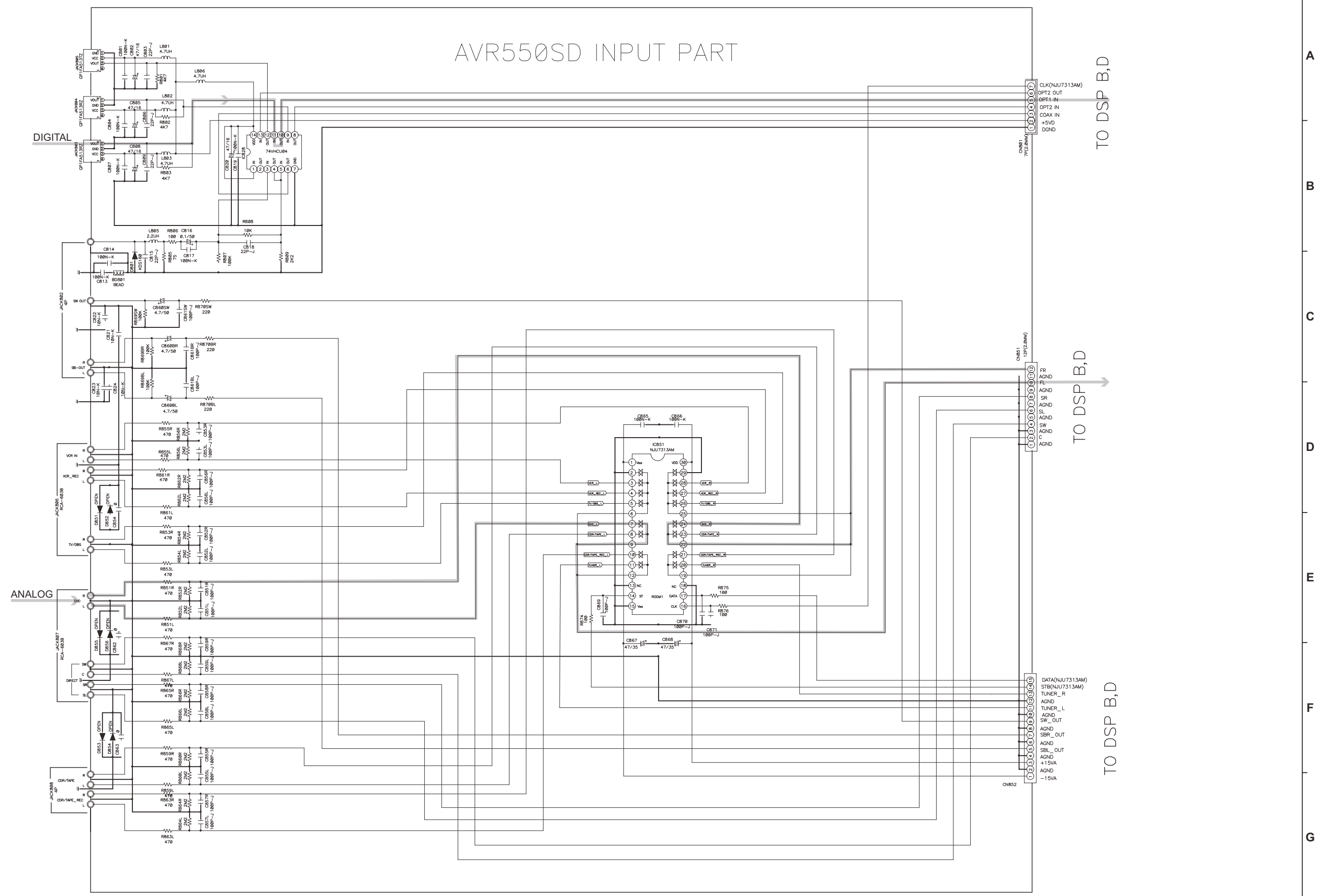
TO INPUT B,D

TO UCOM/POWER/DSP1 PARTS

TO AMP PARTS

SCHEMATIC DIAGRAMS DSP2 UNIT

1 2 3 4 5 6 7 8 9 10 11



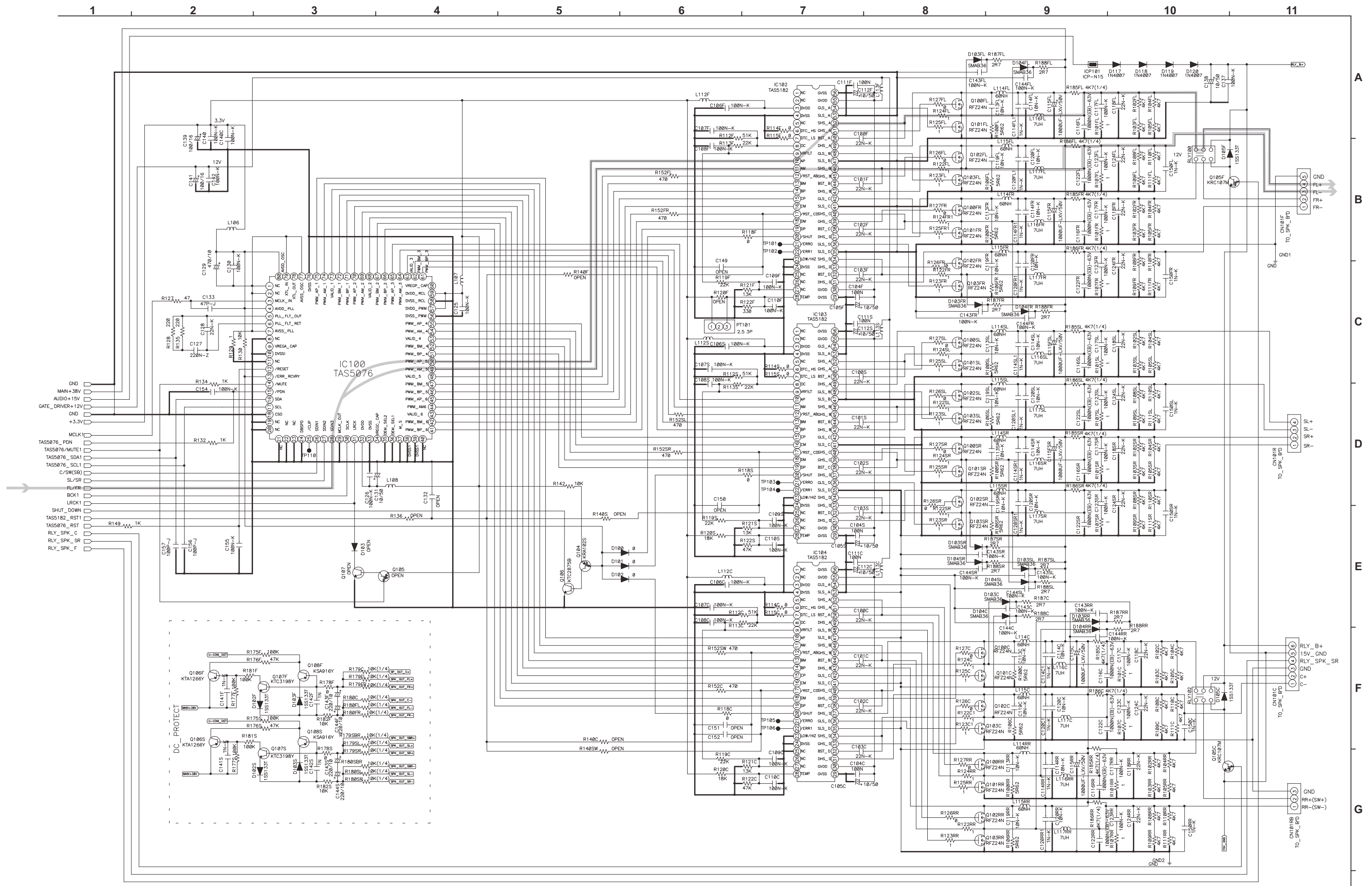
AVR550SD INPUT PART

TO DSP B,D

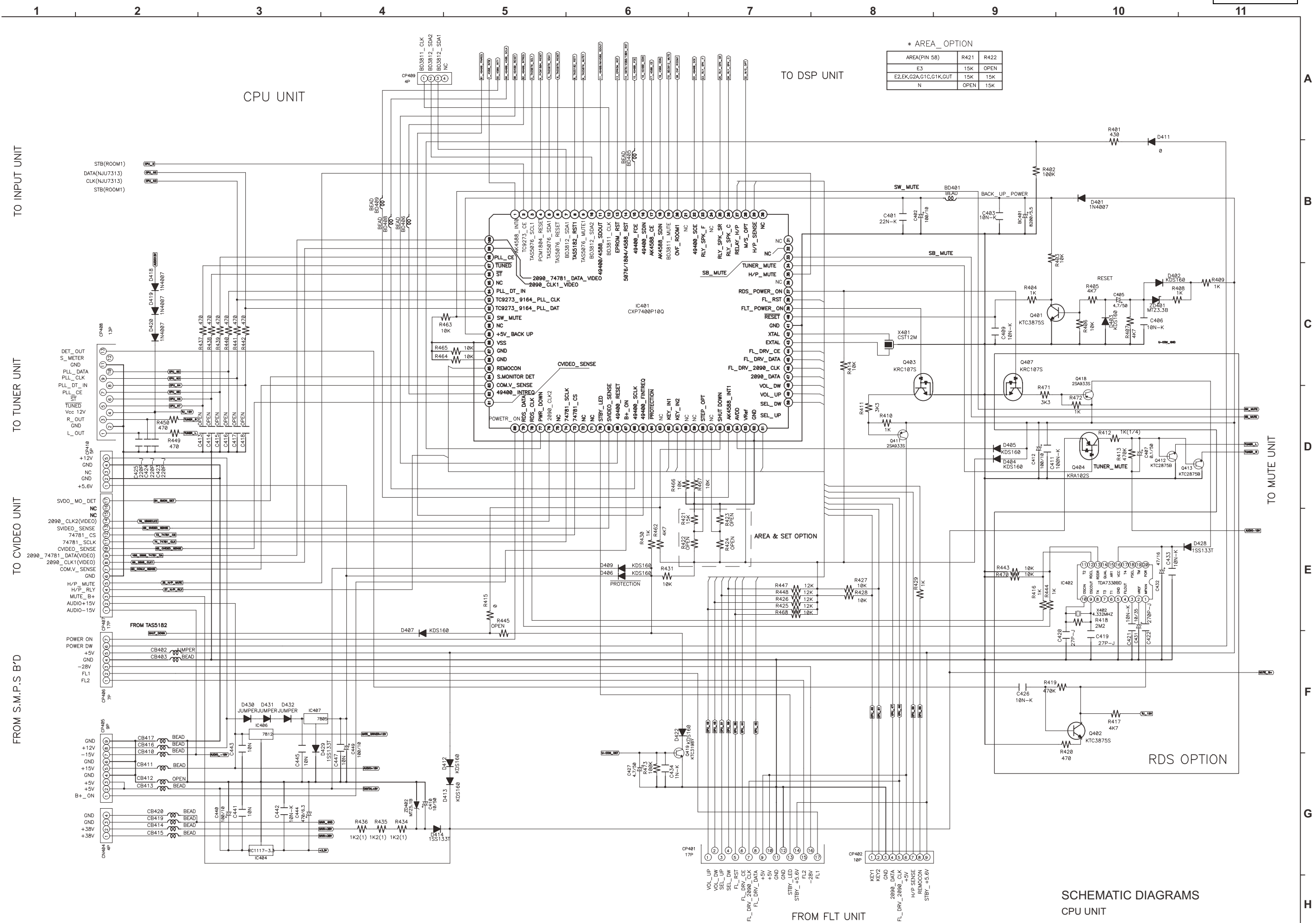
TO DSP B,D

TO DSP B,D

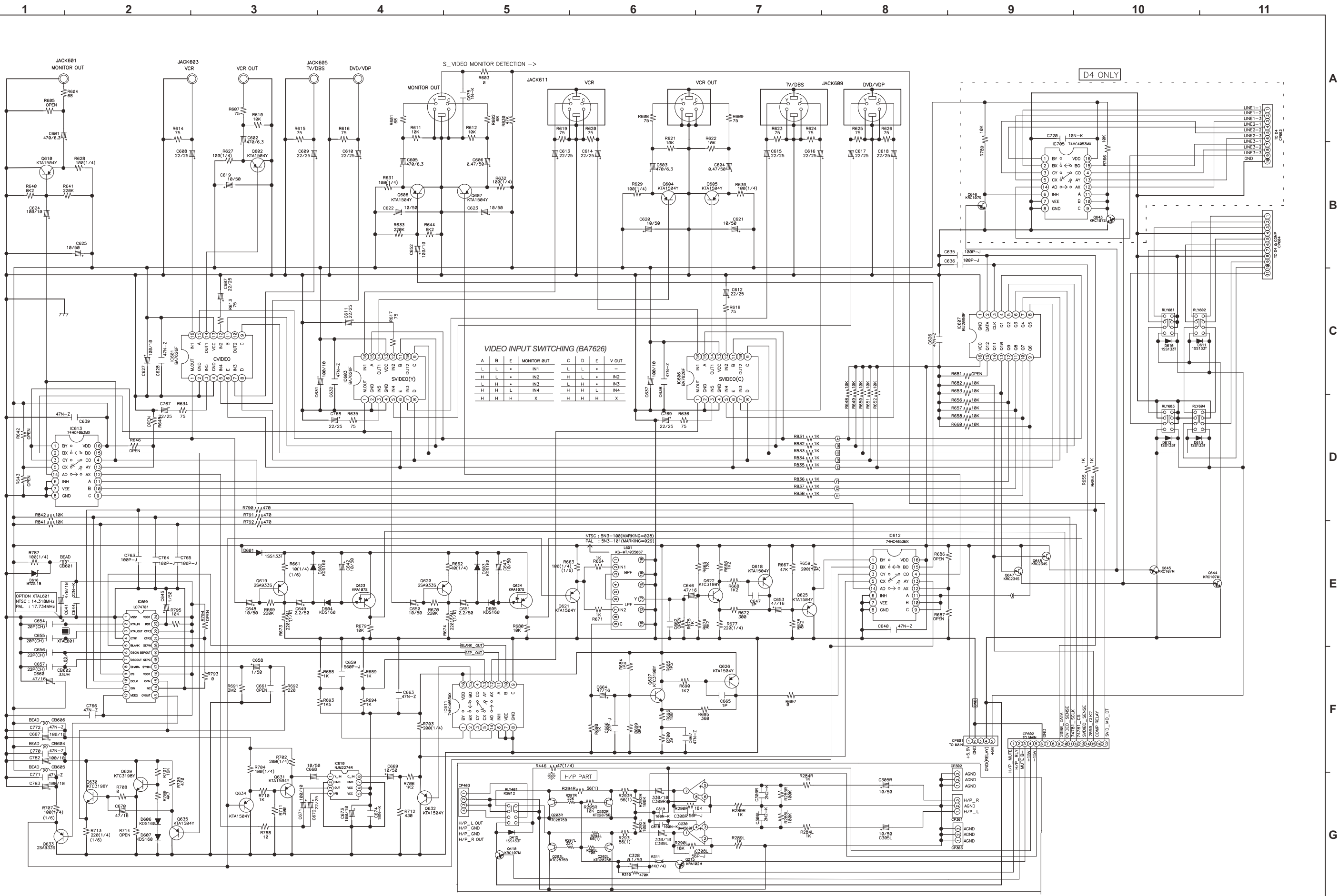
SCHEMATIC DIAGRAMS INPUT UNIT



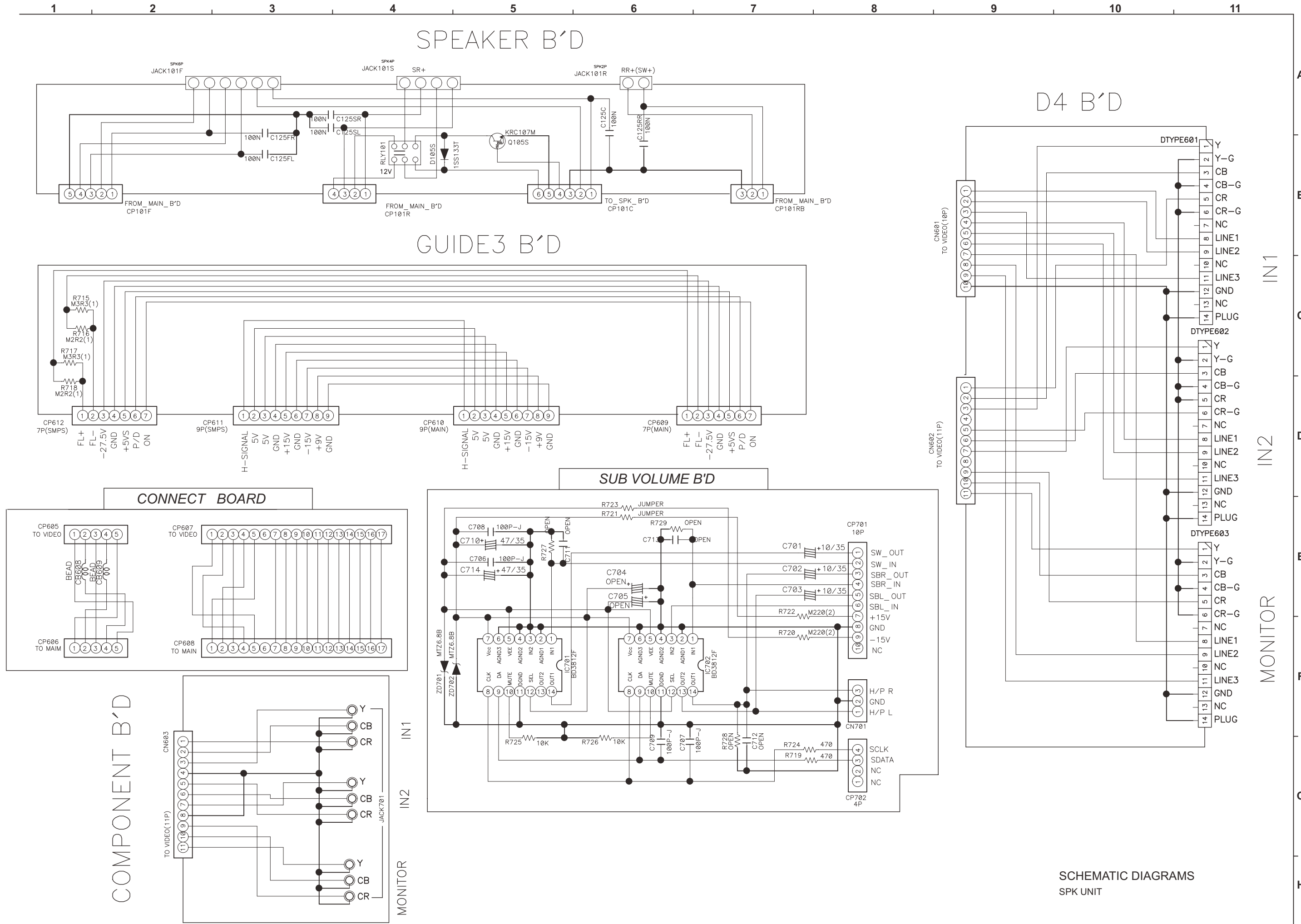
SCHEMATIC DIAGRAMS
AMP UNIT



SCHEMATIC DIAGRAMS CPU UNIT

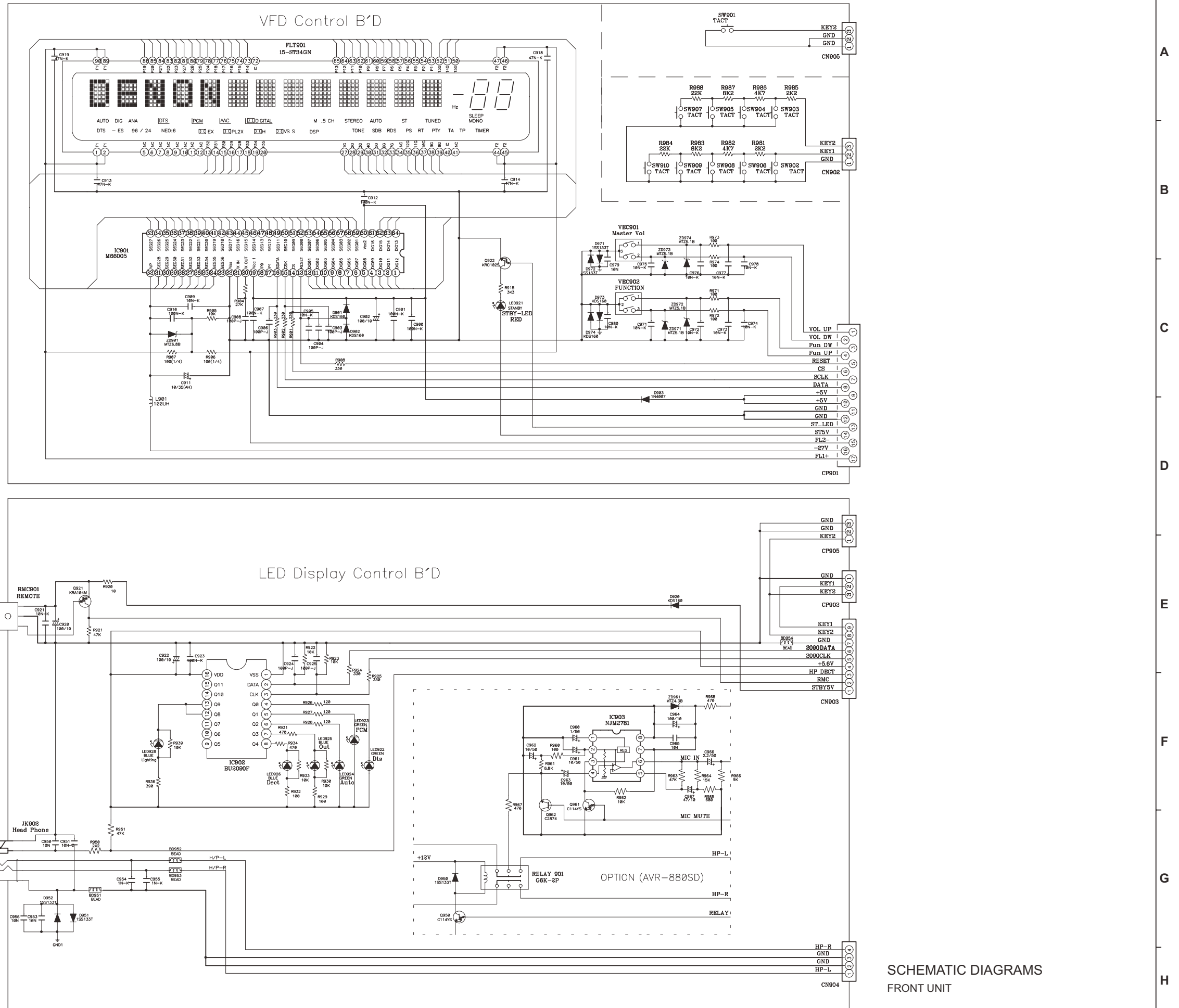


SCHEMATIC DIAGRAMS
VIDEO UNIT

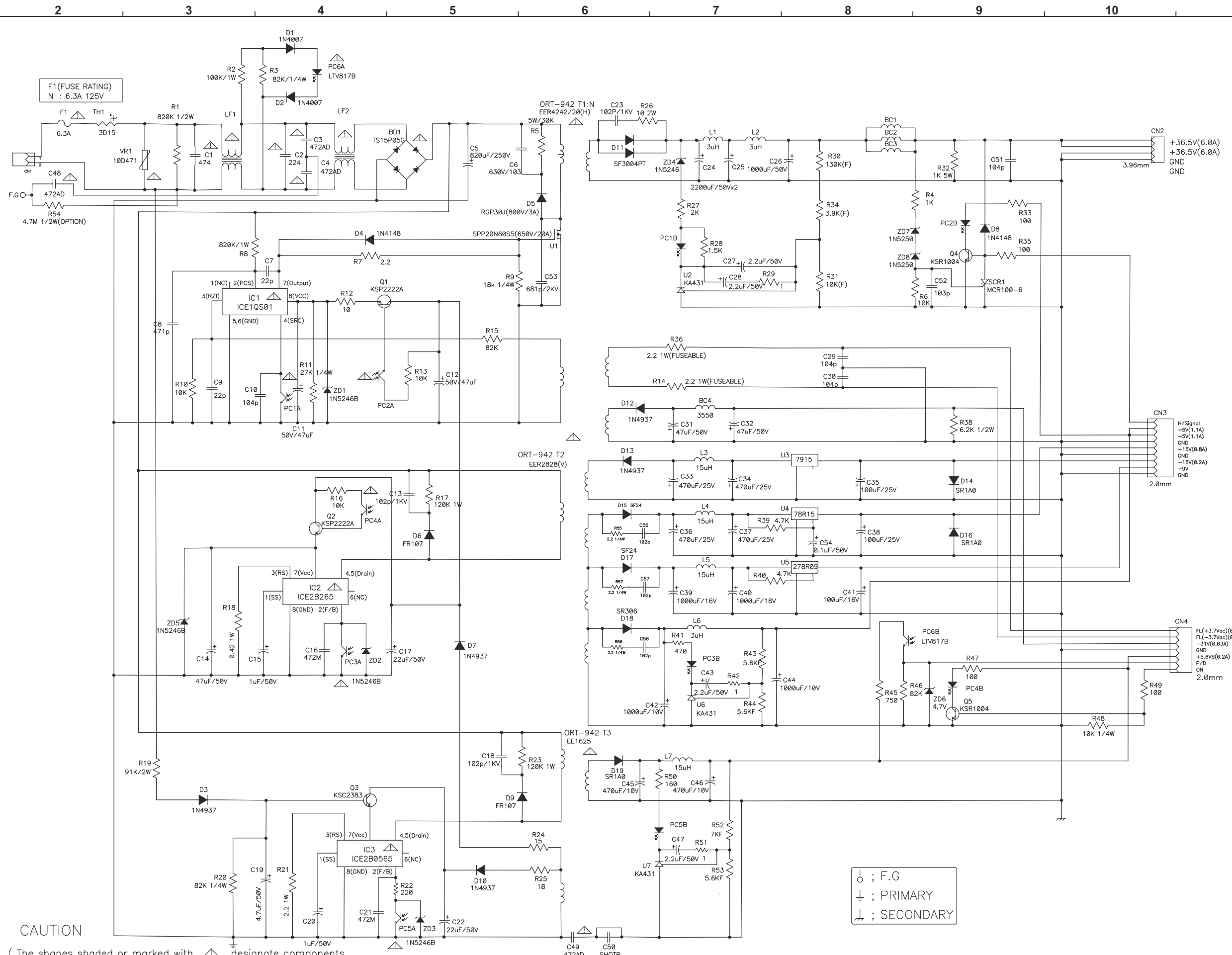


SCHEMATIC DIAGRAMS
SPK UNIT

1 2 3 4 5 6 7 8 9 10 11



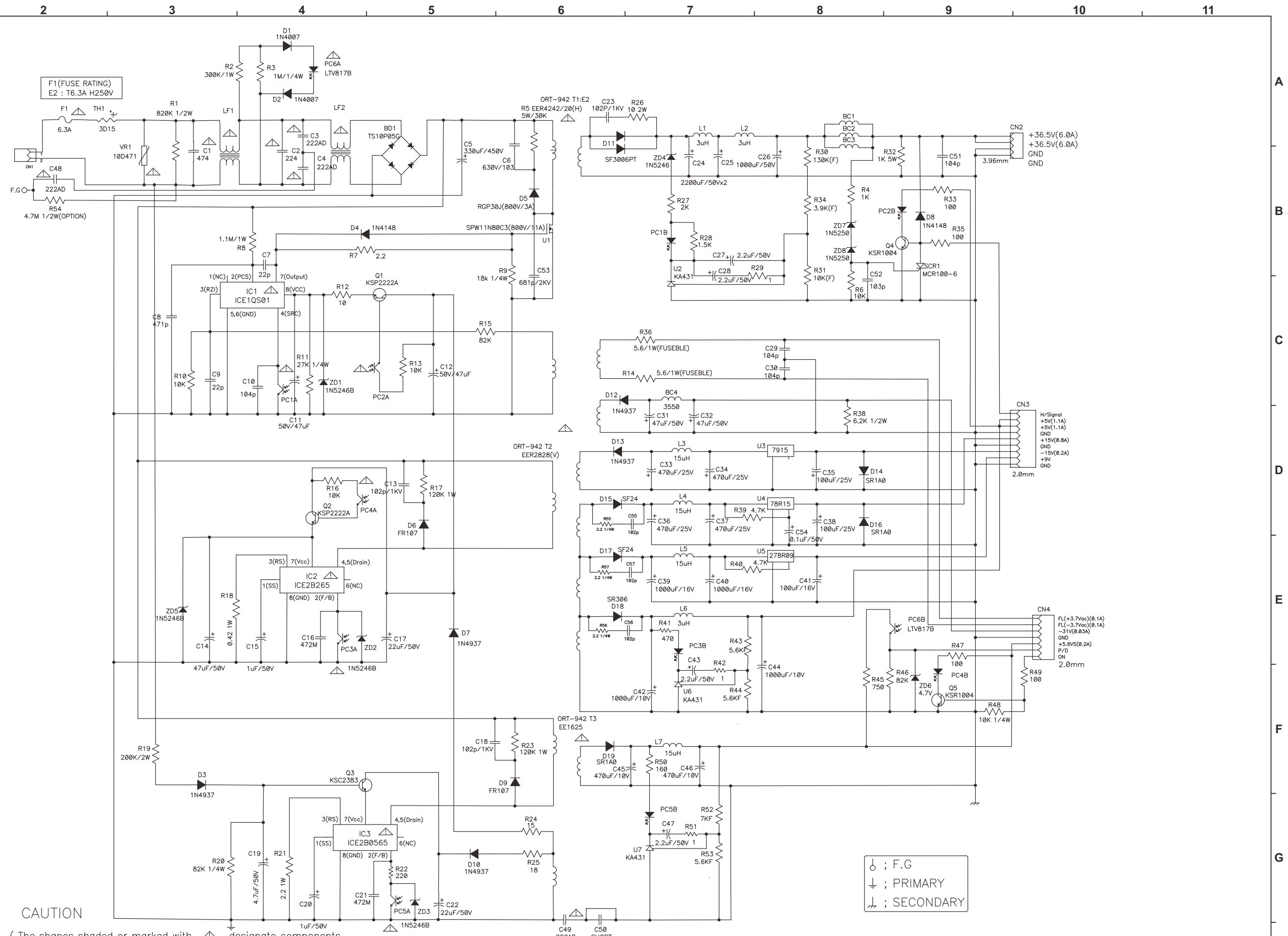
SCHEMATIC DIAGRAMS FRONT UNIT



CAUTION
 (The shapes shaded or marked with \triangle designate components which have special characteristics important for safety.)

\circ ; F.G
 \triangle ; PRIMARY
 ∇ ; SECONDARY

SCHEMATIC DIAGRAMS
 SMPS UNIT (For JP model)



CAUTION
 (The shapes shaded or marked with designate components which have special characteristics important for safety.)

SCHEMATIC DIAGRAMS
 SMPS UNIT (For E2 model)