

DENON

For Europe & U.K. model

Ver. 2

Please refer to the
MODIFICATION NOTICE.

SERVICE MANUAL

MODEL DRA-700AE

DRA-700AEDAB

DRA-500AE

AM-FM STEREO RECEIVER

注意

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

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

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

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

● 修理の際は、必ず取扱説明書を参照の上、作業を行ってください。

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

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

DENON

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

SAFETY PRECAUTIONS

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

LEAKAGE CURRENT CHECK

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

CAUTION Please heed the points listed below during servicing and inspection.

◎ Heed the cautions!

Spots requiring particular attention when servicing, such as the cabinet, parts, chassis, etc., have cautions indicated on labels or seals. Be sure to heed these cautions and the cautions indicated in the handling instructions.

◎ Caution concerning electric shock!


(1) An AC voltage is impressed on this set, so touching internal metal parts when the set is energized could cause electric shock. Take care to avoid electric shock, by for example using an isolating transformer and gloves when servicing while the set is energized, unplugging the power cord when replacing parts, etc.

(2) There are high voltage parts inside. Handle with extra care when the set is energized.

◎ Caution concerning disassembly and assembly!

Though great care is taken when manufacturing parts from sheet metal, there may in some rare cases be burrs on the edges of parts which could cause injury if fingers are moved across them. Use gloves to protect your hands.

◎ Only use designated parts!

The set's parts have specific safety properties (fire resistance, voltage resistance, etc.). For replacement parts, be sure to use parts which have the same properties. In particular, for the important safety parts that are marked  on wiring diagrams and parts lists, be sure to use the designated parts.

◎ Be sure to mount parts and arrange the wires as they were originally!

For safety reasons, some parts use tape, tubes or other insulating materials, and some parts are mounted away from the surface of printed circuit boards. Care is also taken with the positions of the wires inside and clamps are used to keep wires away from heating and high voltage parts, so be sure to set everything back as it was originally.

◎ Inspect for safety after servicing!


Check that all screws, parts and wires removed or disconnected for servicing have been put back in their original positions, inspect that no parts around the area that has been serviced have been negatively affected, conduct an insulation check on the external metal connectors and between the blades of the power plug, and otherwise check that safety is ensured.

(Insulation check procedure)

Unplug the power cord from the power outlet, disconnect the antenna, plugs, etc., and turn the power switch on. Using a 500V insulation resistance tester, check that the insulation resistance between the terminals of the power plug and the externally exposed metal parts (antenna terminal, headphones terminal, microphone terminal, input terminal, etc.) is 1MΩ or greater. If it is less, the set must be inspected and repaired.

CAUTION Concerning important safety parts

Many of the electric and structural parts used in the set have special safety properties. In most cases these properties are difficult to distinguish by sight, and using replacement parts with higher ratings (rated power and withstand voltage) does not necessarily guarantee that safety performance will be preserved. Parts with safety properties are indicated as shown below on the wiring diagrams and parts lists in this service manual. Be sure to replace them with parts with the designated part number.

(1) Schematic diagrams ... Indicated by the  mark.

(2) Parts lists ... Indicated by the  mark.

Using parts other than the designated parts could result in electric shock, fires or other dangerous situations.

注意 サービス、点検時にはつぎ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。

◎ 分解、組み立て作業時のご注意！

板金部品の端面の『バリ』は、部品製造時に充分管理をしておりますが、板金端面は鋭利となっている箇所がありますので、部品端面に触れたまま指を動かすとまれに怪我をする場合がありますので十分注意して作業して下さい。手の保護のために手袋を着用して下さい。

◎ 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下さい。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下さい。

◎ 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 1 MΩ 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ことは、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、部品表につぎ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。

ADJUSTMENT

Idling Current

Required measurement equipment: DC Voltmeter

1. Preparation

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

2. Adjustment

- (1) Remove top cover and set VR501FL, VR501FR on MAIN Unit at fully counterclockwise (◯) position.
- (2) Connect DC Voltmeter to test points (FRONT-Lch: TP501, FRONT-Rch: TP502).
- (3) Connect power cord to AC Line, and turn power switch "ON".
- (4) Presetting.
 MASTER VOLUME : "----" counterclockwise (◯ min.)
 MODE : TONE DEFEAT
 FUNCTION : CD
- (5) Within 2 minutes after the power on, turn VR501FL clockwise (◯) to adjust the TEST POINT voltage to 1.5 mV \pm 0.5 mV DC.
- (6) After 10 minutes from the preset above, turn VR501FL to set the voltage to 2.0 mV \pm 0.5 mV DC.
- (7) Adjust the Variable Resistors of other channels in the same way.

調整

アイドリング電流の調整

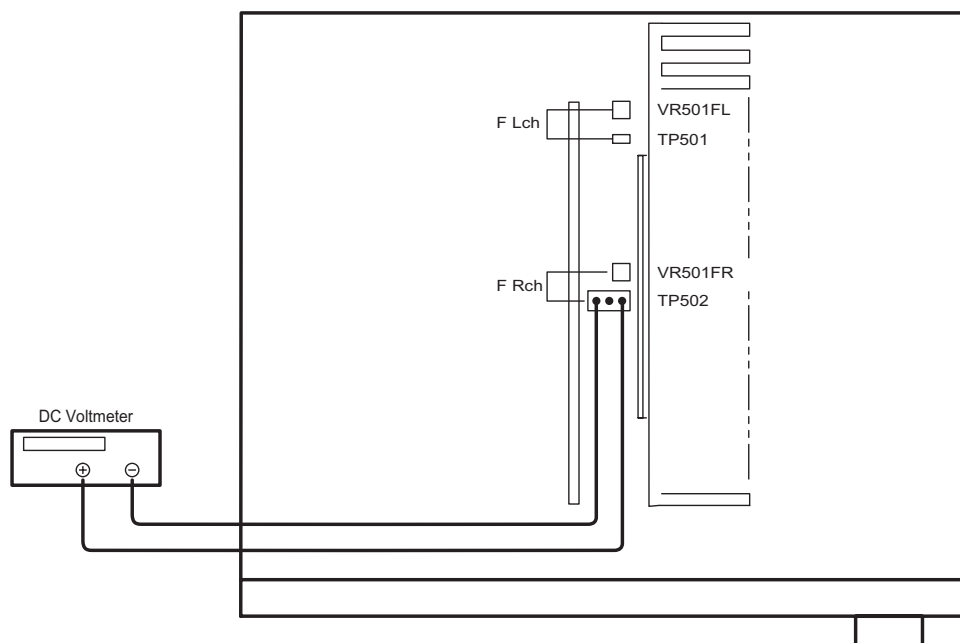
調整に必要な測定器： DC Voltmeter

1. 準備

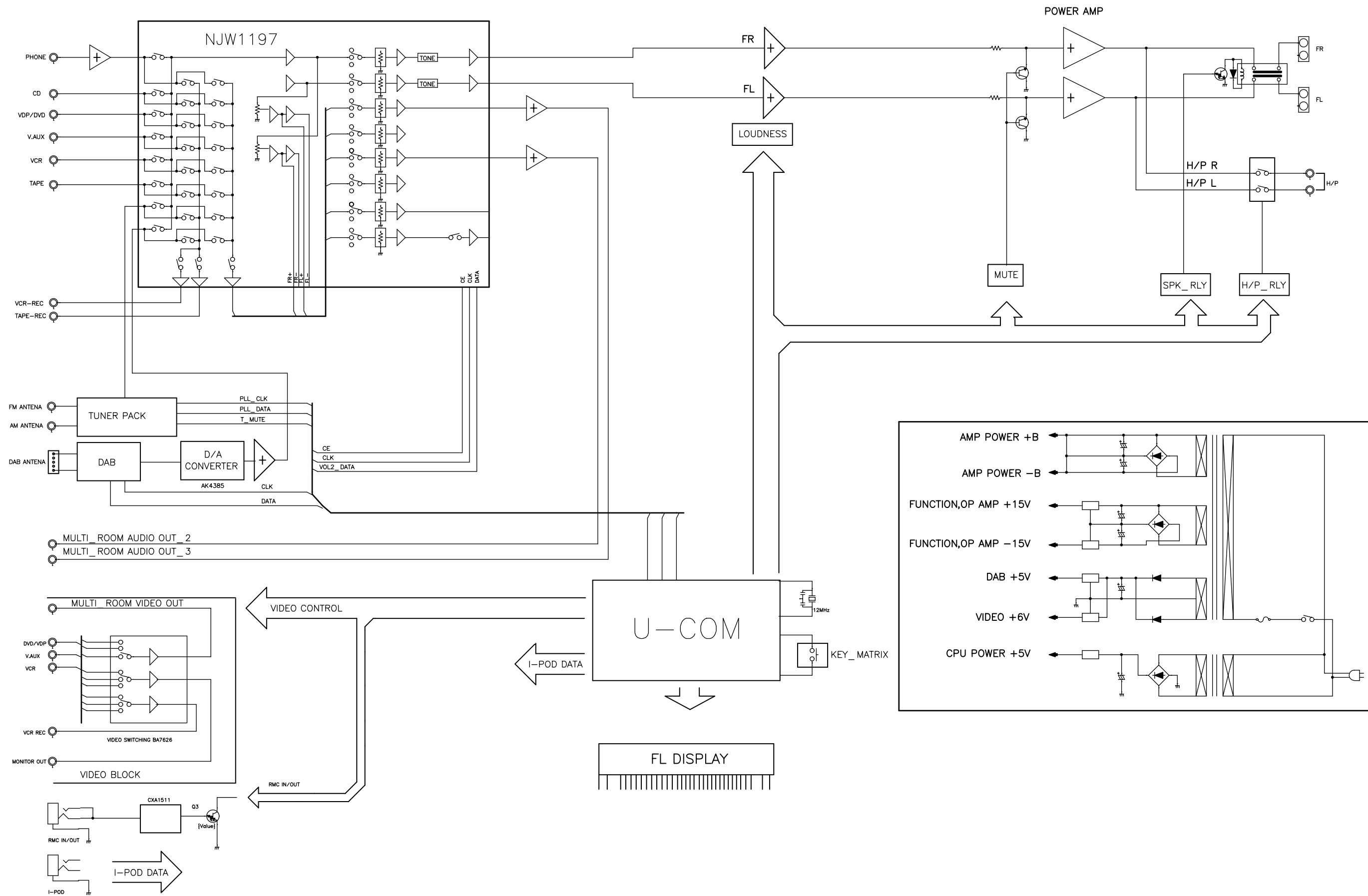
- (1) セットをクーラ、扇風機のそばなど風通しの良い場所を避け、通常の使用状態に置きます。セットの周囲温度は 15 ~ 30 °C、湿度は常湿とします。
- (2) プリセット
 - 電源スイッチ OFF
 - スピーカ端子 無負荷
(スピーカ・ダミー抵抗器などを接続しない。)

2. 調整

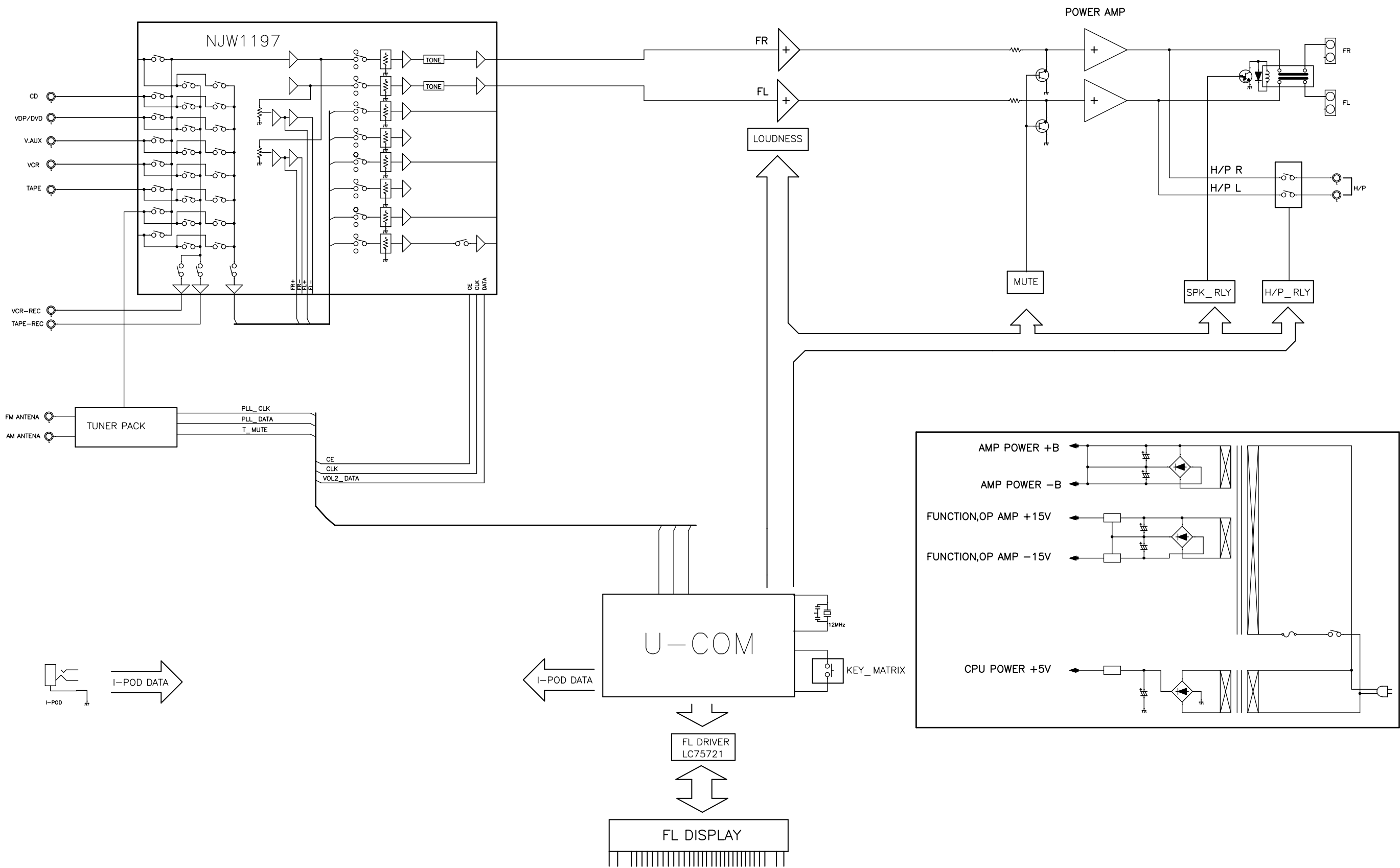
- (1) 上カバーをはずし、メイン基板の VR501FL, VR501FR を反時計方向 (◯) に回し切った状態にセットします。
- (2) テストポイント (FRONT-Lch: TP501, FRONT-Rch: TP502) に DC Voltmeter を接続します。
- (3) 電源コードを接続し、電源スイッチを "ON" にします。
- (4) ON 後、次のようにセットします。
 - MASTER VOLUME (音量調節つまみ) → 反時計方向 (◯) に回す、最小の状態にする。
 - SPEAKER (スピーカ端子) → 無負荷 (スピーカ、ダミー抵抗器などを接続しない。)
 MODE : TONE DEFEAT
 FUNCTION : CD
- (5) 2分以内に VR501FL を時計方向 (◯) に回しテストポイントの電圧を次のように調整します。
1.5mV \pm 0.5mV DC
- (6) 予備調整から 10 分後 VR501FL を回し、次のように電圧を設定します。
2.0mV \pm 0.5mV DC
- (7) 同じ方法で各チャンネルの可変抵抗を調整します。



BLOCK DIAGRAM
DRA-700AE/700AEDAB model



DRA-500AE model



LEVEL DIAGRAM

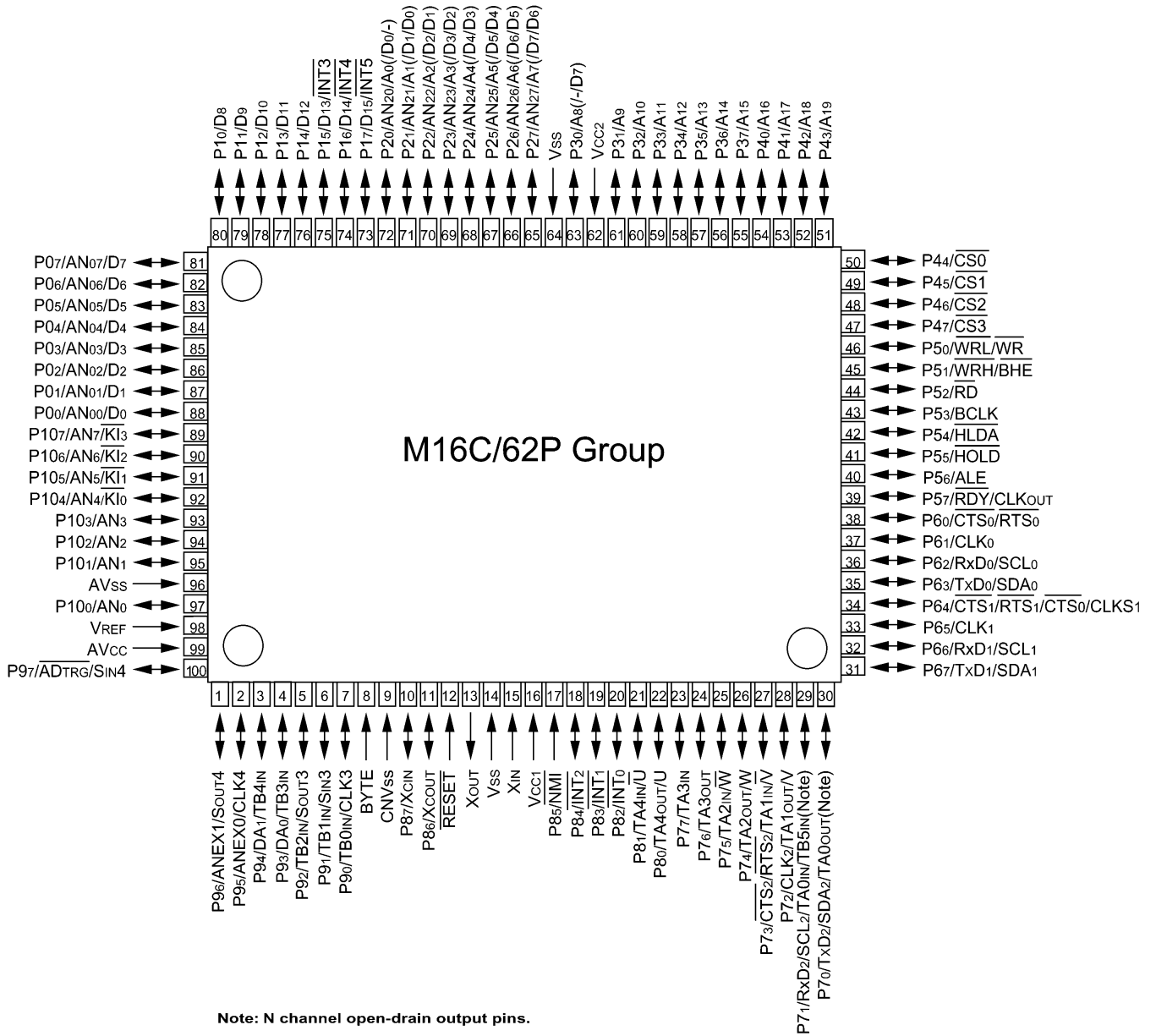


SEMICONDUCTORS

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

M30624FGPFG (IC401) FRONT P.W.B.



M30624FGPFG Terminal Function

PIN No.	Port Function	Port Name	I/O		Function
			P-ON	Standby	
1	P96	SIRIUS_TX	O	O/L	SIRIUS data transmission
2	P95	SIRIUS MUTE	O	O/L	SIRIUS MUTE control
3	P94	(HD CE)	O	O/L	HD Radio enable output
4	P93	MULT3 SW	O	O/L	ZONE3 output, HPFcontrol
5	P92	HD Radio TX/(SDA)	O	O/L	HD Radio data transmission
6	P91	HD Radio RX/(SCL)	I	I	HD Radio Data reception
7	P90	(HD CLK)	O	O/L	HD Radio clock output
8	BYTE		I	-	Ext. data bus bit width switching
9	CNVSS		I	-	Processor mode switching
10	P87, XCIN	(HD RESET)	O	O/L	HD Radio reset output
11	P86, XCOU	FLT_RESET	O	O/L	FLT reset output
12	/RESET		I	-	Hard reset
13	XOUT		O	-	Oscillator connection
14	VSS		I	-	GND
15	XIN		I	-	Oscillator connection
16	VCC1		I	-	5V
17	P85	NMI	I	-	NMI interruption input
18	P84, /INT2	RS232C_TX	I	I	RS232C signal detection
19	P83, /INT1	REMOCON	I	I	Remote control input
20	P82, /INT0	PROTECTION	I	I	Unusual operation detection
21	P81	FLT_CLK	O	O/L	FLT clock output
22	P80	FLT_DATA	O	O/L	FLT data output
23	P77	FLT_CE1	O	O/L	FLT chip select output
24	P76	SPK_RLY_A	O	O/L	Speaker A Relay control
25	P75	CPU_5V_SW	O	O/L	CPU 5V control
26	P74	SPK_RLY_B	O	O/L	Speaker B Relay control
27	P73	(NC)		O/L	
28	P72, CLK2	iPod_DET	I	I	iPod connection detection
29	P71, RXD2/SCL2	iPod_RX	I	I	iPod data reception
30	P70, TXD2/SDA2	iPod_TX	O	O/L	iPod data transmission
31	P67, TXD1/SDA1	RS232C_TX	O	O/L	RS232C data reception
32	P66, RXD1/SCL1	RS232C_RX	I	I	RS232C data reception
33	P65, CLK1	PLL_DI	I	I	PLL data input
34	P64	PLL_DO/XM-DAC_DO	O	O/L	PLL/XM-DAC data output
35	P63, TxD0/SDA0	XM_TX	O	O/L	XM data transmission
36	P62, RXD0/SCL0	XM_RX	I	I	XM data reception
37	P61, CLK0	PLL_CLK/XM-DAC_CLK	O	O/L	PLL/XM-DAC clock output
38	P60	PLL_CE	O	O/L	PLL enable output
39	P57	/TUNED	I	I	TUNED detection
40	P56	/STEREO	I	I	STEREO broadcast detection
41	P55	RS232C_UPDATE_EPM			
42	P54	VOL_UP	I	I	Volume encoder input
43	P53	VOL_DOWN	I	I	Volume encoder input
44	P52	SELECT_DOWN	I	I	Select encoder input
45	P51	SELECT_UP	I	I	Select encoder input
46	P50	RS232C_UPDATE_CE	O	O/L	
47	P47	DC TRIGGER_2ON	O	O/L	Trigger Out2 ON/OFF control
48	P46	FUNCTION_UP	I	I	Function encoder input
49	P45	TUNER MUTE	O	O/L	TUNER MUTE control
50	P44	E2PROM_SCL	O	O/L	E2P Clock output
51	P43	E2PROM_SDA	I/O	O/L	E2PROM data transmission and reception
52	P42	ZONE3_MUTE	O	O/L	ZONE3 MUTE control
53	P41	ZONE2_MUTE	O	O/L	ZONE2 MUTE control
54	P40	STBY LED_RED	O	O/L	Standby LED(R) control

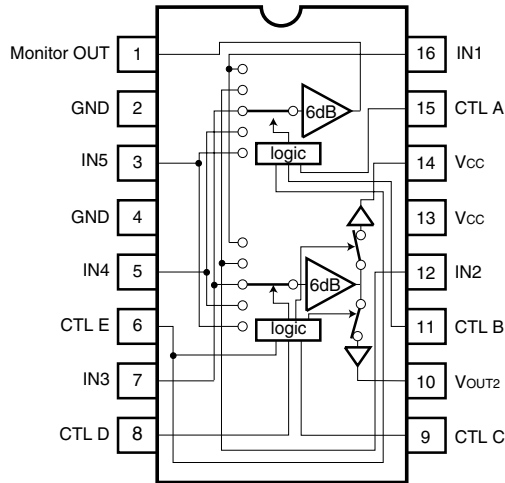
PIN No.	Port Function	Port Name	I/O		Function
			P-ON	Standby	
55	P37	HD Radio MUTE	O	O/L	HD Radio MUTE control
56	P36	DC TRIGGER 1	O	O/L	Trigger Out1 ON/OFF control
57	P35	H/P RELAY	O	O/L	H/P Relay control
58	P34	SW_MUTE	O	O/L	SW MUTE control
59	P33	VIDEO OFF	O	O/L	VIDEO Reg control
60	P32	HD Radio DET	I	I	HD Radio Installing detection
61	P31	HD Radio P/E	O	O/L	HD Radio power supply control
62	VCC2		I	-	5V
63	P30	(NC)			
64	VSS		I	-	GND
65	P27	XM_DBPOWER	O	O/L	XM Reg control
66	P26	XM_DIC_RESET	O	O/L	XM DIC reset output
67	P25	XM_DAC_PDN	O	O/L	XM DAC reset reset output
68	P24	XM_COMMAND	O	O/L	XM DIC CBM output
69	P23	XM_REQ	I	I	XM DIC Interrupt request
70	P22	H/P DET	I	I	H/P connection detection
71	P21	POWER RELAY	O	O/L	POWER RELAY control
72	P20	FUNCTION_DOWN	I	I	Function encoder input
73	P17, /INT5	POWER DOWN	I	I	CPU 5.6V detection
74	P16, /INT4	LOUDNESS ON	O	O/L	LOUDNESS ON/OFF control
75	P15, /INT3	POWER	I	I	POWER Key input detection
76	P14	MULT2 SW	O	O/L	ZONE3 output, HPF control
77	P13	STBY_LED_GREEN	O	O/L	Standby LED(G) control
78	P12	NJW1197W_LATCH	O	O/L	NJW1197 latch output
79	P11	NJW1197W_CLK	O	O/L	NJW1197 Clock output
80	P10	NJW1197W_DATA	O	O/L	NJW1197 data output
81	P07	MAIN_MUTE	O	O/L	MAIN MUTE control
82	P06	VIDEO_A	O	O/L	VIDEO output control
83	P05	VIDEO_B	O	O/L	VIDEO output control
84	P04	VIDEO_C	O	O/L	VIDEO output control
85	P03	VIDEO_D	O	O/L	VIDEO output control
86	P02	VIDEO_E	O	O/L	VIDEO output control
87	P01	ZONE2_VIDEO_MUTE	O	O/L	ZONE2 VIDEO MUTE control
88	P00	ZONE3_VIDEO_MUTE	O	O/L	ZONE3 VIDEO MUTE control
89	P107	(NC)			
90	P106, AN6	KEY_IN1	I	I	Key input
91	P105, AN5	KEY_IN2	I	I	Key input
92	P104, AN4	KEY_IN3	I	I	Key input
93	P103	(NC)			
94	P102	SIRIUS P/E	O	O/L	SIRIUS enable output
95	P101	XM MUTE	O	O/L	XM MUTE control
96	AVSS		I	-	GND
97	P100	XM_DACNS	O	O/L	XM DAC chip select input
98	VREF		I	-	standard voltage input
99	AVCC		I	-	5V
100	P97, RXD4/SCL4/STXD4	SIRIUS_RX	I	I	SIRIUS data reception

NJW1197 Terminal Function

No.	SYMBOL	FUNCTION	No.	SYMBOL	FUNCTION
1	ROUT	Rch output	51	DCR_IN	Multi-channel selector Rch input
2	COUT	Cch output	52	DCR_OUT	Input selector Rch output
3	LSOUT	LSch output	53	GND	Ground
4	RSOUT	RSch output	54	DCL_IN	Multi-channel selector Lch input
5	LBOUT	LBch output	55	DCL_OUT	Input selector Lch output
6	RBOUT	RBch output	56	GND	Ground
7	SWOUT	SWch output	57	REC_B1R	Input selector Rch REC output B1
8	GND	Ground	58	REC_B1L	Input selector Lch REC output B1
9	FIL_BL2	Lch Bass filter terminal 2	59	REC_A4R	Input selector Rch REC output A4
10	FIL_BL1	Lch Bass filter terminal 1	60	REC_A4L	Input selector Lch REC output A4
11	FIL_TL	Lch Treble filter terminal	61	REC_A3R	Input selector Rch REC output A3
12	TCAP	Switching noise rejection capacitor	62	REC_A3L	Input selector Lch REC output A3
13	FIL_BR2	Rch Bass filter terminal 2	63	REC_A2R	Input selector Rch REC output A2
14	FIL_BR1	Rch Bass filter terminal 1	64	REC_A2L	Input selector Lch REC output A2
15	FIL_TR	Rch Treble filter terminal	65	REC_A1R	Input selector Rch REC output A1
16	V+	+ Power supply voltage input	66	REC_A1L	Input selector Lch REC output A1
17	ADR	Chip address select input	67	VDDOUT	Internal Digital +Power Supply Output
18	V-	- Power supply voltage input	68	DATA	Control data signal input
19	L1IN	Input selector Lch input 1	69	CLOCK	Clock signal input
20	DCCAP_SW	Switching noise rejection capacitor	70	LATCH	Latch signal input
21	R1IN	Input selector Rch input 1	71	MUTE	External Mute control
22	DCCAP_RB	Switching noise rejection capacitor	72	FL+	Input selector gain control Lch no-inverted output
23	L2IN	Input selector Lch input 2	73	FL-	Input selector gain control Lch inverted output
24	DCCAP_LB	Switching noise rejection capacitor	74	FR+	Input selector gain control Rch no-inverted output
25	R2IN	Input selector Rch input 2	75	FR-	Input selector gain control Rch inverted output
26	DCCAP_RS	Switching noise rejection capacitor	76	GND	Ground
27	L3IN	Input selector Lch input 3	77	LSCIN	Multi-channel LSch input C
28	DCCAP_LS	Switching noise rejection capacitor	78	RSCIN	Multi-channel RSch input C
29	R3IN	Input selector Rch input 3	79	LBCIN	Multi-channel LBch input C
30	DCCAP_C	Switching noise rejection capacitor	80	RBCIN	Multi-channel RBch input C
31	L4IN	Input selector Lch input 4	81	GND	Ground
32	DCCAP_R	Switching noise rejection capacitor	82	LAIN	Multi-channel Lch input A
33	R4IN	Input selector Rch input 4	83	RAIN	Multi-channel Rch input A
34	DCCAP_L	Switching noise rejection capacitor	84	CAIN	Multi-channel Cch input A
35	L5IN	Input selector Lch input 5	85	LSAIN	Multi-channel LSch input A
36	GND	Ground	86	RSAIN	Multi-channel RSch input A
37	R5IN	Input selector Rch input 5	87	LBAIN	Multi-channel LBch input A
38	GND	Ground	88	RBAIN	Multi-channel RBch input A
39	L6IN	Input selector Lch input 6	89	SWAIN	Multi-channel SWch input A
40	L9IN	Input selector Lch input 9	90	GND	Ground
41	R6IN	Input selector Rch input 6	91	LBIN	Multi-channel Lch input B
42	R9IN	Input selector Rch input 9	92	RBIN	Multi-channel Rch input B
43	L7IN	Input selector Lch input 7	93	CBIN	Multi-channel Cch input B
44	L10IN	Input selector Lch input 10	94	LSBIN	Multi-channel LSch input B
45	R7IN	Input selector Rch input 7	95	RSBIN	Multi-channel RSch input B
46	R10IN	Input selector Rch input 10	96	LBBIN	Multi-channel LBch input B
47	L8IN	Input selector Lch input 8	97	RBBIN	Multi-channel RBch input B
48	L11IN	Input selector Lch input 11	98	SWBIN	Multi-channel SWch input B
49	R8IN	Input selector Rch input 8	99	GND	Ground
50	R11IN	Input selector Rch input 11	100	LOUT	Lch output

BA7626F (IC601) MAIN P.W.B. for 700AE, 700AEDAB model

Block diagram



Truth table

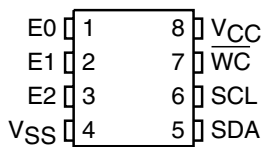
A	B	E	Monitor OUT
L	L	*	IN1
H	L	*	IN2
L	H	*	IN3
H	H	L	IN4
H	H	H	IN5

C	D	E	V _{OUT1}
L	L	*	—
H	L	*	IN2
L	H	*	IN3
H	H	L	IN4
H	H	H	IN5

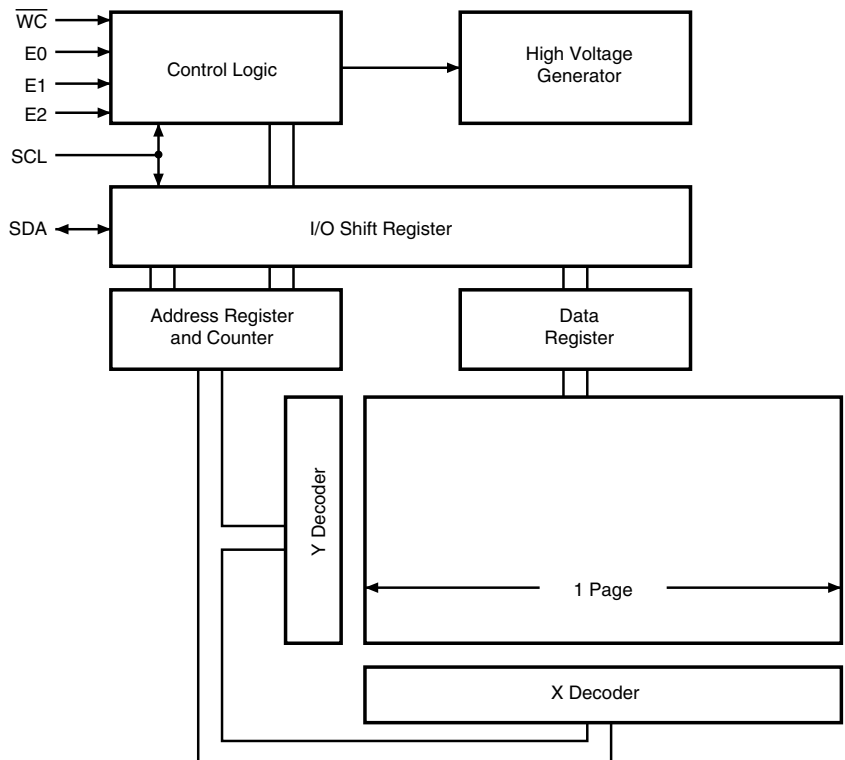
C	D	E	V _{OUT2}
L	L	*	IN1
H	L	*	—
L	H	*	IN3
H	H	L	IN4
H	H	H	IN5

Note 1: * indicates "don't care" (H or L).

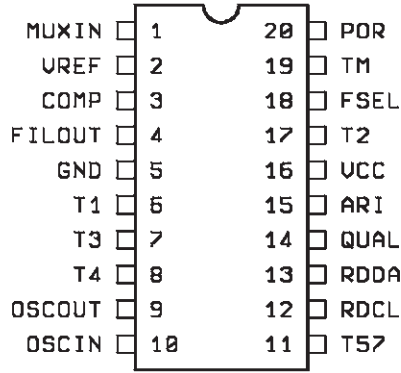
M24C64 (IC 404) FRONT P.W.B.



Block Diagram



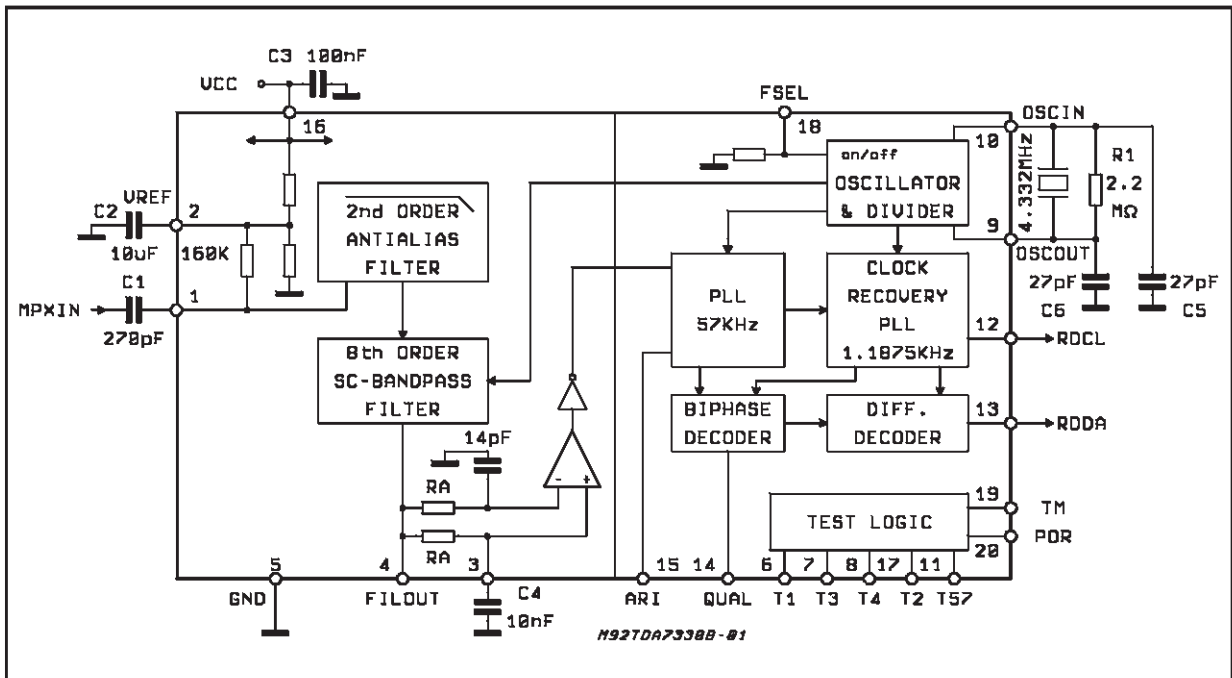
TDA7330B (IC402) FRONT P.W.B.



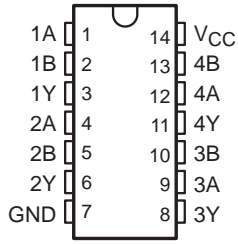
PIN FUNCTION

Nr.	Name	Description
1	MUXIN	RDS input signal.
2	V _{ref}	Reference voltage
3	COMP	Not inverting comparator input (smoothing filter)
4	FIL OUT	Filter Output
5	GND	Ground
6	T1	Testing output pin (not to be used)
7	T3	Testing output pin (not to be used)
8	T4	Testing output pin (not to be used)
9	OSC OUT	Oscillator output
10	OSC IN	Oscillator Input
11	T57	Testing output pin: 57KHz clock output
12	RDCL	RDS clock output (1187.5Hz)
13	RDDA	RDS data output
14	QUAL	Output for signal quality indication (High = good)
15	ARI	Output for ARI indication (High when RDS + ARI signals are present) (High when only ARI is present) (Low when only RDS is present) (undefined when no signal is present)
16	V _{CC}	Supply Voltage
17	T2	Testing output pin (not to be used)
18	FSEL	Frequency selector pin: open = 4.332MHz, closed to V _{CC} = 8.664MHz
19	TM	Test mode pin (open = normal RUN) (closed to V _{CC} = Test mode)
20	POR	Reset Input for testing (active high)

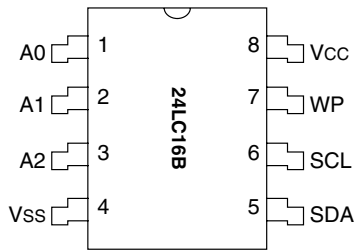
BLOCK DIAGRAM



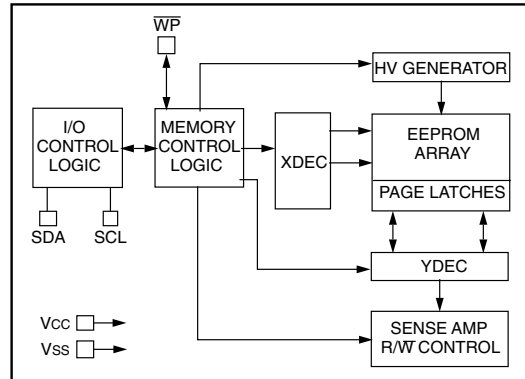
SN74HCT08 (IC 206) AUDIO P.W.B



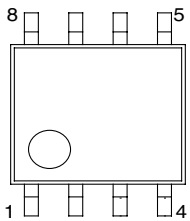
24LC16B (IC 404) FRONT P.W.B. for 500AE,model



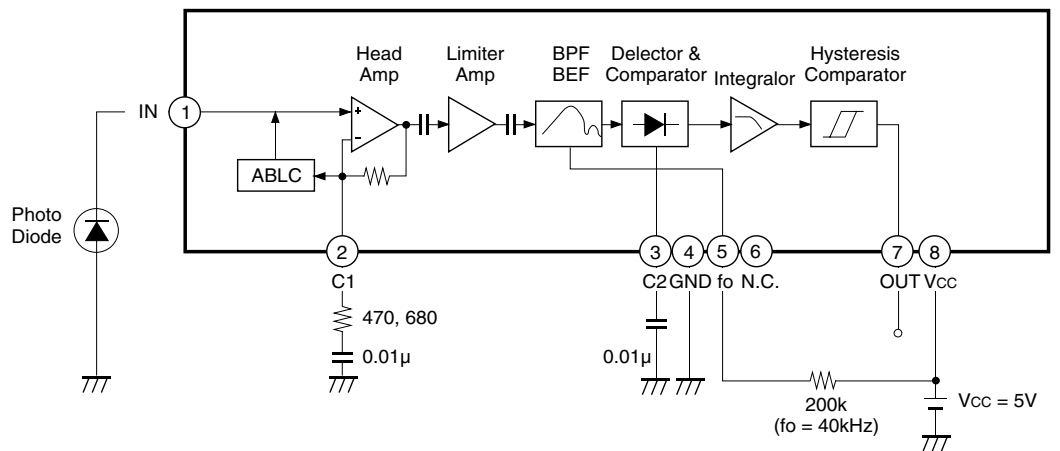
BLOCK DIAGRAM



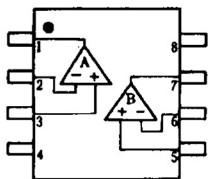
CXA1511M (IC 201) AUDIO P.W.B. for 700AE, 700AEDAB model



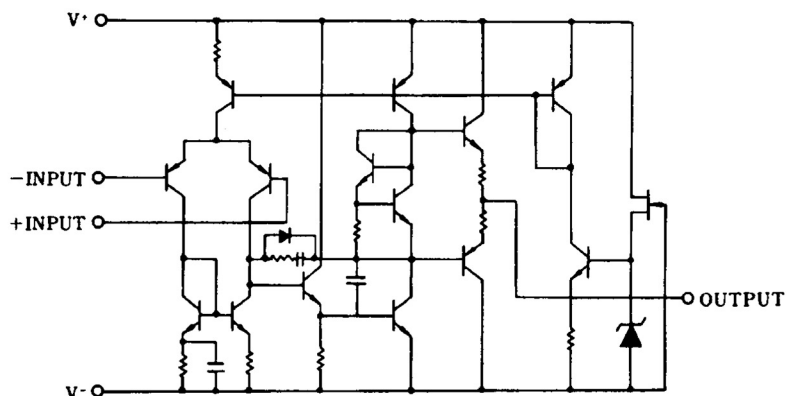
Block Diagram and Pin Configuration



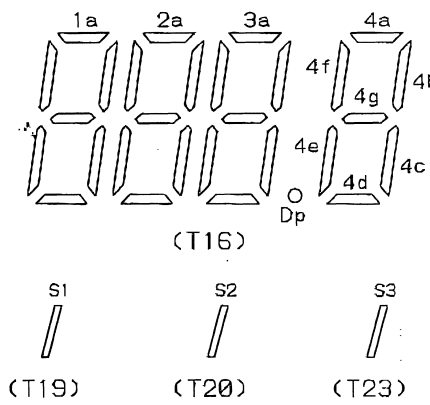
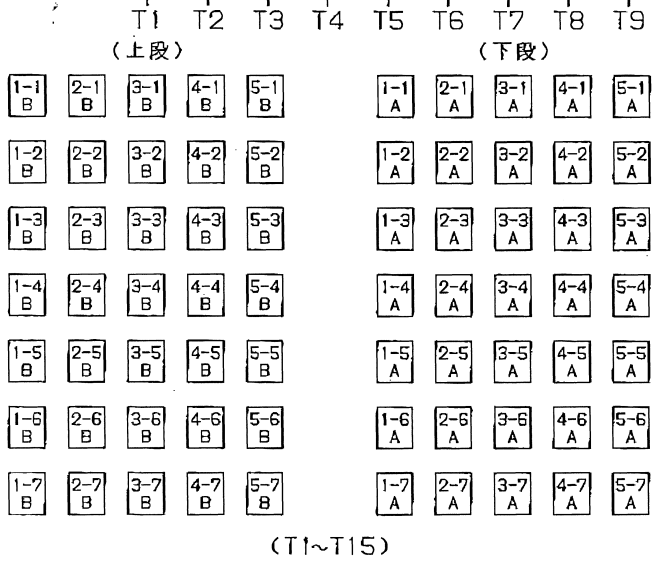
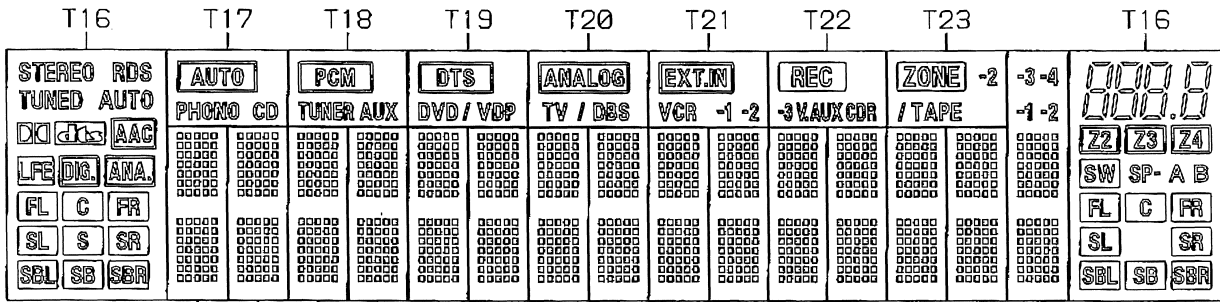
**NJM2068 (IC 104, 108-113, 120) INPUT P.W.B. for 500AE model
(IC 104-113, 120) INPUT P.W.B. for 700AE, 700AEDAB model**



- 1. A OUTPUT
- 2. A-INPUT
- 3. A+INPUT
- 4. V-
- 5. B+INPUT
- 6. B-INPUT
- 7. B OUTPUT
- 8. V+



TIMING ASSIGNMENT



(T1~T15)

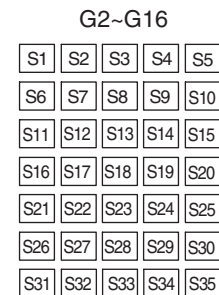
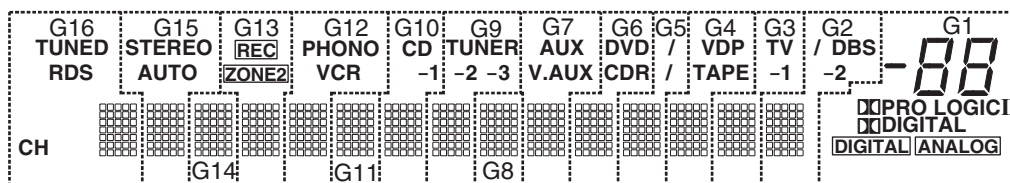
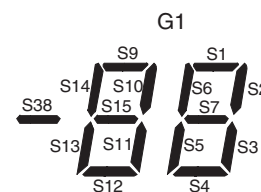
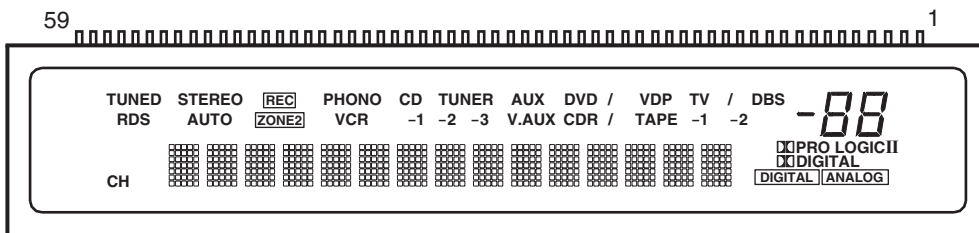
ANODE TIMING CHART

	T1~T14	T15	T16	T17	T18	T19	T20	T21	T22	T23
D0A	1-1A	1-1A	Dp							
D1A	2-1A	2-1A	1d							
D2A	3-1A	3-1A	2d							
D3A	4-1A	4-1A	3d							
D4A	5-1A	5-1A	4d							
D5A	1-2A	1-2A								
D6A	2-2A	2-2A	1e							
D7A	3-2A	3-2A	2e							
D8A	4-2A	4-2A	3e							
D9A	5-2A	5-2A	4e							
D10A	1-3A	1-3A								
D11A	2-3A	2-3A	1c							
D12A	3-3A	3-3A	2c							
D13A	4-3A	4-3A	3c							
D14A	5-3A	5-3A	4c							
D15A	1-4A	1-4A								
D16A	2-4A	2-4A	1g							
D17A	3-4A	3-4A	2g							
D18A	4-4A	4-4A	3g							
D19A	5-4A	5-4A	4g							
D20A	1-5A	1-5A								
D21A	2-5A	2-5A	1f							
D22A	3-5A	3-5A	2f							
D23A	4-5A	4-5A	3f							
D24A	5-5A	5-5A	4f							
D25A	1-6A	1-6A								
D26A	2-6A	2-6A	1b							
D27A	3-6A	3-6A	2b							
D28A	4-6A	4-6A	3b							
D29A	5-6A	5-6A	4b							
D30A	1-7A	1-7A								
D31A	2-7A	2-7A	1a							
D32A	3-7A	3-7A	2a							
D33A	4-7A	4-7A	3a							
D34A	5-7A	5-7A	4a							

ANODE TIMING CHART

	T1~T14	T15	T16	T17	T18	T19	T20	T21	T22	T23
D0B	1-1B	1-1B	Z2							
D1B	2-1B	2-1B	Z3							
D2B	3-1B	3-1B	Z4							
D3B	4-1B	4-1B								
D4B	5-1B	5-1B	DKS							
D5B	1-2B	1-2B	AAC							
D6B	2-2B	2-2B	LFE							
D7B	3-2B	3-2B	DIG							
D8B	4-2B	4-2B	ANA							
D9B	5-2B	5-2B	FL							
D10B	1-3B	1-3B								
D11B	2-3B	2-3B								
D12B	3-3B	3-3B								
D13B	4-3B	4-3B	SW							
D14B	5-3B	5-3B	SP-							
D15B	1-4B	1-4B	A							
D16B	2-4B	2-4B	B							
D17B	3-4B	3-4B	FL (左)							
D18B	4-4B	4-4B	C (左)							
D19B	5-4B	5-4B	FR (左)							
D20B	1-5B	1-5B	SL (左)							
D21B	2-5B	2-5B	SR (左)							
D22B	3-5B	3-5B	SBL (左)							
D23B	4-5B	4-5B	SB (左)							
D24B	5-5B	5-5B	SBR (左)							
D25B	1-6B	1-6B								
D26B	2-6B	2-6B	FL (左)							
D27B	3-6B	3-6B	C (左)							
D28B	4-6B	4-6B	FR (左)							
D29B	5-6B	5-6B	SL (左)							
D30B	1-7B	1-7B	S							
D31B	2-7B	2-7B	SR (左)							
D32B	3-7B	3-7B	SBL (左)							
D33B	4-7B	4-7B	SB (左)							
D34B	5-7B	5-7B	SBR (左)							
AD1		-3	STEREO	AUTO	PCM	DTS	ANALOG	EXT.IN	REC	ZONE
AD2		-4	RDS	PHONO	TUNER	DVD	TV	VCR	-3	-2
AD3		-1	TUNED	CD	AUX	S1	S2	-1	VAUX	S3
AD4		-2	AUTO		VDP	DBS	-2	COR	TAPE	

HNA-16SM13T (FL301) for 500AE model



Pin Assignment

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

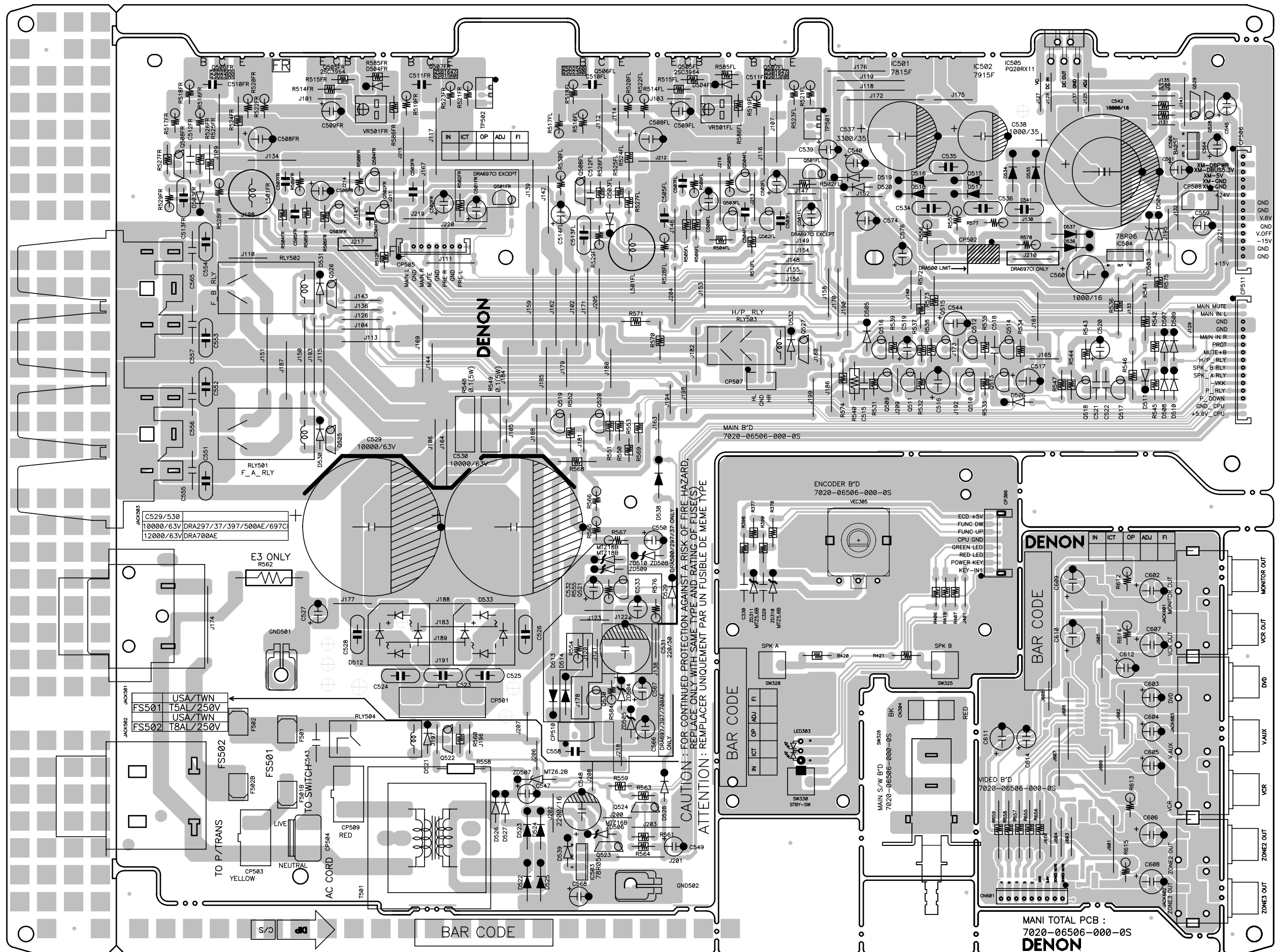
F1, F2 : Filament
 G1~G16: Grid
 S1~S38 : Anode

Anode & Grid Assignment

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

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

PRINTED WIRING BOARDS
MAIN P.W.B. UNIT (for ALL model)



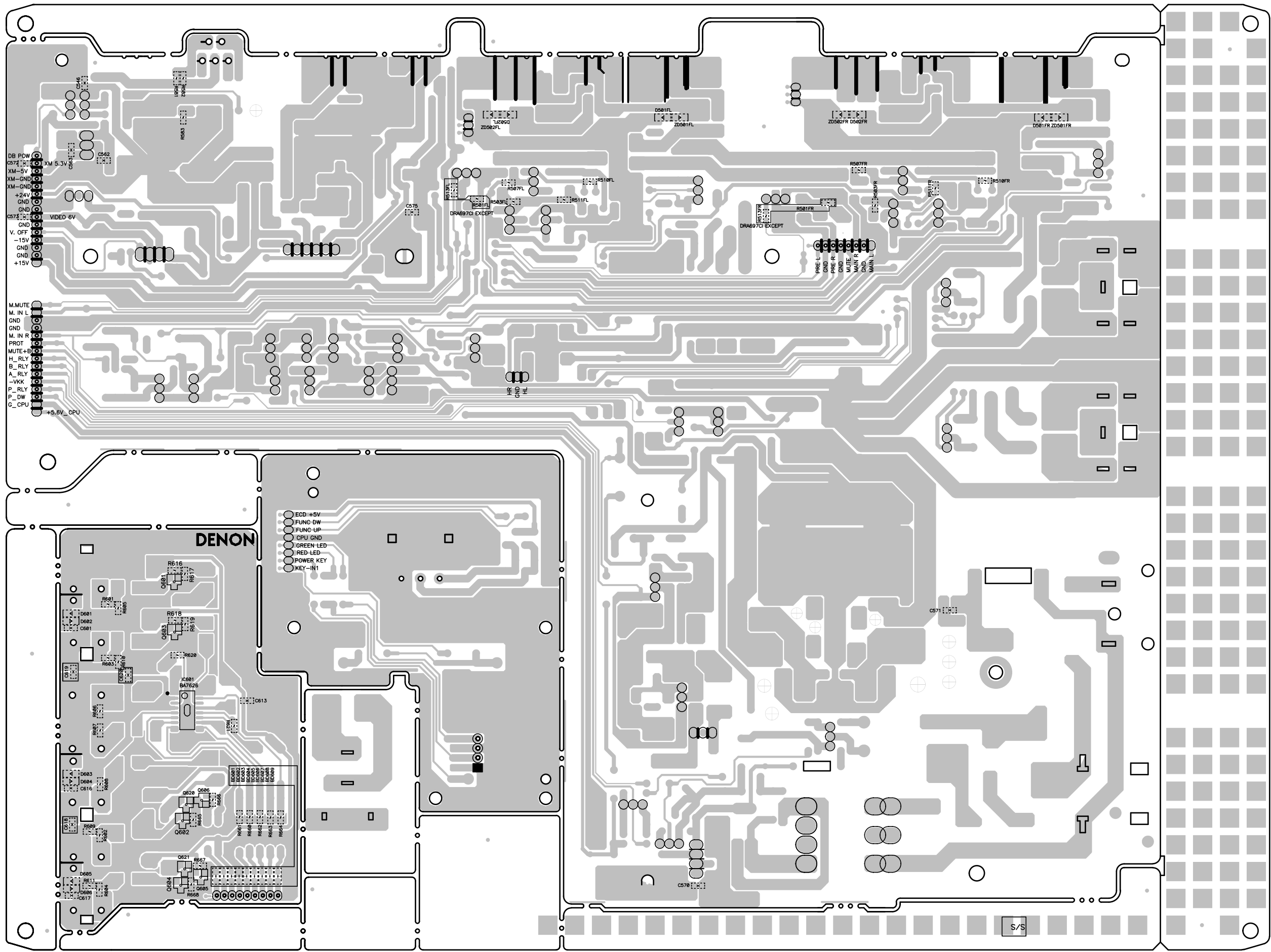
CAUTION: FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE HAZARD,
REPLACE ONLY WITH SAME TYPE AND RATING OF FUSE(S).
ATTENTION: REMPLACER UNIQUEMENT PAR UN FUSIBLE DE MEME TYPE

C529/530
10000/63V DRA297/37/397/500AE/697C
12000/63V DRA700AE

USA/TWN
FS501 T5AL/250V
USA/TWN
FS502 T8AL/250V

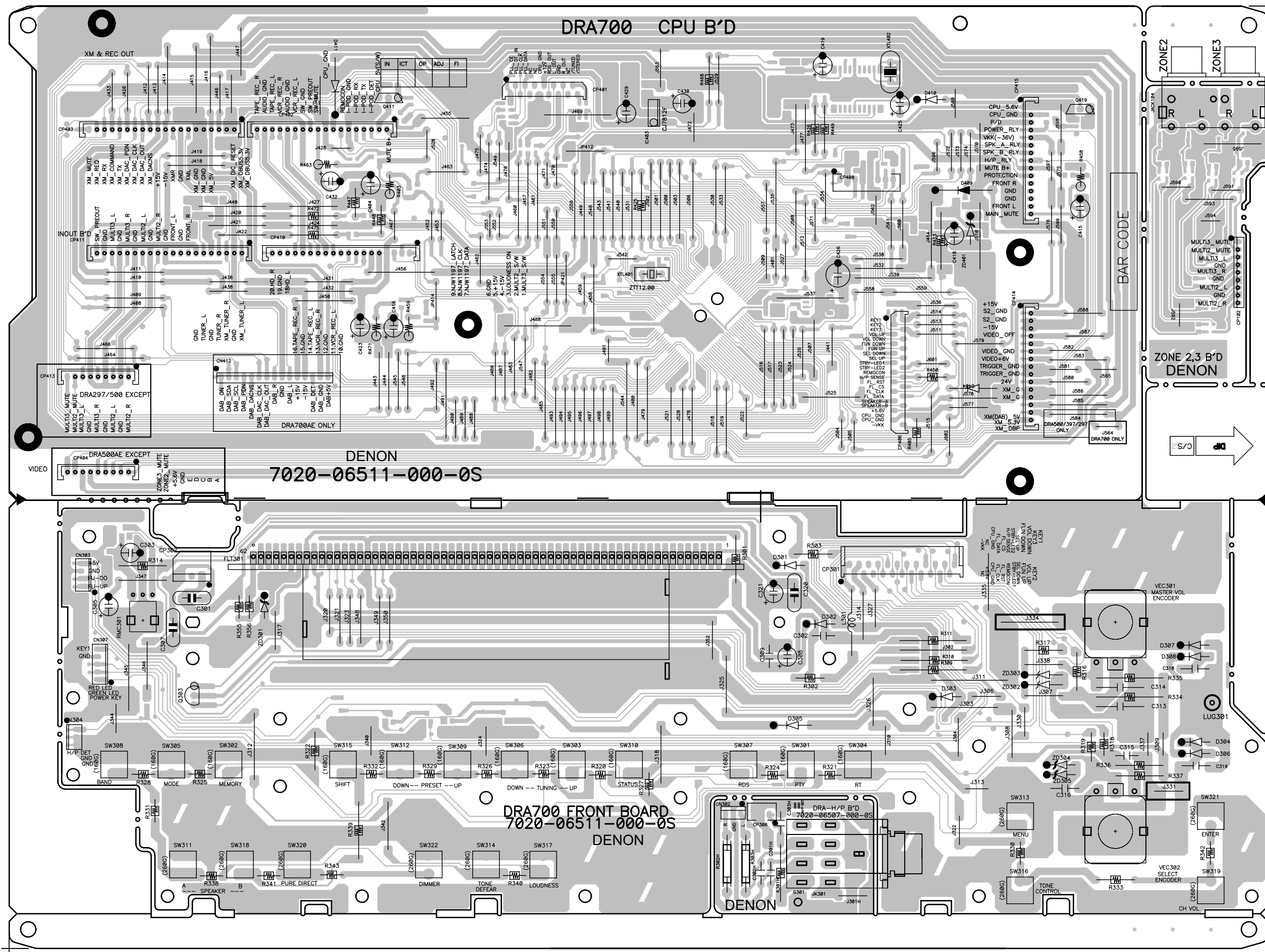
MANI TOTAL PCB :
7020-06506-000-0S
DENON

COMPONENT SIDE



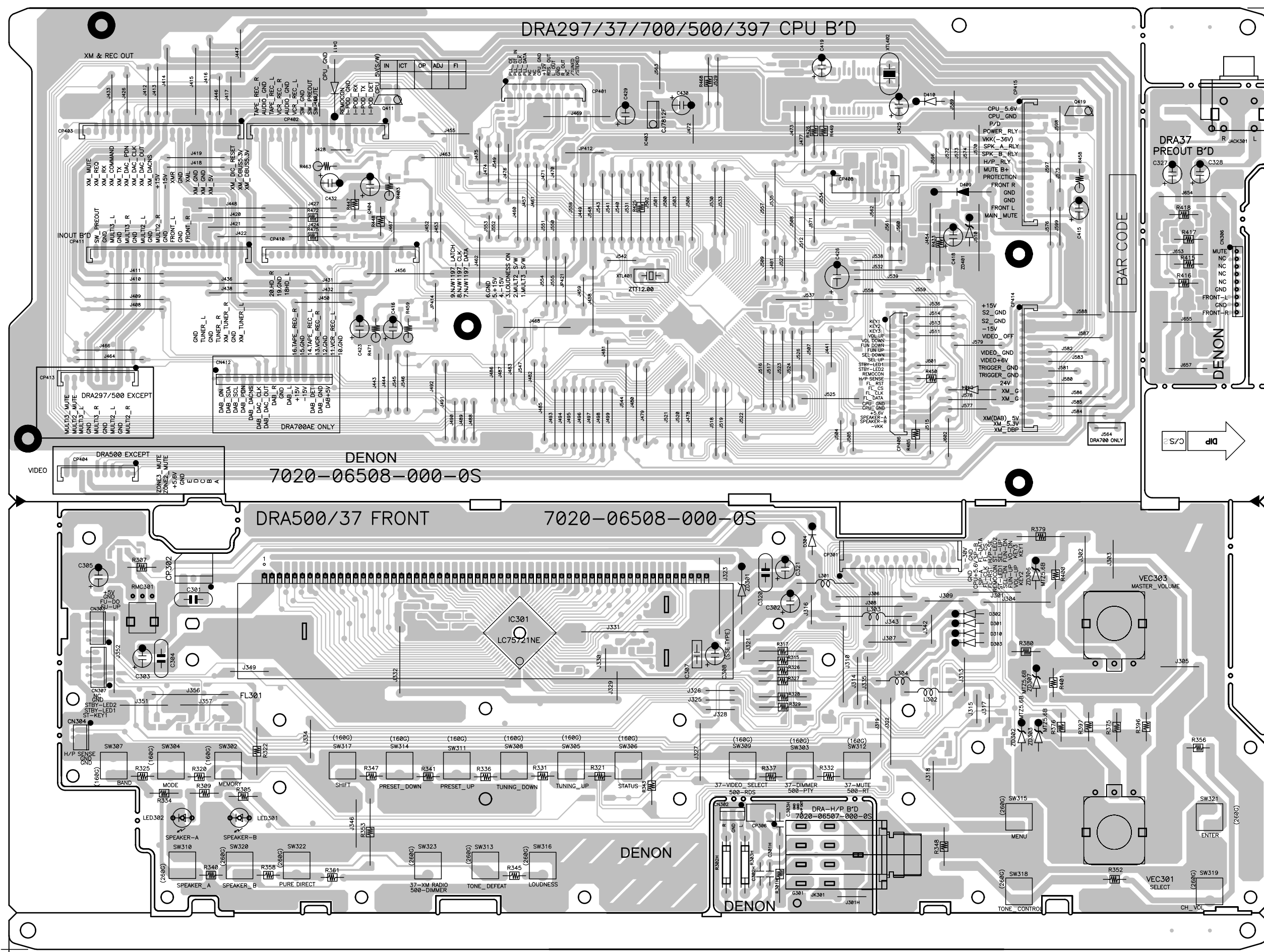
FOIL SIDE

FRONT P.W.B.UNIT (for DRA-700AE/700AEDAB model)



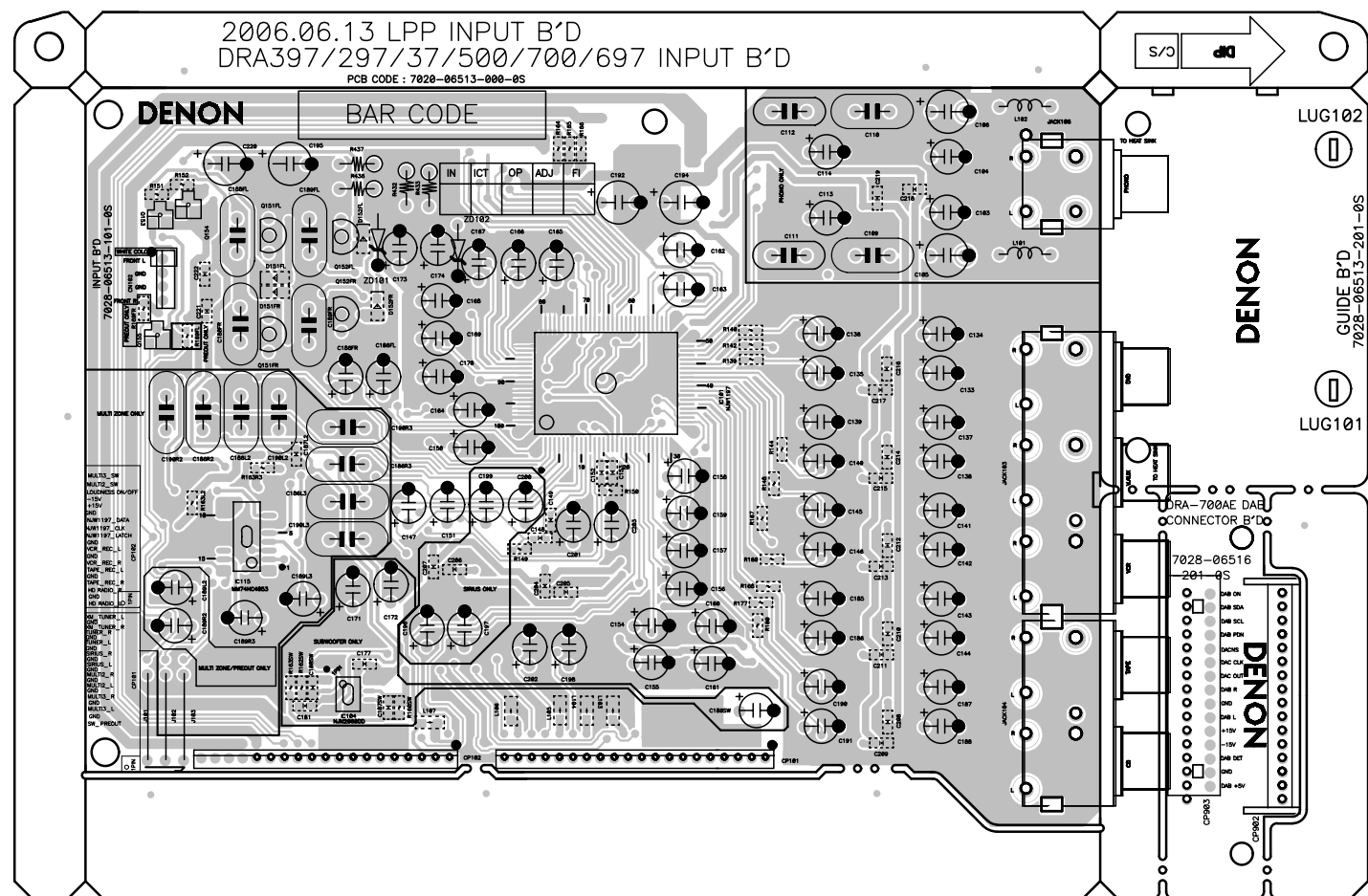
COMPONENT SIDE

FRONT P.W.B.UNIT (for DRA-500AE model)

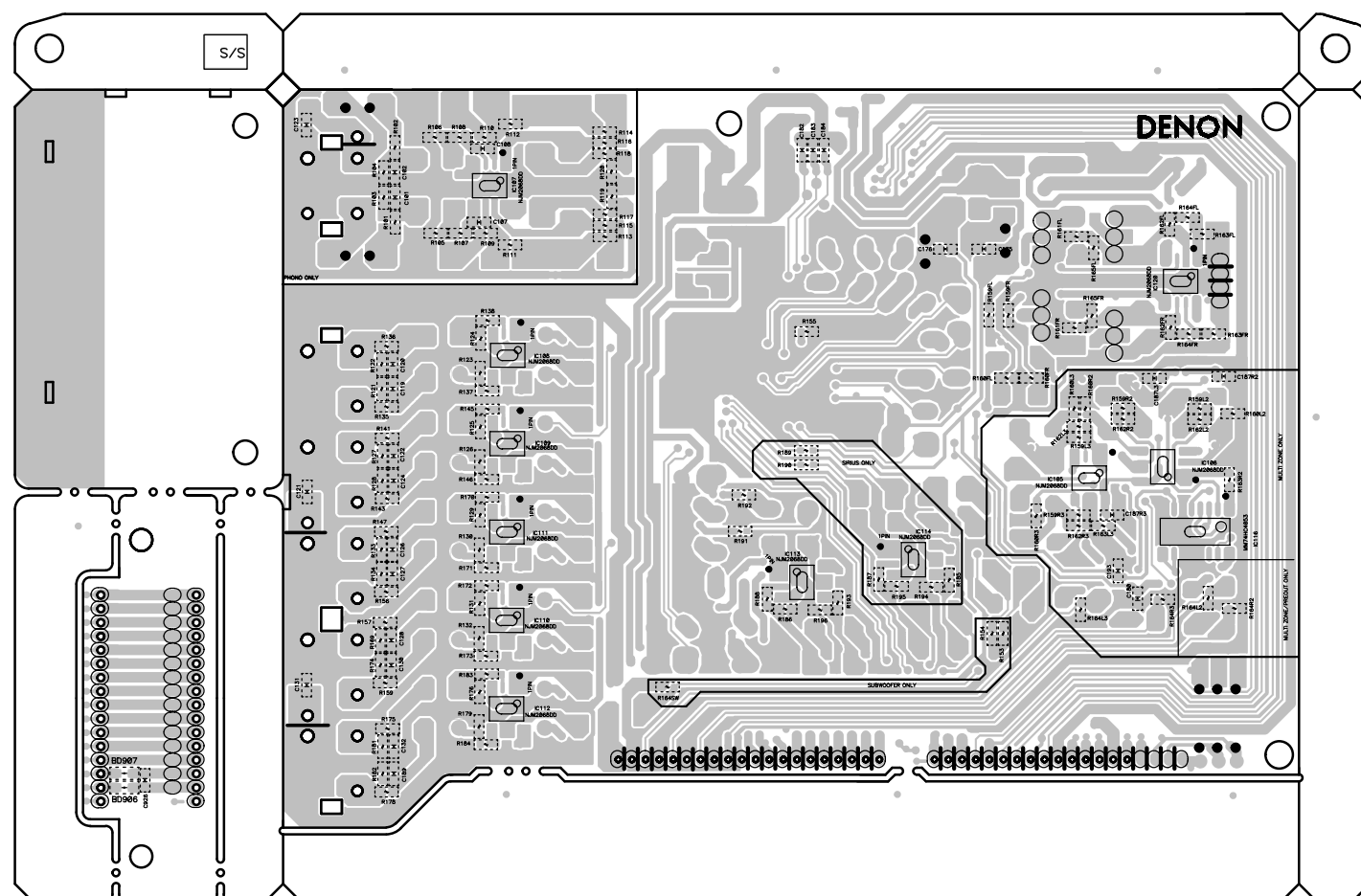


COMPONENT SIDE

INPUT P.W.B. UNIT (for ALL model)

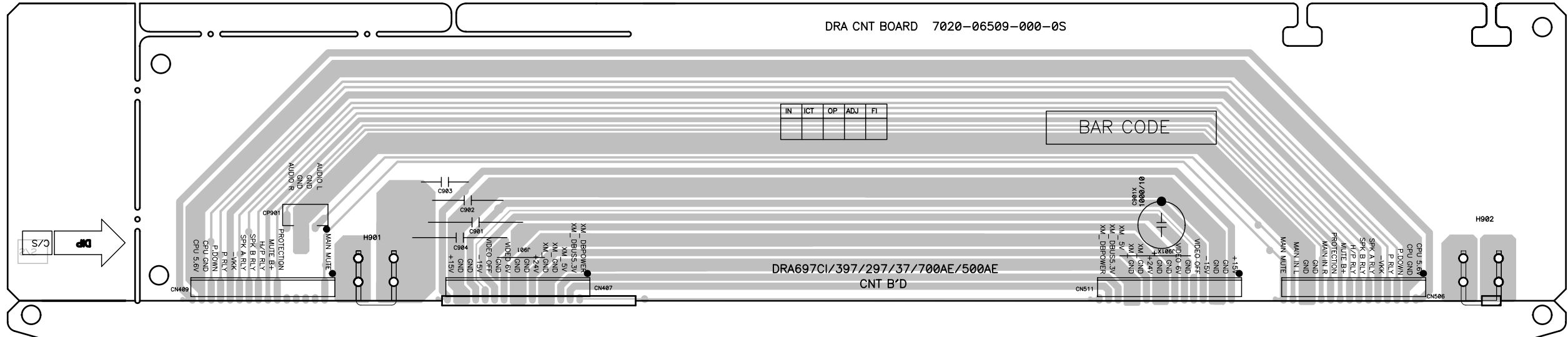


COMPONENT SIDE

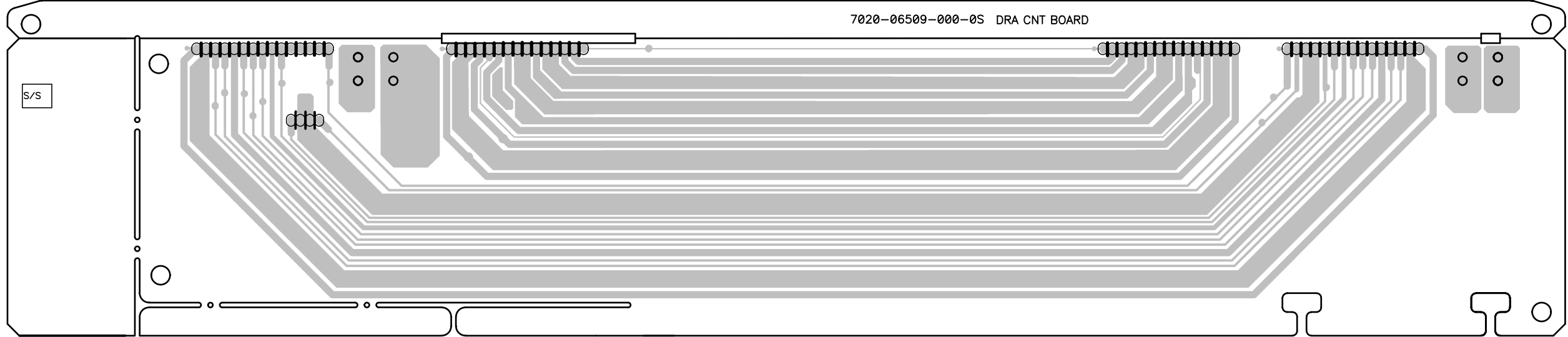


FOIL SIDE

CNT P.W.B. UNIT (for ALL model)



COMPONENT SIDE



FOIL SIDE

NOTE FOR PARTS LIST

- Part indicated with the mark "nsp" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including General-purpose Carbon Film Resistor in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)
- Not including General-purpose Carbon Chip Resistor in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

WARNING:

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

● Resistors

Ex.: RN 14K 2E 182 G FR

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

* Resistance

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

● Units: ohm

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

● Units: ohm

● Capacitors

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

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

* Capacity (electrolyte only)

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

● Units: μF.

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

● Units: μF.

* Capacity (except electrolyte)

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

● Units: pF.

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

● Units: pF.

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

部品表について

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

● 抵抗器

例) RN 14K 2E 182 G FR

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

* 抵抗値

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

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

● コンデンサ

例) CE 04W 1H 2R2 M BP

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

* 容量値

● 電解コンデンサの場合

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

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

● 電解コンデンサ以外の場合

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

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

● 耐圧を交流で表示する場合は、耐圧表示の次に「AC」を表示します。

PARTS LIST OF P.W.B. UNIT

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

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

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

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

Note: The symbols in the column "Remarks" indicate the following destinations.

700AE : Europe model

700AEDAB : U.K. model

500AE : Europe model

MAIN P.W.B. UNIT ASSY

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
SEMICONDUCTORS GROUP						
IC503		00D 963 0057 806	IC KIA78R05PI		J126780500370S	
IC504		00D 963 0313 809	IC KIA78R06PI	for 700AE, 700AEDAB	J126780600210S	
IC601		00D 963 0083 304	IC BA7626F	for 700AE, 700AEDAB	J171762600010S	
Q501FL		00D 960 0196 603	TR KTC2874B		J502287400010S	
Q501FR		00D 960 0196 603	TR KTC2874B		J502287400010S	
Q502FL		00D 960 0196 205	TR KSA992F		J5000992F0050S	
Q502FR		00D 960 0196 205	TR KSA992F		J5000992F0050S	
Q503FL		00D 960 0196 205	TR KSA992F		J5000992F0050S	
Q503FR		00D 960 0196 205	TR KSA992F		J5000992F0050S	
Q504FL		00D 960 0196 506	TR KSC1845F		J5021845F0000S	
Q504FR		00D 960 0196 506	TR KSC1845F		J5021845F0000S	
Q508FL		00D 960 0196 506	TR KSC1845F		J5021845F0000S	
Q508FR		00D 960 0196 506	TR KSC1845F		J5021845F0000S	
Q509		00D 960 0196 302	TR KTA1268BL		J5001268B0050S	
Q510,511		00D 960 0005 202	TR KTC3198Y		J5023198Y0000S	
Q512		00D 960 0196 302	TR KTA1268BL		J5001268B0050S	
Q513-515		00D 960 0005 202	TR KTC3198Y		J5023198Y0000S	
Q516,517		00D 960 0196 302	TR KTA1268BL		J5001268B0050S	
Q518		00D 960 0196 700	TR KTC3200BL		J5023200B0050S	
Q519,520		00D 960 0196 302	TR KTA1268BL	for 500AE	J5001268B0050S	
Q521		00D 960 0189 005	TR KSA916Y		J5000916Y0050S	
Q522		00D 960 0196 409	TR 2SC1740SR		J5021740S0010S	
Q523		00D 963 0121 208	TR KRC107M		J6020107M0010S	
Q524		00D 960 0196 409	TR 2SC1740SR		J5021740S0010S	
Q525-527		00D 963 0219 602	TR KRC106M		J6020106M0010S	
Q528,529		00D 960 0097 304	TR KRC102M	for 700AE, 700AEDAB	J6020102M0010S	
Q530		00D 963 0226 705	TR KTC1027Y	for 700AE, 700AEDAB	J5021027Y0020S	
Q601-604		00D 960 0068 207	TR KTA1504Y(ASY)	for 700AE, 700AEDAB	J5201504Y0210S	
Q605,606		00D 963 0245 003	TR 2SC KRC106S (NF)	for 700AE, 700AEDAB	J522010600210S	
Q620,621		00D 963 0159 102	TR 2SC KRC111S (NM)	for 700AE, 700AEDAB	J522011100210S	
D501FL		00D 963 0219 709	D,SWITCHING 1N4148W		K005041480020S	
D501FR		00D 963 0219 709	D,SWITCHING 1N4148W		K005041480020S	
D502FL		00D 963 0219 709	D,SWITCHING 1N4148W		K005041480020S	
D502FR		00D 963 0219 709	D,SWITCHING 1N4148W		K005041480020S	
D503FL		00D 963 0020 309	D,SWITCHING 1SS133T		K000013300520S	
D503FR		00D 963 0020 309	D,SWITCHING 1SS133T		K000013300520S	
D504-511		00D 963 0020 309	D,SWITCHING 1SS133T		K000013300520S	
D512		00D 960 0197 107	D,RECTIFIER KBPC604 6A		K047604000020S	
D513		00D 963 0058 407	D,SWITCHING IN4007	for 500AE	K000400700520S	
D514		00D 963 0058 407	D,SWITCHING IN4007	for 700AE, 700AEDAB	K000400700520S	
D515-518		00D 963 0058 407	D,SWITCHING IN4007		K000400700520S	
D519-521		00D 963 0020 309	D,SWITCHING 1SS133T		K000013300520S	
D522-525		00D 963 0058 407	D,SWITCHING IN4007		K000400700520S	
D526-532		00D 963 0020 309	D,SWITCHING 1SS133T		K000013300520S	
D533		00D 960 0197 107	D,RECTIFIER KBPC604 6A		K047604000020S	
D534-537		00D 963 0058 407	D,SWITCHING IN4007	for 700AE, 700AEDAB	K000400700520S	
D538		00D 963 0058 407	D,SWITCHING IN4007		K000400700520S	
D539		00D 963 0020 309	D,SWITCHING 1SS133T		K000013300520S	
D601-606		00D 963 0219 709	D,SWITCHING 1N4148W	for 700AE, 700AEDAB	K005041480020S	

Ref. No.	nsp	Part No.	Part Name	Remarks		Q'ty	New
ZD501FL ZD501FR		00D 963 0279 804 00D 963 0279 804	D,ZENER UDZS4.3B D,ZENER UDZS4.3B		K06604R34P410S K06604R34P410S		
ZD502FL ZD502FR ZD503 ZD504 ZD505		00D 963 0295 503 00D 963 0295 503 00D 963 0314 206 00D 963 0314 206 00D 963 0314 206	D,ZENER UDZS3.6B D,ZENER UDZS3.6B D,ZENER MTZJ7.5B D,ZENER MTZJ20B D,ZENER MTZJ18B	for 700AE, 700AEDAB for 700AE, 700AEDAB	K06603R64P400S K06603R64P400S K06007R544520S K06020R044520S K06018R044520S		
ZD506 ZD507 ZD508 ZD509,510		00D 963 0314 206 00D 960 0095 704 00D 960 0095 500 00D 963 0314 206	D,ZENER MTZJ20B D,ZENER MTZJ6.2B D,ZENER MTZJ5.1B D,ZENER MTZJ18B	for 500AE	K06020R044520S K06006R244520S K06005R144520S K06018R044520S		
RESISTORS GROUP							
R508FL R508FR R509FL		00D 960 9004 301 00D 960 9004 301 00D 960 9005 902	R,METAL FILM 47-J,1/4W R,METAL FILM 47-J,1/4W R,METAL FILM 1.2K-J,1/4W		C060047063050S C060047063050S C060012263050S		
R509FR R516FL R516FR R517FL R517FR		00D 960 9005 902 00D 963 9006 285 00D 963 9006 285 00D 963 9006 285 00D 963 9006 285	R,METAL FILM 1.2K-J,1/4W R,FIXED 1WJ-5.6K R,FIXED 1WJ-5.6K R,FIXED 1WJ-5.6K R,FIXED 1WJ-5.6K		C060012263050S N113135656220S N113135656220S N113135656220S N113135656220S		
R518FL R518FR R519FL R519FR R520FL		00D 963 0215 907 00D 963 0215 907 00D 963 0215 907 00D 963 0215 907 00D 963 9006 269	R,METAL FILM 4.7-J,1W R,METAL FILM 4.7-J,1W R,METAL FILM 4.7-J,1W R,METAL FILM 4.7-J,1W R,FIXED 1WJ-0.22		C0604R7065050S C0604R7065050S C0604R7065050S C0604R7065050S N113135622820S		
R520FR R521FL R521FR R522FL R522FR		00D 963 9006 269 00D 963 9006 269 00D 963 9006 269 00D 963 9006 269 00D 963 9006 269	R,FIXED 1WJ-0.22 R,FIXED 1WJ-0.22 R,FIXED 1WJ-0.22 R,FIXED 1WJ-0.22 R,FIXED 1WJ-0.22		N113135622820S N113135622820S N113135622820S N113135622820S N113135622820S		
R523FL R523FR R528FL R528FR R529FL		00D 963 9006 269 00D 963 9006 269 00D 963 9006 256 00D 963 9006 256 00D 963 9006 256	R,FIXED 1WJ-0.22 R,FIXED 1WJ-0.22 R,FIXED 1WJ-10 R,FIXED 1WJ-10 R,FIXED 1WJ-10		N113135622820S N113135622820S N113135610020S N113135610020S N113135610020S		
R529FR R530FL R540 R548,549 R554		00D 963 9006 256 00D 963 9006 256 00D 963 0232 906 00D 963 0144 502 00D 963 0215 907	R,FIXED 1WJ-10 R,FIXED 1WJ-10 R,METAL FILM 47K-F R,METAL FILM 47K-F R,METAL FILM 4.7-J,1W	for 700AE, 700AEDAB	N113135610020S N113135610020S C060047343530S C141R10069000S C0604R7065050S		
R554 R555 R556,557 R558 R565-567		00D 963 9005 655 00D 963 0310 404 00D 963 0216 003 00D 963 0232 809 00D 960 9005 642	R,METAL FILM 22-J,1/4W R,METAL FILM 2.2K-J,1W R,METAL FILM 0.22-J,1W R,METAL FILM 10-J,1/4W R,METAL FILM 1.2K-J,1W	for 500AE for 500AE	C060022063050S C060022265050S C060R22065050S C060010063520S C060012265050S		
R576 R577,578 R584 R612-615		00D 963 0310 501 00D 963 0216 003 00D 963 0310 404 00D 963 9005 639	R,METAL FILM 47K-J,1/4W R,METAL FILM 0.22-J,1W R,METAL FILM 2.2K-J,1W R,METAL FILM 100-J,1W	for 700AE, 700AEDAB for 700AE, 700AEDAB for 700AE, 700AEDAB	C060047363050S C060R22065050S C060022265050S C060010165060S		
VR501FL VR501FR		00D 963 0310 802 00D 963 0310 802	VR,SEMI CERMET 1KB VR,SEMI CERMET 1KB		C544102015130S C544102015130S		
CAPACITORS GROUP							
C501FL C501FR C502FL C502FR C503FL C503FR		00D 963 0312 004 00D 963 0312 004 00D 963 0311 306 00D 963 0311 306 00D 963 0216 207 00D 963 0216 207	C,ELECT 22UF-M/25V C,ELECT 22UF-M/25V C,ELECT 10UF-M/50V C,ELECT 10UF-M/50V C,CERAMIC 220PF 500V C,CERAMIC 220PF 500V		D040220084050S D040220084050S D040100087070S D040100087070S D009092212500S D009092212500S		

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
C504FL		00D 963 0216 207	C,CERAMIC 220PF 500V		D009092212500S	
C504FR		00D 963 0216 207	C,CERAMIC 220PF 500V		D009092212500S	
C505FL		00D 963 0216 100	C,CERAMIC 33PF-J/500V		D00033006D050S	
C505FR		00D 963 0216 100	C,CERAMIC 33PF-J/500V		D00033006D050S	
C506FL		00D 963 0311 500	C,ELECT 100UF-M/10V		D040101082070S	
C506FR		00D 963 0311 500	C,ELECT 100UF-M/10V		D040101082070S	
C507FL		-	C,FILM 0.0022UF-J/100V		D02022206C060S	
C507FR		-	C,FILM 0.0022UF-J/100V		D02022206C060S	
C508FL		00D 963 0234 506	C,ELECT 47UF-M/50V (Pb Free)		D040470087070S	
C508FR		00D 963 0234 506	C,ELECT 47UF-M/50V (Pb Free)		D040470087070S	
C509FL		00D 963 0311 306	C,ELECT 10UF-M/50V		D040100087070S	
C509FR		00D 963 0311 306	C,ELECT 10UF-M/50V		D040100087070S	
C510FL		00D 963 9003 084	C,CERAMIC B100PF-K/500V)		D00410106D050S	
C510FR		00D 963 9003 084	C,CERAMIC B100PF-K/500V)		D00410106D050S	
C511FL		00D 963 9003 084	C,CERAMIC B100PF-K/500V)		D00410106D050S	
C511FR		00D 963 9003 084	C,CERAMIC B100PF-K/500V)		D00410106D050S	
C512FL		00D 960 9003 108	C,CERAMIC 0.022UF-Z/25V		D005223594520S	
C512FR		00D 960 9003 108	C,CERAMIC 0.022UF-Z/25V		D005223594520S	
C513FL		00D 963 9003 097	C,FILM -0.1UF-K/250V		D02010407H080S	
C513FR		00D 963 9003 097	C,FILM -0.1UF-K/250V		D02010407H080S	
C514FL		00D 963 0311 403	C,ELECT 10UF-M/100V		D04010008C050S	
C515		00D 963 0020 202	C,CERAMIC 0.1UF-Z/50V		D005104597530S	
C516		00D 963 0311 607	C,ELECT 100UF-M/16V		D040101083090S	
C517		00D 963 0130 309	C,ELECT 470UF-M/6.3V		D040471081230S	
C518		00D 963 0020 202	C,CERAMIC 0.1UF-Z/50V		D005104597530S	
C519		00D 963 0244 606	C,ELECT 0.1UF-M/50V (Pb Free)		D040R10087080S	
C520		00D 963 0312 606	C,ELECT 2.2UF-M/50V(GREEN CAP)		D0402R2087270S	
C521,522		00D 963 0233 303	C,CERAMIC 0.01UF-M/16V		D005103773530S	
C523-526		00D 963 9003 097	C,FILM -0.1UF-K/250V		D02010407H080S	
C527		00D 963 0311 102	C,ELECT 1UF-M/50V (Pb Free)		D040010087150S	
C528		00D 963 9003 097	C,FILM -0.1UF-K/250V		D02010407H080S	
C529,530		00D 963 0157 803	C,ELECT 12000UF-M/63V	for 700AE, 700AEDAB	D040123088020S	
C529,530		00D 963 0149 400	C,GENERIC 10000UF/63V(M)	for 500AE	N211210388110S	
C531		00D 963 0312 402	C,ELECT 220UF-M/50V SY (Pb Free)		D040221087140S	
C532,533		00D 963 0311 102	C,ELECT 1UF-M/50V (Pb Free)	for 500AE	D040010087150S	
C534-536		-	C,FILM 0.047UF-J/100V		D02047306C060S	
C537		00D 963 0312 703	C,ELECT 3300UF-M/35V		D040332085050S	
C538		00D 963 0311 801	C,ELECT 1000UF-M/35V(SHL)		D040102085040S	
C539,540		00D 963 0311 102	C,ELECT 1UF-M/50V (Pb Free)		D040010087150S	
C541		00D 963 9003 097	C,FILM -0.1UF-K/250V		D02010407H080S	
C542		00D 963 0311 908	C,ELECT SHL 10000UF 16V	for 700AE, 700AEDAB	D040103083020S	
C543		00D 963 9006 191	C,CERAMIC AC13F472MDOA		D00847208K070S	
C544		00D 963 0312 101	C,ELECT 22UF-M/50V		D040220087060S	
C545		00D 963 0311 500	C,ELECT 100UF-M/10V	for 700AE, 700AEDAB	D040101082070S	
C546		00D 963 0332 709	C,CERAMIC 0.1UF-K/50V	for 700AE, 700AEDAB	D011104577162S	
C547		00D 963 0311 102	C,ELECT 1UF-M/50V (Pb Free)		D040010087150S	
C548		00D 963 0312 509	C,ELECT 2200UF-M/16V		D040222083080S	
C549,550		00D 963 0311 306	C,ELECT 10UF-M/50V		D040100087070S	
C551-554		-	C,FILM 0.01UF-J/100V		D02010306C060S	
C555-557		00D 963 0233 400	C,CERAMIC 2200PF-K/16V		D005222773530S	
C558		00D 963 9003 097	C,FILM -0.1UF-K/250V	for 700AE, 700AEDAB	D02010407H080S	
C559		00D 963 0311 306	C,ELECT 10UF-M/50V	for 700AE, 700AEDAB	D040100087070S	
C560		00D 963 0311 704	C,ELECT 1000UF-M/16V	for 700AE, 700AEDAB	D040102083030S	
C565		00D 963 0233 400	C,CERAMIC 2200PF-K/16V		D005222773530S	
C566,567		00D 963 0311 102	C,ELECT 1UF-M/50V (Pb Free)	for 700AE, 700AEDAB	D040010087150S	
C568		00D 963 0311 102	C,ELECT 1UF-M/50V (Pb Free)		D040010087150S	
C570-573		00D 963 0332 709	C,CERAMIC 0.1UF-K/50V		D011104577162S	
C574		00D 963 0311 102	C,ELECT 1UF-M/50V(Pb Free)		D040010087150S	
C575		00D 963 0332 709	C,CERAMIC 0.1UF-K/50V		D011104577162S	
C576		00D 963 0311 102	C,ELECT 1UF-M/50V(Pb Free)		D040010087150S	
C601		00D 963 0332 709	C,CERAMIC 0.1UF-K/50V	for 700AE, 700AEDAB	D011104577162S	
C602		00D 963 9005 901	C,ELECT 470UF-M/10V	for 700AE, 700AEDAB	D040471082060S	
C603-605		00D 963 0312 004	C,ELECT 22UF-M/25V	for 700AE, 700AEDAB	D040220084050S	

Ref. No.	nsp	Part No.	Part Name	Remarks		Q'ty	New
C606-608		00D 963 9005 901	C,ELECT 470UF-M/10V	for 700AE, 700AEDAB	D040471082060S		
C609,610		00D 963 0311 500	C,ELECT 100UF-M/10V	for 700AE, 700AEDAB	D040101082070S		
C611		00D 963 9005 901	C,ELECT 470UF-M/10V	for 700AE, 700AEDAB	D040471082060S		
C612		00D 963 0312 004	C,ELECT 22UF-M/25V	for 700AE, 700AEDAB	D040220084050S		
C613	nsp	00D 963 0234 001	C,CERAMIC 0.047UF-Z/50V	for 700AE, 700AEDAB	D011473597160S		
C614		00D 963 0312 004	C,ELECT 22UF-M/25V	for 700AE, 700AEDAB	D040220084050S		
C616,617		00D 963 0332 709	C,CERAMIC 0.1UF-K/50V	for 700AE, 700AEDAB	D011104577162S		
C618-620		00D 963 9003 372	R,CHIP 0-J,1/16W	for 700AE, 700AEDAB	C20000006M160S		
OTHERS PARTS GROUP							
BD601-609	nsp	00D 963 0220 002	BEAD,COIL 121JT	for 700AE, 700AEDAB	7611010000020S		
CN304		00D 963 0301 109	CN,WIRE 350MM/2P		L000351020160S		
CN601	nsp	00D 963 0085 506	CN.WAFER 9P	for 700AE, 700AEDAB	L101100030910S		
CP501	nsp	00D 963 0066 208	CN.WAFER 3.96MM		L104353280300S		
CP502	nsp	00D 960 0128 804	CN.WAFER 2.5MM 6P	for 700AE, 700AEDAB	L102526700600S		
CP502	nsp	00D 960 0123 207	CN.WAFER 2.5MM 3P	for 500AE	L102526700300S		
CP503		00D 963 0315 302	CN.WAFER 7.92MM		L108353280290S		
CP504		00D 963 0262 604	CN.WAFER 7.92MM		L108202000220S		
CP506	nsp	00D 963 0097 507	CN.WAFER 2.0MM 15P		L101100041510S		
CP507	nsp	00D 963 0235 806	CN.WAFER 2.0MM		L101220030000S		
CP508	nsp	00D 960 0123 207	CN.WAFER 2.5MM 3P		L102526700300S		
CP509		00D 963 0315 205	CN.WAFER 7.92MM		L108353280280S		
CP510	nsp	00D 960 0123 207	CN.WAFER 2.5MM 3P		L102526700300S		
CP511	nsp	00D 963 0097 507	CN.WAFER 2.0MM 15P		L101100041510S		
F501		00D 960 0005 804	HOLDER,FUSE		G645000050010S		
F501B		00D 960 0005 804	HOLDER,FUSE		G645000050010S		
F502		00D 960 0005 804	HOLDER,FUSE	for 700AE, 500AE	G645000050010S		
F502B		00D 960 0005 804	HOLDER,FUSE	for 700AE, 500AE	G645000050010S		
GND501,502		00D 960 9006 600	TERMINAL GND PLATE		3790040876010S		
⚠ JACK502		00D 960 0143 203	SOCKET,POWER RECEPTA AC OUTLET	for 700AE, 500AE	G435040110000S		
JACK503		00D 963 0119 906	TER,BOARD SCREW 8P		G614801A0200YS		
JACK601		00D 963 0257 004	TER,RCA 2PIN	for 700AE, 700AEDAB	G601206B0100YS		
JACK602		00D 963 0257 004	TER,RCA 2PIN	for 700AE, 700AEDAB	G601206B0100YS		
JACK603		00D 963 0257 101	TER,RCA 3PIN	for 700AE, 700AEDAB	G606303B1010YS		
L501FL		00D 963 0313 003	COIL,INDUCTOR 0.5UH		D330R50000000S		
L501FR		00D 963 0313 003	COIL,INDUCTOR 0.5UH		D330R50000000S		
RLY501,502		00D 960 0181 702	RELAY G5PA-28 24V 5A		G680240502020S		
RLY503		00D 963 0218 506	RELAY BC3-24 24V 2A		G680240202040S		
RLY504		00D 963 0218 205	RELAY HL3-1A-9SH DC9V 1A		G680090102020S		
SW326		00D 963 0145 802	SW,PUSH SDDL-005-S(C-UL)		G000122006060S		
TP501,502	nsp	00D 960 0161 405	CN.WAFER 2.0MM 3P		L101530140310S		
⚠ FS501		00D 963 0104 801	FUSE GLASS TUBE T3.15A /250V		N751223151110S		
⚠ FS502		00D 963 0104 704	FUSE GLASS TUBE T2.5A /250V	for 700AE, 500AE	N751222501110S		
⚠ T501		00D 963 0215 606	POWER TRANS 230V/50HZ		8200350150210S		
		-	COVER CAPACITOR		4310002640010S		
		-	LABEL RATING	for 700AE,500AE	5527200040350S		
		-	LABEL RATING	for 700AEDAB	5527200040360S		

FRONT P.W.B. UNIT ASSY

Ref. No.	nsp	Part No.	Part Name	Remarks		Q'ty	New
SEMICONDUCTORS GROUP							
IC301		00D 960 0180 004	IC LC75721E	for 500AE	J127757210010S		
IC401		00D 963 0354 606	IC CPU MICRO PROCESS(D031)	for 700AE, 700AEDAB M3062LFGPFP	8952700000010		
IC401		00D 963 0354 703	IC CPU MICRO PROCESS(L009)	for 500AE M3062LFGPFP	8952500000010		
IC402		00D 963 0057 602	IC TDA7330BD		J080733000010S		
IC403		00D 960 0100 301	IC KIA7812API		J126781200040S		
IC404		00D 963 0267 007	IC M24C64	for 700AE, 700AEDAB	J000240640010S		
IC404		00D 963 0313 605	IC 24LC16B	for 500AE	J000241600050S		
Q301		00D 963 0121 402	TR KRA104S	for 700AE, 700AEDAB	J520010400210S		
Q303		00D 960 0005 202	TR KTC3198Y	for 700AE, 700AEDAB	J5023198Y0000S		
Q303		00D 963 0121 606	TR KRC107S (NH)	for 500AE	J522107S00210S		
Q304		00D 963 0121 402	TR KRA104S	for 500AE	J520010400210S		
Q305,306		00D 963 0120 704	TR KRA102S(PB)	for 500AE	J520010200210S		
Q307		00D 963 0120 801	TR 2SC KRC102S (NB)	for 500AE	J522010200210S		
Q308-310		00D 963 0120 704	TR KRA102S(PB)	for 500AE	J520010200210S		
Q311,312		00D 963 0120 801	TR 2SC KRC102S (NB)	for 500AE	J522010200210S		
Q317		00D 963 0121 606	TR KRC107S (NH)	for 500AE	J522107S00210S		
Q318		00D 963 0120 704	TR KRA102S(PB)	for 500AE	J520010200210S		
Q319,320		00D 963 0121 606	TR KRC107S (NH)	for 500AE	J522107S00210S		
Q321		00D 963 0120 704	TR KRA102S(PB)	for 500AE	J520010200210S		
Q334		00D 963 0120 704	TR KRA102S(PB)	for 700AE, 700AEDAB	J520010200210S		
Q335		00D 963 0121 606	TR KRC107S (NH)	for 700AE, 700AEDAB	J522107S00210S		
Q336		00D 963 0120 704	TR KRA102S(PB)	for 700AE, 700AEDAB	J520010200210S		
Q337		00D 963 0121 606	TR KRC107S (NH)	for 700AE, 700AEDAB	J522107S00210S		
Q401		00D 963 0120 704	TR KRA102S(PB)		J520010200210S		
Q404		00D 963 0121 509	TR KTC3875S		J522038750210S		
Q405		00D 960 0285 006	TR KRC104S (ND)		J522104S00210S		
Q407		00D 963 0245 003	TR 2SC KRC106S (NF)		J522010600210S		
Q408,409		00D 963 0044 301	TR KTC2875B(MB)		J5222875B0010S		
Q410		00D 963 0245 003	TR 2SC KRC106S (NF)		J522010600210S		
Q411		00D 963 0102 803	TR 2SA933S		J5000933S0050S		
Q412,413		00D 963 0044 301	TR KTC2875B(MB)		J5222875B0010S		
Q414		00D 963 0120 704	TR KRA102S(PB)		J520010200210S		
Q415,416		00D 963 0120 704	TR KRA102S(PB)	for 700AE, 700AEDAB	J520010200210S		
Q417		00D 963 0120 704	TR KRA102S(PB)		J520010200210S		
Q418		00D 963 0121 509	TR KTC3875S		J522038750210S		
Q419		00D 963 0102 803	TR 2SA933S		J5000933S0050S		
Q607-610		00D 963 0044 301	TR KTC2875B(MB)	for 700AE, 700AEDAB	J5222875B0010S		
Q613-616		00D 963 0044 301	TR KTC2875B(MB)	for 700AE, 700AEDAB	J5222875B0010S		
D301		00D 963 0020 309	D,SWITCHING 1SS133T		K000013300520S		
D301H		00D 963 0219 709	D,SWITCHING 1N4148W		K005041480020S		
D302		00D 963 0020 309	D,SWITCHING 1SS133T		K000013300520S		
D302H		00D 963 0219 709	D,SWITCHING 1N4148W		K005041480020S		
D303		00D 963 0020 309	D,SWITCHING 1SS133T		K000013300520S		
D303H		00D 963 0219 709	D,SWITCHING 1N4148W		K005041480020S		
D304		00D 963 0020 309	D,SWITCHING 1SS133T		K000013300520S		
D304H		00D 963 0219 709	D,SWITCHING 1N4148W		K005041480020S		
D305-307		00D 963 0020 309	D,SWITCHING 1SS133T	for 700AE, 700AEDAB	K000013300520S		
D305-307		00D 963 0219 709	D,SWITCHING 1N4148W	for 500AE	K005041480020S		
D308		00D 963 0020 309	D,SWITCHING 1SS133T	for 700AE, 700AEDAB	K000013300520S		
D310		00D 963 0020 309	D,SWITCHING 1SS133T	for 500AE	K000013300520S		
D404		00D 963 0020 309	D,SWITCHING 1SS133T		K000013300520S		
D405		00D 963 0219 709	D,SWITCHING 1N4148W		K005041480020S		

Ref. No.	nsp	Part No.	Part Name	Remarks		Q'ty	New
D407,408 D409 D410,411 ZD301		00D 963 0219 709 00D 963 0058 407 00D 963 0020 309 00D 960 0095 801	D,SWITCHING 1N4148W D,SWITCHING IN4007 D,SWITCHING 1SS133T D,ZENER MTZJ6.8B		K005041480020S K000400700520S K000013300520S K06006R844520S		
ZD302,303 ZD304,305 ZD306,307 ZD401		00D 960 0095 607 00D 960 0095 607 00D 960 0095 607 00D 963 0047 502	D,ZENER MTZJ5.6B D,ZENER MTZJ5.6B D,ZENER MTZJ5.6B D,ZENER MTZJ3.3B	for 700AE, 700AEDAB for 500AE	K06005R644520S K06005R644520S K06005R644520S K06003R344520S		
LED301,302 FLT301 FL301		00D 960 0197 204 00D 963 0300 906 00D 963 0257 305	LED,ROUND PI5-RD/HL50RDRF4T DISPLAY,FLT 16-ST-87GINK DISPLAY,FLT GREEN	for 500AE for 700AE, 700AEDAB for 500AE	K500052015010S K530168700010S K530161300020S		
RESISTORS GROUP							
R302H R303H		00D 960 9009 270 00D 960 9009 270	R,METAL FILM 470-J,2W R,METAL FILM 470-J,2W		C060047166520S C060047166520S		
R403 R458 R459 R463 R471		00D 963 0128 007 00D 963 0128 007 00D 963 0128 007 00D 963 0128 007 00D 963 0128 007	R,METAL FILM 1K-J,1/4W R,METAL FILM 1K-J,1/4W R,METAL FILM 1K-J,1/4W R,METAL FILM 1K-J,1/4W R,METAL FILM 1K-J,1/4W	 for 700AE, 700AEDAB for 700AE, 700AEDAB	C060010263050S C060010263050S C060010263050S C060010263050S C060010263050S		
CAPACITORS GROUP							
C301 C301H		- 00D 963 0233 206	C,FILM 0.1UF-J/100V C,CERAMIC 0.001UF-K/50V		D02010406C060S D005102177530S		
C302 C302 C302H C303 C303		00D 963 0020 202 00D 963 0311 209 00D 963 0233 206 00D 960 9010 366 00D 963 0311 005	C,CERAMIC 0.1UF-Z/50V C,ELECT 10UF-M/50V C,CERAMIC 0.001UF-K/50V C,ELECT 47UF-M/16V C,ELECT 1UF-M/50V(Pb Free)	for 700AE, 700AEDAB for 500AE for 700AE, 700AEDAB for 500AE	D005104597530S D040100087060S D005102177530S D040470083070S D040010087090S		
C303H C304 C304 C304H C305	nsp	00D 963 0233 303 00D 963 0224 105 - 00D 963 0332 709 00D 963 0311 005	C,CERAMIC 0.01UF-M/16V C,CERAMIC 1000PF-K/50V C,FILM 0.047UF-J/50V C,CERAMIC 0.1UF-K/50V C,ELECT 1UF-M/50V(Pb Free)	for 700AE, 700AEDAB for 500AE for 700AE, 700AEDAB	D005103773530S D011102777160S D020473167050S D011104577162S D040010087090S		
C305 C305H C306 C307 C307		00D 960 9010 366 00D 963 0332 709 00D 963 9010 641 - -	C,ELECT 47UF-M/16V C,CERAMIC 0.1UF-K/50V C,CERAMIC 0.047UF-K/16V C,FILM 0.047UF-J/100V C,FILM 0.047UF-J/100V	for 500AE for 700AE, 700AEDAB for 500AE	D040470083070S D011104577162S D011473773160S D02047306C060S D02047306C070S		
C308 C308 C309 C309 C310	nsp nsp nsp	00D 963 0311 209 00D 960 9010 366 00D 963 0020 202 00D 963 0224 105 00D 963 0223 601	C,ELECT 10UF-M/50V C,ELECT 47UF-M/16V C,CERAMIC 0.1UF-Z/50V C,CERAMIC 1000PF-K/50V C,CERAMIC 100PF-J/50V	for 700AE, 700AEDAB for 500AE for 700AE, 700AEDAB for 500AE for 700AE, 700AEDAB	D040100087060S D040470083070S D005104597530S D011102777160S D010101167160S		
C310 C311,312 C313 C313 C314,315	nsp nsp nsp nsp	00D 963 0233 701 00D 963 0223 601 00D 963 0233 303 00D 963 0223 601 00D 963 0233 303	C,CERAMIC 30PF-J/50V C,CERAMIC 100PF-J/50V C,CERAMIC 0.01UF-M/16V C,CERAMIC 100PF-J/50V C,CERAMIC 0.01UF-M/16V	for 500AE for 700AE, 700AEDAB for 500AE for 700AE, 700AEDAB	D010300167160S D010101167160S D005103773530S D010101167160S D005103773530S		
C314,315 C316 C317 C318,319	nsp	00D 963 9004 698 00D 963 0233 303 00D 963 9010 641 00D 963 0020 202	C,CERAMIC 0.01UF-K/50V C,CERAMIC 0.01UF-M/16V C,CERAMIC 0.047UF-K/16V C,CERAMIC F0.1UF-Z/50V	for 500AE for 700AE, 700AEDAB for 700AE, 700AEDAB for 700AE, 700AEDAB	D011103777160S D005103773530S D011473773160S D005104597530S		

Ref. No.	nsp	Part No.	Part Name	Remarks		Q'ty	New
C318,319	nsp	00D 963 9004 698	C,CERAMIC 0.01UF-K/50V	for 500AE	D011103777160S		
C320		-	C,FILM 0.047UF-J/100V	for 700AE, 700AEDAB	D02047306C060S		
C320		-	C,FILM 0.047UF-J/50V	for 500AE	D020473167050S		
C321		00D 963 0311 005	C,ELECT 1UF-M/50V(Pb Free)		D040010087090S		
C401	nsp	00D 963 9004 698	C,CERAMIC 0.01UF-K/50V		D011103777160S		
C402,403	nsp	00D 963 0223 601	C,CERAMIC 100PF-J/50V		D010101167160S		
C404		00D 963 0244 606	C,ELECT 0.1UF-M/50V (Pb Free)		D040R10087080S		
C405	nsp	00D 963 0223 601	C,CERAMIC 100PF-J/50V		D010101167160S		
C406,407	nsp	00D 963 9004 698	C,CERAMIC 0.01UF-K/50V		D011103777160S		
C408-410	nsp	00D 963 0223 601	C,CERAMIC 100PF-J/50V		D010101167160S		
C411,412		00D 963 0332 709	C,CERAMIC 0.1UF-K/50V		D011104577162S		
C413,414	nsp	00D 963 9004 698	C,CERAMIC 0.01UF-K/50V		D011103777160S		
C415		00D 963 0244 606	C,ELECT 0.1UF-M/50V (Pb Free)	for 700AE, 700AEDAB	D040R10087080S		
C416		00D 963 0244 606	C,ELECT 0.1UF-M/50V (Pb Free)		D040R10087080S		
C417		00D 963 9004 614	C,CERAMIC 27PF-J/50V		D010270167160S		
C418		00D 960 9010 010	C,ELECT GE 85C 4.7UF-M/50V		D0404R7087250S		
C419	nsp	00D 963 0311 306	C,ELECT 10UF-M/50V		D040100087070S		
C420	nsp	00D 963 9004 698	C,CERAMIC 0.01UF-K/50V		D011103777160S		
C421		00D 963 9004 614	C,CERAMIC 27PF-J/50V		D010270167160S		
C422	nsp	00D 963 9004 698	C,CERAMIC 0.01UF-K/50V		D011103777160S		
C423		00D 963 0244 606	C,ELECT 0.1UF-M/50V (Pb Free)	for 700AE, 700AEDAB	D040R10087080S		
C425		00D 963 9005 862	C,ELECT GE 85C 47UF-M/16V		D040470083080S		
C426		00D 963 0311 500	C,ELECT 100UF-M/10V		D040101082070S		
C428	nsp	00D 963 9004 698	C,CERAMIC 0.01UF-K/50V		D011103777160S		
C429,430		00D 963 0311 306	C,ELECT 10UF-M/50V		D040100087070S		
C431		00D 963 0332 709	C,CERAMIC 0.1UF-K/50V		D011104577162S		
C432		00D 963 0244 606	C,ELECT 0.1UF-M/50V (Pb Free)		D040R10087080S		
C433		00D 963 0223 708	C,CERAMIC 270PF-J/50V		D010271167160S		
C434	nsp	00D 963 9004 698	C,CERAMIC 0.01UF-K/50V		D011103777160S		
C622-625	nsp	00D 963 0223 601	C,CERAMIC 100PF-J/50V	for 700AE, 700AEDAB	D010101167160S		
C626		00D 963 0332 709	C,CERAMIC 0.1UF-K/50V	for 700AE, 700AEDAB	D011104577162S		
OTHERS PARTS GROUP							
BD401,402	nsp	00D 963 0220 002	BEAD,COIL 121JT		761101000020S		
CN302		00D 963 0314 400	CN,WIRE 240MM/3P		L000241030010S		
CN303		00D 963 0314 604	CN,WIRE 60MM/4P		L000600040060S		
CN304		00D 963 0246 002	CN,WIRE 80MM/3P		L000800030110S		
CN307		00D 963 0314 701	CN,WIRE 60MM/5P		L000600050030S		
CN412		00D 963 0335 201	CN,WIRE 260MM/15P	for 700AE, 700AEDAB	L000261150010S		
CP102	nsp	00D 963 0085 506	CN.WAFER 9P	for 700AE, 700AEDAB	L101100030910S		
CP301		00D 963 0315 409	CN.FPC 1.25MM 23P		L131102300010S		
CP302	nsp	00D 963 0236 009	CN.WAFER 2.5MM 3P		L102526803010S		
CP306	nsp	00D 963 0235 806	CN.WAFER 2.0MM		L101220030000S		
CP401		00D 963 0149 303	CN.FPC 1.25MM 15P		L131111500010S		
CP402		00D 963 0087 601	CN.WAFER 2.0MM 18P		L101100041810S		
CP403		00D 963 0315 001	CN.WAFER 2.0MM 20P		L101100042010S		
CP404	nsp	00D 963 0206 505	CN.WAFER 2.0MM 9P	for 700AE, 700AEDAB	L101100040910S		
CP406		00D 963 0161 103	CN.FPC 1.25MM 23P		L131112300010S		
CP408	nsp	00D 963 0060 709	CN.WAFER 2.0MM 8P		L101220080000S		
CP410	nsp	00D 963 0087 504	CN.WAFER 2.0MM 19P		L101100041910S		
CP411		00D 963 0315 001	CN.WAFER 2.0MM 20P		L101100042010S		
CP413	nsp	00D 963 0206 505	CN.WAFER 2.0MM 9P	for 700AE, 700AEDAB	L101100040910S		
CP414,415	nsp	00D 963 0097 507	CN.WAFER 2.0MM 15P		L101100041510S		
G301		-	RING,TER WIRE 120MM/1P		8410121010060S		

Ref. No.	nsp	Part No.	Part Name	Remarks		Q'ty	New
JACK104		00D 963 0146 209	TER,RCA 4PIN	for 700AE, 700AEDAB	G602405B01000S		
JK301		00D 963 0294 708	JACK,D6.5 PHONE		G402PJ612AG0YS		
L301	nsp	00D 960 0128 008	COIL,INDUCTOR 100UH		D330101001020S		
L302-304	nsp	00D 960 0010 307	COIL,FILTER-INDUCTOR 10UH	for 500AE	D330100700520S		
RMC301		00D 963 0217 808	COIL,INDUCTOR 100UH 38KHZ		E940343800010S		
SW301		00D 963 0095 305	SW,TACT SKHV10910D01	for 700AE, 700AEDAB	G180040500010S		
SW302-309		00D 963 0095 305	SW,TACT SKHV10910D01		G180040500010S		
SW310		00D 963 0095 305	SW,TACT SKHV10910D01	for 700AE, 700AEDAB	G180040500010S		
SW310		00D 963 0200 103	SW,TACT SKHV10920A	for 500AE	G180000270010S		
SW311		00D 963 0200 103	SW,TACT SKHV10920A	for 700AE, 700AEDAB	G180000270010S		
SW311		00D 963 0095 305	SW,TACT SKHV10910D01	for 500AE	G180040500010S		
SW312		00D 963 0095 305	SW,TACT SKHV10910D01		G180040500010S		
SW313		00D 963 0200 103	SW,TACT SKHV10920A		G180000270010S		
SW314		00D 963 0200 103	SW,TACT SKHV10920A	for 700AE, 700AEDAB	G180000270010S		
SW314		00D 963 0095 305	SW,TACT SKHV10910D01	for 500AE	G180040500010S		
SW315		00D 963 0095 305	SW,TACT SKHV10910D01	for 700AE, 700AEDAB	G180040500010S		
SW315		00D 963 0200 103	SW,TACT SKHV10920A	for 500AE	G180000270010S		
SW316		00D 963 0200 103	SW,TACT SKHV10920A		G180000270010S		
SW317		00D 963 0200 103	SW,TACT SKHV10920A	for 700AE, 700AEDAB	G180000270010S		
SW317		00D 963 0095 305	SW,TACT SKHV10910D01	for 500AE	G180040500010S		
SW318-322		00D 963 0200 103	SW,TACT SKHV10920A		G180000270010S		
SW323		00D 963 0200 103	SW,TACT SKHV10920A	for 500AE	G180000270010S		
VEC301		00D 963 0095 208	SW,TACT SKHV10920A		G121162400040S		
VEC302		00D 963 0095 208	SW,TACT SKHV10920A	for 700AE, 700AEDAB	G121162400040S		
VEC303		00D 963 0095 208	SW,TACT SKHV10920A	for 500AE	G121162400040S		
XTL401		00D 963 0217 701	RESONATOR ZTT12.00MT-TF		E830120000060S		
XTL402		00D 963 0313 207	CRYSTAL 4.332MHZ		E800433200090S		
LUG301		-	RING,TER WIRE 60MM	for 700AE, 700AEDAB	8410600180030S		
JP402		00D 963 0258 003	R,CHIP 0-J,1/8W		C200000061300S		
JP403		00D 963 0258 003	R,CHIP 0-J,1/8W		C200000061300S		
JP404		00D 963 0258 003	R,CHIP 0-J,1/8W		C200000061300S		
JP405		00D 963 0258 003	R,CHIP 0-J,1/8W		C200000061300S		
JP408		00D 963 0258 003	R,CHIP 0-J,1/8W		C200000061300S		
JP416		00D 963 0258 003	R,CHIP 0-J,1/8W		C200000061300S		
JP417		00D 963 0258 003	R,CHIP 0-J,1/8W		C200000061300S		
JP418		00D 963 0258 003	R,CHIP 0-J,1/8W		C200000061300S		
JP419		00D 963 0258 003	R,CHIP 0-J,1/8W		C200000061300S		
JP420		00D 963 0258 003	R,CHIP 0-J,1/8W	for 700AE, 700AEDAB	C200000061300S		
JP422		00D 963 0258 003	R,CHIP 0-J,1/8W		C200000061300S		
JP423		00D 963 0258 003	R,CHIP 0-J,1/8W		C200000061300S		
JP424		00D 963 0258 003	R,CHIP 0-J,1/8W		C200000061300S		
JP425		00D 963 0258 003	R,CHIP 0-J,1/8W		C200000061300S		
JP426		00D 963 0258 003	R,CHIP 0-J,1/8W	for 700AE, 700AEDAB	C200000061300S		
JP427		00D 963 0258 003	R,CHIP 0-J,1/8W		C200000061300S		
JP428		00D 963 0258 003	R,CHIP 0-J,1/8W		C200000061300S		
	nsp	-	HOLDER FLT	for 700AE, 700AEDAB	4320210536000S		
		00D 960 0184 408	HOLDER FLT	for 500AE	4320200026000S		

INPUT P.W.B. UNIT ASS'Y

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
SEMICONDUCTORS GROUP						
IC101		00D 963 0295 202	IC NJW1197		J084119700010S	
IC104		00D 963 0202 305	IC NJM2068M		J121206800020S	
IC107		00D 963 0202 305	IC NJM2068M	for 700AE, 700AEDAB	J121206800020S	
IC108-113		00D 963 0202 305	IC NJM2068M		J121206800020S	
IC120		00D 963 0202 305	IC NJM2068M		J121206800020S	
Q151FL		00D 960 0196 807	TR 2SK117Y		J5441170Y0050S	
Q151FR		00D 960 0196 807	TR 2SK117Y		J5441170Y0050S	
Q152FL		00D 960 0196 807	TR 2SK117Y		J5441170Y0050S	
Q152FR		00D 960 0196 807	TR 2SK117Y		J5441170Y0050S	
Q153,154		00D 963 0121 402	TR KRA104S		J520010400210S	
Q155		00D 960 0285 006	TR KRC104S (ND)		J522104S00210S	
D151FL		00D 963 0219 709	D,SWITCHING 1N4148W		K005041480020S	
D151FR		00D 963 0219 709	D,SWITCHING 1N4148W		K005041480020S	
D152FL		00D 963 0219 709	D,SWITCHING 1N4148W		K005041480020S	
D152FR		00D 963 0219 709	D,SWITCHING 1N4148W		K005041480020S	
ZD101,102		00D 963 0314 206	D,ZENER MTZJ7.5B		K06007R544520S	
RESISTORS GROUP						
R432,433		00D 963 9005 668	R,METAL FILM 220-J,1W		C060022165050S	
R436,437		00D 963 9005 639	R,METAL FILM 100-J,1W		C060010165060S	
CAPACITORS GROUP						
C101,102	nsp	00D 963 0233 604	C,CERAMIC 220PF-J/50V	for 700AE, 700AEDAB	D010221167160S	
C103,104		00D 963 0311 306	C,ELECT 10UF-M/50V	for 700AE, 700AEDAB	D040100087070S	
C105,106		00D 963 0312 305	C,ELECT 220UF-M/16V	for 700AE, 700AEDAB	D040221083110S	
C107,108	nsp	00D 963 0087 601	C,CERAMIC 1000PF-K/50V	for 700AE, 700AEDAB	D011102777160S	
C109,110		-	C,FILM 0.024UF-J/50V	for 700AE, 700AEDAB	D020243167050S	
C111,112		-	C,FILM 0.0068UF-J/50V	for 700AE, 700AEDAB	D020682167050S	
C113,114		00D 963 0311 306	C,ELECT 10UF-M/50V	for 700AE, 700AEDAB	D040100087070S	
C119,120	nsp	00D 963 0223 601	C,CERAMIC 100PF-J/50V		D010101167160S	
C121		00D 963 9003 372	R,CHIP 0-J,1/16W		C2000006M160S	
C122	nsp	00D 963 0223 601	C,CERAMIC 100PF-J/50V		D010101167160S	
C123		00D 963 0332 709	C,CERAMIC 0.1UF-K/50V	for 700AE, 700AEDAB	D011104577162S	
C124	nsp	00D 963 0223 601	C,CERAMIC 100PF-J/50V		D010101167160S	
C126-128	nsp	00D 963 0223 601	C,CERAMIC 100PF-J/50V		D010101167160S	
C130	nsp	00D 963 0223 601	C,CERAMIC 100PF-J/50V		D010101167160S	
C131		00D 963 9003 372	R,CHIP 0-J,1/16W		C2000006M160S	
C132	nsp	00D 963 0223 601	C,CERAMIC 100PF-J/50V		D010101167160S	
C133-146		00D 963 0311 306	C,ELECT 10UF-M/50V		D040100087070S	
C147		00D 960 9010 010	C,ELECT GE 85C 4.7UF-M/50V		D0404R7087250S	
C148		00D 963 0332 709	C,CERAMIC 0.1UF-K/50V		D011104577162S	
C149		00D 963 0276 108	C,CERAMIC 3300PF-K/50V		D011332777160S	
C150		00D 963 0310 909	C,ELECT GE 85C 1UF-M/50V		D040010087070S	
C151		00D 960 9010 010	C,ELECT GE 85C 4.7UF-M/50V		D0404R7087250S	
C152		00D 963 0332 709	C,CERAMIC 0.1UF-K/50V		D011104577162S	
C153		00D 963 0276 108	C,CERAMIC 3300PF-K/50V		D011332777160S	
C154-161		00D 963 9005 862	C,ELECT GE 85C 47UF-M/16V		D040470083080S	
C162,163		00D 963 0311 306	C,ELECT 10UF-M/50V		D040100087070S	
C164		00D 963 0310 909	C,ELECT GE 85C 1UF-M/50V		D040010087070S	
C165-170		00D 963 0311 306	C,ELECT 10UF-M/50V		D040100087070S	
C171,172		00D 963 0311 306	C,ELECT 10UF-M/50V	for 700AE, 700AEDAB	D040100087070S	
C173,174		00D 963 0311 607	C,ELECT 100UF-M/16V		D040101083090S	
C175,176		00D 963 0332 709	C,CERAMIC 0.1UF-K/50V		D011104577162S	
C177		00D 963 0332 709	C,CERAMIC 0.1UF-K/50V	for 700AE, 700AEDAB	D011104577162S	

Ref. No.	nsp	Part No.	Part Name	Remarks		Q'ty	New
C181		-	C,CERAMIC 0.1UF-K/50V	for 700AE, 700AEDAB	D011104577161S		
C182-184	nsp	00D 963 0223 601	C,CERAMIC 100PF-J/50V		D010101167160S		
C185,186		00D 963 0311 306	C,ELECT 10UF-M/50V		D040100087070S		
C186FL		00D 963 0311 306	C,ELECT 10UF-M/50V		D040100087070S		
C186FR		00D 963 0311 306	C,ELECT 10UF-M/50V		D040100087070S		
C187		00D 963 0311 306	C,ELECT 10UF-M/50V		D040100087070S		
C187SW	nsp	00D 963 0233 808	C,CERAMIC 47PF-J/50V	for 700AE, 700AEDAB	D010470167160S		
C188		00D 963 0311 306	C,ELECT 10UF-M/50V		D040100087070S		
C188FL		-	C,FILM 0.068UF-K/63V		D020683078060S		
C188FR		-	C,FILM 0.068UF-K/63V		D020683078060S		
C188SW	nsp	00D 963 0223 601	C,CERAMIC 100PF-J/50V	for 700AE, 700AEDAB	D010101167160S		
C189	nsp	00D 963 0223 601	C,CERAMIC 100PF-J/50V		D010101167160S		
C189FL		-	C,FILM 0.024UF-J/50V		D020243167050S		
C189FR		-	C,FILM 0.024UF-J/50V		D020243167050S		
C189L2		00D 963 0311 306	C,ELECT 10UF-M/50V	for 700AE, 700AEDAB	D040100087070S		
C189L3		00D 963 0311 306	C,ELECT 10UF-M/50V	for 700AE, 700AEDAB	D040100087070S		
C189R2		00D 963 0311 306	C,ELECT 10UF-M/50V	for 700AE, 700AEDAB	D040100087070S		
C189R3		00D 963 0311 306	C,ELECT 10UF-M/50V	for 700AE, 700AEDAB	D040100087070S		
C189SW		00D 963 0311 306	C,ELECT 10UF-M/50V	for 700AE, 700AEDAB	D040100087070S		
C190,191		00D 963 0311 306	C,ELECT 10UF-M/50V		D040100087070S		
C192		00D 963 9005 875	C,ELECT 47UF-M/25V		D040470084070S		
C194,195		00D 963 9005 875	C,ELECT 47UF-M/25V		D040470084070S		
C198		00D 963 0311 306	C,ELECT 10UF-M/50V		D040100087070S		
C201-203		00D 963 0311 306	C,ELECT 10UF-M/50V		D040100087070S		
C204,205		00D 963 0332 709	C,CERAMIC0.1UF-K/50V		D011104577162S		
C208-217		00D 963 0332 709	C,CERAMIC0.1UF-K/50V	for 700AE, 700AEDAB	D011104577162S		
C218,219		00D 963 0332 709	C,CERAMIC0.1UF-K/50V	for 700AE, 700AEDAB	D011104577162S		
C220		00D 963 9005 875	C,ELECT 47UF-M/25V		D040470084070S		
C221,222		00D 963 0332 709	C,CERAMIC 0.1UF-K/50V		D011104577162S		
C926		00D 963 0332 709	C,CERAMIC 0.1UF-K/50V	for 700AE, 700AEDAB	D011104577162S		
OTHERS PARTS GROUP							
BD906,907	nsp	00D 963 0220 002	BEAD,COIL 121JT	for 700AE, 700AEDAB	7611010000020S		
CN102		00D 963 0314 303	CN,WIRE 180MM/4P		L000181040080S		
CP101		00D 963 0314 905	CN.WAFER 2.0MM 20P		L101100032010S		
CP102	nsp	00D 963 0086 204	CN.WAFER 2.0MM 19P		L101100031910S		
CP902		00D 963 0315 108	CN.WAFER 2.0MM 16P	for 700AE, 700AEDAB	L101201601010S		
CP903		00D 963 0107 206	CN.WAFER 2.0MM 15P	for 700AE, 700AEDAB	L101220150010S		
JACK103		00D 960 0268 803	TER,RCA 6PIN		G603603B09000S		
JACK104		00D 963 0146 209	TER,RCA 4PIN		G602405B01000S		
JACK106		00D 963 0158 501	TER,RCA 2PIN	for 700AE, 700AEDAB	G601207AE010Y S		
L101,102		00D 963 0335 308	COIL INDUCTOR 47UH	for 700AE, 700AEDAB	D330470104010S		
L103-107	nsp	00D 963 0220 002	BEAD,COIL 121JT		7611010000020S		
LUG101,102	nsp	00D 960 0260 005	CLAMP WIRE(SOLDER)	for 700AE, 700AEDAB	4330000120000S		

AUDIO P.W.B. UNIT ASS'Y

Ref. No.	nsp	Part No.	Part Name	Remarks		Q'ty	New
SEMICONDUCTORS GROUP							
IC201		00D 960 0174 104	IC CXA1511M-T4	for 700AE, 700AEDAB	J030151100010S		
IC206		00D 262 2813 903	IC SN74AHCT08-EL2		J040740800190S		
Q201		00D 963 0044 301	TR KTC2875B(MB)	for 700AE, 700AEDAB	J5222875B0010S		
Q204		00D 963 0044 301	TR KTC2875B(MB)	for 700AE, 700AEDAB	J5222875B0010S		
Q205		00D 963 0121 703	TR 2SA KRA107S (PH)	for 700AE, 700AEDAB	J5200107S0050S		
D208,209		00D 963 0219 709	D,SWITCHING 1N4148W		K005041480020S		
ZD201		00D 960 0095 704	D,ZENER MTZJ6.2B	for 700AE, 700AEDAB	K06006R244520S		
CAPACITORS GROUP							
C201		00D 963 0332 709	C,CERAMIC 0.1UF-K/50V		D011104577162S		
C202		00D 963 0311 102	C,ELECT 1UF-M/50V (Pb Free)	for 700AE, 700AEDAB	D040010087150S		
C203		00D 963 0332 709	C,CERAMIC 0.1UF-K/50V		D011104577162S		
C204	nsp	00D 963 9004 698	C,CERAMIC 0.01UF-K/50V	for 700AE, 700AEDAB	D011103777160S		
C206	nsp	00D 963 0223 601	C,CERAMIC 100PF-J/50V		D010101167160S		
C209	nsp	00D 963 0223 601	C,CERAMIC 100PF-J/50V	for 700AE, 700AEDAB	D010101167160S		
C212	nsp	00D 963 0223 601	C,CERAMIC 100PF-J/50V		D010101167160S		
C214	nsp	00D 963 0223 601	C,CERAMIC 100PF-J/50V	for 700AE, 700AEDAB	D010101167160S		
C215-218	nsp	00D 963 0223 601	C,CERAMIC 100PF-J/50V		D010101167160S		
C219		00D 960 9010 010	C,ELECT GE 85C 4.7UF-M/50V	for 700AE, 700AEDAB	D0404R7087250S		
C220		-	C,FILM 0.012UF-J/100V	for 700AE, 700AEDAB	D02012306C060S		
C225,226		00D 963 0311 306	C,ELECT 10UF-M/50V		D040100087070S		
C228,229		00D 963 0311 306	C,ELECT 10UF-M/50V		D040100087070S		
C231		-	C,FILM 0.012UF-J/100V	for 700AE, 700AEDAB	D02012306C060S		
C232		00D 963 9005 875	C,ELECT 47UF-M/25V	for 700AE, 700AEDAB	D040470084070S		
C242		00D 963 0332 709	C,CERAMIC 0.1UF-K/50V		D011104577162S		
C243	nsp	00D 963 0224 105	C,CERAMIC 1000PF-K/50V		D011102777160S		
C244	nsp	00D 963 0233 808	C,CERAMIC 47PF-J/50V		D010470167160S		
C265		00D 963 0311 306	C,ELECT 10UF-M/50V	for 700AE, 700AEDAB	D040100087070S		
C266		00D 963 0332 709	C,CERAMIC 0.1UF-K/50V		D011104577162S		
C267		00D 963 0332 709	C,CERAMIC 0.1UF-K/50V	for 700AE, 700AEDAB	D011104577162S		
OTHERS PARTS GROUP							
BD201		00D 963 0312 800	COIL,LINE FILTER BFS2550A0F1(52MM)	for 700AE, 700AEDAB	D320255000520S		
CN203		00D 963 0314 905	CN.WAFER 2.0MM 20P		L101100032010S		
CN204		00D 963 0314 905	CN.WAFER 2.0MM 20P		L101100032010S		
GND204		-	SHIELD PLATE GND		3070045526010S		
JACK201,202		00D 963 0244 703	JACK,D3.5 EARPHONE	for 700AE, 700AEDAB	G40130802000YS		
JACK204		00D 963 0294 601	JACK,D3.5 EARPHONE		G40100350000YS		
JACK205		00D 963 0146 005	TER,RCA 1PIN	for 700AE, 700AEDAB	G600107A0000YS		
JACK206		00D 963 0146 209	TER,RCA 4PIN		G602405B01000S		

CTN P.W.B. UNIT ASS'Y

Ref. No.	nsp	Part No.	Part Name	Remarks	ETRO	Q'ty	New
OTHERS PARTS GROUP							
CN407	nsp	00D 963 0097 303	CN.WAFER 2.0MM 15P		L101100031510S		
CN409	nsp	00D 963 0097 303	CN.WAFER 2.0MM 15P		L101100031510S		
CN506	nsp	00D 963 0097 303	CN.WAFER 2.0MM 15P		L101100031510S		
CN511	nsp	00D 963 0097 303	CN.WAFER 2.0MM 15P		L101100031510S		
CP901	nsp	00D 963 0235 903	CN.WAFER 2.0MM		L101220040000S		
H901,902	nsp	00D 960 0184 000	BRACKET SCREW		4010210196000S		


FUNCTION SW P.W.B. UNIT ASS'Y


Ref. No.	nsp	Part No.	Part Name	Remarks	ETRO	Q'ty	New
SEMICONDUCTORS GROUP							
ZD310,311		00D 960 0095607	D,ZENER MTZJ5.6B		K06005R644520S		
LED303		00D 963 0148 605	LEDSML1216W(REL/GREEN)		K500052600030S		
CAPACITORS GROUP							
C329		00D 963 0233 303	C,CERAMIC 0.01UF-M/16V	for 700AE, 700AEDAB	D005103773530S		
C330		00D 963 0233 303	C,CERAMIC 0.01UF-M/16V		D005103773530S		
C331		00D 963 0233 303	C,CERAMIC 0.01UF-M/16V	for 500AE	D005103773530S		
OTHERS PARTS GROUP							
CP305		00D 963 0228 101	CN.WAFER 2.0MM		L101220040010S		
CP308		00D 960 0254 901	CN.WAFER 2.0MM		L101220050010S		
SW328,329		00D 963 0200 103	SW,TACT SKHV10920A	for 700AE, 700AEDAB	G180000270010S		
SW330		00D 963 0200 103	SW,TACT SKHV10920A		G180000270010S		
VEC305		00D 963 0095 208	SW,TACT SKHV10920A		G121162400040S		

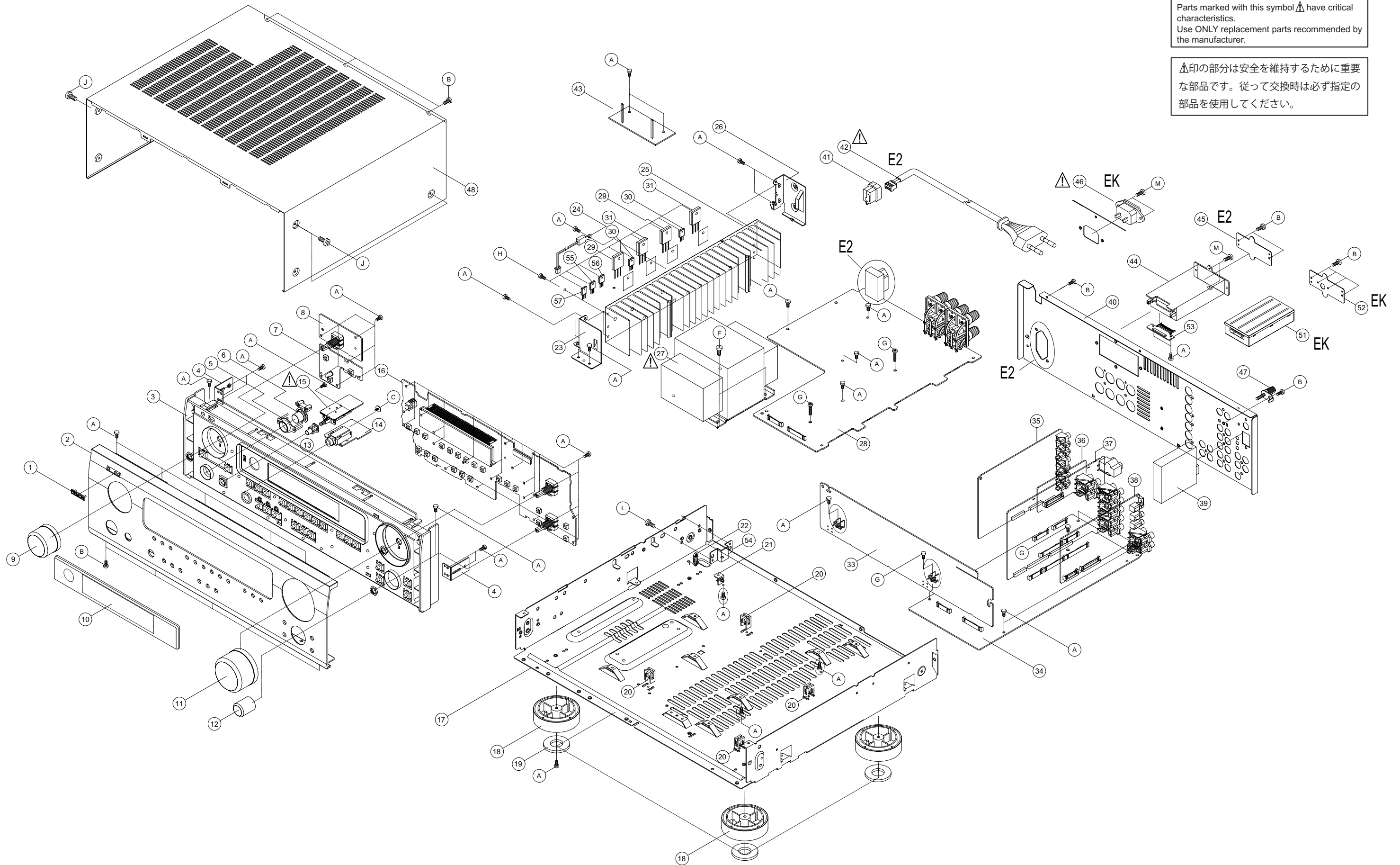
EXPLODED VIEW

DRA-700AE/700AEDAB model

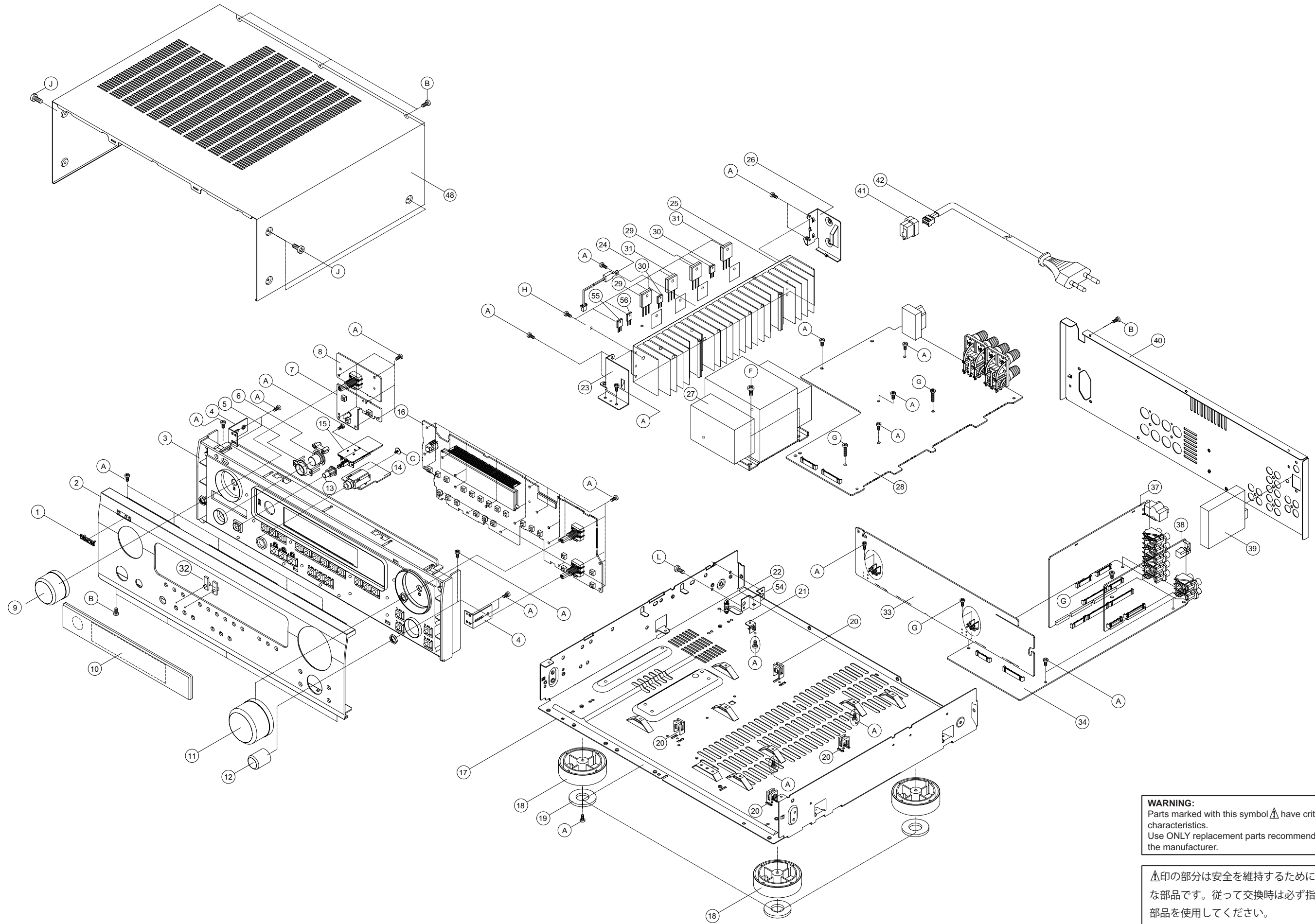
DRA-700AE/700AEDAB/500AE

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

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



DRA-500AE model



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

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

PARTS LIST OF EXPLODED VIEW

* 本表に記載されている部品は、補修用部品のため製品に使用している部品とは一部、形状、寸法などが異なる場合があります。
 * The parts listed below are for maintenance only, might differ from the parts used in the unit in appearances or dimensions.

* "nsp" 印の部品は常時在庫していませんので供給に長時間を要することがあります。場合によっては、供給をお断りする場合があります。
 * Part indicated with the mark "nsp" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.

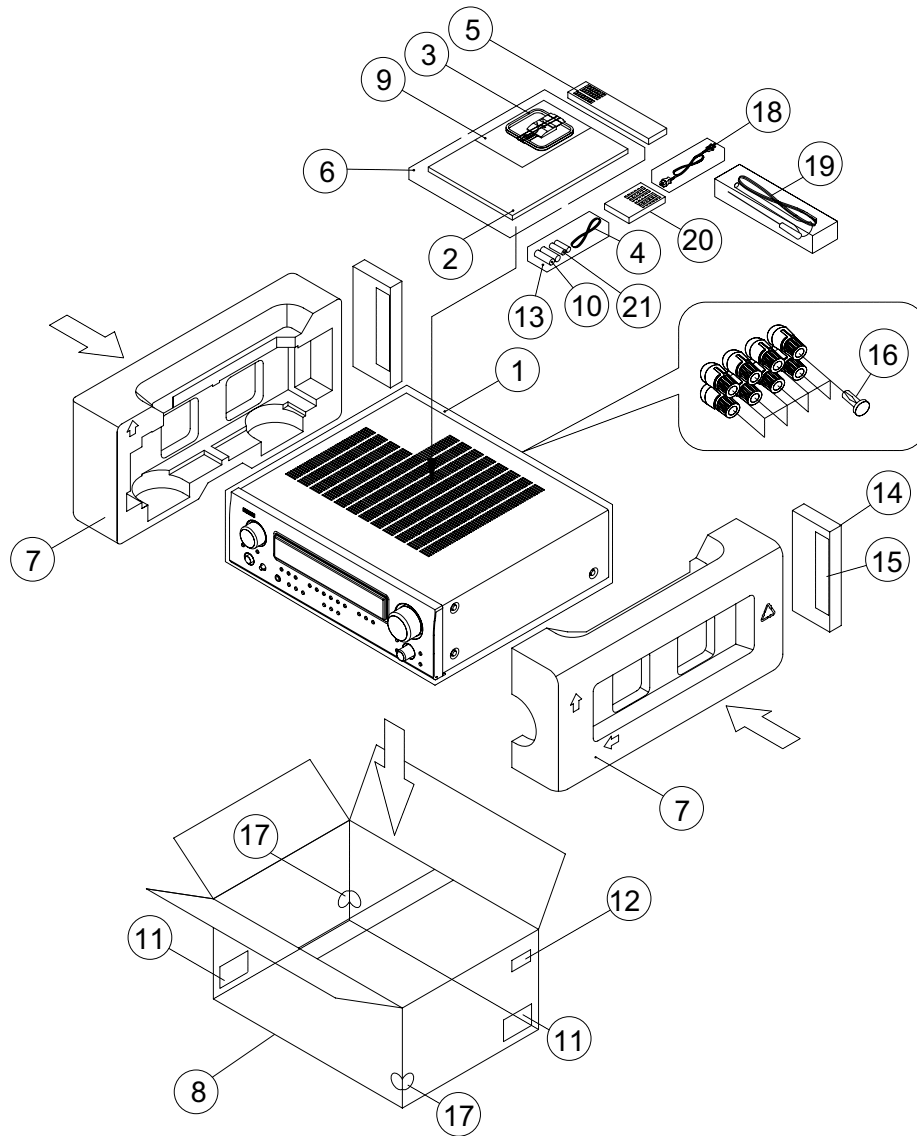
Note: The symbols in the column "Remarks" indicate the following destinations.
 700AE : Europe model 700AEDAB : U.K. model 500AE : Europe model

	Ref. No.	nsp	Part No.	Part Name	Remarks		Q'ty	New
⚠	28A		-	MAIN P.W.B. UNIT ASSY	for 700AE, 700AEDAB	7025HK0604020	1	
	28A		-	MAIN P.W.B. UNIT ASSY	for 500AE	7025HK0603020	1	
	15			POWER SW UNIT				
	28			MAIN UNIT				
	35			VIDEO UNIT	for 700AE, 700AEDAB			
	8A		-	FUNCTION SW P.W.B. UNIT ASSY	for 700AE, 700AEDAB	7025HK0604024	1	
	8A		-	FUNCTION SW P.W.B. UNIT ASSY	for 500AE	7025HK0603024	1	
	7			STANDBY UNIT				
	8			FUNCTION SW UNIT				
	16A		-	FRONT P.W.B. UNIT ASSY	for 700AE, 700AEDAB	7025HK0604021	1	
	16A		-	FRONT P.W.B. UNIT ASSY	for 500AE	7025HK0603021	1	
	14			HEAD PHONE UNIT				
	16			FRONT UNIT				
	34			CPU UNIT				
	36			ZONE UNIT	for 700AE, 700DAB			
	33		-	CNT P.W.B. UNIT ASSY	for 700AE, 700AEDAB	7025HK0604025	1	
	33		-	CNT P.W.B. UNIT ASSY	for 500AE	7025HK0603025	1	
	37A		-	INPUT P.W.B. UNIT ASSY	for 700AE, 700AEDAB	7025HK0604032	1	
	37A		-	INPUT P.W.B. UNIT ASSY	for 500AE	7025HK0603022	1	
	37			INPUT2 UNIT				
	43			GUIDE UNIT	for 700AE, 700AEDAB			
	53			CONNECT UNIT	for 700AE, 700AEDAB			
	38		-	AUDIO P.W.B. UNIT ASSY	for 700AE, 700DAB	7025HK0604022	1	
	38		-	AUDIO P.W.B. UNIT ASSY	for 500AE	7025HK0603023	1	
	1		00D 963 0051 501	BADGE DENON	for Black model	5630210028000S	1	
	1		00D 963 0051 514	BADGE DENON	for Premium Silver model	5630210028100S	1	
	2		00D 963 0303 709	PANEL FRONT	for 700AE Black model	3067212728010S	1	*
	2		00D 963 0316 000	PANEL FRONT	for 700AE Premium Silver model	3067212728000S	1	*
	2		00D 963 0303 903	PANEL FRONT	for 700AEDAB Black model	3067212728030S	1	*
	2		00D 963 0303 806	PANEL FRONT	for 700AEDAB Premium Silver model	3067212728020S	1	*
	2		00D 963 0304 106	PANEL FRONT	for 500AE Black model	3067212728110S	1	*
	2		00D 963 0304 009	PANEL FRONT	for 500AE Premium Silver model	3067212728100S	1	*
	3		00D 963 0305 105	FRAME FRONT	for 700AE, 700AEDAB Black model	3217211271000S	1	*
	3		00D 963 0305 202	FRAME FRONT	for 700AE, 700AEDAB Premium Silver model	3217211271100S	1	*
	3		00D 963 0305 309	FRAME FRONT	for 500AE Black model	3217211271200S	1	*
	3		00D 963 0305 406	FRAME FRONT	for 500AE Premium Silver model	3217211271300S	1	*
	4	nsp	00D 963 0138 000	BRACKET SIDE L/R		4010211986000S	2	
	5		00D 963 0137 807	LENS STANDBY		3710210503000S	1	
	6		00D 963 0184 106	BUTTON STANDBY	for Black model	5097212368000SZ	1	
	6		00D 963 0221 904	BUTTON STANDBY	for Premium Silver model	5097212368030SZ	1	

	Ref. No.	nsp	Part No.	Part Name	Remarks		Q'ty	New
	9		00D 963 0298 306	KNOB INPUT ASSY	for 700AE, 700AEDAB Black model	5088211278000SZ	1	*
	9		00D 963 0298 500	KNOB INPUT ASSY	for 700AE, 700AEDAB Premium Silver model	5088211278020SZ	1	*
	9		00D 963 0138 301	KNOB INPUT	for 500AE Black model	5087210961000S	1	
	9		00D 963 0240 202	KNOB INPUT	for 500AE Premium Silver model	5087210961110S	1	
	10		00D 963 0305 707	WINDOW DISPLAY	for 700AE, 700AEDAB	5077212283000S	1	*
	10		00D 963 0305 804	WINDOW DISPLAY	for 500AE	5077212283020S	1	*
	11		00D 963 0298 005	KNOB VOLUME ASSY	for 700AE, 700AEDAB Black model	5088211268000S	1	*
	11		00D 963 0298 209	KNOB VOLUME ASSY	for 700AE, 700AEDAB Premium Silver model	5088211268020SZ	1	*
	11		00D 963 0138 806	KNOB VOLUME	for 500AE Black model	5087210981000S	1	
	11		00D 963 0240 406	KNOB VOLUME	for 500AE Premium Silver model	5087210981110S	1	
	12		00D 963 0152 905	KNOB SELECT	for 700AE, 700AEDAB Black model	5087210958000SZ	1	
	12		00D 963 0264 107	KNOB SELECT	for 700AE, 700AEDAB Premium Silver model	5087210958030SZ	1	
	12		00D 963 0138 505	KNOB SELECT	for 500AE Black model	5087210971000S	1	
	12		00D 963 0240 309	KNOB SELECT	for 500AE Premium Silver model	5087210971110S	1	
	13		00D 963 0184 009	BUTTON POWER	for Black model	5097212358000SZ	1	
	13		00D 963 0230 005	BUTTON POWER	for Premium Silver model	5097212358300SZ	1	
	17		-	CHASSIS MAIN		3200210146306S	1	
	18	nsp	00D 963 0137 904	FOOT		4007210261000S	4	
	19	nsp	00D 963 0214 607	CUSHION FOOT		4050211295000S	4	
	20	nsp	00D 960 0003 301	SUPPORTER PCB		4070001601010S	4	
	21	nsp	00D 960 0184 107	BRACKET SUPPORTER		4010210206000S	1	
	22		-	SUPPORTER P.C.		4070210192000S	1	
	23	nsp	00D 960 0184 301	BRACKET HEAT SINK-F		4010210396000S	1	
	24		00D 960 0187 900	POSISTOR P43T7D330BW16		F320161001020S	1	
	25		-	HEAT SINK MAIN		2120210968100S	1	
	26	nsp	00D 960 0184 204	BRACKET HEAT SINK-B		4010210386000S	1	
⚠	27		00D 963 0307 200	POWER TRANS	for 700AE, 700AEDAB	8200880690020S	1	*
⚠	27		00D 963 0307 006	POWER TRANS	for 500AE	8200880570020S	1	*
	29		00D 963 0044 107	TR,2SB1560-Y	Q507FR, Q507FR	J5011560Y0000S	1	
	30		00D 963 0280 107	TR,2SC3964	Q505FR, Q505FL	J502396400000S	1	
	31		00D 963 0044 204	TR,2SD2390-Y	Q506FR, Q506FL	J5032390Y0000S	1	
	32		00D 960 0191 417	LENS	for 500AE	3710210043001S	2	
	39		00D 216 0125 001	TUNER PACK		E903014100030S	1	
	40	nsp	00D 963 0304 805	CHASSIS BACK	for 700AE	3207211946400S	1	*
	40	nsp	00D 963 0304 902	CHASSIS BACK	for 700AEDAB Black model	3207211946500S	1	*
	40	nsp	00D 963 0305 008	CHASSIS BACK	for 700AEDAB Premium Silver model	3207211946500S	1	*
	40	nsp	00D 963 0304 601	CHASSIS BACK	for 500AE Black model	3207211946300S	1	*
	40	nsp	00D 963 0304 708	CHASSIS BACK	for 500AE Premium Silver model	3207211946300S	1	*
	41	nsp	00D 960 0192 403	STOPPER CORD	for 700AE, 500AE	4380210002000S	1	
⚠	42		00D 963 0292 409	AC CORD	for 700AE, 500AE	L068250250040S	1	
	44		00D 963 0315 700	HOUSING TUNER	for 700AE, 700AEDAB	3050210041000S	1	
	45		00D 963 0316 204	PLATE TUNER B	for 700AE	4470211006010S	1	
⚠	46		00D 963 0158 404	AC INLET	for 700AEDAB	G430040560020S	1	
	47	nsp	00D 960 0183 807	TERMINAL	for 700AE, 700AEDAB	3790000090000S	1	
	48		00D 963 0190 705	CABINET TOP	for Black model	3000210466000S	1	
	48		00D 963 0315 904	CABINET TOP	for Premium Silver model	3000210466500S	1	
	51		00D 963 0317 902	DAB UNIT ASSY	for 700AEDAB	7025HK0604023	1	
	52		00D 963 0331 001	PRATE SPRAY	for 700AEDAB	4470211006000S	1	
	54	nsp	00D 963 0120 306	BRACKET SIDE		4010210686000S	1	
	55		00D 963 0219 505	IC,CJ7915F	IC502	J126791500070S	1	
	56		00D 960 0299 209	IC,CJ7815F	IC501	J126781500100S	1	

	Ref. No.	nsp	Part No.	Part Name	Remarks		Q'ty	New
	57		00D 263 1223 005	IC,PQ20RX11	for 700AE, 700AEDAB IC505	J126201100010S	1	
	★ 58	nsp	00D 963 0315 603	CABLE,FLAT CARD 1.25MM		N712151743810S	1	
	★ 59	nsp	00D 963 0315 506	CABLE,FLAT CARD		L301171230020S	1	
	★ 60		-	BUSHING TERMINAL		2410040353010S	1	
SCREWS								
	A	nsp	00D 963 0018 007	SCREW(3X8 B-TYPE ZNY/BH)		B020030081B10S	69	
	B	nsp	00D 960 0108 701	SCREW(3X10 B-TYPE(DOT) BK/BH)	for 700AE, 700AEDAB	B020030103B11S	33	
	B	nsp	00D 960 0108 701	SCREW(3X10 B-TYPE(DOT) BK/BH)	for 500AE	B020030103B11S	20	
	C	nsp	00D 960 9008 420	SCREW(3X8 ZnY WASHER P12)		1500001456010S	1	
	F	nsp	00D 960 9008 417	SCREW(4X8 P+S-WASHER ZNY/BH)		B028940081B10S	4	
	G	nsp	00D 963 0018 104	SCREW(3X17 B-TYPE ZNY/BH)		B020030171B10S	4	
	H	nsp	00D 963 9006 175	SCREW(3X14 P(Φ6)+S-WASHER ZNY/HH)		B018230141H11S	9	
	J	nsp	00D 963 0048 307	SCREW(4X8 B-TYPE(DOT) BK/BH)	for Black model	1500040083B10S	6	
	J	nsp	00D 963 9004 012	SCREW(4X8 B-TYPE(DOT) NI/BH)	for Premium Silver model	1500040084B10S	6	
	L	nsp	00D 963 0232 605	SCREW(3X5 B-TYPE ZNY/BH)		B020030051B10S	2	
	M	nsp	00D 963 9006 735	SCREW(3X10 B-TYPE BK/FH)	for 700AE	B020030103F10S	2	
	M	nsp	00D 963 9006 735	SCREW(3X10 B-TYPE BK/FH)	for 700AEDAB	B020030103F10S	4	

PACKING VIEW



PARTS LIST OF PACKING & ACCESSORIES

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

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

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

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

Note: The symbols in the column "Remarks" indicate the following destinations.

700AE : Europe model

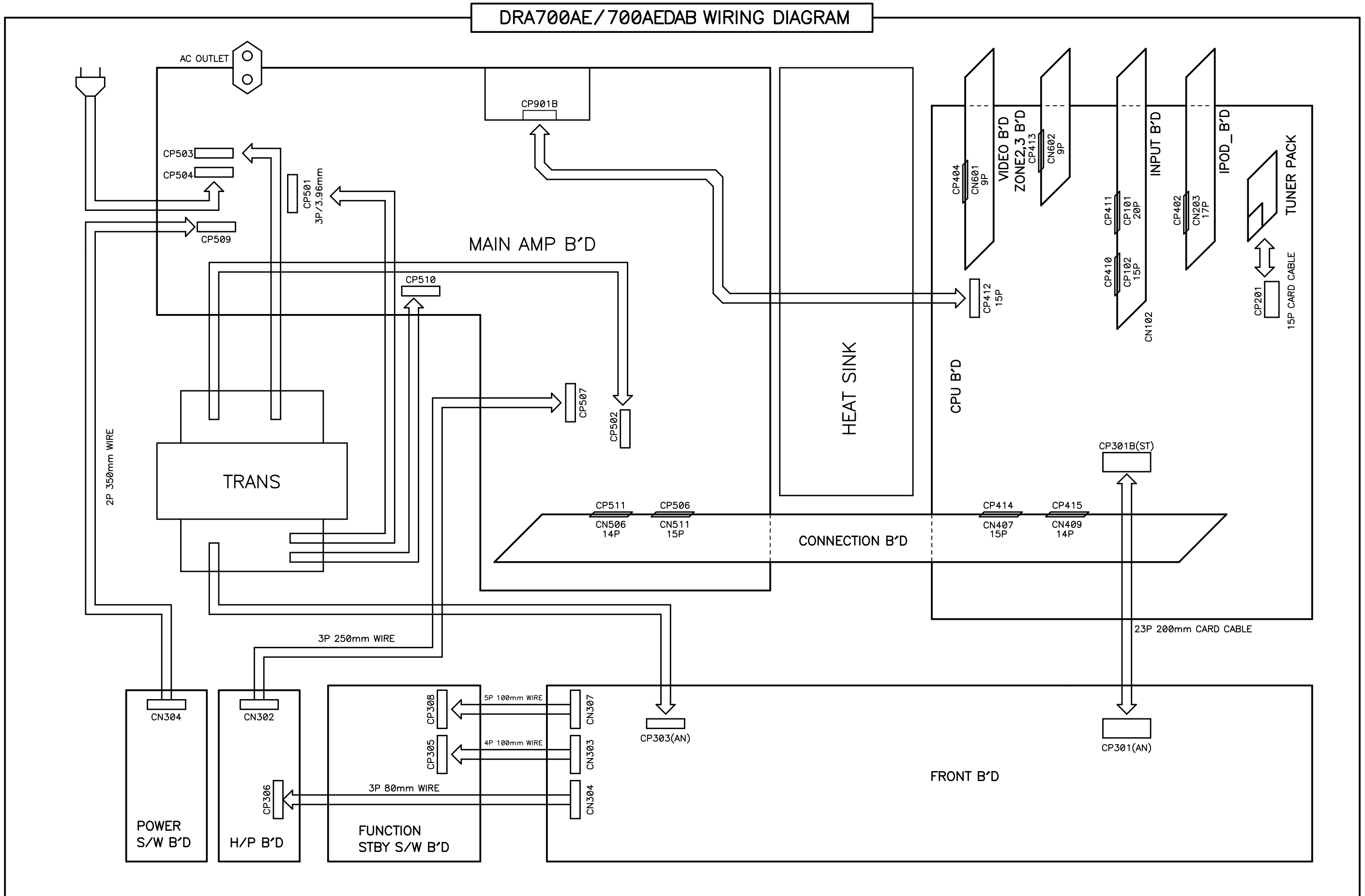
700AEDAB : U.K. model

500AE : Europe model

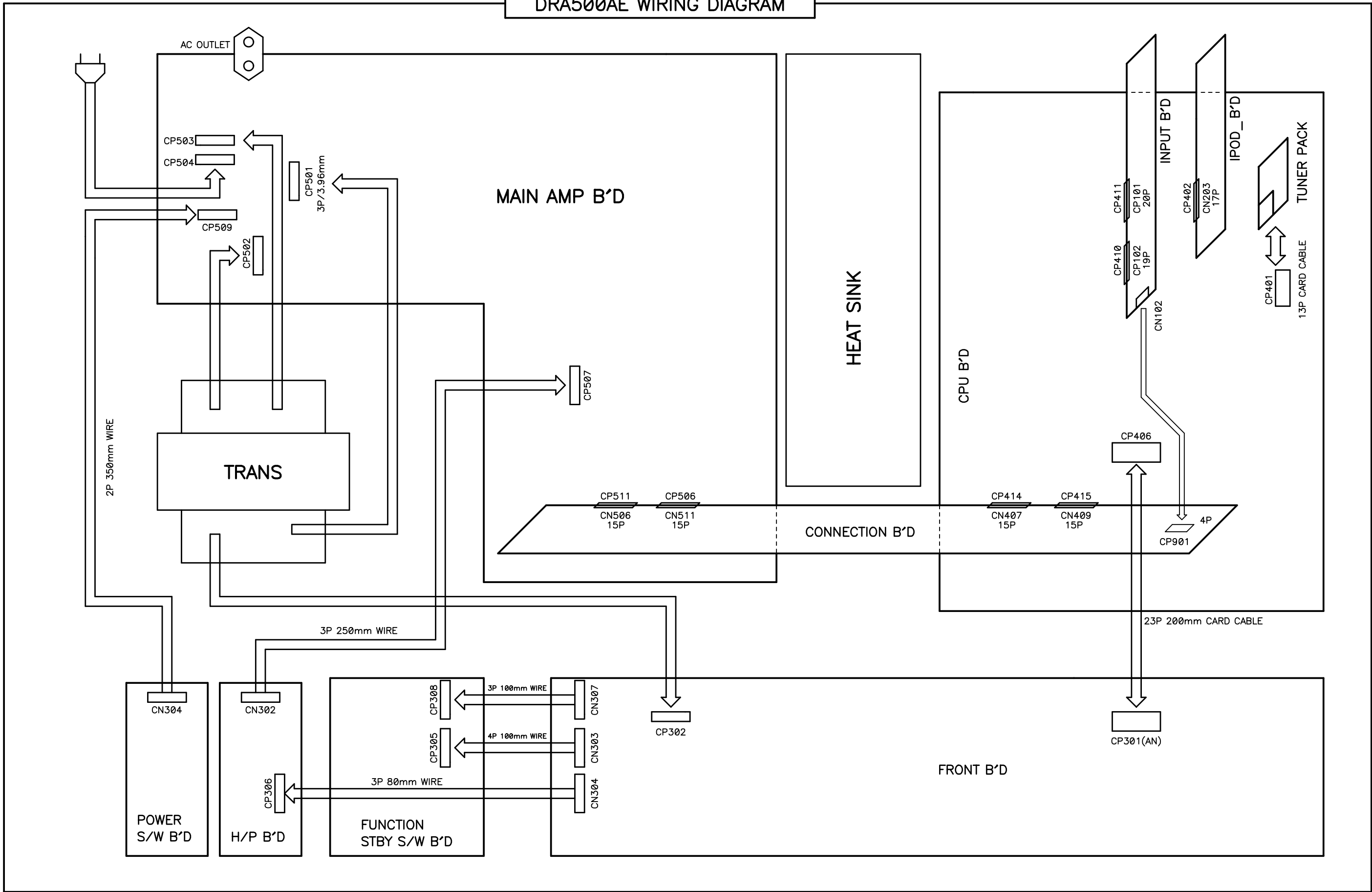
Ref. No.	nsp	Part No.	Part Name	Remarks		Q'ty	New
1	nsp	00D 963 0241 405	POLY BAG SET		6327040059000S	1	
2		00D 963 0306 201	INSTRUCTION MANUAL	for 700AE	5707210130250S	1	*
2		00D 963 0306 308	INSTRUCTION MANUAL	for 700AEDAB	5707210130260S	1	*
2		00D 963 0306 007	INSTRUCTION MANUAL	for 500AE	5707210130220S	1	*
3		00D 231 0089 007	AM ANTENNA WIRE		E605010110010S	1	
4		00D 963 0158 006	FM ANTENNA WIRE		E605010070001S	1	
5		00D 963 0307 501	REMOTE CONTROL	for 700AE, 700AEDAB Black model	8300105400010S	1	*
5		00D 963 0307 608	REMOTE CONTROL	for 700AE, 700AEDAB Premium Silver model	8300105400020S	1	*
5		00D 963 0307 705	REMOTE CONTROL	for 500AE Black model	8300105500010S	1	*
5		00D 963 0307 802	REMOTE CONTROL	for 500AE Premium Silver model	8300105500020S	1	*
6	nsp	00D 963 0045 106	POLY BAG		6330000240000S	1	

Ref. No.	nsp	Part No.	Part Name	Remarks		Q'ty	New
7	nsp	00D 963 0193 101	CUSHION SNOW L/R		6230210154001S	1	
8	nsp	00D 963 0306 609	BOX GIFT	for 700AE	6007210310740S	1	*
8	nsp	00D 963 0306 803	BOX GIFT	for 700AEDAB	6007210320060S	1	*
8	nsp	00D 963 0306 706	BOX GIFT	for 500AE	6007210310770S	1	*
9		-	CARD S.S. LIST		5777001620019S	1	
10		-	BATTERY DRY		-	2	
11		-	LABEL CONTROL		5500014920010S	2	
12		-	LABEL UPC	7for 00AE Black model	5507002360260S	1	
12		-	LABEL UPC	for 700AE Premium Silver model	5507002360250S	1	
12		-	LABEL UPC	for 700AEDAB Black model	5507002360280S	1	
12		-	LABEL UPC	for 700AEDAB Premium Silver model	5507002360270S	1	
12		-	LABEL UPC	for 500AE Black model	5507002360220S	1	
12		-	LABEL UPC	for 500AE Premium Silver model	5507002360210S	1	
13	nsp	00D 963 0268 006	POLY BAG ACCESSORY	for 700AE, 500AE	6330210222000S	1	
13	nsp	00D 963 0268 006	POLY BAG ACCESSORY	for 700AEDAB	6330210222000S	2	
14	nsp	00D 963 0055 918	PAD SNOW	for 700AEDAB	6240210144000S	2	
15		-	DOUBLE TAPE	for 700AEDAB	1220210049000S	1	
16		-	BUSHING TERMINAL		2410040353010S	8	
17	nsp	00D 963 0230 209	LABEL COLOR	for Premium Silver model	5507020170680S	2	
18		00D 206 2250 003	AC CORD	for 700AEDAB	-	1	
19		00D 963 0313 100	DAB ANTENNA	for 700AEDAB	E600355000010S	1	
20		00D 963 0310 307	REMOTE CONTROL(ZONE2)	for 700AE, 700AEDAB	8300105600010S	1	*
21		-	BATTERY DRY	for 700AE, 700AEDAB	-		

WIRING DIAGRAM



DRA500AE WIRING DIAGRAM



NOTE FOR SCHEMATIC DIAGRAM

WARNING:

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

CAUTION:

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

WARNING:

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

NOTICE:

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

配線図について

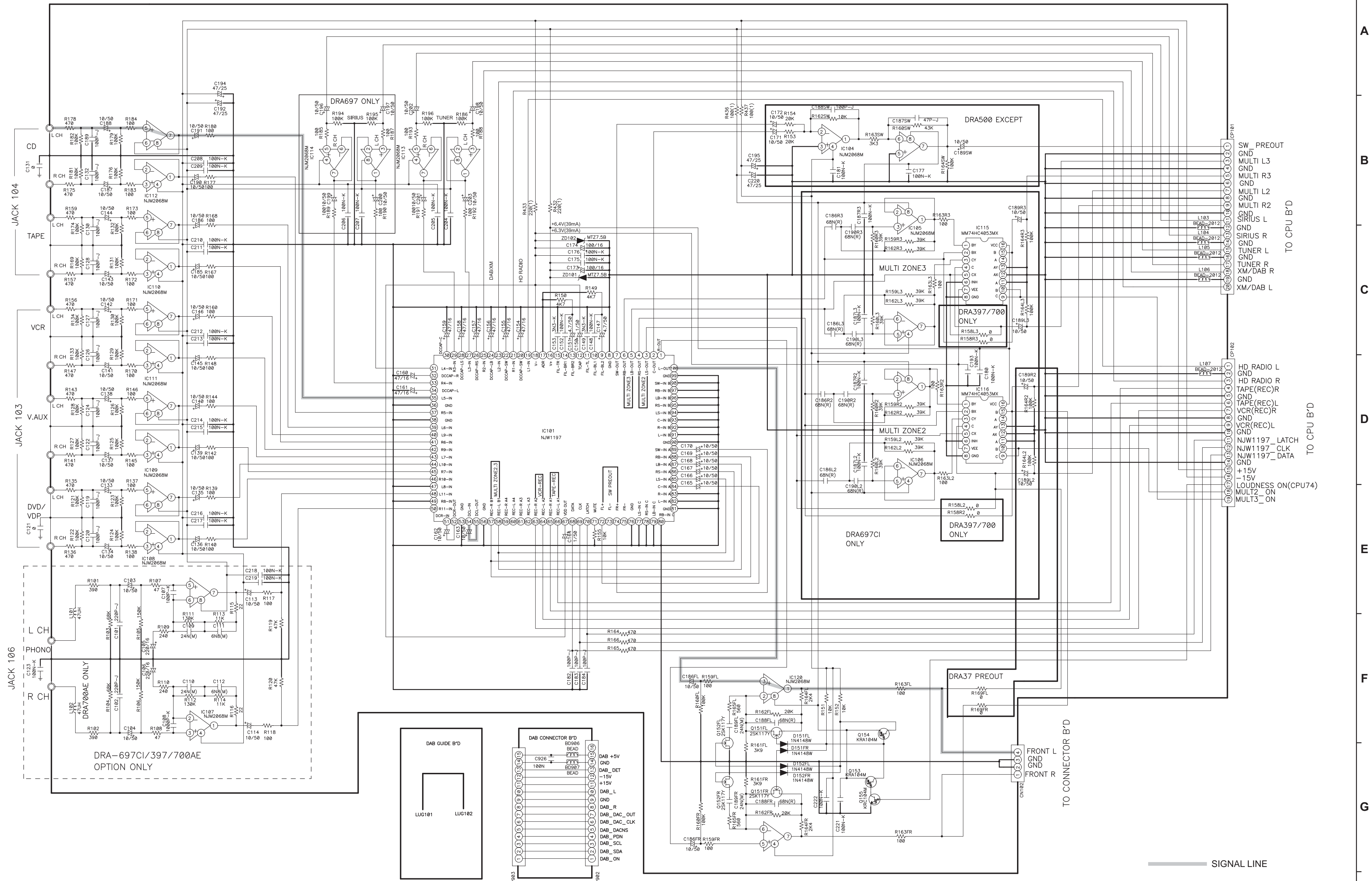
\triangle 印の部品は安全を維持するために重要な部品です。従って交換時は必ず指定の部品を使用してください。

注)

- (1) 指定なき抵抗値は 、k は k 、M は M を示す。
- (2) 指定なきコンデンサーの値は μ F、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。

SCHEMATIC DIAGRAMS (1/7)

1 2 3 4 5 6 7 8 9 10 11

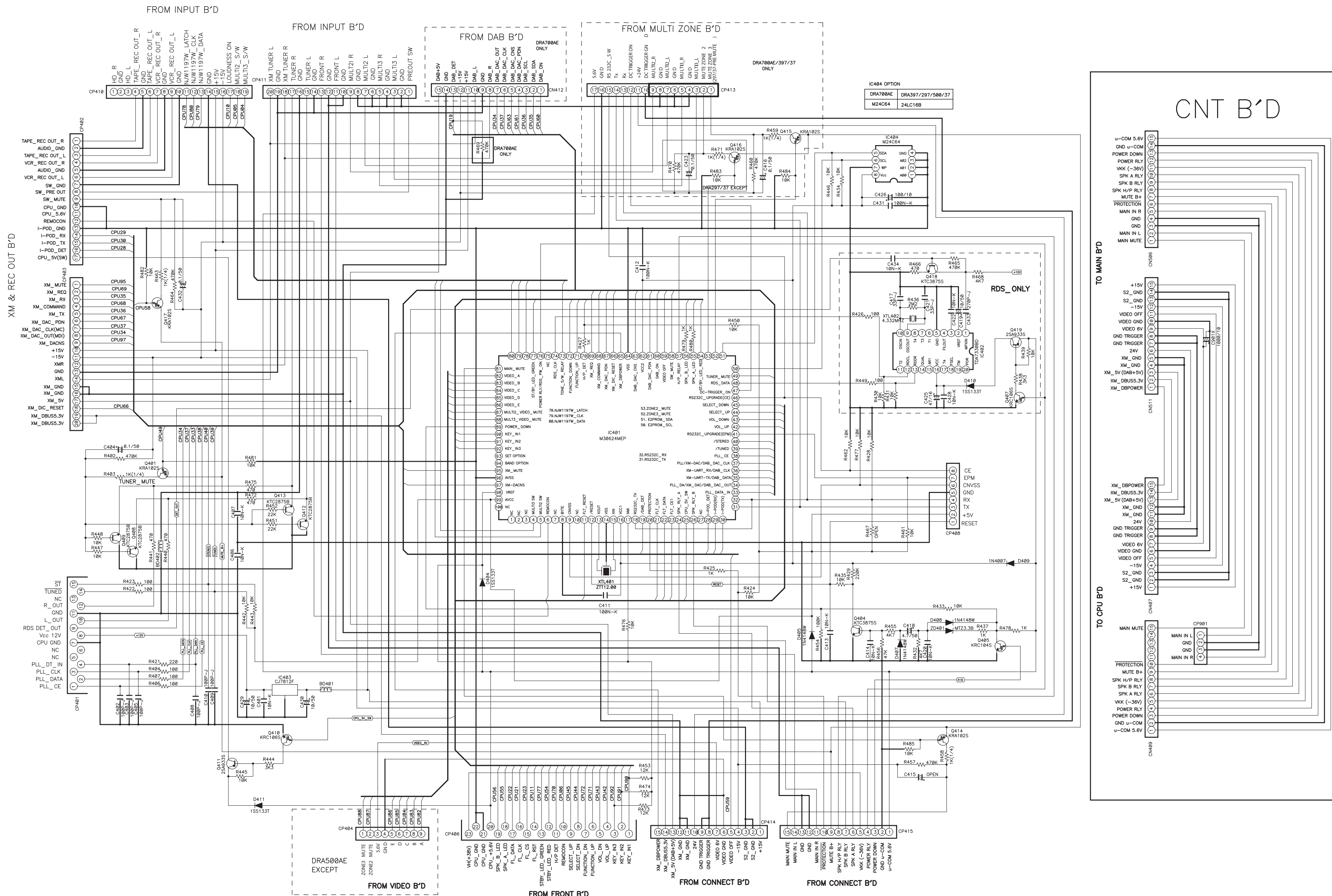


A
B
C
D
E
F
G
H

SCHEMATIC DIAGRAMS (1/7)
INPUT UNIT
(for ALL model)

SCHEMATIC DIAGRAMS (2/7)

1 2 3 4 5 6 7 8 9 10 11



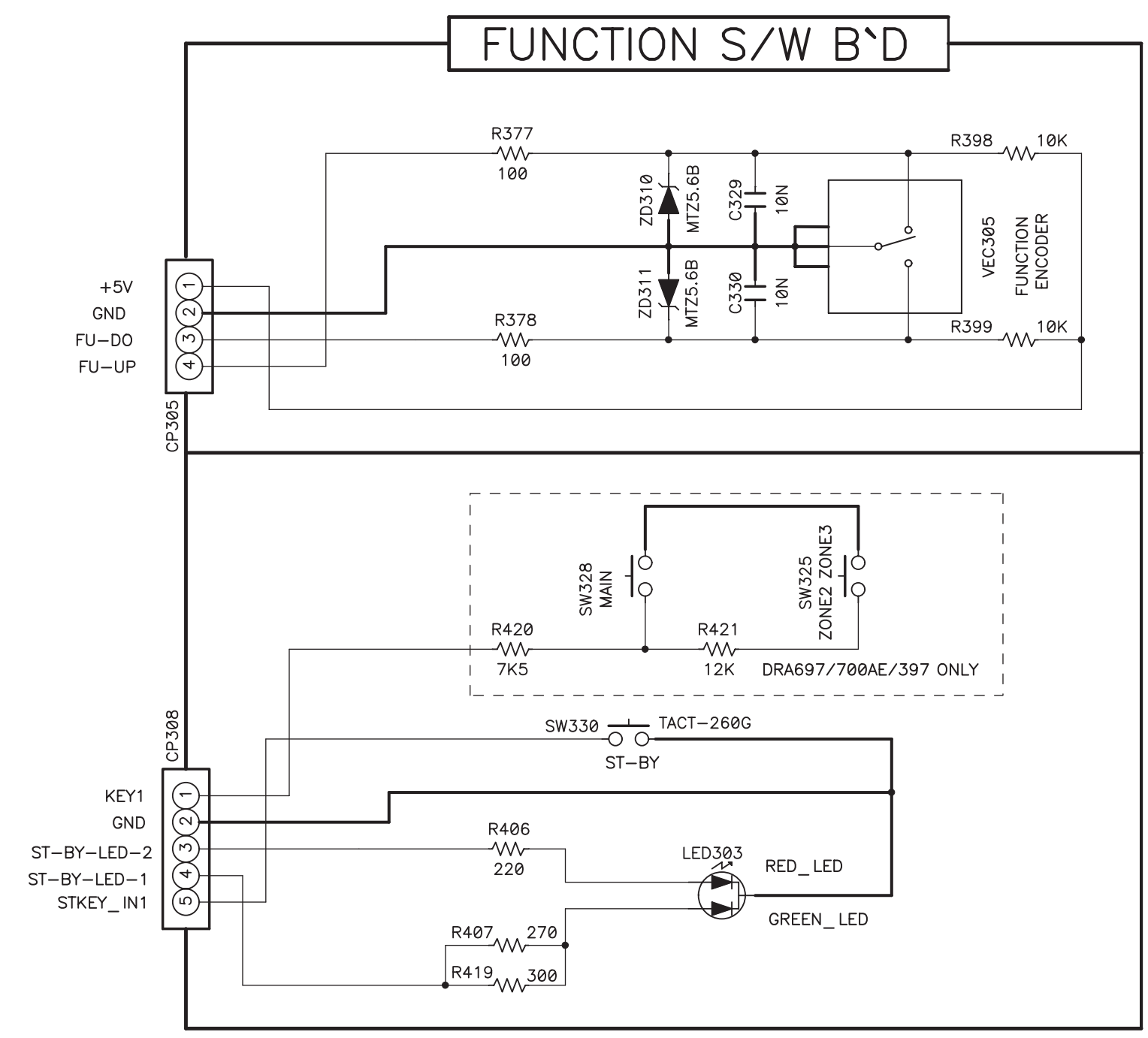
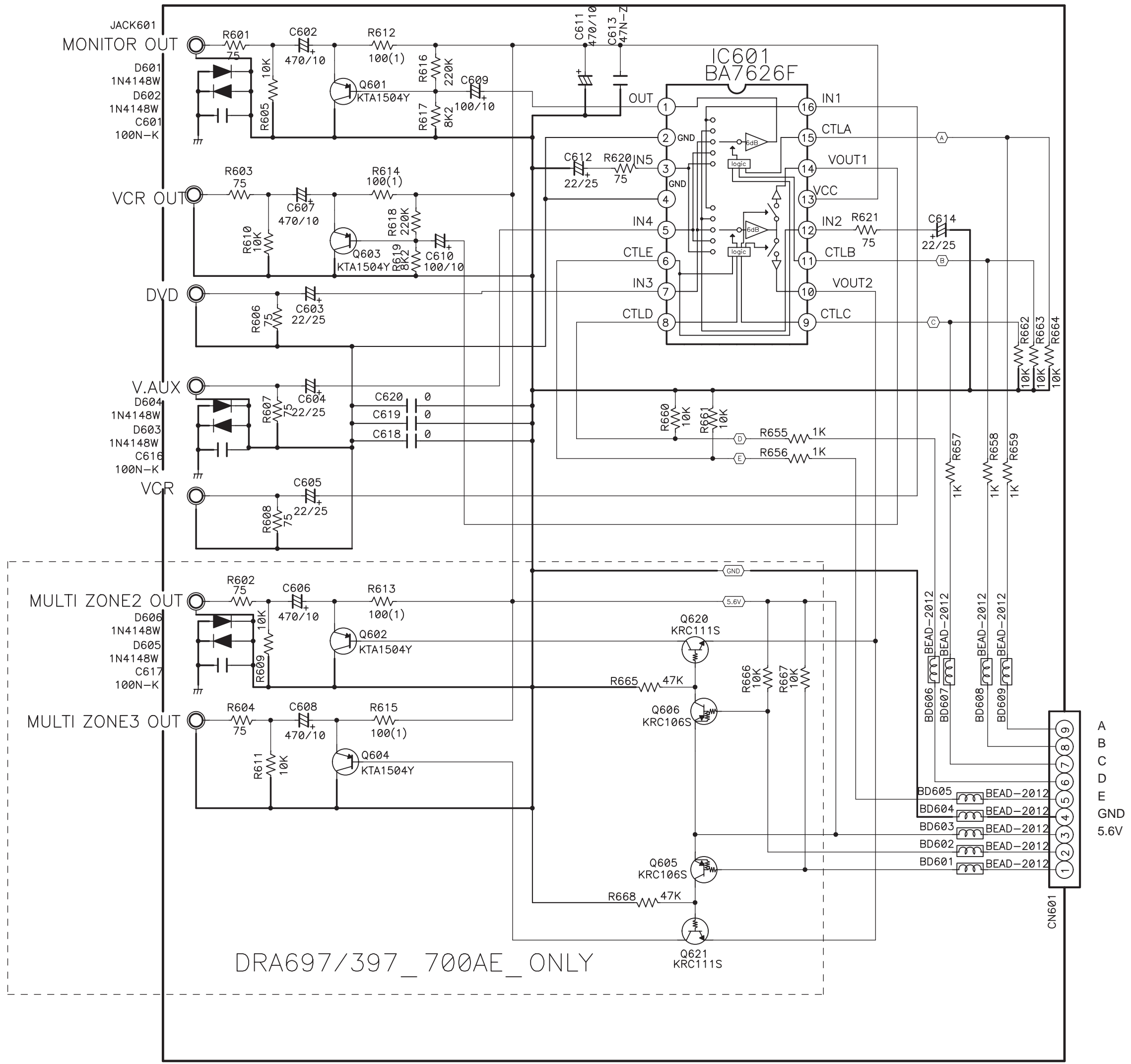
CNT B'D

SCHEMATIC DIAGRAMS (2/7)
CPU/CNT UNIT
(for ALL model)

A
B
C
D
E
F
G
H

SCHEMATIC DIAGRAMS (4/7)

1 2 3 4 5 6 7 8 9 10 11

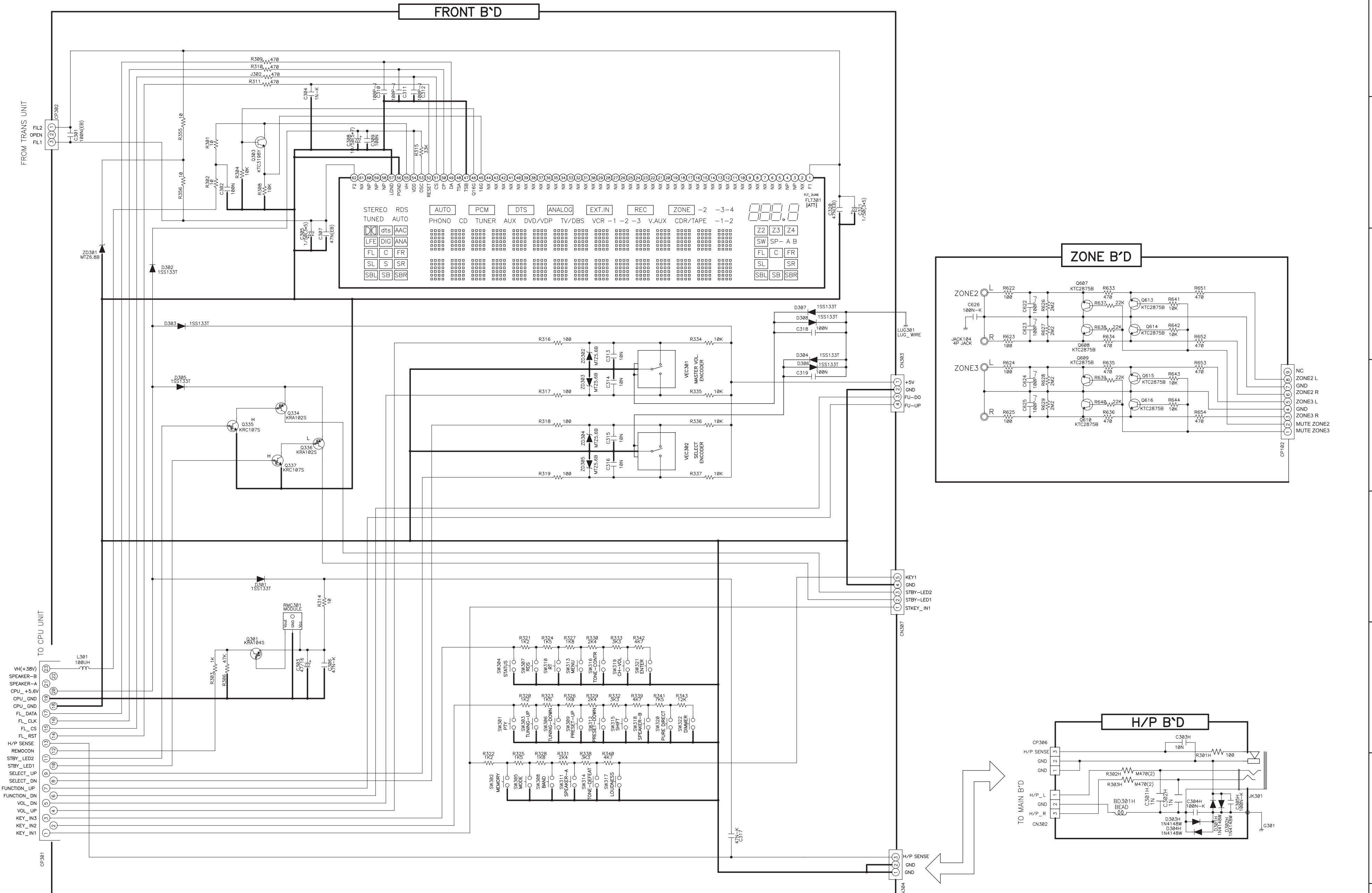


A	B	E	MONITOR OUT	C	D	E	V OUT2	C	D	E	V OUT1
L	L	*	IN1(VCR OUT)	L	L	*	IN1(VCR OUT)	L	L	*	-
H	L	*	IN2(MUTE)	H	L	*	-	H	L	*	IN2(X)
L	H	*	IN3(DVD/VIP)	L	H	*	IN3(DVD/VIP)	L	H	*	IN3(DVD/VIP)
H	H	L	IN4(V.AUX)	H	H	L	IN4(V.AUX)	H	H	L	IN4(V.AUX)
H	H	H	IN5(X)	H	H	H	IN5(MUTE)	H	H	H	IN5(MUTE)

SCHEMATIC DIAGRAMS (5/7)

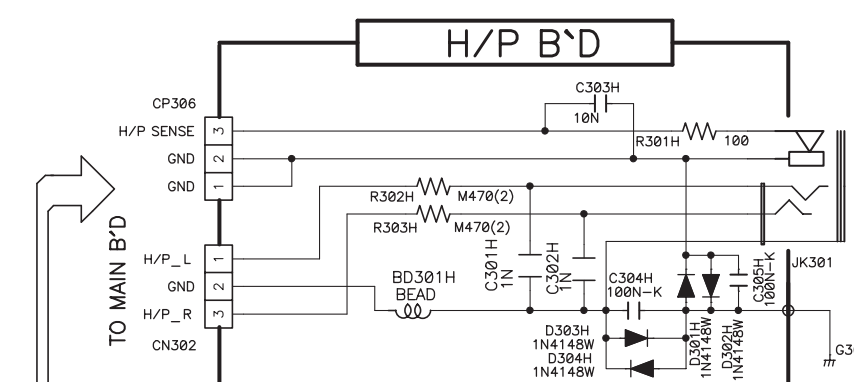
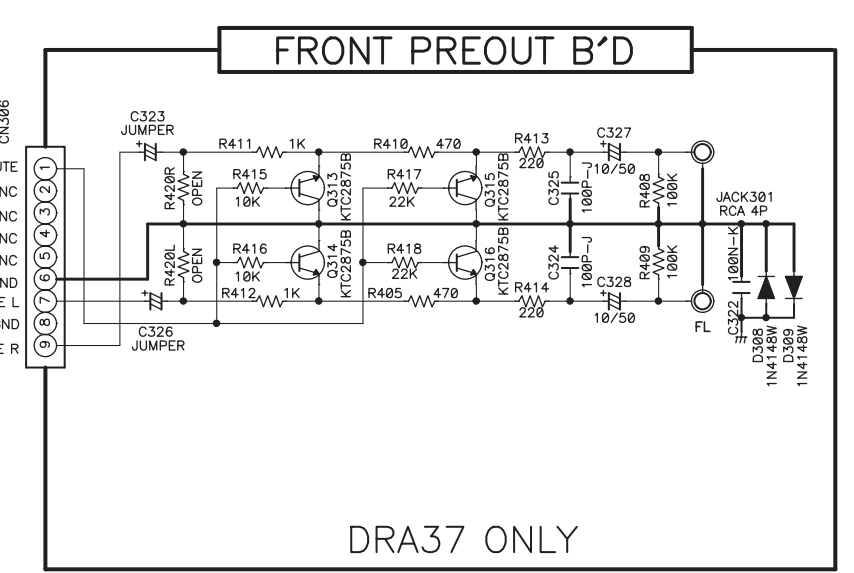
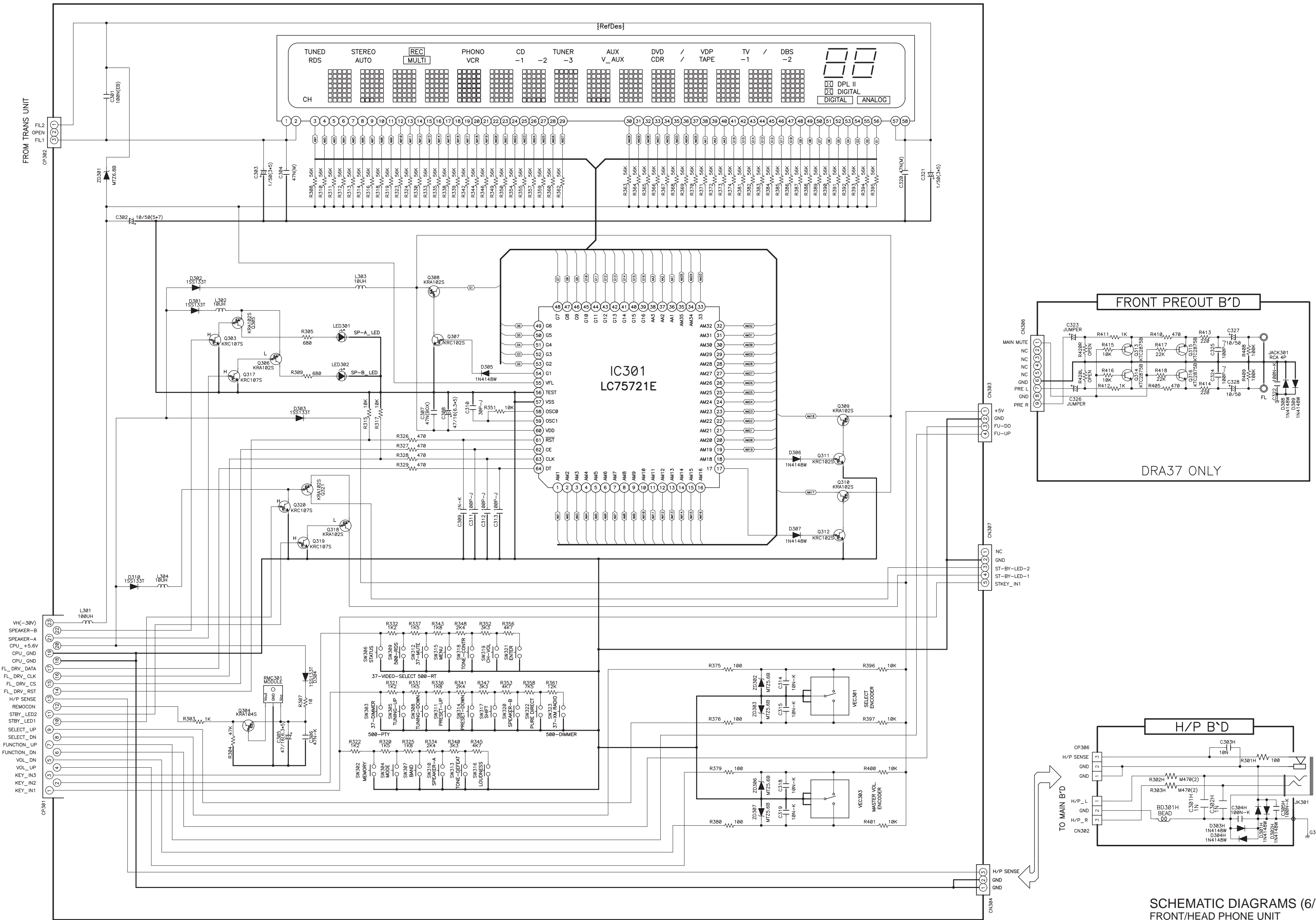
1 2 3 4 5 6 7 8 9 10 11

A
B
C
D
E
F
G
H



1 2 3 4 5 6 7 8 9 10 11

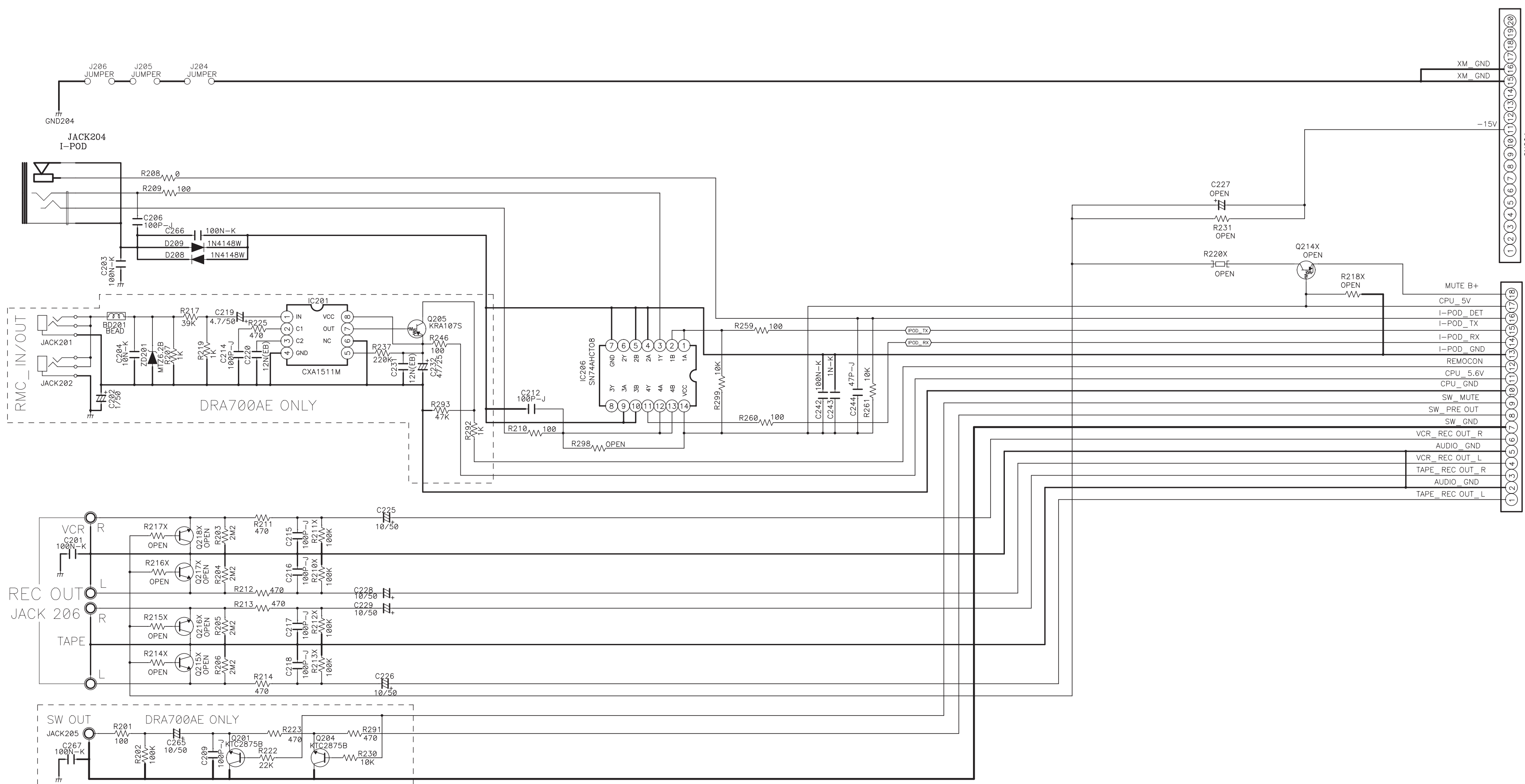
A
B
C
D
E
F
G
H



SCHEMATIC DIAGRAMS (6/7)
FRONT/HEAD PHONE UNIT
(for DRA-500AE model)

SCHEMATIC DIAGRAMS (7/7)

1 2 3 4 5 6 7 8 9 10 11



DOCUMENTS FOR WEEE

Details of Recycle parts

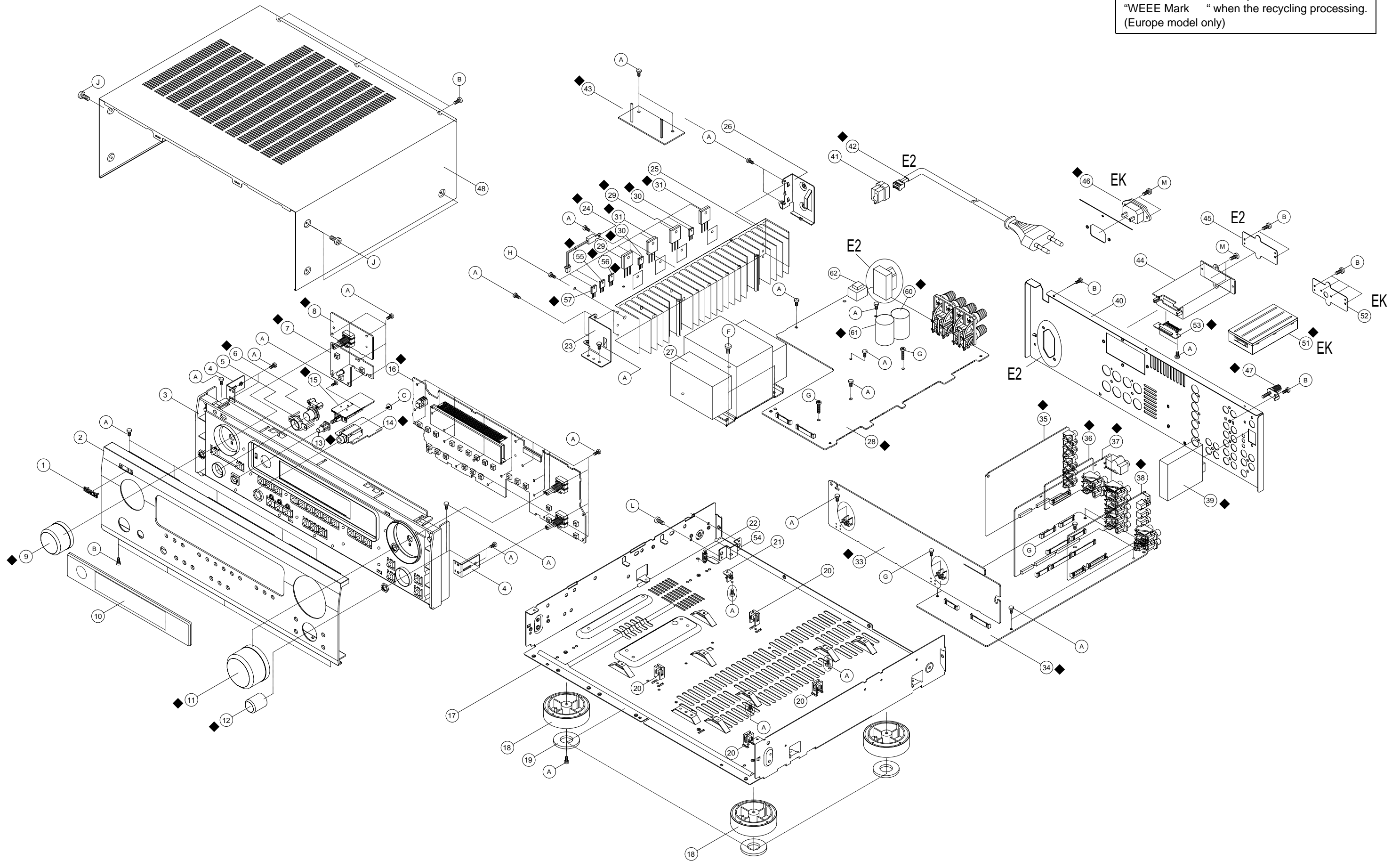
* You have to remove the parts that marked "WEEE Mark" when the recycling processing. (Europe model only)

Ref. No.	WEEE Mark	Part Name	Remarks	Material	Q'ty
1		BADGE DENON		Aluminum	1
2		PANEL FRONT		Aluminum	1
3		FRAME FRONT		ABS	1
4		BRACKET SIDE L/R		Steel	2
5		LENS STANDBY		PMMA	1
6		BUTTON STANDBY		Aluminum+ABS	1
7		STANDBY P.W.B.		Complex	1
8		FUNCTION SW P.W.B.		Complex	1
9		KNOB INPUT		Aluminum+ABS	1
10		WINDOW DISPLAY		PMMA	1
11		KNOB VOLUME		Aluminum+ABS	1
12		KNOB SELECT		Aluminum+ABS	1
13		BUTTON POWER		Aluminum+ABS	1
14		HEAD PHONE P.W.B.		Complex	1
15		POWER SW P.W.B.		Complex	1
16		FRONT P.W.B.		Complex	1
17		CHASSIS MAIN		Steel	1
18		FOOT		ABS	4
19		CUSHION FOOT		Rubber	4
20		SUPPORTER PCB		PA	4
21		BRACKET SUPPORTER		Steel	1
22		SUPPORTER P.C.		PA	1
23		BRACKET HEAT SINK-F		Steel	1
24		POSISTOR P43T7D330BW16		Complex	1
25		HEAT SINK MAIN		Aluminum	1
26		BRACKET HEAT SINK-B		Steel	1
27		POWER TRANS		Complex	1
28		MAIN P.W.B.		Complex	1
29		TR,2SB1560-Y		Complex	1
30		TR,2SC3964		Complex	1
31		TR,2SD2390-Y		Complex	1
32		LENS	for 500AE	PMMA	2
33		CNT P.W.B.		Complex	1
34		CPU P.W.B.		Complex	1
35		VIDEO P.W.B.	for 700AE, 700AEDAB	Complex	1
36		ZONE P.W.B.	for 700AE, 700AEDAB	Complex	1
37		INPUT2 P.W.B.		Complex	1
38		AUDIO P.W.B.		Complex	1
39		TUNER PACK		Complex	1
40		CHASSIS BACK		Steel	1
41		STOPPER CORD		PA	1
42		AC CORD		Complex	1
43		GUIDE P.W.B.	for 700AE, 700AEDAB	Complex	1
44		HOUSING TUNER	for 700AE, 700AEDAB	ABS	1
45		PLATE TUNER B	for 700AE	Steel	1
46		AC INLET	for 700AEDAB	Complex	1
47		TERMINAL	for 700AE, 700AEDAB	Complex	1
48		CABINET TOP		PVC+Steel	1
51		DAB MODUULE ASS'Y	for 700AEDAB	Complex	1
52		PRATE SPRAY	for 700AEDAB	Steel	1
53		CONNECT P.W.B.	for 700AE, 700AEDAB	Complex	1
54		BRACKET		Steel	1

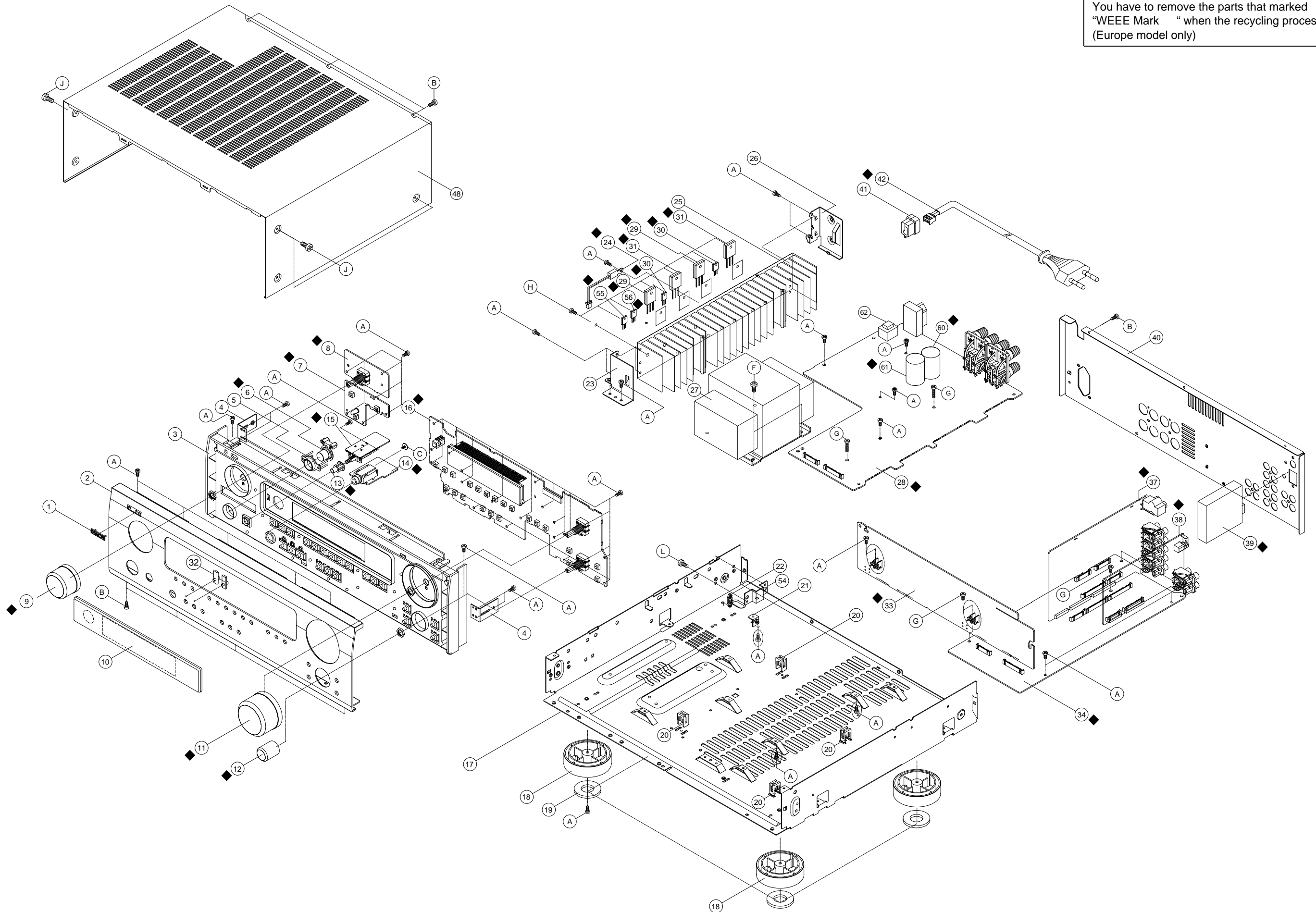
Ref. No.	WEEE Mark	Part Name	Remarks	Material	Q'ty
55		IC,CJ7915F		Complex	1
56		IC,CJ7815F		Complex	1
57		IC,PQ20RX11	for 700AE, 700AEDAB	Complex	1
60		CE68WIJ123M(DC)VNN		Complex	1
61		CE68WIJ123M(DC)VNN		Complex	1
62		POWER TRANS 230V/50HZ		Complex	1
SCREWS					
A		SCREW(3X8 B-TYPE ZNY/BH)		steel	69
B		SCREW(3X10 B-TYPE(DOT) BK/BH)	for 700AE, 700AEDAB	steel	33
B		SCREW(3X10 B-TYPE(DOT) BK/BH)	for 500AE	steel	20
C		SCREW(3X8 ZnY WASHER P112)		steel	1
F		SCREW(4X8 P+S-WASHER ZNY/BH)		steel	4
G		SCREW(3X17 B-TYPE ZNY/BH)		steel	4
H		SCREW(3X14 P(6)+S-WASHER ZNY/HH)		steel	9
J		SCREW(4X8 B-TYPE(DOT) BK/BH)	for Black model	steel	6
K		SCREW(4X8 B-TYPE(DOT) NI/BH)	for Premium Silver model	steel	6
L		SCREW(3X5 B-TYPE ZNY/BH)		steel	2
M		SCREW(3X10 B-TYPE BK/FH)	for 700AE	steel	2
M		SCREW(3X10 B-TYPE BK/FH)	for 700AEDAB	steel	4

Exploded view for DRA-700AE model

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

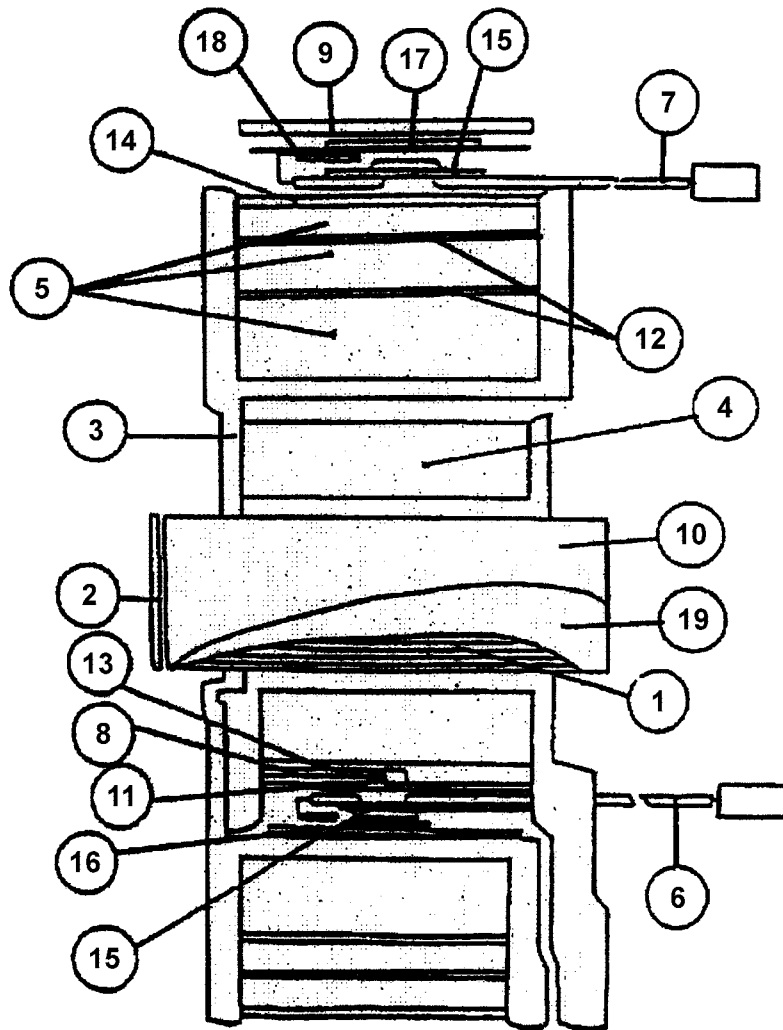


Exploded view for DRA-500AE model



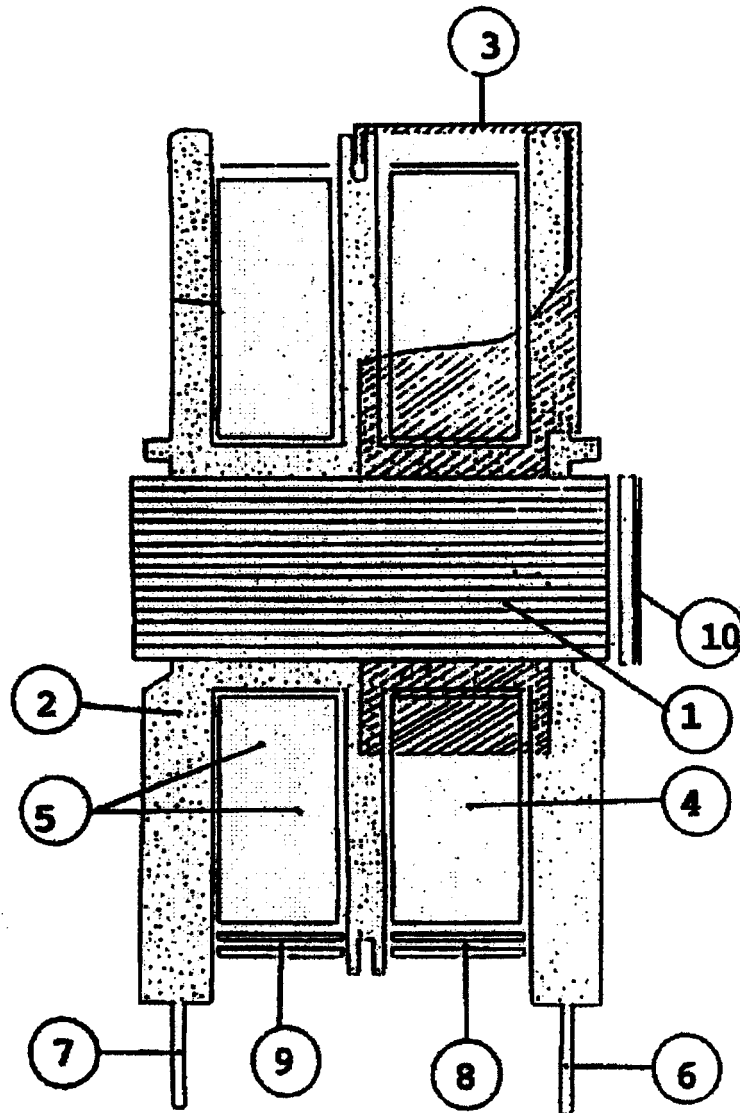
You have to remove the parts that marked "WEEE Mark" when the recycling processing. (Europe model only)

Details of Recycle parts for main transformer



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

Details of Recycle parts for sub transformer



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