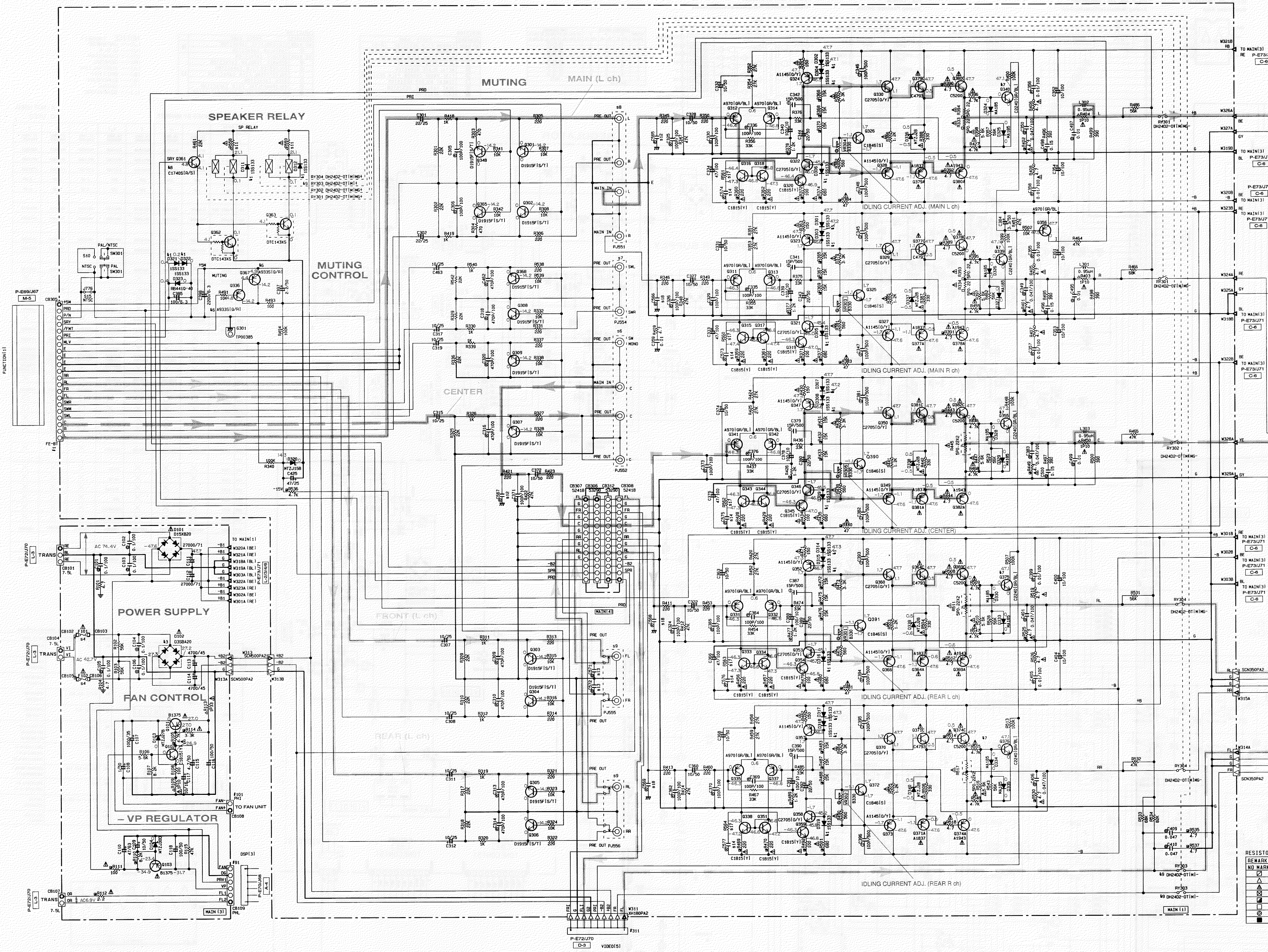


MAIN/CENTER/REAR POWER AMP



CIRCUIT CHANGES BY MARKET. X: NOT USED
 O: USED

MARK NUMBER	J	U.C	R.T	A	B-G
1	C551-552-555-557-558-561-562	X	X	X	X
2	C553-554-556-559-560-563-564	0.022	U4654221	U4654221	U4654221
3					
4	F101-102	4A125V	4A125V	4A125V	4A125V
5	F251-252	VK1780	VK1780	VK1780	VK1780
6	F351	WV3000	WV3000	WV3000	WV3000
7	F354	WV3000	WV3000	WV3000	WV3000
8	F355	VK1780	VK1780	VK1780	VK1780
9	F355-556	VK1770	VK1770	VK1770	VK1770
10	SW301	X	X	X	X
11	R508-509	1P180	1P220	1P220	1P220
12	C565-567	X	X	X	X
13	C571-572	X	X	X	X
14	C573-577	1000P/100	1000P/100	1000P/100	1000P/100
15	J776	O	O	X	X
16	R560-564	390 (WF4533)	390 (WF4533)	390 (WF4533)	390 (WF4533)
17	C566-568-569	X	X	X	X
PWB	V280110	V280120	V280130	V280140	V280150
	XU336	XU336	XU337	XU337	XU337

NOTICE (mode1)
 (J)..... JAPANESE
 (U)..... U. S. A
 (C)..... CANADIAN
 (R)..... GENERAL
 (A)..... AUSTRALIAN
 (B)..... BRITISH
 (G)..... EUROPEAN
 (T)..... CHINA
 (L)..... SINGAPORE

MARK NUMBER	ALTERNATE USE
41	D301-309-311-312-314-319-321-322
43	
45	0336-367
47	0330-340-303-376-378
48	0361
49	0363

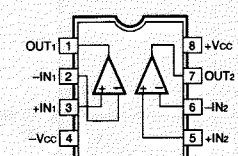
REMARKS	PARTS NAME	REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)	NO MARK	ELECTROLYTIC CAPACITOR
△	CARBON FILM RESISTOR (P=10)	⊗	TANTALUM CAPACITOR
▲	METAL OXIDE FILM RESISTOR	○	CERAMIC CAPACITOR
△	METAL FILM RESISTOR	⊙	CERAMIC TUBULAR CAPACITOR
⊙	METAL PLATE RESISTOR	⊗	POLYESTER FILM CAPACITOR
⊕	FIRE PROOF CARBON FILM RESISTOR	⊙	POLYSTYRENE FILM CAPACITOR
□	CEMENT MOLDED RESISTOR	⊙	MICA CAPACITOR
⊗	SEMI VARIABLE RESISTOR	⊙	POLYPROPYLENE FILM CAPACITOR
■	CHIP RESISTOR	●	SEMICONDUCTIVE CERAMIC CAPACITOR

All voltages are measured with a 10MΩ/DC electric volt meter.
 Components having special characteristics are marked △ and must be replaced with parts having specifications equal to those originally installed.
 Schematic diagram is subject to change without notice.

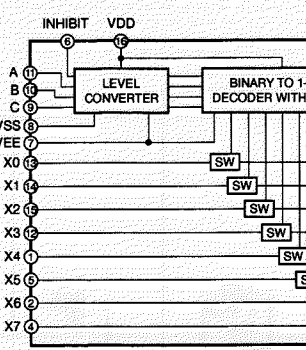
電圧は、内部抵抗10MΩの電圧計で測定したものです。
 △印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
 本回路図は標準回路図です。改良のため予告なく変更することがございます。

SCHEMATIC DIAGRAM (VIDEO) / 総回路図

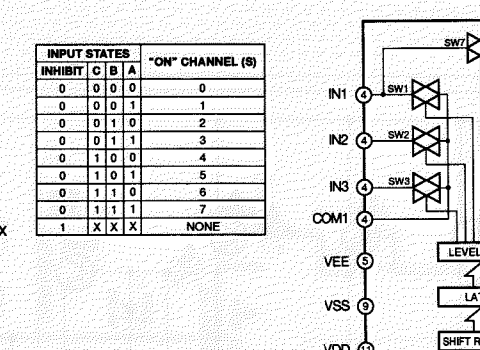
IC1-3, 401 : MC14576CP
Dual Video Amp



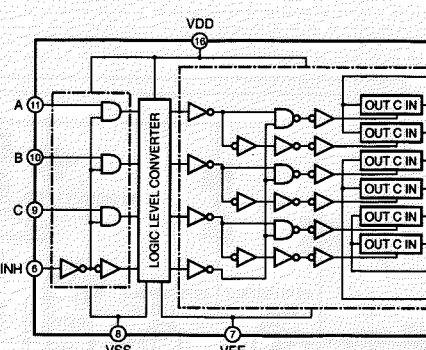
IC4-7, 402, 403 : μPD40518C
Analog Multiplexer/Demultiplexer



IC8 : LC7824
Analog Function Switch



IC9-11, 404 : μPD4053BC
Triple 2-Channel Multiplexers/Demultiplexers



RESISTOR

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
Δ	METAL OXIDE FILM RESISTOR (P=10)
□	METAL FILM RESISTOR
○	METAL PLATE RESISTOR
◇	FUSE PROOF CARBON FILM RESISTOR
●	CEMENT MOLDED RESISTOR
◊	SEMI-VARIABLE RESISTOR
■	CHIP RESISTOR

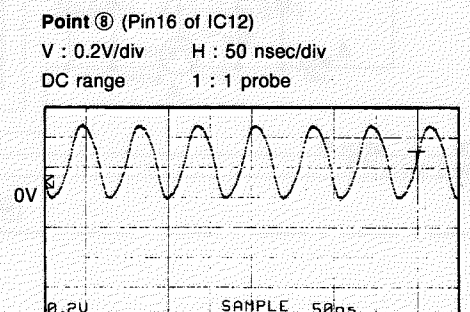
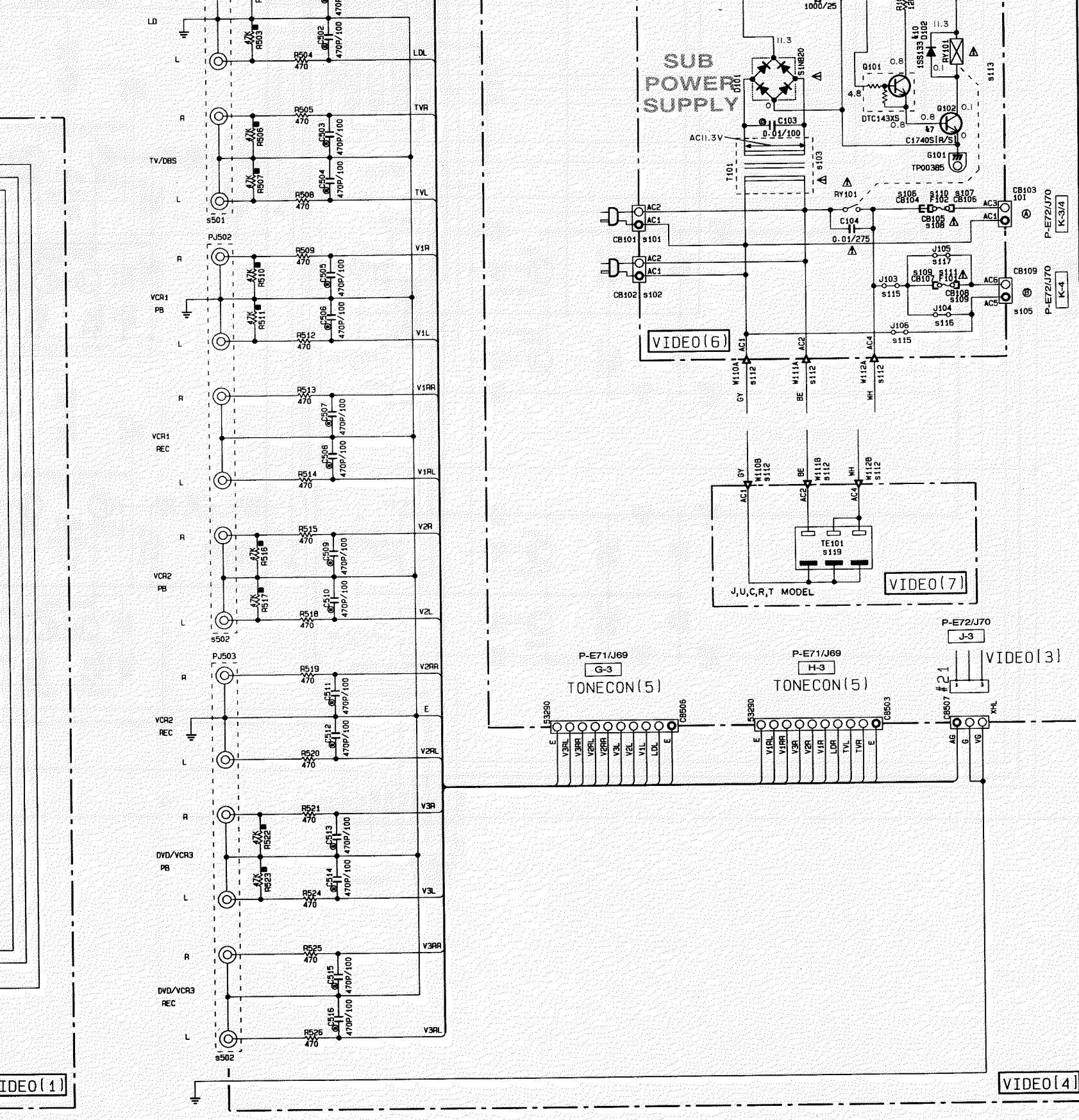
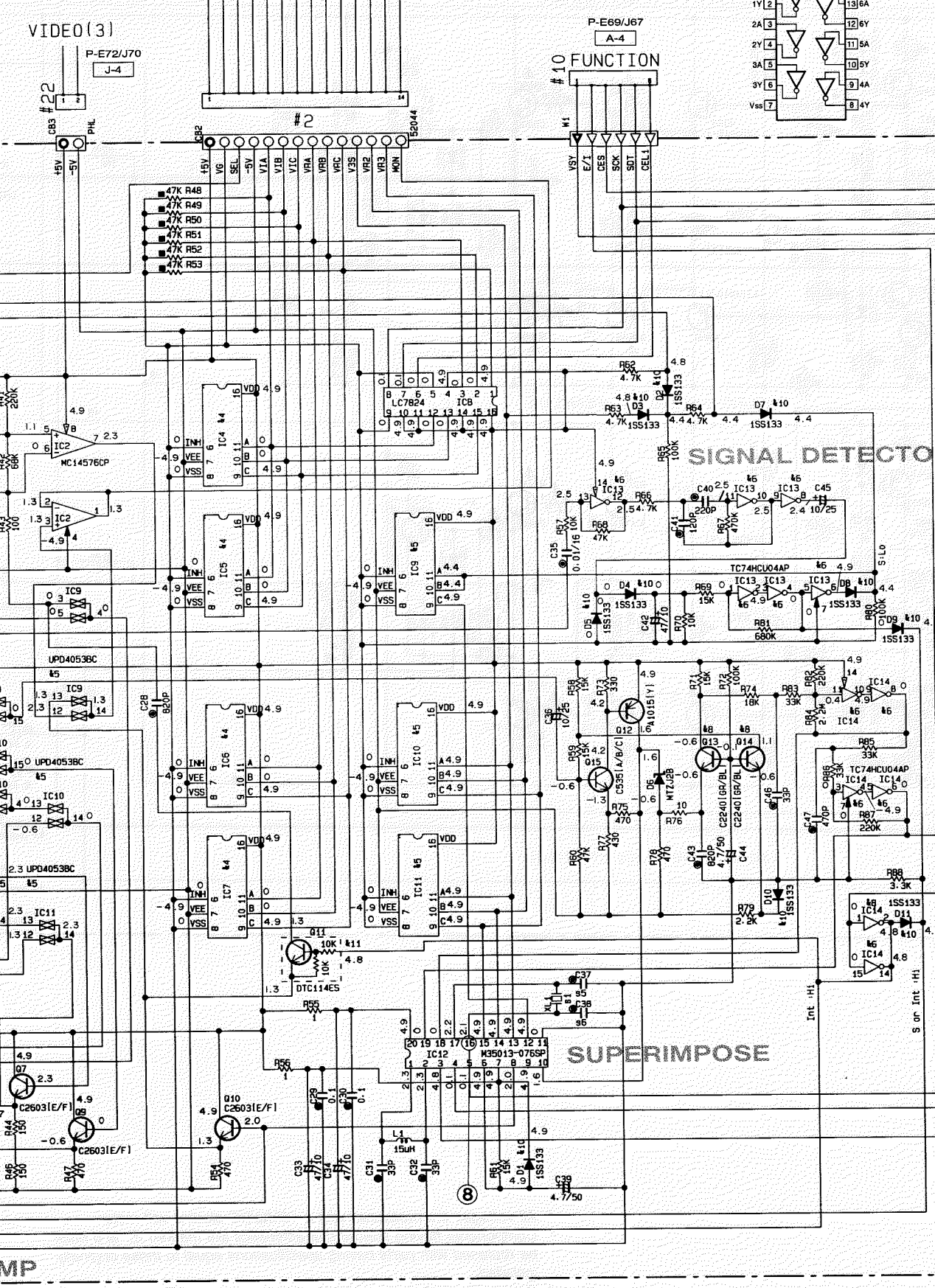
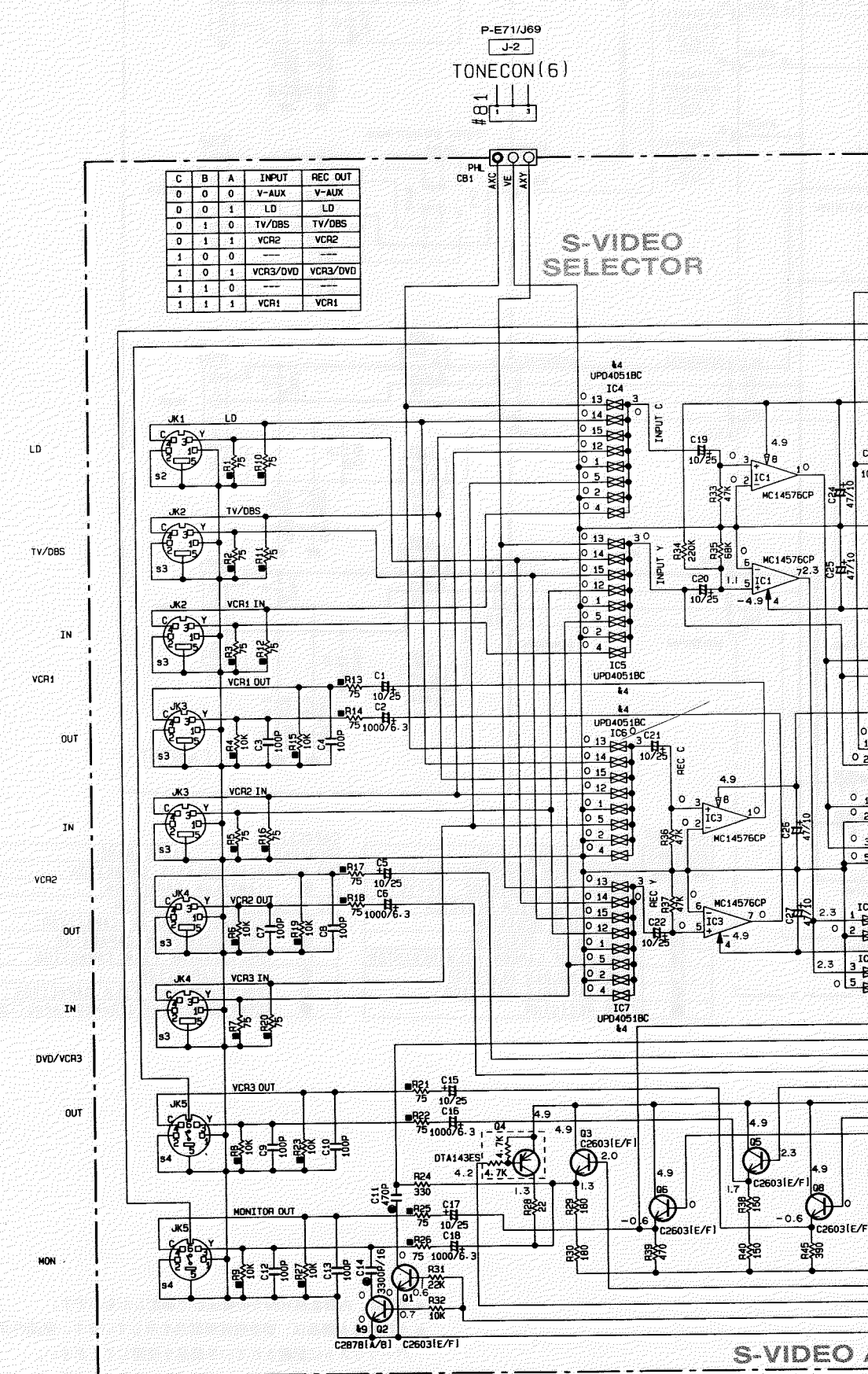
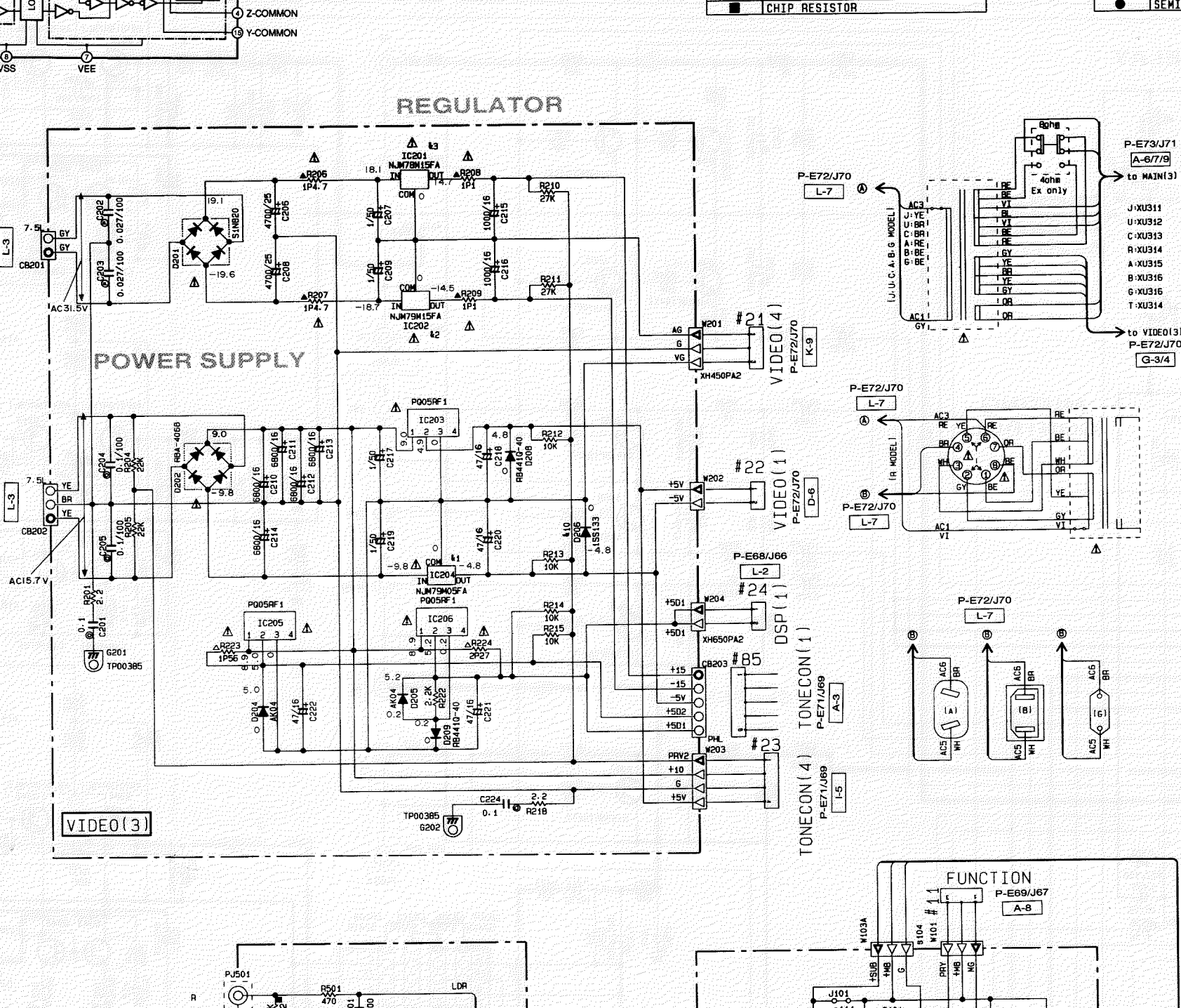
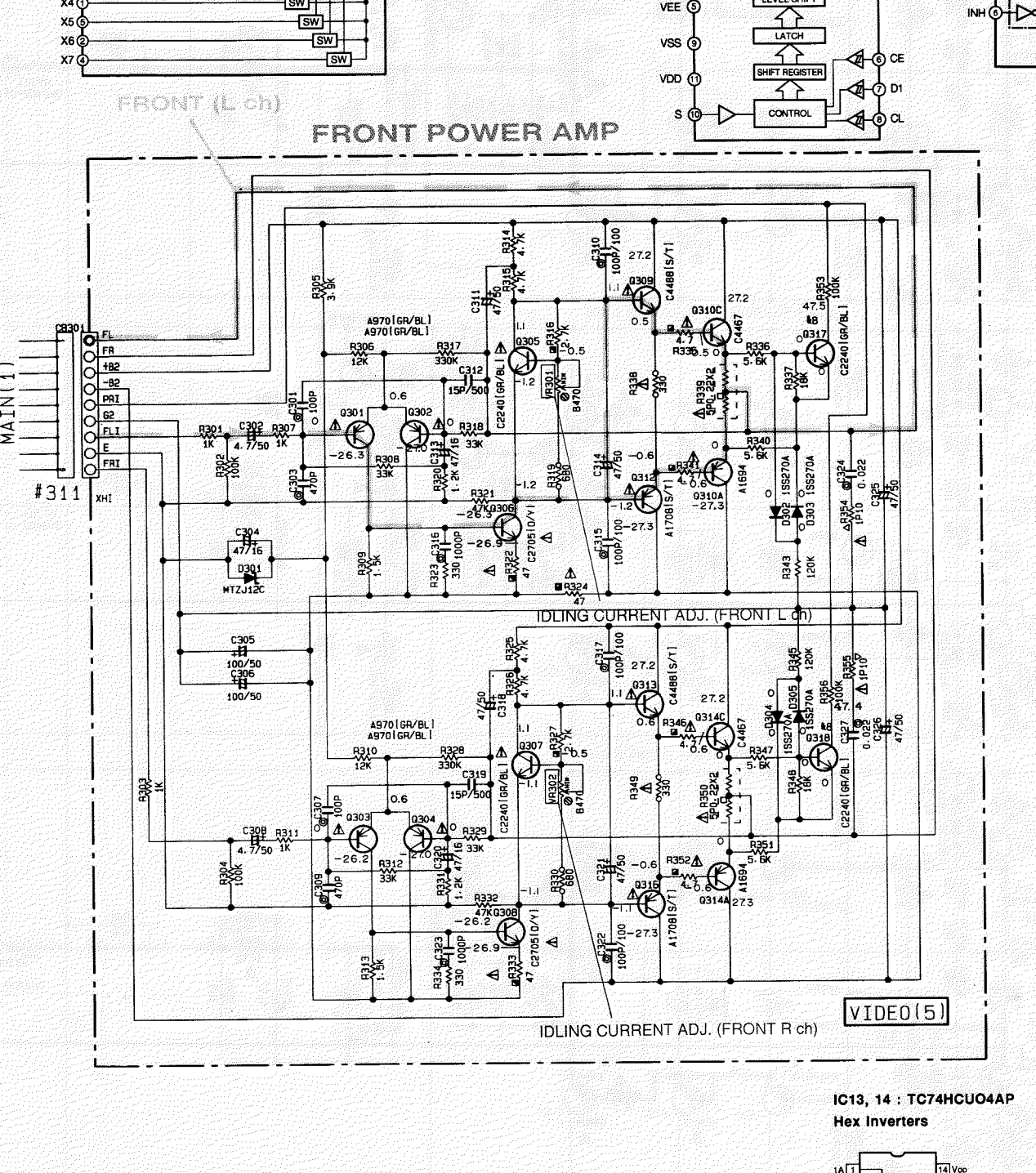
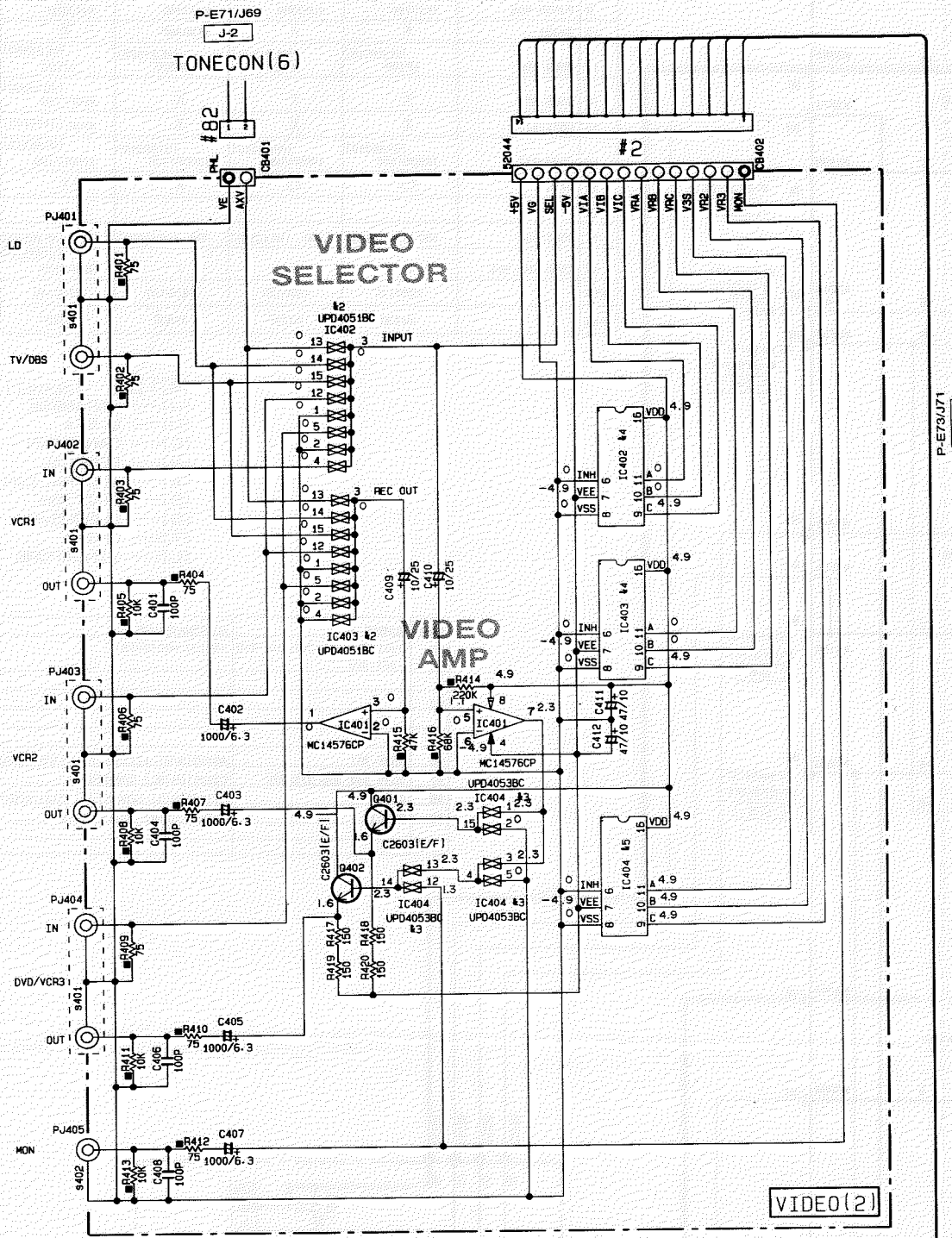
CAPACITOR

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
○	CERAMIC TUBULAR CAPACITOR
⊙	POLYESTER FILM CAPACITOR
◇	ALUMINUM ELECTROLYTIC CAPACITOR
◊	POLYSTYRENE FILM CAPACITOR
●	WETA CAPACITOR
⊙	POLYPROPYLENE FILM CAPACITOR
■	SEMICONDUCTIVE CERAMIC CAPACITOR

NOTICE (model)
(J)..... JAPANESE
(U)..... U.S.A.
(C)..... CANADIAN
(R)..... GENERAL
(A)..... ALGERIA
(B)..... BRITISH
(G)..... GERMANY
(T)..... CHINA
(L)..... SINGAPORE

CIRCUIT CHANGES BY MARKET. X : NOT USED
O : USED

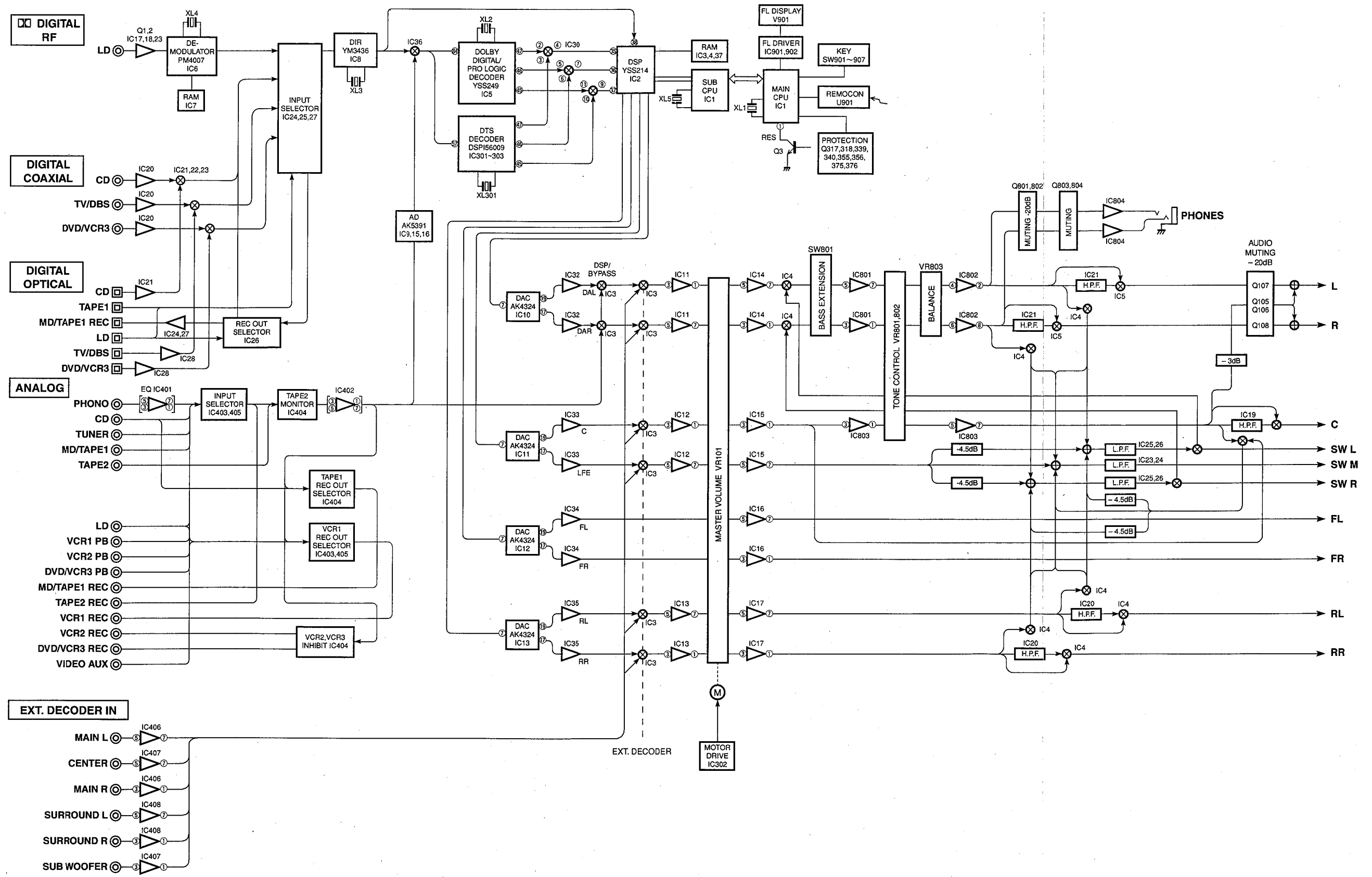
Part No.	J	U	C	R,T	A	B	S
1 X1	✓	✓	✓	✓	✓	✓	✓
2 X1	✓	✓	✓	✓	✓	✓	✓
3 X2-4	✓	✓	✓	✓	✓	✓	✓
4 X3	✓	✓	✓	✓	✓	✓	✓
5 C37	✓	✓	✓	✓	✓	✓	✓
6 C38	✓	✓	✓	✓	✓	✓	✓
401 P401-404	✓	✓	✓	✓	✓	✓	✓
402 P405	✓	✓	✓	✓	✓	✓	✓
501 P501	✓	✓	✓	✓	✓	✓	✓
502 P502-503	✓	✓	✓	✓	✓	✓	✓
101 C8101	✓	✓	✓	✓	✓	✓	✓
102 C8102	✓	✓	✓	✓	✓	✓	✓
103 T801	✓	✓	✓	✓	✓	✓	✓
104 X103	✓	✓	✓	✓	✓	✓	✓
105 C8109	✓	✓	✓	✓	✓	✓	✓
106 C8104	✓	✓	✓	✓	✓	✓	✓
107 C8108	✓	✓	✓	✓	✓	✓	✓
108 C8105	✓	✓	✓	✓	✓	✓	✓
109 C8107, 108	✓	✓	✓	✓	✓	✓	✓
110 F502	✓	✓	✓	✓	✓	✓	✓
111 F501	✓	✓	✓	✓	✓	✓	✓
112 W10-112	✓	✓	✓	✓	✓	✓	✓
113 RV101	✓	✓	✓	✓	✓	✓	✓
114 J101	✓	✓	✓	✓	✓	✓	✓
115 J103-106	✓	✓	✓	✓	✓	✓	✓
116 J104	✓	✓	✓	✓	✓	✓	✓
117 J105	✓	✓	✓	✓	✓	✓	✓
118							
119 TE101	✓	✓	✓	✓	✓	✓	✓
120							
121 C102	✓	✓	✓	✓	✓	✓	✓
122 C108	✓	✓	✓	✓	✓	✓	✓
123 D103	✓	✓	✓	✓	✓	✓	✓
124 R103	✓	✓	✓	✓	✓	✓	✓
125 S103	✓	✓	✓	✓	✓	✓	✓
126 S104	✓	✓	✓	✓	✓	✓	✓
127 M001	✓	✓	✓	✓	✓	✓	✓
P80	✓	✓	✓	✓	✓	✓	✓
P100	✓	✓	✓	✓	✓	✓	✓



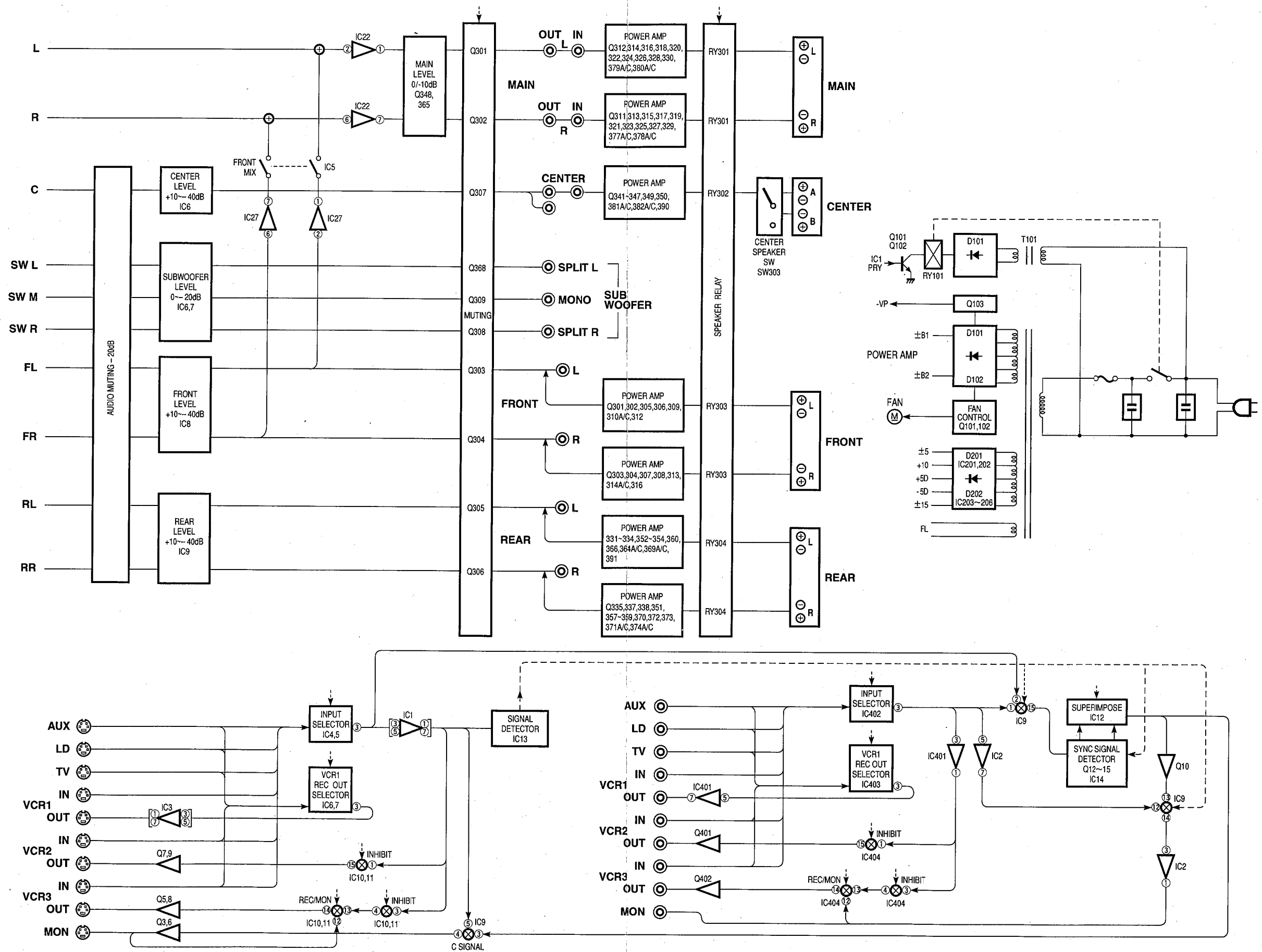
All voltages are measured with a 10MΩ/DC electric voltmeter.
Components having special characteristics are marked Δ and must be replaced with parts having specifications equal to those originally installed.
Schematic diagram is subject to change without notice.

- 電圧は、内部抵抗10MΩの電圧計で測定したものです。
- △印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
- 本回路図は標準回路図です。改良のため予告なく変更することがございます。

BLOCK DIAGRAM / ブロックダイアグラム



■BLOCK DIAGRAM/ブロックダイアグラム



PARTS LIST

ELECTRICAL PARTS

WARNING

Components having special characteristics are marked Δ and must be replaced with parts having specifications equal to those originally installed.

- Carbon resistors (1/6W or 1/4W) are not included in the ELECTRICAL PARTS List. For the part Nos. of the carbon resistors refer to the last page.
- Chip resistors and chip metal film resistors are listed on page 91.

ABBREVIATIONS IN THIS LIST ARE AS FOLLOWS :

C.A.EL.CHP	: CHIP ALUMI. ELECTROLYTIC CAP	L.EMIT	: LIGHT EMITTING MODULE
C.CE	: CERAMIC CAP	LED.DSPLY	: LED DISPLAY
C.CE.ARRAY	: CERAMIC CAP ARRAY	LED.INFRD	: LED, INFRARED
C.CE.CHP	: CHIP CERAMIC CAP	MODUL.RF	: MODULATOR, RF
C.CE.ML	: MULTILAYER CERAMIC CAP	PHOT.CPL	: PHOTO COUPLER
C.CE.M.CHP	: CHIP MULTILAYER CERAMIC CAP	PHOT.INTR	: PHOTO INTERRUPTER
C.CE.SAFTY	: RECOGNIZED CERAMIC CAP	PHOT.RFLCT	: PHOTO REFLECTOR
C.CE.TUBLR	: CERAMIC TUBULAR CAP	PIN.TEST	: PIN, TEST POINT
C.CE.SMI	: SEMI CONDUCTIVE CERAMIC CAP	PLST.RIVET	: PLASTIC RIVET
C.EL	: ELECTROLYTIC CAP	R.ARRAY	: RESISTOR ARRAY
C.MICA	: MICA CAP	R.CAR	: CARBON RESISTOR
C.ML.FLM	: MULTILAYER FILM CAP	R.CAR.CHP	: CHIP RESISTOR
C.MP	: METALLIZED PAPER CAP	R.CAR.FP	: FLAME PROOF CARBON RESISTOR
C.MYLAR	: MYLAR FILM CAP	R.FUS	: FUSABLE RESISTOR
C.MYLAR.ML	: MULTILAYER MYLAR FILM CAP	R.MTL.CHP	: CHIP METAL FILM RESISTOR
C.PAPER	: PAPER CAPACITOR	R.MTL.FLM	: METAL FILM RESISTOR
C.PLS	: POLYSTYRENE FILM CAP	R.MTL.OXD	: METAL OXIDE FILM RESISTOR
C.POL	: POLYESTER FILM CAP	R.MTL.PLAT	: METAL PLATE RESISTOR
C.POLY	: POLYETHYLENE FILM CAP	RSNR.CE	: CERAMIC RESONATOR
C.PP	: POLYPROPYLENE FILM CAP	RSNR.CRYS	: CRYSTAL RESONATOR
C.TNTL	: TANTALUM CAP	R.TW.CEM	: TWIN CEMENT FIXED RESISTOR
C.TNTL.CHP	: CHIP TANTALUM CAP	R.WW	: WIRE WOUND RESISTOR
C.TRIM	: TRIMMER CAP	SCR.BND.HD	: BIND HEAD B-TITE SCREW
CN	: CONNECTOR	SCR.BW.HD	: BW HEAD TAPPING SCREW
CN.BS.PIN	: CONNECTOR, BASE PIN	SCR.CUP	: CUP TITE SCREW
CN.CANNON	: CONNECTOR, CANNON	SCR.TERM	: SCREW TERMINAL
CN.DIN	: CONNECTOR, DIN	SCR.TR	: SCREW, TRANSISTOR
CN.FLAT	: CONNECTOR, FLAT CABLE	SUPRT.PCB	: SUPPORT, P.C.B.
CN.POST	: CONNECTOR, BASE POST	SURG.PRTCT	: SURGE PROTECTOR
COIL.MX.AM	: COIL, AM MIX	SW.TACT	: TACT SWITCH
COIL.AT.FM	: COIL, FM ANTENNA	SW.LEAF	: LEAF SWITCH
COIL.DT.FM	: COIL, FM DETECT	SW.LEVER	: LEVER SWITCH
COIL.MX.FM	: COIL, FM MIX	SW.MICRO	: MICRO SWITCH
COIL.OUTPT	: OUTPUT COIL	SW.PUSH	: PUSH SWITCH
DIOD.ARRAY	: DIODE ARRAY	SW.RT.ENC	: ROTARY ENCODER
DIODE.BRG	: DIODE BRIDGE	SW.RT.MTR	: ROTARY SWITCH WITH MOTOR
DIODE.CHP	: CHIP DIODE	SW.RT	: ROTARY SWITCH
DIODE.VAR	: VARACTOR DIODE	SW.SLIDE	: SLIDE SWITCH
DIOD.Z.CHP	: CHIP ZENER DIODE	TERM.SP	: SPEAKER TERMINAL
DIODE.ZENR	: ZENER DIODE	TERM.WRAP	: WRAPPING TERMINAL
DSCR.CE	: CERAMIC DISCRIMINATOR	THRMST.CHP	: CHIP THERMISTOR
FER.BEAD	: FERRITE BEADS	TR.CHP	: CHIP TRANSISTOR
FER.CORE	: FERRITE CORE	TR.DGT	: DIGITAL TRANSISTOR
FET.CHP	: CHIP FET	TR.DGT.CHP	: CHIP DIGITAL TRANSISTOR
FL.DSPLY	: FLUORESCENT DISPLAY	TRANS	: TRANSFORMER
FLTR.CE	: CERAMIC FILTER	TRANS.PULS	: PULSE TRANSFORMER
FLTR.COMB	: COMB FILTER MODULE	TRANS.PWR	: POWER TRANSFORMER ASS'y
FLTR.LC.RF	: LC FILTER ,EMI	TUNER.AM	: TUNER PACK, AM
GND.MTL	: GROUND PLATE	TUNER.FM	: TUNER PACK, FM
GND.TERM	: GROUND TERMINAL	TUNER.PK	: FRONT-END TUNER PACK
HOLDER.FUS	: FUSE HOLDER	VR	: ROTARY POTENTIOMETER
IC.PRTCT	: IC PROTECTOR	VR.MTR	: POTENTIOMETER WITH MOTOR
JUMPER.CN	: JUMPER CONNECTOR	VR.SW	: POTENTIOMETER WITH ROTARY SW
JUMPER.TST	: JUMPER, TEST POINT	VR.SLIDE	: SLIDE POTENTIOMETER
L.DTCT	: LIGHT DETECTING MODULE	VR.TRIM	: TRIMMER POTENTIOMETER

Note) Those parts marked with "#" are not included in the P.C.B. ass'y.

P.C.B. FUNCTION

Schm Ref.	PART NO.	Description		
* VZ800900	P. C. B.	FUNCTION (UCRT)		
* VZ801000	P. C. B.	FUNCTION (ABG)		
CB1	VQ047600	CN. BS. PIN	21P	
CB2	VB858500	CN. BS. PIN	6P	
CB3	VP113500	CN. BS. PIN	10P	
CB4	VM923600	CN. BS. PIN	13P	
CB5	VQ047400	CN. BS. PIN	19P	
CB6	VQ047300	CN. BS. PIN	12P	
CB7	VQ047300	CN. BS. PIN	12P	
CB8	VQ047400	CN. BS. PIN	19P	
CB9	VB858200	CN. BS. PIN	3P	
CB10	VB858700	CN. BS. PIN	8P	
CB11	VM859500	CN. BS. PIN	11P	
CB12	VM859500	CN. BS. PIN	11P	
CB13	VB858100	CN. BS. PIN	2P	
C1	UB245100	C. CE. M. CHP	0. 1uF	25V
C2	Vi841400	C. EL	1000uF	6. 3V
C3	UB245100	C. CE. M. CHP	0. 1uF	25V
C4	UB245100	C. CE. M. CHP	0. 1uF	25V
C5	UB013100	C. CE. M. CHP	1000pF	50V
C6	UB245100	C. CE. M. CHP	0. 1uF	25V
C7	UB245100	C. CE. M. CHP	0. 1uF	25V
C8	UB013100	C. CE. M. CHP	1000pF	50V
C9	UB245100	C. CE. M. CHP	0. 1uF	25V
C10	Vi844800	C. EL	0. 47uF	50V
C11	UB245100	C. CE. M. CHP	0. 1uF	25V
C12	UB245100	C. CE. M. CHP	0. 1uF	25V
C13	UB245100	C. CE. M. CHP	0. 1uF	25V
C14	UB245100	C. CE. M. CHP	0. 1uF	25V
C15	Vi845900	C. EL	10uF	63V
C16	UB245100	C. CE. M. CHP	0. 1uF	25V
C17	Vi844900	C. EL	1uF	50V
C18	UB245100	C. CE. M. CHP	0. 1uF	25V
C19	UB245100	C. CE. M. CHP	0. 1uF	25V
C20	Vi845600	C. EL	47uF	50V
C21	VU545000	C. EL	47000uF	5. 5V
C22	Vi841400	C. EL	1000uF	6. 3V
C23	Vi841400	C. EL	1000uF	6. 3V
C24	UB245100	C. CE. M. CHP	0. 1uF	25V
C25	Vi844900	C. EL	1uF	50V
C26	Vi845000	C. EL	2. 2uF	50V
C27	UB245100	C. CE. M. CHP	0. 1uF	25V
C28	Vi845000	C. EL	2. 2uF	50V
C107	Vi845600	C. EL	47uF	50V
C112	Vi845900	C. EL	10uF	63V
C113	Vi845900	C. EL	10uF	63V
C114	Vi845900	C. EL	10uF	63V
C115	Vi845900	C. EL	10uF	63V
C116	Vi845900	C. EL	10uF	63V
C117	Vi845900	C. EL	10uF	63V
C118	Vi845900	C. EL	10uF	63V
C119	Vi845900	C. EL	10uF	63V
C120	Vi845600	C. EL	47uF	50V

* New Parts

Schm Ref.	PART NO.	Description		
C121	Vi845600	C. EL	47uF	50V
C122	UB245100	C. CE. M. CHP	0. 1uF	25V
C123	Vi845900	C. EL	10uF	63V
C124	Vi845900	C. EL	10uF	63V
C125	Vi845900	C. EL	10uF	63V
C126	Vi845900	C. EL	10uF	63V
C127	Vi845900	C. EL	10uF	63V
C128	Vi845900	C. EL	10uF	63V
C129	Vi845000	C. EL	10uF	63V
C130	UP652100	C. POL	2. 2uF	50V
* C131	UP652100	C. POL	100pF	100V
* C132	UP652100	C. POL	100pF	100V
C133	Vi845000	C. EL	2. 2uF	50V
C134	Vi845000	C. EL	2. 2uF	50V
* C135	UP652100	C. POL	100pF	100V
C136	Vi841800	C. EL	100uF	10V
* C137	UP652100	C. POL	100pF	100V
C138	Vi841800	C. EL	100uF	10V
C140	Vi845000	C. EL	2. 2uF	50V
C141	Vi845000	C. EL	2. 2uF	50V
C142	FU351220	C. MICA	22pF	500V
C143	Vi841800	C. EL	100uF	10V
C144	FU351220	C. MICA	22pF	500V
C145	Vi841800	C. EL	100uF	10V
C146	Vi845000	C. EL	2. 2uF	50V
C147	Vi845000	C. EL	2. 2uF	50V
C148	FU351220	C. MICA	22pF	500V
C149	Vi841800	C. EL	100uF	10V
C150	FU351220	C. MICA	22pF	500V
C151	Vi841800	C. EL	100uF	10V
C152	Vi845000	C. EL	2. 2uF	50V
C153	Vi841800	C. EL	100uF	10V
C154	Vi845600	C. EL	47uF	50V
C155	Vi841800	C. EL	100uF	10V
C156	Vi841800	C. EL	100uF	10V
C157	Vi845600	C. EL	47uF	50V
C158	Vi841800	C. EL	100uF	10V
C159	Vi845900	C. EL	10uF	63V
C160	Vi845900	C. EL	10uF	63V
C161	Vi845600	C. EL	47uF	50V
C162	Vi845600	C. EL	47uF	50V
C163	Vi845900	C. EL	10uF	63V
* C164	UP652100	C. POL	100pF	100V
C165	Vi845600	C. EL	47uF	50V
C166	Vi845600	C. EL	47uF	50V
* C167	UP652100	C. POL	100pF	100V
* C168	UP654270	C. POL	0. 027uF	100V
* C169	UP654270	C. POL	0. 027uF	100V
C170	Vi845900	C. EL	10uF	63V
C171	Vi845900	C. EL	10uF	63V
* C172	UP654270	C. POL	0. 027uF	100V
* C173	UP654270	C. POL	0. 027uF	100V
* C174	UP654270	C. POL	0. 027uF	100V

* New Parts

P.C.B. FUNCTION

Schm Ref.	PART NO.	Description		
* C175	UP654270	C. POL	0.027uF	100V
C176	Vi844500	C. EL	0.1uF	50V
C177	Vi845900	C. EL	10uF	63V
C178	Vi845900	C. EL	10uF	63V
C179	Vi845900	C. EL	10uF	63V
C180	Vi844500	C. EL	0.1uF	50V
C181	Vi844500	C. EL	0.1uF	50V
C182	Vi845900	C. EL	10uF	63V
C183	Vi845900	C. EL	10uF	63V
C184	Vi844500	C. EL	0.1uF	50V
C185	Vi844500	C. EL	0.1uF	50V
C186	Vi845900	C. EL	10uF	63V
C187	Vi845900	C. EL	10uF	63V
C188	Vi845900	C. EL	10uF	63V
C189	Vi845900	C. EL	10uF	63V
C190	Vi844500	C. EL	0.1uF	50V
C191	Vi844500	C. EL	0.1uF	50V
C192	UB245100	C. CE. M. CHP	0.1uF	25V
C193	Vi844500	C. EL	0.1uF	50V
C194	UA652100	C. MYLAR	100pF	50V
C195	Vi844500	C. EL	0.1uF	50V
C196	UB245100	C. CE. M. CHP	0.1uF	25V
C197	Vi844500	C. EL	0.1uF	50V
C198	Vi844500	C. EL	0.1uF	50V
C199	UB245100	C. CE. M. CHP	0.1uF	25V
C200	Vi844500	C. EL	0.1uF	50V
C201	Vi845600	C. EL	47uF	50V
C202	Vi845600	C. EL	47uF	50V
C203	Vi845600	C. EL	47uF	50V
C204	Vi845600	C. EL	47uF	50V
C205	Vi845900	C. EL	10uF	63V
* C206	UP654100	C. POL	0.01uF	100V
* C207	UP654100	C. POL	0.01uF	100V
C208	Vi845900	C. EL	10uF	63V
C209	UA652100	C. MYLAR	100pF	50V
C210	UA652100	C. MYLAR	100pF	50V
C211	UA652100	C. MYLAR	100pF	50V
C212	FU451100	C. MICA	10pF	500V
* C213	UP654100	C. POL	0.01uF	100V
* C214	UP654100	C. POL	0.01uF	100V
* C215	UP654100	C. POL	0.01uF	100V
* C216	UP654100	C. POL	0.01uF	100V
C217	FU451100	C. MICA	10pF	500V
C218	UA654390	C. MYLAR	0.039uF	50V
C219	UA654330	C. MYLAR	0.033uF	50V
C220	UA654390	C. MYLAR	0.039uF	50V
C221	UA654330	C. MYLAR	0.033uF	50V
C222	UA654330	C. MYLAR	0.033uF	50V
C223	UA654390	C. MYLAR	0.039uF	50V
C226	Vi845600	C. EL	47uF	50V
C227	Vi845600	C. EL	47uF	50V
C228	Vi845600	C. EL	47uF	50V
C229	Vi845600	C. EL	47uF	50V

* New Parts

Schm Ref.	PART NO.	Description		
* C230	UP652100	C. POL	100pF	100V
C231	Vi845600	C. EL	47uF	50V
C232	UA653560	C. MYLAR	5600pF	50V
C233	VR168300	C. MYLAR. ML	EQQ-V1H104JL3	
C234	UA653560	C. MYLAR	5600pF	50V
C235	VR168300	C. MYLAR. ML	EQQ-V1H104JL3	
C236	VR168300	C. MYLAR. ML	EQQ-V1H104JL3	
C237	UA653560	C. MYLAR	5600pF	50V
C238	Vi845600	C. EL	47uF	50V
C239	Vi845600	C. EL	47uF	50V
C240	Vi845600	C. EL	47uF	50V
C241	Vi845600	C. EL	47uF	50V
C242	Vi844900	C. EL	1uF	50V
C243	Vi845900	C. EL	10uF	63V
C244	Vi845900	C. EL	10uF	63V
C245	Vi845600	C. EL	47uF	50V
C246	Vi845600	C. EL	47uF	50V
C247	Vi845900	C. EL	10uF	63V
C248	UA652100	C. MYLAR	100pF	50V
C249	UA652100	C. MYLAR	100pF	50V
C252	Vi845600	C. EL	47uF	50V
C253	Vi845600	C. EL	47uF	50V
C254	Vi844500	C. EL	0.1uF	50V
C255	Vi845900	C. EL	10uF	63V
C256	Vi845900	C. EL	10uF	63V
C257	Vi844500	C. EL	0.1uF	50V
C260	FU451100	C. MICA	10pF	500V
C261	FU451100	C. MICA	10pF	500V
C262	Vi844500	C. EL	0.1uF	50V
C263	UB245100	C. CE. M. CHP	0.1uF	25V
C264	Vi844500	C. EL	0.1uF	50V
C270	UA652100	C. MYLAR	100pF	50V
C271	UA652100	C. MYLAR	100pF	50V
D1	VT332900	DIODE	1SS355	
* D2	VU172200	DIODE. ZENR	UDZ 6.8BTE-17	6.8V
* D3	VU171800	DIODE. ZENR	UDZ 4.7BTE-17	4.7V
D4	VT332900	DIODE	1SS355	
D5	VT332900	DIODE	1SS355	
D6	VT332900	DIODE	1SS355	
D7	VT332900	DIODE	1SS355	
D8	VT332900	DIODE	1SS355	
D9	VT332900	DIODE	1SS355	
D10	VT332900	DIODE	1SS355	
* D11	VU171800	DIODE. ZENR	UDZ 4.7BTE-17	4.7V
D12	VT332900	DIODE	1SS355	
D13	VT332900	DIODE	1SS355	
D101	VU171900	DIODE. ZENR	UDZ 5.1BTE-17	5.1V
IC1	XU391B00	IC	CPU	
IC2	XA507A00	IC	AN78N05	
IC3	XP894A00	IC	LC78211	
IC4	XP896A00	IC	LC78213	
IC5	XP896A00	IC	LC78213	
IC6	XE536001	IC	LC7535	

* New Parts

P.C.B. FUNCTION & MAIN

Schm Ref.	PART NO.	Description
IC7	XE536001	IC LC7535
IC8	XE536001	IC LC7535
IC9	XE536001	IC LC7535
IC11	XF291A00	IC uPC4570G2
IC12	XF291A00	IC uPC4570G2
IC13	XF291A00	IC uPC4570G2
IC14	XJ553A00	IC NJM2068MD
IC15	XJ553A00	IC NJM2068MD
IC16	XJ553A00	IC NJM2068MD
IC17	XJ553A00	IC NJM2068MD
IC18	XF291A00	IC uPC4570G2
IC19	XF291A00	IC uPC4570G2
IC20	XF291A00	IC uPC4570G2
IC21	XF291A00	IC uPC4570G2
IC22	XF291A00	IC uPC4570G2
IC23	XF291A00	IC uPC4570G2
IC24	XF291A00	IC uPC4570G2
IC25	XF291A00	IC uPC4570G2
IC26	XE518A00	IC uPC4574G2
IC27	XF291A00	IC uPC4570G2
IC28	XE518A00	IC uPC4574G2
IC29	XE518A00	IC uPC4574G2
IC30	XE518A00	IC uPC4574G2
IC31	XE518A00	IC uPC4574G2
Q1	iA093320	TR 2SA933S Q, R
Q2	iC174020	TR 2SC1740S R, S
Q3	VG722000	TR. DGT DTC144ES
Q4	iA093320	TR 2SA933S Q, R
Q5	iA093320	TR 2SA933S Q, R
Q6	iA093320	TR 2SA933S Q, R
Q7	iA093320	TR 2SA933S Q, R
Q105	VK432900	TR 2SD1915F S, T
Q106	VK432900	TR 2SD1915F S, T
Q107	VK432900	TR 2SD1915F S, T
Q108	VK432900	TR 2SD1915F S, T
Q109	VK432900	TR 2SD1915F S, T
R5	HV455180	R. CAR. FP 180 Ω 1/4W
R24	HV455150	R. CAR. FP 150 Ω 1/4W
R125	HV456150	R. CAR. FP 1.5K Ω 1/4W
R128	HV453470	R. CAR. FP 4.7 Ω 1/4W
R129	HV453470	R. CAR. FP 4.7 Ω 1/4W
R234	HV453330	R. CAR. FP 3.3 Ω 1/4W
R235	HV453330	R. CAR. FP 3.3 Ω 1/4W
R236	HV453330	R. CAR. FP 3.3 Ω 1/4W
R237	HV453330	R. CAR. FP 3.3 Ω 1/4W
* VR101	VZ621400	VR. MTR RK16Y18MCL
XL1	VE222400	RSNR. CE 8MHz
	VJ828000	PIN IMSA-6024-03E
	BB071360	SCR. TERM 8.3x13

* New Parts

Schm Ref.	PART NO.	Description
*	VZ801200	P. C. B. MAIN(UC)
*	VZ801300	P. C. B. MAIN(RT)
*	VZ801400	P. C. B. MAIN(A)
*	VZ801500	P. C. B. MAIN(BG)
CB101	LA002400	TERM. WRAP 3P L-753B
CB102	VP206500	HOLDER. FUS EYF-52BC
CB103	VP206500	HOLDER. FUS EYF-52BC
CB104	LA002390	TERM. WRAP 2P
CB105	VP206500	HOLDER. FUS EYF-52BC
CB106	VP206500	HOLDER. FUS EYF-52BC
CB107	LA002390	TERM. WRAP 2P
CB108	VD005400	CN. BS. PIN 2P
CB109	VB858500	CN. BS. PIN 6P
* CB305	VN924200	CN. BS. PIN FE 21P TE
CB306	VQ961600	CN 13P
CB307	VQ963400	CN. BS. PIN 13P
CB308	VQ963400	CN. BS. PIN 13P
CB312	VQ961600	CN 13P
C101	Vi862200	C. POLY 0.1uF 100V
C102	Vi862200	C. POLY 0.1uF 100V
C103	Vi862200	C. POLY 0.1uF 100V
C104	Vi862200	C. POLY 0.1uF 100V
C105	Vi862200	C. POLY 0.1uF 100V
C106	Vi862200	C. POLY 0.1uF 100V
C107	VK181600	C. EL 1000uF 35V
C108	Vi844900	C. EL 1uF 50V
C109	Vi845900	C. EL 10uF 63V
C110	Vi846200	C. EL 47uF 63V
* C111	VZ726000	C. EL 27000uF 71V
* C112	VZ726000	C. EL 27000uF 71V
C113	VG875500	C. EL 4700uF 45V
C114	VG875500	C. EL 4700uF 45V
C115	Vi845200	C. EL 4.7uF 50V
C116	Vi845700	C. EL 100uF 50V
C117	Vi845900	C. EL 10uF 63V
C118	Vi845700	C. EL 100uF 50V
C301	Vi846000	C. EL 22uF 63V
C302	Vi846000	C. EL 22uF 63V
C305	UT452100	C. PP 100pF 100V
C306	UT452100	C. PP 100pF 100V
C307	Vi845900	C. EL 10uF 63V
C308	Vi845900	C. EL 10uF 63V
C309	UT452470	C. PP 470pF 100V
C310	UT452470	C. PP 470pF 100V
C311	Vi845900	C. EL 10uF 63V
C312	Vi845900	C. EL 10uF 63V
C313	UT452470	C. PP 470pF 100V
C314	UT452470	C. PP 470pF 100V
C315	Vi845900	C. EL 10uF 63V
C316	UT452470	C. PP 470pF 100V
C317	Vi845900	C. EL 10uF 63V
C318	UT452470	C. PP 470pF 100V
C319	Vi845900	C. EL 10uF 63V

* New Parts

P.C.B. MAIN

Schm Ref.	PART NO.	Description		
C320	UT452470	C. PP	470pF	100V
C322	VH622100	C. EL	10uF	50V
C324	UT452100	C. PP	100pF	100V
C325	UT452100	C. PP	100pF	100V
C326	UT452100	C. PP	100pF	100V
C327	VH622100	C. EL	10uF	50V
C328	VH622100	C. EL	10uF	50V
C329	UT452100	C. PP	100pF	100V
C330	UT452100	C. PP	100pF	100V
C331	VH622100	C. EL	10uF	50V
C332	VH622100	C. EL	10uF	50V
C333	VH574800	C. EL	47uF	100V
C334	VH574800	C. EL	47uF	100V
C335	UT452100	C. PP	100pF	100V
C336	UT452100	C. PP	100pF	100V
C339	Vi841800	C. EL	100uF	10V
C340	Vi841800	C. EL	100uF	10V
C341	FU451150	C. MICA	15pF	500V
C342	FU451150	C. MICA	15pF	500V
C343	VH622200	C. EL	22uF	50V
C344	VH622200	C. EL	22uF	50V
C345	FU452100	C. MICA	100pF	500V
C346	FU452100	C. MICA	100pF	500V
C347	FU452100	C. MICA	100pF	500V
C348	FU452100	C. MICA	100pF	500V
C349	VR325300	C. MYLAR	0.047uF	100V
C350	VR325300	C. MYLAR	0.047uF	100V
C351	Vi846900	C. EL	10uF	100V
C352	Vi846900	C. EL	10uF	100V
C353	Vi846900	C. EL	10uF	100V
C354	Vi846900	C. EL	10uF	100V
C355	UT454100	C. PP	0.01uF	100V
C356	UT454100	C. PP	0.01uF	100V
C357	UT454100	C. PP	0.01uF	100V
C358	UT454100	C. PP	0.01uF	100V
C359	FG214100	C. CE	0.01uF	50V
C360	VH622100	C. EL	10uF	50V
C362	UT452100	C. PP	100pF	100V
C363	VH622100	C. EL	10uF	50V
C364	UT452100	C. PP	100pF	100V
C365	UT452100	C. PP	100pF	100V
C366	VH574800	C. EL	47uF	100V
C368	VH622100	C. EL	10uF	50V
C369	UT452100	C. PP	100pF	100V
C370	UT452100	C. PP	100pF	100V
C371	UT452100	C. PP	100pF	100V
C372	VH622100	C. EL	10uF	50V
C373	UT452100	C. PP	100pF	100V
C374	VH622100	C. EL	10uF	50V
C375	VH574800	C. EL	47uF	100V
C376	UT452100	C. PP	100pF	100V
C378	Vi841800	C. EL	100uF	10V
C379	FU451150	C. MICA	15pF	500V

* New Parts

Schm Ref.	PART NO.	Description		
C380	VH622200	C. EL	22uF	50V
C381	FU452100	C. MICA	100pF	500V
C382	FU452100	C. MICA	100pF	500V
C383	VR325300	C. MYLAR	0.047uF	100V
C384	Vi845100	C. EL	3.3uF	50V
C385	Vi841800	C. EL	100uF	10V
C387	FU451150	C. MICA	15pF	500V
C388	Vi841800	C. EL	100uF	10V
C389	VH622200	C. EL	22uF	50V
C390	FU451150	C. MICA	15pF	500V
C391	Vi841800	C. EL	100uF	10V
C392	VH622200	C. EL	22uF	50V
C393	FU452100	C. MICA	100pF	500V
C394	FU452100	C. MICA	100pF	500V
C395	FU452100	C. MICA	100pF	500V
C396	FU452100	C. MICA	100pF	500V
C397	Vi845000	C. EL	2.2uF	50V
C398	VK179200	C. EL	2200uF	6.3V
C399	UT454100	C. PP	0.01uF	100V
C400	Vi846900	C. EL	10uF	100V
C401	VR325300	C. MYLAR	0.047uF	100V
C404	Vi846900	C. EL	10uF	100V
C405	UT454100	C. PP	0.01uF	100V
C406	VR325300	C. MYLAR	0.047uF	100V
C409	UA654470	C. MYLAR	0.047uF	50V
C410	UA654470	C. MYLAR	0.047uF	50V
C425	Vi845600	C. EL	47uF	50V
C462	UT452470	C. PP	470pF	100V
C463	Vi845900	C. EL	10uF	63V
C495	VE324800	C. MYLAR.ML	0.01uF	50V
C496	VE326200	C. MYLAR.ML	0.15uF	50V
C497	VE324800	C. MYLAR.ML	0.01uF	50V
C498	VE326200	C. MYLAR.ML	0.15uF	50V
C499	VE324800	C. MYLAR.ML	0.01uF	50V
C500	VE326200	C. MYLAR.ML	0.15uF	50V
C551	UT454100	C. PP	0.01uF	100V(ABG)
C552	UT454100	C. PP	0.01uF	100V(ABG)
C553	FG244220	C. CE	0.022uF	50V(RTABG)
C553	UA654220	C. MYLAR	0.022uF	50V(UC)
C554	FG244220	C. CE	0.022uF	50V(RTABG)
C554	UA654220	C. MYLAR	0.022uF	50V(UC)
C555	UT454100	C. PP	0.01uF	100V(ABG)
C556	FG244220	C. CE	0.022uF	50V(RTABG)
C556	UA654220	C. MYLAR	0.022uF	50V(UC)
C557	UT454100	C. PP	0.01uF	100V(ABG)
C558	UT454100	C. PP	0.01uF	100V(ABG)
C559	FG244220	C. CE	0.022uF	50V(RTABG)
C559	UA654220	C. MYLAR	0.022uF	50V(UC)
C560	FG244220	C. CE	0.022uF	50V(RTABG)
C560	UA654220	C. MYLAR	0.022uF	50V(UC)
C561	UT454100	C. PP	0.01uF	100V(ABG)
C562	UT454100	C. PP	0.01uF	100V(ABG)
C563	FG244220	C. CE	0.022uF	50V(RTABG)

* New Parts

P.C.B. MAIN

Schm Ref.	PART NO.	Description
C563	UA654220	C. MYLAR 0.022uF 50V(UC)
C564	FG244220	C. CE 0.022uF 50V(RTABG)
C564	UA654220	C. MYLAR 0.022uF 50V(UC)
C565	VD339900	C. PP 220pF 100V(ABG)
C566	UT452220	C. PP 220pF 100V(ABG)
C567	VD339900	C. PP 220pF 100V(ABG)
C568	UT452220	C. PP 220pF 100V(ABG)
C569	UT452220	C. PP 220pF 100V(ABG)
C571	UA652470	C. MYLAR 470pF 50V(ABG)
C572	UA652470	C. MYLAR 470pF 50V(ABG)
C573	UT453100	C. PP 1000pF 100V(UCRT)
C573	UT453120	C. PP 1200pF 100V(ABG)
C574	UT453100	C. PP 1000pF 100V(UCRT)
C574	UT453120	C. PP 1200pF 100V(ABG)
C575	UT453100	C. PP 1000pF 100V(UCRT)
C575	UT453120	C. PP 1200pF 100V(ABG)
C576	UT453100	C. PP 1000pF 100V(UCRT)
C576	UT453120	C. PP 1200pF 100V(ABG)
C577	UT453100	C. PP 1000pF 100V(UCRT)
C577	UT453120	C. PP 1200pF 100V(ABG)
C578	VF467300	C. CE. TUBLR 0.01uF 16V(ABG)
△ D101	VZ261600	DIODE. BRG RBV1306(UC)
△ * D101	VZ755200	DIODE. BRG D15XB20(RTABG)
△ D102	VN011300	DIODE. BRG D3SBA20 4A 200V
D103	VG442900	DIODE. ZENR MTZJ27B 27V
D104	VG443500	DIODE. ZENR MTZJ30D 30V
D301	iF004600	DIODE 1SS133
D302	iF004600	DIODE 1SS133
D303	iF004600	DIODE 1SS133
D304	iF004600	DIODE 1SS133
D305	iF004600	DIODE 1SS133
D306	iF004600	DIODE 1SS133
D307	iF004600	DIODE 1SS133
D308	iF004600	DIODE 1SS133
D309	iF004600	DIODE 1SS133
D311	iF004600	DIODE 1SS133
D312	iF004600	DIODE 1SS133
D314	iF004600	DIODE 1SS133
D315	iF004600	DIODE 1SS133
D316	iF004600	DIODE 1SS133
D317	iF004600	DIODE 1SS133
D318	iF004600	DIODE 1SS133
D319	iF004600	DIODE 1SS133
D320	VG440800	DIODE. ZENR MTZJ15B 15V
D321	iF004600	DIODE 1SS133
D322	iF004600	DIODE 1SS133
* D323	VU647200	DIODE. SHOT RB441Q-40 T-77
D324	VC398400	DIODE MA185
D325	VC398400	DIODE MA185
D326	VC398400	DIODE MA185
D327	VC398400	DIODE MA185
D328	VC398400	DIODE MA185
D329	VC398400	DIODE MA185

* New Parts

Schm Ref.	PART NO.	Description
D330	VC398400	DIODE MA185
D333	VC398400	DIODE MA185
D334	VC398400	DIODE MA185
D335	VC398400	DIODE MA185
D336	VG435100	DIODE. ZENR MTZJ2.0B 2.0V
D337	VG435100	DIODE. ZENR MTZJ2.0B 2.0V
D338	VG435100	DIODE. ZENR MTZJ2.0B 2.0V
D339	VG435100	DIODE. ZENR MTZJ2.0B 2.0V
D340	VG435100	DIODE. ZENR MTZJ2.0B 2.0V
△ F101	VT943100	FUSE 4A 250V(RTABG)
△ F101	VU079100	FUSE 4A 125A(UC)
△ F102	VT943100	FUSE 4A 250V(RTABG)
△ F102	VU079100	FUSE 4A 125A(UC)
G301	VR463400	TERM. GND D3.5 TP00385
L301	VC664100	COIL 0.95uH
L302	VC664100	COIL 0.95uH
L303	VC664100	COIL 0.95uH
* L304	VU751000	COIL 1.5uH
* L305	VU751000	COIL 1.5uH
* L306	VU751000	COIL 1.5uH
* L307	VU751000	COIL 1.5uH
PJ551	VJ715400	JACK. PIN 4P
PJ552	VN930600	JACK. PIN 4P
PJ554	VN930700	JACK. PIN 2P
PJ555	VJ133600	JACK. PIN 2P
PJ556	VJ133600	JACK. PIN 2P
△ * Q101	VS548300	TR 2SBM
Q102	iC1815C0	TR 2SC1815 Y
△ * Q103	VS548300	TR 2SBM
Q301	VK432900	TR 2SD1915F S,T
Q302	VK432900	TR 2SD1915F S,T
Q303	VK432900	TR 2SD1915F S,T
Q304	VK432900	TR 2SD1915F S,T
Q305	VK432900	TR 2SD1915F S,T
Q306	VK432900	TR 2SD1915F S,T
Q307	VK432900	TR 2SD1915F S,T
Q308	VK432900	TR 2SD1915F S,T
Q309	VK432900	TR 2SD1915F S,T
Q311	iA097000	TR 2SA970 GR,BL
Q312	iA097000	TR 2SA970 GR,BL
Q313	iA097000	TR 2SA970 GR,BL
Q314	iA097000	TR 2SA970 GR,BL
Q315	iC1815C0	TR 2SC1815 Y
Q316	iC1815C0	TR 2SC1815 Y
Q317	iC1815C0	TR 2SC1815 Y
Q318	iC1815C0	TR 2SC1815 Y
Q319	iC1815C0	TR 2SC1815 Y
Q320	iC1815C0	TR 2SC1815 Y
Q321	VE198800	TR 2SC2705 O,Y
Q322	VE198800	TR 2SC2705 O,Y
Q323	VE198700	TR 2SA1145 O,Y
Q324	VE198700	TR 2SA1145 O,Y
# Q325	VC398100	TR 2SC1846 S

* New Parts

P.C.B. MAIN

Schm Ref.	PART NO.	Description
# Q326	VC398100	TR 2SC1846 S
Q327	VE198700	TR 2SA1145 O, Y
Q328	VE198700	TR 2SA1145 O, Y
Q329	VE198800	TR 2SC2705 O, Y
Q330	VE198800	TR 2SC2705 O, Y
Q331	iA097000	TR 2SA970 GR, BL
Q332	iA097000	TR 2SA970 GR, BL
Q333	iC1815C0	TR 2SC1815 Y
Q334	iC1815C0	TR 2SC1815 Y
Q335	iA097000	TR 2SA970 GR, BL
Q336	iA093320	TR 2SA933S Q, R
Q337	iA097000	TR 2SA970 GR, BL
Q338	iC1815C0	TR 2SC1815 Y
Q339	iC224030	TR 2SC2240 GR, BL
Q340	iC224030	TR 2SC2240 GR, BL
Q341	iA097000	TR 2SA970 GR, BL
Q342	iA097000	TR 2SA970 GR, BL
Q343	iC1815C0	TR 2SC1815 Y
Q344	iC1815C0	TR 2SC1815 Y
Q345	iC1815C0	TR 2SC1815 Y
Q346	VE198800	TR 2SC2705 O, Y
Q347	VE198700	TR 2SA1145 O, Y
Q348	VK432900	TR 2SD1915F S, T
Q349	VE198700	TR 2SA1145 O, Y
Q350	VE198800	TR 2SC2705 O, Y
Q351	iC1815C0	TR 2SC1815 Y
Q352	VE198700	TR 2SA1145 O, Y
Q353	VE198800	TR 2SC2705 O, Y
Q354	iC1815C0	TR 2SC1815 Y
Q355	iC224030	TR 2SC2240 GR, BL
Q356	iA097000	TR 2SA970 GR, BL
Q357	VE198700	TR 2SA1145 O, Y
Q358	VE198800	TR 2SC2705 O, Y
Q359	iC1815C0	TR 2SC1815 Y
Q360	VE198800	TR 2SC2705 O, Y
Q361	iC174020	TR 2SC1740S R, S
Q362	VD488500	TR. DGT DTC143XS
Q363	VD488500	TR. DGT DTC143XS
△ Q364A	iX632610	TR 2SA1837 O, Y
△ Q364C	iX632620	TR 2SC4793 O, Y
Q365	VK432900	TR 2SD1915F S, T
Q366	VE198700	TR 2SA1145 O, Y
Q367	iA093320	TR 2SA933S Q, R
Q368	VK432900	TR 2SD1915F S, T
△# Q369A	iX637430	TR 2SA1943 O, R
△# Q369C	iX637440	TR 2SC5200 O, R
Q370	VE198800	TR 2SC2705 O, Y
△# Q371A	iX632610	TR 2SA1837 O, Y
△# Q371C	iX632620	TR 2SC4793 O, Y
# Q372	VC398100	TR 2SC1846 S
Q373	VE198700	TR 2SA1145 O, Y
△# Q374A	iX637430	TR 2SA1943 O, R
△# Q374C	iX637440	TR 2SC5200 O, R

* New Parts

Schm Ref.	PART NO.	Description
Q375	iC224030	TR 2SC2240 GR, BL
Q376	iC224030	TR 2SC2240 GR, BL
△ Q377A	iX632610	TR 2SA1837 O, Y
△ Q377C	iX632620	TR 2SC4793 O, Y
△# Q378A	iX637430	TR 2SA1943 O, R
△# Q378C	iX637440	TR 2SC5200 O, R
△ Q379A	iX632610	TR 2SA1837 O, Y
△ Q379C	iX632620	TR 2SC4793 O, Y
△# Q380A	iX637430	TR 2SA1943 O, R
△# Q380C	iX637440	TR 2SC5200 O, R
△ Q381A	iX632610	TR 2SA1837 O, Y
△ Q381C	iX632620	TR 2SC4793 O, Y
△# Q382A	iX637430	TR 2SA1943 O, R
△# Q382C	iX637440	TR 2SC5200 O, R
# Q390	VC398100	TR 2SC1846 S
# Q391	VC398100	TR 2SC1846 S
△ R105	HV456470	R. CAR. FP 4.7K Ω 1/4W
△ R109	HL314100	R. MIL. OXD 10 Ω 1W
R110	HV456820	R. CAR. FP 8.2K Ω 1/4W
△ R111	HV455100	R. CAR. FP 100 Ω 1/4W
△ R112	HV453220	R. CAR. FP 2.2 Ω 1/4W
△ R113	HL314330	R. MIL. OXD 33 Ω 1W
△ R114	HV456330	R. CAR. FP 3.3K Ω 1/4W
△ R333	HZ003050	R. WW 0.22 Ω 5W
△ R334	HZ003050	R. WW 0.22 Ω 5W
△ R359	HV455220	R. CAR. FP 220 Ω 1/4W
△ R360	HV455220	R. CAR. FP 220 Ω 1/4W
△ R361	HV455220	R. CAR. FP 220 Ω 1/4W
△ R362	HV455220	R. CAR. FP 220 Ω 1/4W
△ R363	VK188000	R. FUS 150 Ω 1/4W
△ R364	VK188000	R. FUS 150 Ω 1/4W
R365	HV457150	R. CAR. FP 15K Ω 1/4W
R366	HV457150	R. CAR. FP 15K Ω 1/4W
R367	HV457150	R. CAR. FP 15K Ω 1/4W
R368	HV457150	R. CAR. FP 15K Ω 1/4W
R369	HV457150	R. CAR. FP 15K Ω 1/4W
R370	HV457150	R. CAR. FP 15K Ω 1/4W
△ R371	HV455100	R. CAR. FP 100 Ω 1/4W
△ R372	HV455100	R. CAR. FP 100 Ω 1/4W
△ R373	HV455680	R. CAR. FP 680 Ω 1/4W
△ R374	HV455680	R. CAR. FP 680 Ω 1/4W
△ R379	VK189500	R. FUS 3.3K Ω 1/4W
△ R380	VK189500	R. FUS 3.3K Ω 1/4W
△ R381	VK188700	R. FUS 560 Ω 1/4W
△ R382	VK188700	R. FUS 560 Ω 1/4W
△ R383	HV454470	R. CAR. FP 47 Ω 1/4W
△ R384	HV454470	R. CAR. FP 47 Ω 1/4W
△ R385	VK189100	R. FUS 1.2K Ω 1/4W
△ R386	VK189100	R. FUS 1.2K Ω 1/4W
△ R387	VK188400	R. FUS 330 Ω 1/4W
△ R388	VK188400	R. FUS 330 Ω 1/4W
△ R389	HV453470	R. CAR. FP 4.7 Ω 1/4W
△ R390	HV453470	R. CAR. FP 4.7 Ω 1/4W

* New Parts

P.C.B. MAIN & DSP

Schm Ref.	PART NO.	Description		
△ R391	HV453470	R. CAR. FP	4.7Ω	1/4W
△ R392	HV453470	R. CAR. FP	4.7Ω	1/4W
△ R393	HZ003050	R. WW	0.22Ω	5W
△ R394	HZ003050	R. WW	0.22Ω	5W
△ R401	HV453470	R. CAR. FP	4.7Ω	1/4W
△ R402	HV453470	R. CAR. FP	4.7Ω	1/4W
△ R403	HL314100	R. MIL. OXD	10Ω	1W
△ R404	HL314100	R. MIL. OXD	10Ω	1W
△ R405	VE009700	R. FUS	4.7Ω	1/4W
△ R406	VE009700	R. FUS	4.7Ω	1/4W
△ R407	VE009700	R. FUS	4.7Ω	1/4W
△ R408	VE009700	R. FUS	4.7Ω	1/4W
△ R428	HV455220	R. CAR. FP	220Ω	1/4W
△ R429	HV455220	R. CAR. FP	220Ω	1/4W
△ R430	VK188000	R. FUS	150Ω	1/4W
△ R431	HV457150	R. CAR. FP	15KΩ	1/4W
△ R432	HV457150	R. CAR. FP	15KΩ	1/4W
△ R433	HV457150	R. CAR. FP	15KΩ	1/4W
△ R434	HV455100	R. CAR. FP	100Ω	1/4W
△ R435	HV455680	R. CAR. FP	680Ω	1/4W
△ R438	VK189500	R. FUS	3.3KΩ	1/4W
△ R439	VK188700	R. FUS	560Ω	1/4W
△ R440	HV454470	R. CAR. FP	47Ω	1/4W
△ R441	VK189100	R. FUS	1.2KΩ	1/4W
△ R442	VK188400	R. FUS	330Ω	1/4W
△ R443	HV453470	R. CAR. FP	4.7Ω	1/4W
△ R444	HV453470	R. CAR. FP	4.7Ω	1/4W
△ R445	VJ787600	R. MIL. PLAT	0.22Ω+0.22	5W
△ R449	HV453470	R. CAR. FP	4.7Ω	1/4W
△ R450	HL314100	R. MIL. OXD	10Ω	1W
△ R456	HV455220	R. CAR. FP	220Ω	1/4W
△ R457	HV455220	R. CAR. FP	220Ω	1/4W
△ R469	HV455220	R. CAR. FP	220Ω	1/4W
△ R470	HV455220	R. CAR. FP	220Ω	1/4W
△ R471	VK188000	R. FUS	150Ω	1/4W
△ R472	HV457150	R. CAR. FP	15KΩ	1/4W
△ R473	VK189500	R. FUS	3.3KΩ	1/4W
△ R475	HV457150	R. CAR. FP	15KΩ	1/4W
△ R476	HV457150	R. CAR. FP	15KΩ	1/4W
△ R478	VK188700	R. FUS	560Ω	1/4W
△ R479	HV455100	R. CAR. FP	100Ω	1/4W
△ R480	HV455680	R. CAR. FP	680Ω	1/4W
△ R481	HV454470	R. CAR. FP	47Ω	1/4W
△ R482	VK188000	R. FUS	150Ω	1/4W
△ R483	HV457150	R. CAR. FP	15KΩ	1/4W
△ R484	VK189500	R. FUS	3.3KΩ	1/4W
△ R487	HV457150	R. CAR. FP	15KΩ	1/4W
△ R488	HV457150	R. CAR. FP	15KΩ	1/4W
△ R490	VK188700	R. FUS	560Ω	1/4W
△ R492	HV455100	R. CAR. FP	100Ω	1/4W
△ R501	HV455680	R. CAR. FP	680Ω	1/4W
△ R503	VK189100	R. FUS	1.2KΩ	1/4W
△ R504	VK188400	R. FUS	330Ω	1/4W

* New Parts

Schm Ref.	PART NO.	Description		
△ R505	VK189100	R. FUS	1.2KΩ	1/4W
△ R506	VK188400	R. FUS	330Ω	1/4W
△ R508	HV453470	R. CAR. FP	4.7Ω	1/4W
△ R511	VJ787600	R. MIL. PLAT	0.22Ω+0.22	5W
△ R512	HV453470	R. CAR. FP	4.7Ω	1/4W
△ R514	HV453470	R. CAR. FP	4.7Ω	1/4W
△ R517	VJ787600	R. MIL. PLAT	0.22Ω+0.22	5W
△ R518	HV453470	R. CAR. FP	4.7Ω	1/4W
△ R519	VE009700	R. FUS	4.7Ω	1/4W
△ R520	HV454100	R. CAR. FP	10Ω	1/4W
△ R525	HV453470	R. CAR. FP	4.7Ω	1/4W
△ R526	VE009700	R. FUS	4.7Ω	1/4W
△ R527	HV454100	R. CAR. FP	10Ω	1/4W
△ R530	HV453470	R. CAR. FP	4.7Ω	1/4W
△ R535	HV453470	R. CAR. FP	4.7Ω	1/4W
△ R536	HV456470	R. CAR. FP	4.7KΩ	1/4W
△ R537	HV453470	R. CAR. FP	4.7Ω	1/4W
△ R545	HV454100	R. CAR. FP	10Ω	1/4W
△ R546	HV454100	R. CAR. FP	10Ω	1/4W
△ R558	HL315220	R. MIL. OXD	220Ω	1W
△ R559	HL315220	R. MIL. OXD	220Ω	1W
RY301	KC002020	RELAY	DH24D2-OT/M	
RY302	KC002020	RELAY	DH24D2-OT/M	
RY303	VK438300	RELAY	DH24D2-OT/M2	
RY304	KC002020	RELAY	DH24D2-OT/M	
SW301	VT903900	SW. SLIDE	SSAA22 (RT)	
SW303	VJ769200	SW. SLIDE	ESD-2764	
TE551	VJ792600	TERM. SP	8P (UCRTA)	
TE551	VV452500	TERM. SP	8P (BG)	
TE552	VJ792600	TERM. SP	8P (UCRTA)	
TE552	VV452500	TERM. SP	8P (BG)	
VR301	VJ692700	VR. TRIM	B330Ω	
VR302	VJ692700	VR. TRIM	B330Ω	
VR303	VJ692700	VR. TRIM	B330Ω	
VR304	VJ692700	VR. TRIM	B330Ω	
VR305	VJ692700	VR. TRIM	B330Ω	
*	VZ681300	HEAT. SINK	PWR	
	BB071360	SCR. TERM	8.3x13	
	VK697600	SCR. BND. HD	3x10 SP ZMC2-Y	
*	V2067500	P. C. B.	DSP (C)	
*	VZ801700	P. C. B.	DSP (URT)	
*	VZ801800	P. C. B.	DSP (ABG)	
CB1	VT620100	L. DTCT	1P TORX178A	
CB2	VT620100	L. DTCT	1P TORX178A	
CB3	VT707200	L. EMIT	TOTX178	
CB4	VT620100	L. DTCT	1P TORX178A	
CB5	VT620100	L. DTCT	1P TORX178A	
CB6	VT620100	L. DTCT	1P TORX178A	
CB7	VQ047500	CN. BS. PIN	20P	
CB8	VN066500	CN. BS. PIN	12P	

* New Parts

P.C.B. DSP

Schm Ref.	PART NO.	Description		
CB9	LB919020	CN. BS. PIN	2P	
CB10	VN066500	CN. BS. PIN	12P	
CB11	VG904000	SOCKET. IC	CLC3064-0101	
CB301	VQ045000	CN. BS. PIN	20P	
CB401	VQ963100	CN. BS. PIN	10P	
CB402	VB858200	CN. BS. PIN	3P	
CB403	VQ963100	CN. BS. PIN	10P	
CB404	VQ044900	CN. BS. PIN	19P	
CB701	LA002000	TERM. WRAP	2P(C)	
CB702	LA002000	TERM. WRAP	2P(C)	
CB901	VQ044600	CN. BS. PIN	13P	
CB902	VB858100	CN. BS. PIN	2P	
C1	UB044220	C. CE. M. CHP	0.022uF	50V
C2	UB044220	C. CE. M. CHP	0.022uF	50V
C3	UB245100	C. CE. M. CHP	0.1uF	25V
C4	Vi846000	C. EL	22uF	63V
C5	UB051220	C. CE. M. CHP	22pF	50V
C6	UB245100	C. CE. M. CHP	0.1uF	25V
C7	Vi846000	C. EL	22uF	63V
C8	UB051220	C. CE. M. CHP	22pF	50V
C9	UB245100	C. CE. M. CHP	0.1uF	25V
C10	Vi846000	C. EL	22uF	63V
C11	UB051220	C. CE. M. CHP	22pF	50V
C12	UB245100	C. CE. M. CHP	0.1uF	25V
C13	UB245100	C. CE. M. CHP	0.1uF	25V
C14	UB245100	C. CE. M. CHP	0.1uF	25V
C15	UB245100	C. CE. M. CHP	0.1uF	25V
C16	UB245100	C. CE. M. CHP	0.1uF	25V
C17	UB245100	C. CE. M. CHP	0.1uF	25V
C18	VJ901600	C. CE. M. CHP	75pF	50V
C19	UB012220	C. CE. M. CHP	220pF	50V
C20	UB051100	C. CE. M. CHP	10pF	50V
C21	UB245100	C. CE. M. CHP	0.1uF	25V
C22	UB012220	C. CE. M. CHP	220pF	50V
C23	UB051100	C. CE. M. CHP	10pF	50V
C24	UB012220	C. CE. M. CHP	220pF	50V
C25	UB051100	C. CE. M. CHP	10pF	50V
C26	UB245100	C. CE. M. CHP	0.1uF	25V
C27	UB013100	C. CE. M. CHP	1000pF	50V
C28	UB245100	C. CE. M. CHP	0.1uF	25V
C29	UB051330	C. CE. M. CHP	33pF	50V
C30	UB245100	C. CE. M. CHP	0.1uF	25V
C31	UB051330	C. CE. M. CHP	33pF	50V
C32	UB013100	C. CE. M. CHP	1000pF	50V
C33	UB013100	C. CE. M. CHP	1000pF	50V
C34	UB013100	C. CE. M. CHP	1000pF	50V
C35	UB044100	C. CE. M. CHP	0.01uF	50V
C36	VJ900500	C. CE. M. CHP	27pF	50V
C37	VJ900500	C. CE. M. CHP	27pF	50V
C38	UB044100	C. CE. M. CHP	0.01uF	50V
C39	VR169200	C. MYLAR. ML	ECQ-VIH474JL3	
C40	UB051330	C. CE. M. CHP	33pF	50V
C41	UB245100	C. CE. M. CHP	0.1uF	25V

*New Parts

Schm Ref.	PART NO.	Description		
C42	UB245100	C. CE. M. CHP	0.1uF	25V
C43	UB245100	C. CE. M. CHP	0.1uF	25V
C44	UB245100	C. CE. M. CHP	0.1uF	25V
C45	UB245100	C. CE. M. CHP	0.1uF	25V
C46	VR169200	C. MYLAR. ML	ECQ-VIH474JL3	
C47	UB245100	C. CE. M. CHP	0.1uF	25V
C48	UB245100	C. CE. M. CHP	0.1uF	25V
C49	UB245100	C. CE. M. CHP	0.1uF	25V
C50	UB051330	C. CE. M. CHP	33pF	50V
C51	UB245100	C. CE. M. CHP	0.1uF	25V
C52	UB013100	C. CE. M. CHP	1000pF	50V
C53	UB245100	C. CE. M. CHP	0.1uF	25V
C54	Vi841800	C. EL	100uF	10V
C55	UA653470	C. MYLAR	4700pF	50V
C56	UB245100	C. CE. M. CHP	0.1uF	25V
C57	UB245100	C. CE. M. CHP	0.1uF	25V
C58	UB245100	C. CE. M. CHP	0.1uF	25V
C59	UB245100	C. CE. M. CHP	0.1uF	25V
C60	UB245100	C. CE. M. CHP	0.1uF	25V
C61	Vi841800	C. EL	100uF	10V
C62	Vi841800	C. EL	100uF	10V
C63	UB245100	C. CE. M. CHP	0.1uF	25V
C64	UB245100	C. CE. M. CHP	0.1uF	25V
C65	Vi841800	C. EL	100uF	10V
C66	VJ900900	C. CE. M. CHP	39pF	50V
C67	VJ900700	C. CE. M. CHP	33pF	50V
C68	Vi841800	C. EL	100uF	10V
C69	UB245100	C. CE. M. CHP	0.1uF	25V
C70	UB245100	C. CE. M. CHP	0.1uF	25V
C71	UN837470	C. EL	47uF	16V
C72	Vi841800	C. EL	100uF	10V
C73	UB245100	C. CE. M. CHP	0.1uF	25V
C74	VJ900100	C. CE. M. CHP	18pF	50V
* C75	VJ898700	C. CE. M. CHP	2pF	50V
C76	UB245100	C. CE. M. CHP	0.1uF	25V
C77	UB245100	C. CE. M. CHP	0.1uF	25V
C78	VF760000	C. EL	100uF	10V
C79	UB245100	C. CE. M. CHP	0.1uF	25V
C80	VF760000	C. EL	100uF	10V
C81	Vi841800	C. EL	100uF	10V
C82	UB044100	C. CE. M. CHP	0.01uF	50V
C83	UB044100	C. CE. M. CHP	0.01uF	50V
C84	UB245100	C. CE. M. CHP	0.1uF	25V
C85	Vi841800	C. EL	100uF	10V
C86	UB245100	C. CE. M. CHP	0.1uF	25V
C87	UB245100	C. CE. M. CHP	0.1uF	25V
C88	Vi845900	C. EL	10uF	63V
C89	Vi845900	C. EL	10uF	63V
C90	Vi845900	C. EL	10uF	63V
C91	Vi845900	C. EL	10uF	63V
C92	Vi845900	C. EL	10uF	63V
C93	Vi845900	C. EL	10uF	63V
C94	Vi845900	C. EL	10uF	63V

*New Parts

P.C.B. DSP

Schm Ref.	PART NO.	Description		
C95	UB245220	C. CE. M. CHP	0.22uF	25V
C96	UB245220	C. CE. M. CHP	0.22uF	25V
C97	Vi845900	C. EL	10uF	63V
C98	UB245220	C. CE. M. CHP	0.22uF	25V
C99	UB245220	C. CE. M. CHP	0.22uF	25V
C100	Vi845900	C. EL	10uF	63V
C101	Vi845900	C. EL	10uF	63V
C102	UB245100	C. CE. M. CHP	0.1uF	25V
C103	UB245100	C. CE. M. CHP	0.1uF	25V
C104	UB245100	C. CE. M. CHP	0.1uF	25V
C105	UB245100	C. CE. M. CHP	0.1uF	25V
C106	UB245100	C. CE. M. CHP	0.1uF	25V
C107	UB245100	C. CE. M. CHP	0.1uF	25V
C108	UB245100	C. CE. M. CHP	0.1uF	25V
C109	UB245100	C. CE. M. CHP	0.1uF	25V
C110	UB245100	C. CE. M. CHP	0.1uF	25V
C111	UA653220	C. MYLAR	2200pF	50V
C112	UB245100	C. CE. M. CHP	0.1uF	25V
C113	UA653220	C. MYLAR	2200pF	50V
C114	Vi845600	C. EL	47uF	50V
C115	Vi845600	C. EL	47uF	50V
C116	Vi841800	C. EL	100uF	10V
C117	UB245100	C. CE. M. CHP	0.1uF	25V
C118	UB245100	C. CE. M. CHP	0.1uF	25V
C119	UB245100	C. CE. M. CHP	0.1uF	25V
C120	Vi845600	C. EL	47uF	50V
C121	Vi845600	C. EL	47uF	50V
C122	Vi845600	C. EL	47uF	50V
C123	Vi845600	C. EL	47uF	50V
C124	Vi841800	C. EL	100uF	10V
C125	UB245100	C. CE. M. CHP	0.1uF	25V
C126	UB245100	C. CE. M. CHP	0.1uF	25V
C127	UB245100	C. CE. M. CHP	0.1uF	25V
C128	Vi845600	C. EL	47uF	50V
C129	Vi845600	C. EL	47uF	50V
C130	Vi845600	C. EL	47uF	50V
C131	Vi845600	C. EL	47uF	50V
C132	Vi841800	C. EL	100uF	10V
C133	UB245100	C. CE. M. CHP	0.1uF	25V
C134	UB245100	C. CE. M. CHP	0.1uF	25V
C135	UB245100	C. CE. M. CHP	0.1uF	25V
C136	Vi845600	C. EL	47uF	50V
C137	Vi845600	C. EL	47uF	50V
C138	Vi845600	C. EL	47uF	50V
C139	Vi845600	C. EL	47uF	50V
C140	Vi841800	C. EL	100uF	10V
C141	UB245100	C. CE. M. CHP	0.1uF	25V
C142	UB245100	C. CE. M. CHP	0.1uF	25V
C143	UB245100	C. CE. M. CHP	0.1uF	25V
C144	Vi845600	C. EL	47uF	50V
C145	Vi845600	C. EL	47uF	50V
C146	Vi845900	C. EL	10uF	63V
C147	UA652150	C. MYLAR	150pF	50V

* New Parts

Schm Ref.	PART NO.	Description		
C148	UA652150	C. MYLAR	150pF	50V
C149	Vi845900	C. EL	10uF	63V
C150	Vi845900	C. EL	10uF	63V
C151	UA652150	C. MYLAR	150pF	50V
C152	UA652150	C. MYLAR	150pF	50V
C153	Vi845900	C. EL	10uF	63V
C154	UA653120	C. MYLAR	1200pF	50V
C155	UA652270	C. MYLAR	270pF	50V
C156	UA652270	C. MYLAR	270pF	50V
C157	UA652270	C. MYLAR	270pF	50V
C158	UA653120	C. MYLAR	1200pF	50V
C159	UA652270	C. MYLAR	270pF	50V
C160	UA652680	C. MYLAR	680pF	50V
C161	UA652220	C. MYLAR	220pF	50V
C162	UA652220	C. MYLAR	220pF	50V
C163	UA652270	C. MYLAR	270pF	50V
C164	UA653120	C. MYLAR	1200pF	50V
C165	UA652270	C. MYLAR	270pF	50V
C166	UA652680	C. MYLAR	680pF	50V
C167	UA652220	C. MYLAR	220pF	50V
C168	UA652220	C. MYLAR	220pF	50V
C169	UA652220	C. MYLAR	220pF	50V
C170	UA652680	C. MYLAR	680pF	50V
C171	UA652220	C. MYLAR	220pF	50V
C172	UA652680	C. MYLAR	680pF	50V
C173	UA652220	C. MYLAR	220pF	50V
C174	UA652220	C. MYLAR	220pF	50V
C175	UA652220	C. MYLAR	220pF	50V
C176	UA652680	C. MYLAR	680pF	50V
C177	UA652220	C. MYLAR	220pF	50V
C178	UB245100	C. CE. M. CHP	0.1uF	25V
C179	UB245100	C. CE. M. CHP	0.1uF	25V
C180	Vi841300	C. EL	470uF	6.3V
C181	Vi845600	C. EL	47uF	50V
C182	Vi845600	C. EL	47uF	50V
C183	Vi846000	C. EL	22uF	63V
C184	Vi845900	C. EL	10uF	63V
C185	Vi845900	C. EL	10uF	63V
C186	Vi846000	C. EL	22uF	63V
C187	Vi846000	C. EL	22uF	63V
C188	Vi845900	C. EL	10uF	63V
C189	Vi845900	C. EL	10uF	63V
C190	Vi846000	C. EL	22uF	63V
C191	Vi846000	C. EL	22uF	63V
C192	Vi845900	C. EL	10uF	63V
C193	Vi845900	C. EL	10uF	63V
C194	Vi846000	C. EL	22uF	63V
C195	Vi846000	C. EL	22uF	63V
C196	Vi845900	C. EL	10uF	63V
C197	Vi845900	C. EL	10uF	63V
C198	Vi846000	C. EL	22uF	63V
C199	UB245100	C. CE. M. CHP	0.1uF	25V
C200	UB245100	C. CE. M. CHP	0.1uF	25V

* New Parts

P.C.B. DSP

Schm Ref.	PART NO.	Description
C201	UB245100	C. CE. M. CHP 0. 1uF 25V
C202	Vi845600	C. EL 47uF 50V
C203	Vi845600	C. EL 47uF 50V
C204	Vi845600	C. EL 47uF 50V
C205	Vi845600	C. EL 47uF 50V
C206	Vi845600	C. EL 47uF 50V
C207	Vi845600	C. EL 47uF 50V
C208	Vi845600	C. EL 47uF 50V
C209	Vi845600	C. EL 47uF 50V
C210	UB245100	C. CE. M. CHP 0. 1uF 25V
C211	UB245100	C. CE. M. CHP 0. 1uF 25V
C212	UB051470	C. CE. M. CHP 47pF 50V
C213	UB051470	C. CE. M. CHP 47pF 50V
C214	UB051470	C. CE. M. CHP 47pF 50V
C215	UB051470	C. CE. M. CHP 47pF 50V
C216	UB051470	C. CE. M. CHP 47pF 50V
C217	UB051470	C. CE. M. CHP 47pF 50V
C218	UB245100	C. CE. M. CHP 0. 1uF 25V
C219	UB245100	C. CE. M. CHP 0. 1uF 25V
C220	UB245100	C. CE. M. CHP 0. 1uF 25V
C221	UB245100	C. CE. M. CHP 0. 1uF 25V
C222	UB245100	C. CE. M. CHP 0. 1uF 25V
C223	UB245100	C. CE. M. CHP 0. 1uF 25V
C224	UB245100	C. CE. M. CHP 0. 1uF 25V
C225	UB052100	C. CE. M. CHP 100pF 50V
C226	UB052100	C. CE. M. CHP 100pF 50V
C227	UB052100	C. CE. M. CHP 100pF 50V
C228	UB052100	C. CE. M. CHP 100pF 50V
C229	UB052100	C. CE. M. CHP 100pF 50V
C230	UB052100	C. CE. M. CHP 100pF 50V
C231	UB052100	C. CE. M. CHP 100pF 50V
C232	UB052100	C. CE. M. CHP 100pF 50V
C233	UB052100	C. CE. M. CHP 100pF 50V
C234	UB052100	C. CE. M. CHP 100pF 50V
C235	UB245100	C. CE. M. CHP 0. 1uF 25V
C236	Vi841300	C. EL 470uF 6. 3V
C237	FU451330	C. MICA 33pF 500V
C238	FU451330	C. MICA 33pF 500V
C239	UB245100	C. CE. M. CHP 0. 1uF 25V
C240	Vi845900	C. EL 10uF 63V
C241	UB044100	C. CE. M. CHP 0. 01uF 50V
C261	UB245100	C. CE. M. CHP 0. 1uF 25V (URTC)
C262	UB245100	C. CE. M. CHP 0. 1uF 25V (URTC)
C263	UB245100	C. CE. M. CHP 0. 1uF 25V (URTC)
C301	UB245100	C. CE. M. CHP 0. 1uF 25V
C302	UB245100	C. CE. M. CHP 0. 1uF 25V
C303	UB245100	C. CE. M. CHP 0. 1uF 25V
C304	UB245100	C. CE. M. CHP 0. 1uF 25V
C305	UB245100	C. CE. M. CHP 0. 1uF 25V
C306	UB245100	C. CE. M. CHP 0. 1uF 25V
C307	UB245100	C. CE. M. CHP 0. 1uF 25V
C308	UB245100	C. CE. M. CHP 0. 1uF 25V
C309	VJ839000	C. EL 0. 47uF 50V

* New Parts

Schm Ref.	PART NO.	Description
C310	UB245100	C. CE. M. CHP 0. 1uF 25V
C311	UB245100	C. CE. M. CHP 0. 1uF 25V
C312	UB012470	C. CE. M. CHP 470pF 50V
C313	UB245100	C. CE. M. CHP 0. 1uF 25V
C315	UB245100	C. CE. M. CHP 0. 1uF 25V
C316	UB245100	C. CE. M. CHP 0. 1uF 25V
C317	VF760000	C. EL 100uF 10V
C318	UB245100	C. CE. M. CHP 0. 1uF 25V
C330	UB051470	C. CE. M. CHP 47pF 50V
C331	UB051470	C. CE. M. CHP 47pF 50V
C332	UB051470	C. CE. M. CHP 47pF 50V
C401	VD930900	C. CE. SMI 0. 1uF 25V
C402	VH053100	C. CE. TUBLR 0. 1uF 50V
C403	VH053100	C. CE. TUBLR 0. 1uF 50V
C404	Vi844900	C. EL 1uF 50V
* C405	UP652100	C. POL 100pF 100V (URTC)
* C406	UP652220	C. POL 220pF 100V (URTC)
* C406	UP652390	C. POL 390pF 100V (ABG)
* C407	UP652100	C. POL 100pF 100V (URTC)
* C408	UP652220	C. POL 220pF 100V (URTC)
* C408	UP652390	C. POL 390pF 100V (ABG)
C409	Vi844900	C. EL 1uF 50V
* C410	UP652470	C. POL 470pF 100V
* C411	UP652470	C. POL 470pF 100V
* C412	UP652470	C. POL 470pF 100V
* C413	UP652470	C. POL 470pF 100V
* C414	UP652470	C. POL 470pF 100V
* C415	UP652470	C. POL 470pF 100V
* C416	UP652470	C. POL 470pF 100V
* C417	UP652470	C. POL 470pF 100V
* C418	UP652470	C. POL 470pF 100V
* C419	UP652470	C. POL 470pF 100V
* C420	UP652470	C. POL 470pF 100V
* C421	UP652470	C. POL 470pF 100V
C422	Vi845200	C. EL 4. 7uF 50V
* C423	UP652220	C. POL 220pF 100V
C424	Vi845900	C. EL 10uF 63V
C425	UA654390	C. MYLAR 0. 039uF 50V
C426	UA654110	C. MYLAR 0. 011uF 50V
C427	Vi841100	C. EL 220uF 6. 3V
C428	Vi841100	C. EL 220uF 6. 3V
C429	UA654390	C. MYLAR 0. 039uF 50V
C430	UA654110	C. MYLAR 0. 011uF 50V
C431	Vi845900	C. EL 10uF 63V
C432	Vi842600	C. EL 100uF 16V
C433	UA653100	C. MYLAR 1000pF 50V
C434	UA653100	C. MYLAR 1000pF 50V
C435	Vi842600	C. EL 100uF 16V
C436	Vi845900	C. EL 10uF 63V
C437	Vi845900	C. EL 10uF 63V
C438	Vi845900	C. EL 10uF 63V
C439	Vi845200	C. EL 4. 7uF 50V
* C440	UP652100	C. POL 100pF 100V (URTC)

* New Parts

P.C.B. DSP

Schm Ref.	PART NO.	Description
* C440	UP652220	C. POL 220pF 100V (ABG)
C441	Vi845200	C. EL 4.7uF 50V
C442	Vi845200	C. EL 4.7uF 50V
* C443	UP652100	C. POL 100pF 100V (URTC)
* C443	UP652220	C. POL 220pF 100V (ABG)
C444	Vi845200	C. EL 4.7uF 50V
C445	Vi845900	C. EL 10uF 63V
C446	UB245220	C. CE. M. CHP 0.22uF 25V
C447	UB245220	C. CE. M. CHP 0.22uF 25V
* C448	UP652220	C. POL 220pF 100V
C449	Vi845200	C. EL 4.7uF 50V
C450	Vi845200	C. EL 4.7uF 50V
* C451	UP652220	C. POL 220pF 100V
* C452	UP652220	C. POL 220pF 100V
C453	Vi845200	C. EL 4.7uF 50V
C454	Vi845200	C. EL 4.7uF 50V
* C455	UP652220	C. POL 220pF 100V
* C456	UP652220	C. POL 220pF 100V
C457	Vi845200	C. EL 4.7uF 50V
C458	Vi845900	C. EL 10uF 63V
C459	Vi845900	C. EL 10uF 63V
C460	UB245100	C. CE. M. CHP 0.1uF 25V (ABG)
C901	VR168300	C. MYLAR. ML ECQ-V1H104JL3
C902	UB245100	C. CE. M. CHP 0.1uF 25V
C903	VH053100	C. CE. TUBLR 0.1uF 50V
C904	UB245100	C. CE. M. CHP 0.1uF 25V
C905	VJ900700	C. CE. M. CHP 33pF 50V
C906	UB245100	C. CE. M. CHP 0.1uF 25V
C907	UB245100	C. CE. M. CHP 0.1uF 25V
C909	VJ836300	C. EL 330uF 6.3V
C910	VJ836900	C. EL 10uF 16V
C911	VH053100	C. CE. TUBLR 0.1uF 50V
C912	VH053100	C. CE. TUBLR 0.1uF 50V
C913	UB245100	C. CE. M. CHP 0.1uF 25V
C914	VH053100	C. CE. TUBLR 0.1uF 50V
C915	VH053100	C. CE. TUBLR 0.1uF 50V
D1	VT332900	DIODE 1SS355
D2	VT332900	DIODE 1SS355
D3	VT332900	DIODE 1SS355
D4	VT332900	DIODE 1SS355
D5	VT332900	DIODE 1SS355
D6	VT332900	DIODE 1SS355
D7	VT332900	DIODE 1SS355
D8	VT332900	DIODE 1SS355
D9	VT332900	DIODE 1SS355
D10	VT332900	DIODE 1SS355
D11	VT332900	DIODE 1SS355
D12	VI707700	C. TRIM KV1851-TL
D13	VT332900	DIODE 1SS355
D14	VT332900	DIODE 1SS355
D15	VT332900	DIODE 1SS355
D16	VT332900	DIODE 1SS355
D17	VT332900	DIODE 1SS355

* New Parts

Schm Ref.	PART NO.	Description
D18	VT332900	DIODE 1SS355
D19	VT332900	DIODE 1SS355
D22	VT332900	DIODE 1SS355
D23	VT332900	DIODE 1SS355
D26	VT332900	DIODE 1SS355
D27	VT332900	DIODE 1SS355
D30	VT332900	DIODE 1SS355
D31	VT332900	DIODE 1SS355
D32	VT332900	DIODE 1SS355
D33	VT332900	DIODE 1SS355
D34	VT332900	DIODE 1SS355
D35	VT332900	DIODE 1SS355
D36	VT332900	DIODE 1SS355
D37	VT332900	DIODE 1SS355
D38	VT332900	DIODE 1SS355
D401	iF004600	DIODE 1SS133 (ABG)
D402	iF004600	DIODE 1SS133 (ABG)
D901	VG437400	DIODE. ZENR MTZJ5.1B 5.1V
D902	VG438300	DIODE. ZENR MTZJ6.8B 6.8V
G1	VR463400	TERM. GND D3.5 TP00385
G2	VR463400	TERM. GND D3.5 TP00385
* IC1	XU032C00	IC CPU
IC2	XM099A00	IC YSS214-F CDSP
* IC3	XT954A00	IC M5M51008BFP-55 SRA
* IC4	XT954A00	IC M5M51008BFP-55 SRA
* IC5	XT959A00	IC YSS249-F
* IC6	XT958A00	IC PM4007A
IC7	XS282A00	IC UM61256FS-15Q SRAM
IC8	XG948E00	IC YM3436DK
* IC9	XT956A00	IC AK5391-VS-E2
* IC10	XT955A00	IC AK4324-VF-E2
* IC11	XT955A00	IC AK4324-VF-E2
* IC12	XT955A00	IC AK4324-VF-E2
* IC13	XT955A00	IC AK4324-VF-E2
IC14	XG903A00	IC TC4052BF MPX
IC15	XF291A00	IC uPC4570G2
IC16	XE518A00	IC uPC4574G2
IC17	Ki110D00	IC MC14577CP
IC18	XF291A00	IC uPC4570G2
IC19	XR038A00	IC NJM2904M OP AMP
IC20	XD660A00	IC TC74HCU04AF-TP1
IC21	XD660A00	IC TC74HCU04AF-TP1
IC22	XD655A00	IC TC74HC00AF NAND
IC23	XD655A00	IC TC74HC00AF NAND
IC24	XD655A00	IC TC74HC00AF NAND
IC25	XR041A00	IC TC74HC151AF
IC26	XR042A00	IC TC74HC153AF
IC27	XR038A00	IC NJM2904M OP AMP
IC28	XD660A00	IC TC74HCU04AF-TP1
IC29	XD600A00	IC TC74HC02AF-TP1 NOR
IC30	XH603A00	IC TC74HC157AF-TP1
IC31	XD655A00	IC TC74HC00AF NAND
IC32	XF291A00	IC uPC4570G2

* New Parts

P.C.B. DSP

Schm Ref.	PART NO.	Description	
IC33	XF291A00	IC	uPC4570G2
IC34	XF291A00	IC	uPC4570G2
IC35	XF291A00	IC	uPC4570G2
IC36	XD655A00	IC	TC74HC00AF NAND
* IC37	XT954A00	IC	M5M51008BFP-55 SRA
* IC301	XT957A00	IC	DSPI56009FJ81
IC302	XU494B00	IC	EPROM CPU
IC303	XS282A00	IC	UM61256FS-15Q SRAM
IC304	XD660A00	IC	TC74HCU04AF-TP1
IC401	XM356A00	IC	NJM2068LD
IC402	XM356A00	IC	NJM2068LD
IC403	XP580A00	IC	TC9273N-004
IC404	XR027A00	IC	TC9162AN
IC405	XP580A00	IC	TC9273N-004
IC406	XF291A00	IC	uPC4570G2
IC407	XF291A00	IC	uPC4570G2
IC408	XF291A00	IC	uPC4570G2
IC901	XR188A00	IC	LC75710NE FLD
IC902	XR188A00	IC	LC75710NE FLD
J1	VL448600	JUMPER. TST	
L1	GE901970	COIL	68uH
L2	GE901970	COIL	68uH
L3	GE901970	COIL	68uH
L4	GE901970	COIL	68uH
L5	GE901970	COIL	68uH
L6	GE901970	COIL	68uH
L7	VT623200	FLTR. LC	SBP-4930
LA01	VB056900	COIL	220uH(ABG)
LA02	VB056900	COIL	220uH(ABG)
* PJ1	VZ726200	JACK. PIN	2P
PJ2	VZ537500	JACK. PIN	2P
PJ401	VK421600	JACK. PIN	4P
PJ402	VM750600	JACK. PIN	6P
PJ403	VJ696300	JACK. PIN	4P
PJ404	VV577800	JACK. PIN	6P
Q1	iC241200	TR. CHP	2SC2412K Q, R, S
Q2	iA103700	TR. CHP	2SA1037 Q, R, S
Q3	VC124000	TR. DGT	DTA144EK
Q4	VC124000	TR. DGT	DTA144EK
Q5	VC124000	TR. DGT	DTA144EK
Q6	VC124000	TR. DGT	DTA144EK
Q7	VC124000	TR. DGT	DTA144EK
Q8	VC124000	TR. DGT	DTA144EK
Q9	VC124000	TR. DGT	DTA144EK
Q10	VC124000	TR. DGT	DTA144EK
Q11	VD303700	TR	2SC3326 A, B
Q12	VD303700	TR	2SC3326 A, B
Q13	VD303700	TR	2SC3326 A, B
Q14	VD303700	TR	2SC3326 A, B
Q15	VD303700	TR	2SC3326 A, B
Q16	VD303700	TR	2SC3326 A, B
Q17	VD303700	TR	2SC3326 A, B
Q18	VD303700	TR	2SC3326 A, B

* New Parts

Schm Ref.	PART NO.	Description	
Q901	iC241200	TR. CHP	2SC2412K Q, R, S
Q908	iC241200	TR. CHP	2SC2412K Q, R, S
Q909	iC241200	TR. CHP	2SC2412K Q, R, S
Q910	iC241200	TR. CHP	2SC2412K Q, R, S
Q911	iC241200	TR. CHP	2SC2412K Q, R, S
Q912	iC241200	TR. CHP	2SC2412K Q, R, S
Q913	iC241200	TR. CHP	2SC2412K Q, R, S
Q914	iC241200	TR. CHP	2SC2412K Q, R, S
Q915	iC241200	TR. CHP	2SC2412K Q, R, S
Q916	iC241200	TR. CHP	2SC2412K Q, R, S
R69	HV453100	R. CAR. FP	1Ω 1/4W
R74	HV453100	R. CAR. FP	1Ω 1/4W
R77	HV453220	R. CAR. FP	2.2Ω 1/4W
R92	HV453220	R. CAR. FP	2.2Ω 1/4W
R93	HV453220	R. CAR. FP	2.2Ω 1/4W
R95	HV453100	R. CAR. FP	1Ω 1/4W
R98	HV453220	R. CAR. FP	2.2Ω 1/4W
R102	HV454100	R. CAR. FP	10Ω 1/4W
R103	HV454100	R. CAR. FP	10Ω 1/4W
R104	HV454100	R. CAR. FP	10Ω 1/4W
R105	HV454100	R. CAR. FP	10Ω 1/4W
R113	HV453100	R. CAR. FP	1Ω 1/4W
R116	HV453100	R. CAR. FP	1Ω 1/4W
R119	HV453100	R. CAR. FP	1Ω 1/4W
R122	HV453100	R. CAR. FP	1Ω 1/4W
R124	HV453100	R. CAR. FP	1Ω 1/4W
R131	HV453100	R. CAR. FP	1Ω 1/4W
R244	HV453100	R. CAR. FP	1Ω 1/4W
R245	HV453100	R. CAR. FP	1Ω 1/4W
R246	HV453100	R. CAR. FP	1Ω 1/4W
R247	HV453100	R. CAR. FP	1Ω 1/4W
R248	HV453100	R. CAR. FP	1Ω 1/4W
R443	HV455100	R. CAR. FP	100Ω 1/4W
R444	HV455100	R. CAR. FP	100Ω 1/4W
R457	HV455100	R. CAR. FP	100Ω 1/4W
R458	HV455100	R. CAR. FP	100Ω 1/4W
R475	HV455100	R. CAR. FP	100Ω 1/4W
R476	HV455100	R. CAR. FP	100Ω 1/4W
△ SW701	VZ075500	SW. SLIDE	SL14-22AM5F(C)
SW901	VG392900	SW. TACT	SKHVAA
SW902	VG392900	SW. TACT	SKHVAA
SW903	VG392900	SW. TACT	SKHVAA
SW904	VG392900	SW. TACT	SKHVAA
SW905	VG392900	SW. TACT	SKHVAA
SW906	VG392900	SW. TACT	SKHVAA
SW907	VG392900	SW. TACT	SKHVAA
SW908	VG392900	SW. TACT	SKHVAA
SW909	VG392900	SW. TACT	SKHVAA
U901	VR023400	L. DTCT	SPS-424-1
* V901	VZ524400	FL. DSPLY	32-BT-04G
XL2	VM651900	RSNR. CRY5	10.0MHz
XL3	Vi552000	RSNR. CRY5	12.288MHz
XL4	VT928600	RSNR. CRY5	18.432MHz

* New Parts

P.C.B. DSP & VIDEO

Schm Ref.	PART NO.	Description		
XL5	Vi951800	RSNR. CE	20MHz	
* XL301	VZ820400	RESONATOR	1MHz DOC-49S1	
	VJ828000	PIN	IMSA-6024-03E	
	VP750600	SCR. TERM	MEP1700	
	VZ628400	SUPRT		
	VZ628500	SHEET		
	VZ802000	P. C. B.	VIDEO (UC)	
	VZ802200	P. C. B.	VIDEO (RT)	
	VZ802300	P. C. B.	VIDEO (A)	
	VZ802400	P. C. B.	VIDEO (B)	
	VZ884800	P. C. B.	VIDEO (G)	
CB1	VB858200	CN. BS. PIN	3P	
CB2	VF982200	CN. BS. PIN	14P	
CB3	VB858100	CN. BS. PIN	2P	
CB101	VG879900	CN. BS. PIN	2P	
CB103	LA002140	TERM. WRAP	2P	
CB104	VS996100	CLIP. FUSE	EYF64BC (UCRT)	
CB105	VP206500	HOLDER. FUS	EYF-52BC (ABG)	
CB106	VP206500	HOLDER. FUS	EYF-52BC (ABG)	
CB106	VS996100	CLIP. FUSE	EYF64BC (UCRT)	
CB107	VP206500	HOLDER. FUS	EYF-52BC (RTG)	
CB108	VP206500	HOLDER. FUS	EYF-52BC (RTG)	
CB109	LA002140	TERM. WRAP	2P (RTABG)	
CB201	LA002390	TERM. WRAP	2P	
CB202	LA002400	TERM. WRAP	3P L-753B	
CB203	VB858400	CN. BS. PIN	5P	
CB301	VL845300	CN. BS. PIN	9P	
CB401	VB858100	CN. BS. PIN	2P	
CB402	VF982200	CN. BS. PIN	14P	
CB503	VQ963100	CN. BS. PIN	10P	
CB506	VQ963100	CN. BS. PIN	10P	
CB507	LB919030	CN. BS. PIN	3P	
C1	Vi845900	C. EL	10uF	63V
C2	Vi841400	C. EL	1000uF	6.3V
C3	UB052100	C. CE. M. CHP	100pF	50V
C4	UB052100	C. CE. M. CHP	100pF	50V
C5	Vi845900	C. EL	10uF	63V
C6	Vi841400	C. EL	1000uF	6.3V
C7	UB052100	C. CE. M. CHP	100pF	50V
C8	UB052100	C. CE. M. CHP	100pF	50V
C9	UB052100	C. CE. M. CHP	100pF	50V
C10	UB052100	C. CE. M. CHP	100pF	50V
C11	VF466900	C. CE. TUBLR	470pF	50V
C12	UB052100	C. CE. M. CHP	100pF	50V
C13	UB052100	C. CE. M. CHP	100pF	50V
C14	VG279600	C. CE. TUBLR	3300pF	16V
C15	Vi845900	C. EL	10uF	63V
C16	Vi841400	C. EL	1000uF	6.3V
C17	Vi845900	C. EL	10uF	63V
C18	Vi841400	C. EL	1000uF	6.3V

* New Parts

Schm Ref.	PART NO.	Description		
C19	Vi845900	C. EL	10uF	63V
C20	Vi845900	C. EL	10uF	63V
C21	Vi845900	C. EL	10uF	63V
C22	Vi845900	C. EL	10uF	63V
C23	Vi845900	C. EL	10uF	63V
C24	Vi845600	C. EL	47uF	50V
C25	Vi845600	C. EL	47uF	50V
C26	Vi845600	C. EL	47uF	50V
C27	Vi845600	C. EL	47uF	50V
C28	VG279000	C. CE. TUBLR	820pF	50V
C29	VH053100	C. CE. TUBLR	0.1uF	50V
C30	VH053100	C. CE. TUBLR	0.1uF	50V
C31	VG277000	C. CE. TUBLR	33pF	50V
C32	VG277000	C. CE. TUBLR	33pF	50V
C33	Vi845600	C. EL	47uF	50V
C34	Vi845600	C. EL	47uF	50V
C35	VF467300	C. CE. TUBLR	0.01uF	16V
C36	Vi845900	C. EL	10uF	63V
C37	VG272400	C. CE. TUBLR	2.2pF	50V (ABG)
* C37	VG273900	C. CE. TUBLR	20pF	50V (UCRT)
C38	VG272600	C. CE. TUBLR	3.3pF	50V (ABG)
C38	VG273600	C. CE. TUBLR	15pF	50V (UCRT)
C38	VG273600	C. CE. TUBLR	15pF	50V
C39	Vi845200	C. EL	4.7uF	50V
C40	VG278400	C. CE. TUBLR	220pF	50V
C41	VG278100	C. CE. TUBLR	120pF	50V
C42	Vi845600	C. EL	47uF	50V
C43	VG279000	C. CE. TUBLR	820pF	50V
C44	Vi845200	C. EL	4.7uF	50V
C45	Vi845900	C. EL	10uF	63V
C46	VG277000	C. CE. TUBLR	33pF	50V
C47	VF466900	C. CE. TUBLR	470pF	50V
C101	VK181000	C. EL	1000uF	25V
* C102	UR877470	C. EL	47uF	63V (RT)
C103	VR324600	C. MYLAR	0.01uF	100V
C104	VV975400	C. CE	0.01uF	275V
C108	VJ836900	C. EL	10uF	16V (RT)
C201	VR168300	C. MYLAR. ML	ECQ-V1H104JL3	
C202	UT454270	C. PP	0.027uF	100V
C203	UT454270	C. PP	0.027uF	100V
C204	Vi862200	C. POLY	0.1uF	100V
C205	Vi862200	C. POLY	0.1uF	100V
C206	VK181300	C. EL	4700uF	25V
C207	Vi844900	C. EL	1uF	50V
C208	VK181300	C. EL	4700uF	25V
C209	Vi844900	C. EL	1uF	50V
C210	VK180800	C. EL	6800uF	16V
C211	VK180800	C. EL	6800uF	16V
C212	VK180800	C. EL	6800uF	16V
C213	VK180800	C. EL	6800uF	16V
C214	VK180800	C. EL	6800uF	16V
C215	VK180400	C. EL	1000uF	16V
C216	VK180400	C. EL	1000uF	16V

* New Parts

P.C.B. VIDEO

Schm Ref.	PART NO.	Description		
C217	Vi844900	C. EL	1uF	50V
C218	Vi845600	C. EL	47uF	50V
C219	Vi844900	C. EL	1uF	50V
C220	Vi845600	C. EL	47uF	50V
C221	Vi845600	C. EL	47uF	50V
C222	Vi845600	C. EL	47uF	50V
C224	VR168300	C. MYLAR. ML	ECQ-VIH104JL3	
C301	UA652100	C. MYLAR	100pF	50V
C302	Vi845200	C. EL	4. 7uF	50V
C303	UA652470	C. MYLAR	470pF	50V
C304	Vi845600	C. EL	47uF	50V
C305	Vi845700	C. EL	100uF	50V
C306	Vi845700	C. EL	100uF	50V
C307	UA652100	C. MYLAR	100pF	50V
C308	Vi845200	C. EL	4. 7uF	50V
C309	UA652470	C. MYLAR	470pF	50V
C310	VR325000	C. MYLAR	100pF	100V
C311	Vi845600	C. EL	47uF	50V
C312	VR516400	C. CE	15p	500V
C313	Vi845600	C. EL	47uF	50V
C314	Vi845600	C. EL	47uF	50V
C315	VR325000	C. MYLAR	100pF	100V
C316	UA653100	C. MYLAR	1000pF	50V
C317	VR325000	C. MYLAR	100pF	100V
C318	Vi845600	C. EL	47uF	50V
C319	VR516400	C. CE	15p	500V
C320	Vi845600	C. EL	47uF	50V
C321	Vi845600	C. EL	47uF	50V
C322	VR325000	C. MYLAR	100pF	100V
C323	UA653100	C. MYLAR	1000pF	50V
C324	UA654220	C. MYLAR	0. 022uF	50V
C325	Vi845600	C. EL	47uF	50V
C326	Vi845600	C. EL	47uF	50V
C327	UA654220	C. MYLAR	0. 022uF	50V
C401	UB052100	C. CE. M. CHP	100pF	50V
C402	Vi841400	C. EL	1000uF	6. 3V
C403	Vi841400	C. EL	1000uF	6. 3V
C404	UB052100	C. CE. M. CHP	100pF	50V
C405	Vi841400	C. EL	1000uF	6. 3V
C406	UB052100	C. CE. M. CHP	100pF	50V
C407	Vi841400	C. EL	1000uF	6. 3V
C408	UB052100	C. CE. M. CHP	100pF	50V
C409	Vi845900	C. EL	10uF	63V
C410	Vi845900	C. EL	10uF	63V
C411	Vi845600	C. EL	47uF	50V
C412	Vi845600	C. EL	47uF	50V
* C501	UP652470	C. POL	470pF	100V
* C502	UP652470	C. POL	470pF	100V
* C503	UP652470	C. POL	470pF	100V
* C504	UP652470	C. POL	470pF	100V
* C505	UP652470	C. POL	470pF	100V
* C506	UP652470	C. POL	470pF	100V
* C507	UP652470	C. POL	470pF	100V

* New Parts

Schm Ref.	PART NO.	Description		
* C508	UP652470	C. POL	470pF	100V
* C509	UP652470	C. POL	470pF	100V
* C510	UP652470	C. POL	470pF	100V
* C511	UP652470	C. POL	470pF	100V
* C512	UP652470	C. POL	470pF	100V
* C513	UP652470	C. POL	470pF	100V
* C514	UP652470	C. POL	470pF	100V
* C515	UP652470	C. POL	470pF	100V
* C516	UP652470	C. POL	470pF	100V
D1	iF004600	DIODE	1SS133	
D2	iF004600	DIODE	1SS133	
D3	iF004600	DIODE	1SS133	
D4	iF004600	DIODE	1SS133	
D5	iF004600	DIODE	1SS133	
D6	VG435100	DIODE. ZENR	MTZJ2. 0B	2. 0V
D7	iF004600	DIODE	1SS133	
D8	iF004600	DIODE	1SS133	
D9	iF004600	DIODE	1SS133	
D10	iF004600	DIODE	1SS133	
D11	iF004600	DIODE	1SS133	
Δ D101	VR253700	DIODE. BRG	S1NB20	1. 0A 200V
D102	iF004600	DIODE	1SS133	
D103	VG439900	DIODE. ZENR	MTZJ11B	11V(RT)
Δ D201	VR253700	DIODE. BRG	S1NB20	1. 0A 200V
Δ D202	VM705800	DIODE. BRG	RBA-406B	4. 0A 60V
D204	VU391800	DIODE. SHOT	AK04 WK	
D205	VU391800	DIODE. SHOT	AK04 WK	
D206	iF004600	DIODE	1SS133	
* D208	VU647200	DIODE. SHOT	RB441Q-40	T-77
* D209	VU647200	DIODE. SHOT	RB441Q-40	T-77
D301	VG440300	DIODE. ZENR	MTZJ12C	12V
D302	VN008700	DIODE	1SS270A	
D303	VN008700	DIODE	1SS270A	
D304	VN008700	DIODE	1SS270A	
D305	VN008700	DIODE	1SS270A	
Δ F101	KB000780	FUSE	T5. 0A	250V(RT)
Δ F101	VT942900	FUSE	TH2. 5A	250V(G)
Δ F102	KB000780	FUSE	T5. 0A	250V(ABG)
Δ F102	VU238300	FUSE	12A	250V(UCRT)
G101	VR463400	TERM. GND	D3. 5	TP00385
G201	VR463400	TERM. GND	D3. 5	TP00385
G202	VR463400	TERM. GND	D3. 5	TP00385
IC1	Xi109D00	IC	MC14576CP	
IC2	Xi109D00	IC	MC14576CP	
IC3	Xi109D00	IC	MC14576CP	
IC4	iG105800	IC	uPD4051BC	
IC5	iG105800	IC	uPD4051BC	
IC6	iG105800	IC	uPD4051BC	
IC7	iG105800	IC	uPD4051BC	
IC8	XK313A00	IC	LC7824	
IC9	iG105900	IC	uPD4053BC	
IC10	iG105900	IC	uPD4053BC	
IC11	iG105900	IC	uPD4053BC	

* New Parts

P.C.B. VIDEO

Schm Ref.	PART NO.	Description
* IC12	XU035A00	IC M35013-076SP
IC13	iG142200	IC TC74HCU04AP
IC14	iG142200	IC TC74HCU04AP
△ IC201	XJ603A00	IC NJM78M15FA
△ IC202	XG505A00	IC NJM79M15FA
△ IC203	Xi124A00	IC PQ05RF1 5V1A
△ IC204	XE436A00	IC NJM79M05FA
△ IC205	Xi124A00	IC PQ05RF1 5V1A
△ IC206	Xi124A00	IC PQ05RF1 5V1A
IC401	Xi109D00	IC MC14576CP
IC402	iG105800	IC uPD4051BC
IC403	iG105800	IC uPD4051BC
IC404	iG105900	IC uPD4053BC
JK1	VU245200	CN. DIN 1P
JK2	VP113600	CN. DIN 2P
JK3	VP113600	CN. DIN 2P
JK4	VP113600	CN. DIN 2P
JK5	VT973000	CN. DIN 2P
L1	VM703900	COIL 15uH
PJ401	VR110100	JACK. PIN 2P
PJ402	VR110100	JACK. PIN 2P
PJ403	VR110100	JACK. PIN 2P
PJ404	VR110100	JACK. PIN 2P
PJ405	VN134600	JACK. PIN 1P
PJ501	VM725900	JACK. PIN 4P
PJ502	VM726000	JACK. PIN 6P
PJ503	VM726000	JACK. PIN 6P
Q1	iC260320	TR 2SC2603 E, F
Q2	iC287820	TR 2SC2878 A, B
Q3	iC260320	TR 2SC2603 E, F
Q4	VH964100	TR. DGT DTA143ES
Q5	iC260320	TR 2SC2603 E, F
Q6	iC260320	TR 2SC2603 E, F
Q7	iC260320	TR 2SC2603 E, F
Q8	iC260320	TR 2SC2603 E, F
Q9	iC260320	TR 2SC2603 E, F
Q10	iC260320	TR 2SC2603 E, F
Q11	VD678700	TR. DGT DTC114ES
Q12	iA101521	TR 2SA1015 Y
Q13	iC224030	TR 2SC2240 GR, BL
Q14	iC224030	TR 2SC2240 GR, BL
Q15	iC053540	TR 2SC535 A, B, C
Q101	VD488500	TR. DGT DTC143XS
Q102	iC174020	TR 2SC1740S R, S
Q103	iE102620	FET 2SK246 Y(RT)
△ Q104	VR510800	TR 2SD2396 J, K(RT)
△ Q301	iA097000	TR 2SA970 GR, BL
△ Q302	iA097000	TR 2SA970 GR, BL
△ Q303	iA097000	TR 2SA970 GR, BL
△ Q304	iA097000	TR 2SA970 GR, BL
△ Q305	iC224000	TR 2SC2240 GR, BL
△ Q306	VE198800	TR 2SC2705 O, Y
△ Q307	iC224000	TR 2SC2240 GR, BL

* New Parts

Schm Ref.	PART NO.	Description
△ Q308	VE198800	TR 2SC2705 O, Y
△ Q309	VP872700	TR 2SC4488 S, T
△ Q310A	iX615750	TR 2SA1694 O, P, Y
△ Q310C	iX615760	TR 2SC4467 O, P, Y
△ Q312	VP872600	TR 2SA1708 S, T
△ Q313	VP872700	TR 2SC4488 S, T
△ Q314A	iX615750	TR 2SA1694 O, P, Y
△ Q314C	iX615760	TR 2SC4467 O, P, Y
△ Q316	VP872600	TR 2SA1708 S, T
Q317	iC224030	TR 2SC2240 GR, BL
Q318	iC224030	TR 2SC2240 GR, BL
Q401	iC260320	TR 2SC2603 E, F
Q402	iC260320	TR 2SC2603 E, F
△ R103	VK187800	R. FUS 100Ω 1/4W(RT)
△ R206	VP939700	R. MIL. FLM 4.7Ω 1W
△ R207	VP939700	R. MIL. FLM 4.7Ω 1W
△ R208	VP939500	R. MIL. FLM 1Ω 1W
△ R209	VP939500	R. MIL. FLM 1Ω 1W
△ R223	HL314560	R. MIL. OXD 56Ω 1W
△ R224	HL324270	R. MIL. OXD 27Ω 2W
R316	HV456270	R. CAR. FP 2.7KΩ 1/4W
* R319	VK188800	R. FUS 680Ω 1/4W
△ R322	HV454470	R. CAR. FP 47Ω 1/4W
△ R324	HV454470	R. CAR. FP 47Ω 1/4W
R327	HV456270	R. CAR. FP 2.7KΩ 1/4W
* R330	VK188800	R. FUS 680Ω 1/4W
△ R333	HV454470	R. CAR. FP 47Ω 1/4W
△ R335	HV453470	R. CAR. FP 4.7Ω 1/4W
△ R338	VK188400	R. FUS 330Ω 1/4W
△ R339	VJ787600	R. MIL. PLAT 0.22Ω+0.22 5W
△ R341	HV453470	R. CAR. FP 4.7Ω 1/4W
△ R346	HV453470	R. CAR. FP 4.7Ω 1/4W
△ R349	VK188400	R. FUS 330Ω 1/4W
△ R350	VJ787600	R. MIL. PLAT 0.22Ω+0.22 5W
△ R352	HV453470	R. CAR. FP 4.7Ω 1/4W
△ R354	HL314100	R. MIL. OXD 10Ω 1W
△ R355	HL314100	R. MIL. OXD 10Ω 1W
△ RY101	VK539200	RELAY DC DH12D1-0/M(RT)
△ RY101	VV950000	RELAY VS-12MB-NR(UCABG)
△* T101	XC115B00	TRANS. PWR (RT)
△* T101	XC116B00	TRANS. PWR (UC)
△* T101	XC117B00	TRANS. PWR (A)
△ T101	XK354A00	TRANS (BG)
△* TE101	VU107000	CN. OUTLET 3P(UCRT)
TH601	VM842400	POSITOR PTH9M04 BE (90°C)
VR301	VJ692800	VR. TRIM B470Ω
VR302	VJ692800	VR. TRIM B470Ω
XL1	VD980900	RSNR. CRY 14.3181MHz(UCRT)
XL1	VV949900	RSNR. CRY 17.734475MHz(ABG)
	VJ828000	PIN IMSA-6024-03E
	BB071360	SCR. TERM 8.3x13

* New Parts

P.C.B. TONE CONTROL

Schm Ref.	PART NO.	Description	
*	VZ802500	P. C. B.	TONE CONTROL
CB301	VP113500	CN. BS. PIN	10P
CB302	VB858300	CN. BS. PIN	4P
CB501	VQ961300	CN. BS. PIN	10P
CB502	VQ961300	CN. BS. PIN	10P
CB504	VQ961300	CN. BS. PIN	10P
CB505	VQ961300	CN. BS. PIN	10P
CB801	VQ044900	CN. BS. PIN	19P
CB802	VQ963900	CN. BS. PIN	18P
CB803	VQ962100	CN. BS. PIN	18P
CB805	VD004700	CN. BS. PIN	4P
C302	VD930900	C. CE. SMI	0. 1uF 25V
C303	VD930900	C. CE. SMI	0. 1uF 25V
C305	VD930900	C. CE. SMI	0. 1uF 25V
C801	UA654470	C. MYLAR	0. 047uF 50V
C802	UA654470	C. MYLAR	0. 047uF 50V
C803	Vi844900	C. EL	1uF 50V
C804	UA654470	C. MYLAR	0. 047uF 50V
C805	UA654470	C. MYLAR	0. 047uF 50V
C806	Vi844900	C. EL	1uF 50V
C807	Vi845100	C. EL	3. 3uF 50V
C808	Vi845600	C. EL	47uF 50V
C809	FU351220	C. MICA	22pF 500V
C810	Vi844900	C. EL	1uF 50V
C811	FU351220	C. MICA	22pF 500V
C812	Vi844900	C. EL	1uF 50V
C813	Vi845600	C. EL	47uF 50V
C814	Vi845600	C. EL	47uF 50V
C815	FU351220	C. MICA	22pF 500V
C816	Vi844900	C. EL	1uF 50V
C817	VR168300	C. MYLAR. ML	ECQ-V1H104JL3
C818	UA654220	C. MYLAR	0. 022uF 50V
C819	UA654220	C. MYLAR	0. 022uF 50V
C820	VR168300	C. MYLAR. ML	ECQ-V1H104JL3
C821	Vi845900	C. EL	10uF 63V
C822	VR168300	C. MYLAR. ML	ECQ-V1H104JL3
C823	UA654220	C. MYLAR	0. 022uF 50V
C824	Vi845900	C. EL	10uF 63V
C825	UA652100	C. MYLAR	100pF 50V
C826	UA652100	C. MYLAR	100pF 50V
C827	Vi845900	C. EL	10uF 63V
C829	Vi845100	C. EL	3. 3uF 50V
C830	UA652100	C. MYLAR	100pF 50V
C831	Vi845900	C. EL	10uF 63V
C832	Vi846000	C. EL	22uF 63V
C833	Vi846000	C. EL	22uF 63V
C834	Vi845900	C. EL	10uF 63V
C835	Vi842400	C. EL	33uF 16V
C836	Vi842400	C. EL	33uF 16V
C837	FG251220	C. CE	22pF 50V
C838	FG212100	C. CE	100pF 50V
C839	Vi841800	C. EL	100uF 10V
C840	Vi841800	C. EL	100uF 10V

* New Parts

Schm Ref.	PART NO.	Description	
C841	FG212100	C. CE	100pF 50V
C842	FG251220	C. CE	22pF 50V
C843	Vi842900	C. EL	470uF 16V
C844	Vi842900	C. EL	470uF 16V
C845	VF466900	C. CE. TUBLR	470pF 50V
C846	VF466900	C. CE. TUBLR	470pF 50V
C847	VF467000	C. CE. TUBLR	1000pF 50V
C848	VF467300	C. CE. TUBLR	0. 01uF 16V
C849	VF467300	C. CE. TUBLR	0. 01uF 16V
C850	VF467000	C. CE. TUBLR	1000pF 50V
C851	VF467000	C. CE. TUBLR	1000pF 50V
C852	VF467300	C. CE. TUBLR	0. 01uF 16V
C853	Vi845600	C. EL	47uF 50V
C854	FU351220	C. MICA	22pF 500V
C855	FG212100	C. CE	100pF 50V
C856	FG212100	C. CE	100pF 50V
C857	Vi842900	C. EL	470uF 16V
C858	Vi842900	C. EL	470uF 16V
D302	VG437400	DIODE. ZENR	MTZJ5. 1B 5. 1V
D801	VU264100	DIODE	1SR139-400
D802	VU264100	DIODE	1SR139-400
IC302	XF494A00	IC	LB1641
IC801	XM356A00	IC	NJM2068LD
IC802	XB247301	IC	uPC4570HA
IC803	XM356A00	IC	NJM2068LD
IC804	XP844A00	IC	NJM4556AL
JK801	VT034300	CN. DIN	1P
JK802	VT749200	JACK. PHONE	HLJ5307
PJ801	VU459400	JACK. PIN	3P
Q801	VK432900	TR	2SD1915F S, T
Q802	VK432900	TR	2SD1915F S, T
Q803	VK432900	TR	2SD1915F S, T
Q804	VK432900	TR	2SD1915F S, T
R838	HV453330	R. CAR. FP	3. 3Ω 1/4W
R839	HV453330	R. CAR. FP	3. 3Ω 1/4W
R852	HV455220	R. CAR. FP	220Ω 1/4W
R859	HV455220	R. CAR. FP	220Ω 1/4W
R860	HV455100	R. CAR. FP	100Ω 1/4W
R861	HV455100	R. CAR. FP	100Ω 1/4W
* SW301	VZ630900	SW. RT. ENC	EC16B12202
SW801	VD357300	SW. PUSH	SPUN12
SW803	VT904100	SW. RT	SRRM17
VR801	VU145100	VR	16KΩ
VR802	VU145200	VR	20KΩ
VR803	VU145000	VR	MN30KΩ
	VJ828000	PIN	IMSA-6024-03E
	BB071360	SCR. TERM	8. 3x13

* New Parts

CHIP RESISTOR & CHIP METAL FILM RESISTOR

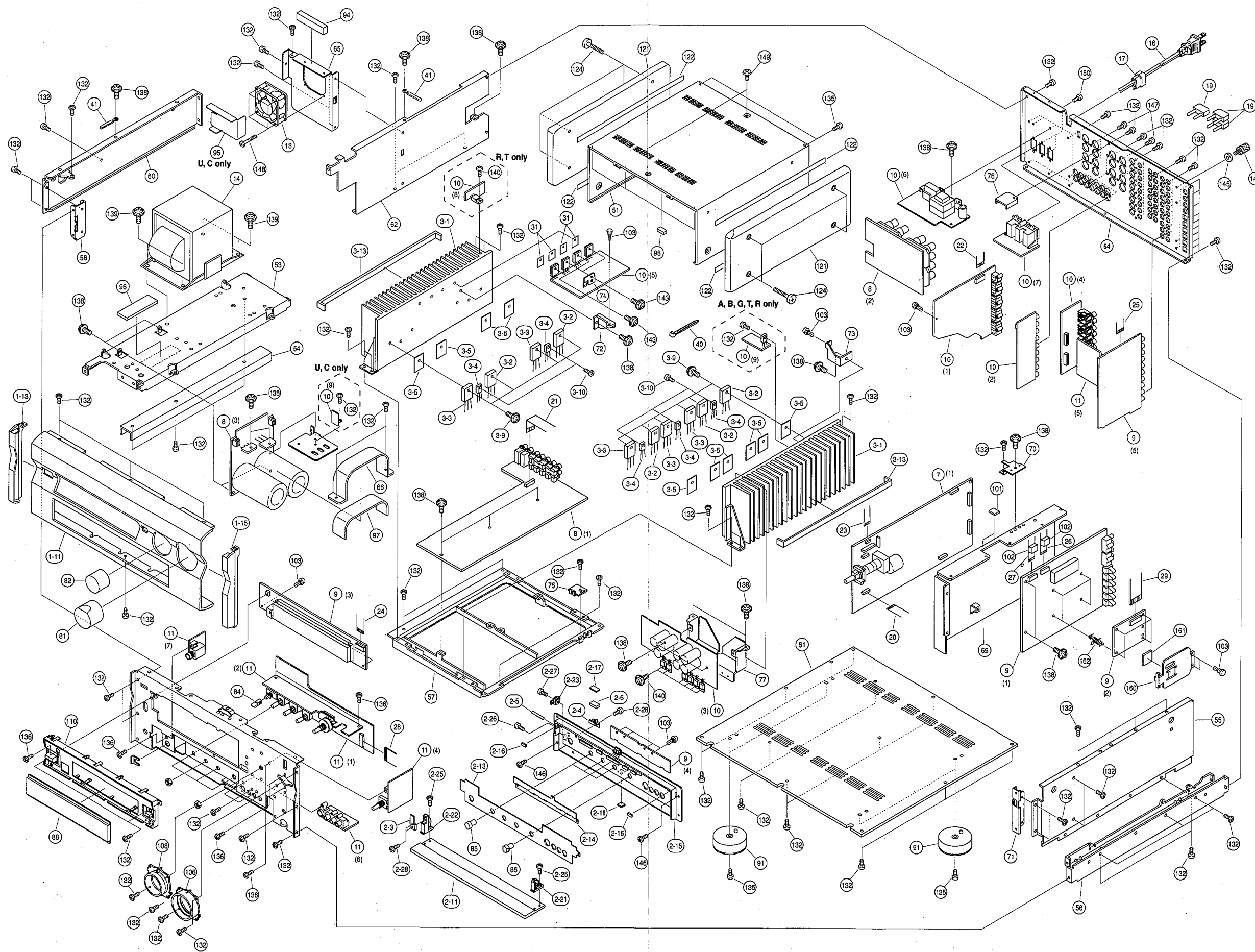
Schm Ref.	PART NO.	Description	
	RD250000	R. CAR. CHP	0Ω 1/10W
	RD253220	R. CAR. CHP	2. 2Ω 1/10W
	RD253470	R. CAR. CHP	4. 7Ω 1/10W
	RD254220	R. CAR. CHP	22Ω 1/10W
	RD254470	R. CAR. CHP	47Ω 1/10W
	RD254680	R. CAR. CHP	68Ω 1/10W
	RD254750	R. CAR. CHP	75Ω 1/10W
	RD254820	R. CAR. CHP	82Ω 1/10W
	RD255100	R. CAR. CHP	100Ω 1/10W
	RD255120	R. CAR. CHP	120Ω 1/10W
	RD255150	R. CAR. CHP	150Ω 1/10W
	RD255200	R. CAR. CHP	200Ω 1/10W
	RD255330	R. CAR. CHP	330Ω 1/10W
	RD255470	R. CAR. CHP	470Ω 1/10W
	RD255680	R. CAR. CHP	680Ω 1/10W
	RD255820	R. CAR. CHP	820Ω 1/10W
	RD256100	R. CAR. CHP	1KΩ 1/10W
	RD256220	R. CAR. CHP	2. 2KΩ 1/10W
	RD256330	R. CAR. CHP	3. 3KΩ 1/10W
	RD256390	R. CAR. CHP	3. 9KΩ 1/10W
	RD256430	R. CAR. CHP	4. 3KΩ 1/10W
	RD256470	R. CAR. CHP	4. 7KΩ 1/10W
	RD256680	R. CAR. CHP	6. 8KΩ 1/10W
	RD256750	R. CAR. CHP	7. 5KΩ 1/10W
	RD256820	R. CAR. CHP	8. 2KΩ 1/10W
	RD256910	R. CAR. CHP	9. 1KΩ 1/10W
	RD257100	R. CAR. CHP	10KΩ 1/10W
	RD257180	R. CAR. CHP	18KΩ 1/10W
	RD257220	R. CAR. CHP	22KΩ 1/10W
	RD257270	R. CAR. CHP	27KΩ 1/10W
	RD257470	R. CAR. CHP	47KΩ 1/10W
	RD257680	R. CAR. CHP	68KΩ 1/10W
	RD257820	R. CAR. CHP	82KΩ 1/10W
	RD258100	R. CAR. CHP	100KΩ 1/10W
	RD258220	R. CAR. CHP	220KΩ 1/10W
	RD259100	R. CAR. CHP	1MΩ 1/10W
	Vi191700	R. MTL. CHP	47Ω 1/10W
	Vi191800	R. MTL. CHP	51Ω 1/10W
	Vi192400	R. MTL. CHP	91Ω 1/10W
	Vi192500	R. MTL. CHP	100Ω 1/10W
	Vi192700	R. MTL. CHP	120Ω 1/10W
	Vi192900	R. MTL. CHP	150Ω 1/10W
	Vi193300	R. MTL. CHP	220Ω 1/10W
	Vi193700	R. MTL. CHP	330Ω 1/10W
	Vi194100	R. MTL. CHP	470Ω 1/10W
	Vi194700	R. MTL. CHP	820Ω 1/10W
	Vi194900	R. MTL. CHP	1KΩ 1/10W
	Vi195000	R. MTL. CHP	1. 1KΩ 1/10W
	Vi195100	R. MTL. CHP	1. 2KΩ 1/10W
	Vi195200	R. MTL. CHP	1. 3KΩ 1/10W

* New Parts

Schm Ref.	PART NO.	Description	
	Vi195300	R. MTL. CHP	1. 5KΩ 1/10W
	Vi195400	R. MTL. CHP	1. 6KΩ 1/10W
	Vi195500	R. MTL. CHP	1. 8KΩ 1/10W
	Vi195700	R. MTL. CHP	2. 2KΩ 1/10W
	Vi195900	R. MTL. CHP	2. 7KΩ 1/10W
	Vi196100	R. MTL. CHP	3. 3KΩ 1/10W
	Vi196600	R. MTL. CHP	4. 7KΩ 1/10W
	Vi196700	R. MTL. CHP	5. 1KΩ 1/10W
	Vi196800	R. MTL. CHP	5. 6KΩ 1/10W
	Vi196900	R. MTL. CHP	6. 2KΩ 1/10W
	Vi197000	R. MTL. CHP	6. 8KΩ 1/10W
	Vi197100	R. MTL. CHP	7. 5KΩ 1/10W
	Vi197200	R. MTL. CHP	8. 2KΩ 1/10W
	Vi197400	R. MTL. CHP	10KΩ 1/10W
	Vi197600	R. MTL. CHP	12KΩ 1/10W
	Vi197700	R. MTL. CHP	13KΩ 1/10W
	Vi198000	R. MTL. CHP	18KΩ 1/10W
	Vi198200	R. MTL. CHP	22KΩ 1/10W
	Vi198400	R. MTL. CHP	27KΩ 1/10W
	Vi198500	R. MTL. CHP	30KΩ 1/10W
	Vi198600	R. MTL. CHP	33KΩ 1/10W
	Vi198800	R. MTL. CHP	39KΩ 1/10W
	Vi199000	R. MTL. CHP	47KΩ 1/10W
	Vi199200	R. MTL. CHP	56KΩ 1/10W
	Vi199600	R. MTL. CHP	82KΩ 1/10W
	Vi199900	R. MTL. CHP	91KΩ 1/10W
	Vi200000	R. MTL. CHP	100KΩ 1/10W
	VK581200	R. MTL. CHP	120KΩ 1/10W
	VK581600	R. MTL. CHP	180KΩ 1/10W
	VK582000	R. MTL. CHP	270KΩ 1/10W
	VK582200	R. MTL. CHP	330KΩ 1/10W
	VK582600	R. MTL. CHP	470KΩ 1/10W
	VK583400	R. MTL. CHP	1MΩ 1/10W

* New Parts

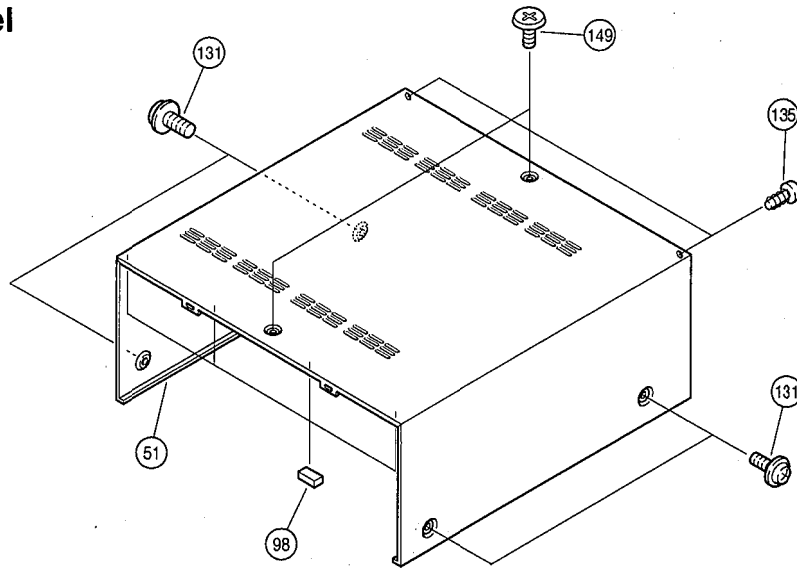
EXPLODED VIEW



1 ■ EXPLODED VIEW

Black model

2

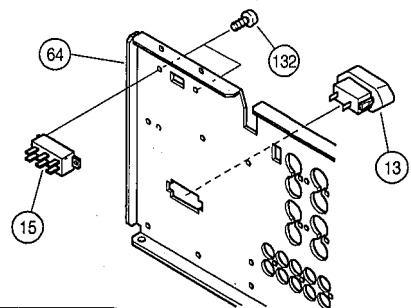
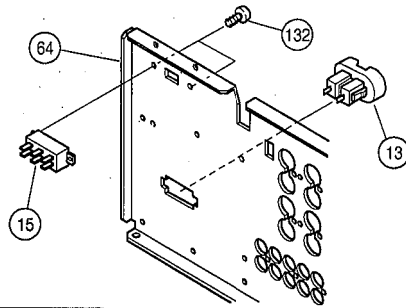


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A model

G model

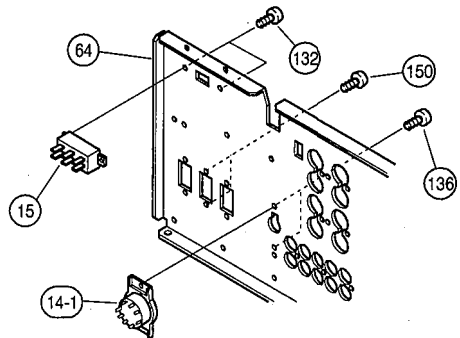
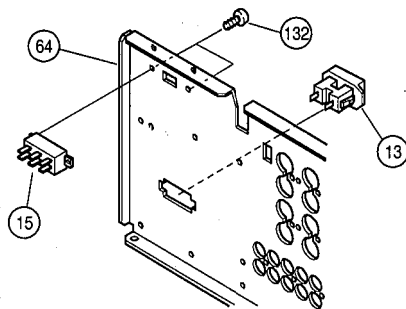
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B model

R, T models

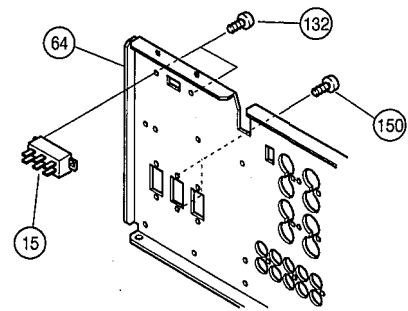
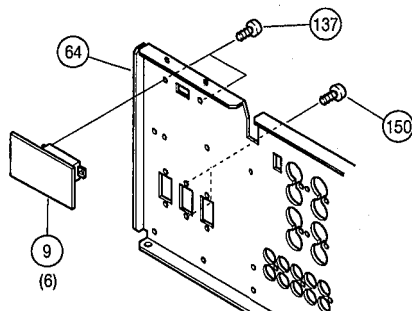
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C model

U model

6



7

MECHANICAL PARTS

Ref. No.	PART NO.	Description	Remarks	Markets
* 1-11	V0046100	FRONT PANEL		GD
* 1-11	VZ622000	FRONT PANEL		BL
* 1-11	VZ622100	FRONT PANEL		TI
* 1-13	V0047200	PLATE, SIDE L		GD
* 1-13	VZ629000	PLATE, SIDE L		BL
* 1-13	VZ629100	PLATE, SIDE L		TI
* 1-15	V0047300	PLATE, SIDE R		GD
* 1-15	VZ629200	PLATE, SIDE R		BL
* 1-15	VZ629300	PLATE, SIDE R		TI
* 2- 3	VZ619800	SUPPORT	HINGE	
* 2- 4	VZ830500	SUPPORT	MG	
* 2- 5	VZ621800	SHAFT	AA	
* 2- 6	VZ621900	MAGNET		
* 2-11	V0046300	PANEL, LID		GD
* 2-11	VZ622400	PANEL, LID		BL
* 2-11	VZ622500	PANEL, LID		TI
* 2-13	V0046800	PLATE, L		GD
* 2-13	VZ627700	PLATE, L		BL
* 2-13	VZ627800	PLATE, L		TI
* 2-14	V0046900	PLATE, SP		GD
* 2-14	VZ627900	PLATE, SP		BL
* 2-14	VZ628000	PLATE, SP		TI
* 2-15	V0047000	CASE, SUB PANEL		GD
* 2-15	VZ628600	CASE, SUB PANEL		BL
* 2-15	VZ628700	CASE, SUB PANEL		TI
* 2-16	V2048500	CUSHION, LID		GD
	VT062900	CUSHION		BL
	VU182300	CUSHION, LID		TI
* 2-17	VZ875000	SPACER	MG	
	VH625500	DAMPER		
* 2-21	V0050300	STOPPER	HINGE	GD
	VJ888100	STOPPER	HINGE	BL
* 2-21	VZ830400	STOPPER	HINGE	TI
* 2-22	V0047400	HINGE		GD
* 2-22	VZ629400	HINGE		BL
* 2-22	VZ629500	HINGE		TI
* 2-23	VZ830300	DAMPER, GEAR	15G	
	ED330066	BIND HEAD SCREW	3x6 FCRM3-BL	
	EK930010	PW HEAD B-TITE SCREW	3x8-8 FCRM3-BL	
	VG893800	BIND HEAD P-TITE SCREW	2x6 ZMC2-BL	
	VE529700	PW HEAD B-TITE SCREW	3x6-8 FCRM3-BL	
* 3- 1	VZ628100	HEAT SINK ASS'Y		
△# 3- 2	IX637430	TRANSISTOR	2SA1943 O, R	Q369A, 374A, 378A
△# 3- 2	IX637430	TRANSISTOR	2SA1943 O, R	, 380A, 382A
△# 3- 3	IX637440	TRANSISTOR	2SC5200 O, R	Q369C, 374C, 378C
△# 3- 3	IX637440	TRANSISTOR	2SC5200 O, R	, 380C, 382C
# 3- 4	VC398100	TRANSISTOR	2SC1846 S	Q325, 326, 372
# 3- 4	VC398100	TRANSISTOR	2SC1846 S	, 390, 391
	VK196000	SHEET	22x29	
	VK173200	SCREW, TRANSISTOR	3x15 SP FCM3	
	VK697600	BIND HEAD B-TITE SCREW	3x10 SP ZMC2-Y	
	VU195800	DAMPER, FIN		
* 7	VZ800900	P. C. B. ASS'Y	FUNCTION	(UCRT)

* New Parts

Ref. No.	PART NO.	Description	Remarks	Markets
* 7	VZ801000	P. C. B. ASS'Y	FUNCTION	(ABG)
* 8	VZ801200	P. C. B. ASS'Y	MAIN	(UC)
* 8	VZ801300	P. C. B. ASS'Y	MAIN	(RT)
* 8	VZ801400	P. C. B. ASS'Y	MAIN	(A)
* 8	VZ801500	P. C. B. ASS'Y	MAIN	(BG)
9	V2067500	P. C. B. ASS'Y	DSP	(C)
* 9	VZ801700	P. C. B. ASS'Y	DSP	(URT)
* 9	VZ801800	P. C. B. ASS'Y	DSP	(ABG)
* 10	VZ802000	P. C. B. ASS'Y	VIDEO	(UC)
* 10	VZ802200	P. C. B. ASS'Y	VIDEO	(RT)
* 10	VZ802300	P. C. B. ASS'Y	VIDEO	(A)
* 10	VZ802400	P. C. B. ASS'Y	VIDEO	(B)
* 10	VZ884800	P. C. B. ASS'Y	VIDEO	(G)
* 11	VZ802500	P. C. B. ASS'Y	TONE CONTROL	
△ 13	VJ775000	AC OUTLET	2P	(B)
△ 13	VJ775100	AC OUTLET	2P	(G)
△ 13	VT915100	AC OUTLET	2P	(A)
△* 14	XU313A00	POWER TRANSFORMER		(C)
△* 14	XU312A00	POWER TRANSFORMER		(U)
△* 14	XU314A00	POWER TRANSFORMER		(RT)
△* 14	XU315A00	POWER TRANSFORMER		(A)
△* 14	XU316A00	POWER TRANSFORMER		(BG)
△ 14-1	Vi449800	VOLTAGE SELECTOR	ESE-37284-F	(RT)
△* 15	VZ855600	SLIDE SWITCH	SDKGA4	(URABGT)
△ 16	VP418300	POWER CORD ASS'Y		(A)
△ 16	VQ458400	POWER CORD ASS'Y		(R)
△ 16	VS759300	POWER CORD ASS'Y		(G)
△ 16	VU122900	POWER CORD ASS'Y		(UC)
△ 16	VU411300	POWER CORD ASS'Y		(B)
△ 16	VZ542500	POWER CORD ASS'Y		(T)
17	VN158600	CORD STOPPER	No. 2104	
* 18	V2063800	DC FAN MOTOR	DC MMS-06D24DU-ROE	
19	LB101890	SHORT PLUG		
* 20	VZ869000	CONNECTOR, FLAT CABLE	11P 100mm	
* 21	VZ869700	CONNECTOR, FLAT CABLE	21P 400mm	
22	VN024000	CONNECTOR, FLAT CABLE	14P 60mm	
23	VQ157100	CONNECTOR, FLAT CABLE	10P 70mm	
* 24	VZ869400	CONNECTOR, FLAT CABLE	13P 250mm	
25	VT242300	CONNECTOR, FLAT CABLE	19P 200mm	
* 26	VZ869100	CONNECTOR, FLAT CABLE	12P 60mm	
* 27	VZ869200	CONNECTOR, FLAT CABLE	12P 200mm	
28	VU145800	CONNECTOR, FLAT CABLE	19P 250mm	
* 29	VZ869500	CONNECTOR, FLAT CABLE	20P 30mm	
31	VK195900	SHEET	19x24	
40	CB069250	BINDING TIE	BK-1	
41	CB502030	BINDING TIE	S-75B	
* 51	V0046000	TOP COVER		GD
* 51	VZ617400	TOP COVER		BL
* 51	VZ617500	TOP COVER		TI
* 53	VZ618000	FRAME	L	
54	VU120700	FRAME, L/SF		
* 55	VZ618100	FRAME	R/UP	
56	VK380300	FRAME		

* New Parts

Ref. No.	PART NO.	Description	Remarks	Markets
57	VT999300	FRAME, CENTER A		
58	VJ895500	FRAME	A	
* 60	VZ618300	FRAME	SL	
61	VJ893400	BOTTOM COVER		
* 62	VZ618400	FRAME	CF	
* 63	VZ617900	SUB CHASSIS		
* 64	VZ618600	REAR PANEL		(U)
* 64	VZ618800	REAR PANEL		(C)
* 64	VZ618900	REAR PANEL		(RT)
* 64	VZ619100	REAR PANEL		(A)
* 64	VZ619200	REAR PANEL		(G)
* 64	VZ619300	REAR PANEL		(B)
* 65	VZ619400	SUPPORT	FAN	
* 66	VZ764400	SUPPORT	CMCN	
* 69	VZ618200	SHIELD CASE	/DSP	
* 70	VZ619600	SUPPORT	I/PCB	
71	VT999700	SUPPORT	R/FR	
72	VU120500	SUPPORT	E/PCB	
* 73	VZ772400	SUPPORT	S/PCB	
74	VU196100	SUPPORT, TR	AMP	
* 75	VZ619700	SUPPORT	I/UND	
76	VV306200	SUPPORT, TOP		
* 77	VZ628200	HEAT SINK		
* 81	V0046400	KNOB		GD
* 81	VZ622600	KNOB		BL
* 81	VZ622700	KNOB		TI
* 82	V0046600	KNOB		GD
* 82	VZ623200	KNOB		BL
* 82	VZ623400	KNOB		TI
* 84	V0016900	BUTTON, 3/8		GD
84	VV123500	BUTTON, 3/8		BL
84	VV123600	BUTTON, 3/8		TI
85	VS757200	KNOB, P	D12	BL
85	VS757300	KNOB, P	D12	TI
* 85	VZ891300	KNOB, P	D12	GD
86	VT275100	KNOB	D12R	BL
86	VT275200	KNOB	D12R	TI
* 86	VZ891400	KNOB, R	D12	GD
* 88	VZ628300	WINDOW PANEL, LID		
* 91	V0042500	LEG	D60/H21	GD
91	VS025000	LEG	D60xH21	TI, BL
* 94	VZ822300	CUSHION, FAN		
* 95	VZ739500	PLATE, FAN COVER		(UC)
* 96	VZ764800	DAMPER	BLACK	
97	VK492200	DAMPER	A	
98	VE222600	CUSHION		
99	Vi707300	DAMPER		(G)
101	VH625500	DAMPER		
102	VL347200	DAMPER	11x15	
103	CB605620	PLASTIC RIVET	No. 1781	
* 106	VZ623800	ESCUTCHEON, VOL		BL
* 106	VZ623900	ESCUTCHEON, VOL		TI
* 106	VZ756400	ESCUTCHEON, VOL		GD

* New Parts

Ref. No.	PART NO.	Description	Remarks	Markets
* 108	VZ625900	ESCUTCHEON, SEL	BL	
* 108	VZ626000	ESCUTCHEON, SEL	TI	
* 108	VZ756800	ESCUTCHEON, SEL	GD	
* 110	V0050200	BUTTON CASE	GD	
* 110	VZ695400	BUTTON CASE	UPPER ASS' Y	
* 110	VZ695500	BUTTON CASE	UPPER ASS' Y	
* 110	VZ829900	BUTTON CASE	UPPER CASE ASS' Y	
* 121	VZ829900	SIDE PANEL	DSP-A3092	GD, TI
122	VK492400	SPACER		GD, TI
124	VC077200	FLAT FILLISTER HEAD SCREW	4x27 FCRM3-BR	GD, TI
131	EK365090	PW HEAD S-TITE SCREW	4x8-10 FCRM3-BL	BL
131	EX601150	BW HEAD S-TITE SCREW	4x8-10 FNM3-BL	TI
132	VN413300	BIND HEAD BONDING B-T. SCREW	3x8 MFZN2-BL	
135	EP600190	BIND HEAD B-TITE SCREW	3x8 ZMC2-BL	
136	ED330066	BIND HEAD SCREW	3x6 FCRM3-BL	
* 137	VB748400	BIND HEAD SCREW	3x8 MFNI33	(C)
138	EK930010	PW HEAD B-TITE SCREW	3x8-8 FCRM3-BL	
139	VK625000	CUP S-TITE SCREW	5x10-12 ZMC2-Y	
140	VK697600	BIND HEAD B-TITE SCREW	3x10 SP ZMC2-Y	
143	VK173200	SCREW, TRANSISTOR	3x15 SP FCM3	
144	AA627310	GROUND TERMINAL		
145	EV265560	PLAIN WASHER	3.6x10x0.8 FNM3-3G	
146	EP600140	BIND HEAD B-TITE SCREW	3x10 MFZN2-BL	
147	VY731200	BONDING HEAD TAPPING SCREW	3x10 MFNI33	
148	VV220300	BIND HEAD B-TITE SCREW	3x30 MFZN2-BL	
149	EX601850	SPECIAL SCREW S-TITE	4x8-10 FCRM3-BL	BL
149	EX601860	SPECIAL SCREW S-TITE	4x8-10 FNM3-BL	TI
* 149	VZ893000	DECORATED SCREW S-TIGHT	4x8-10 MFNI-33	GD
150	EP600220	BIND HEAD B-TITE SCREW	3x10 ZMC2-Y	(UCRT)
* 160	VZ766800	HEAT SINK	DTS	
* 161	VZ830600	SHEET, DTS	100G-FA-A3217	
* 162	VZ830700	SPACER, PCB	MSPLS-6	
* 162	VZ338400	ACCESSORIES REMOTE CONTROL TRANSMITTER	RAV160	
	VY814500	LABEL, REMOTE CONTROL BATTERY, ALKALINE MANGANESE	LR6, AA	

* New Parts

DSP-A1

REMOTE CONTROL TRANSMITTER

SCHEMATIC DIAGRAM

1

2

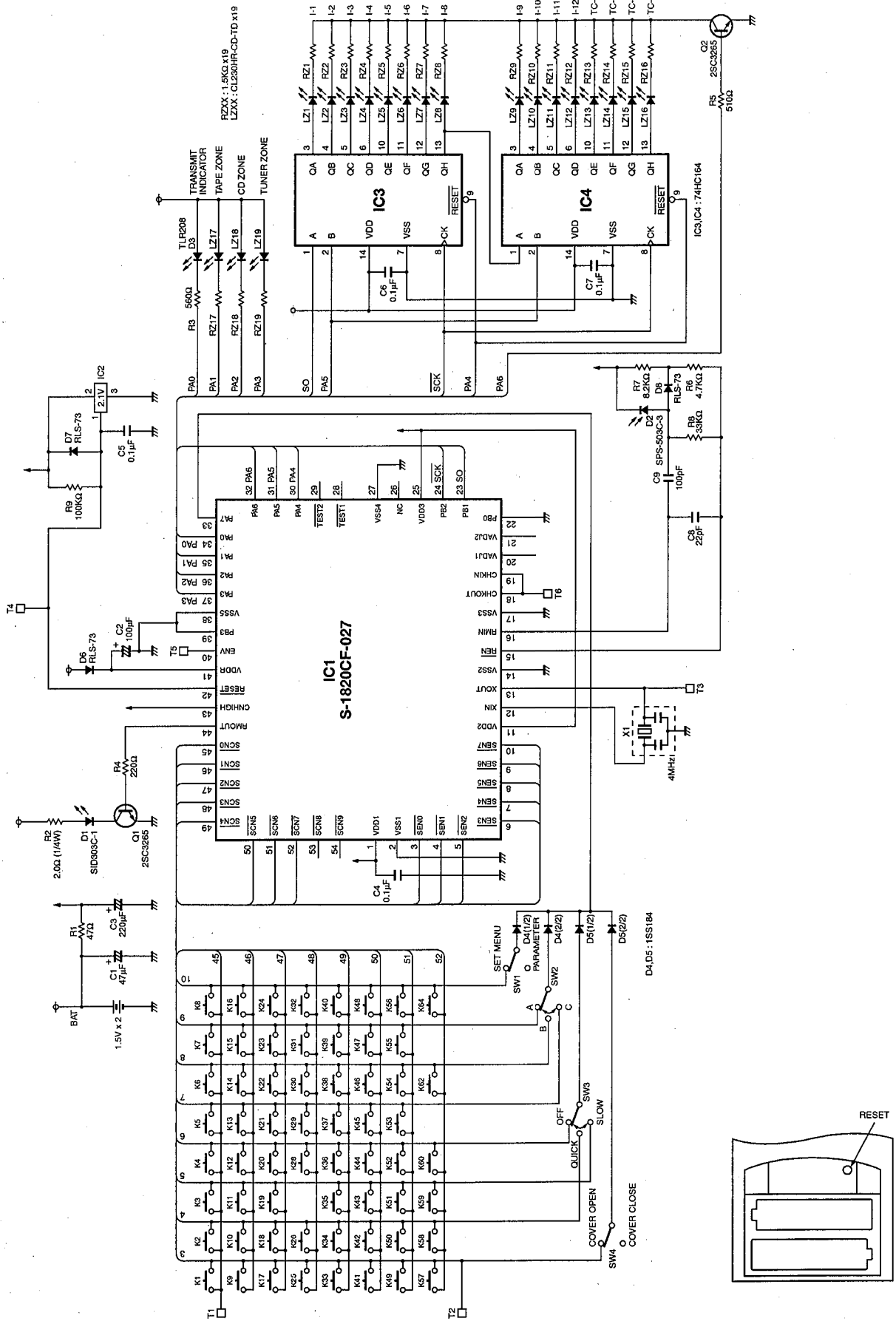
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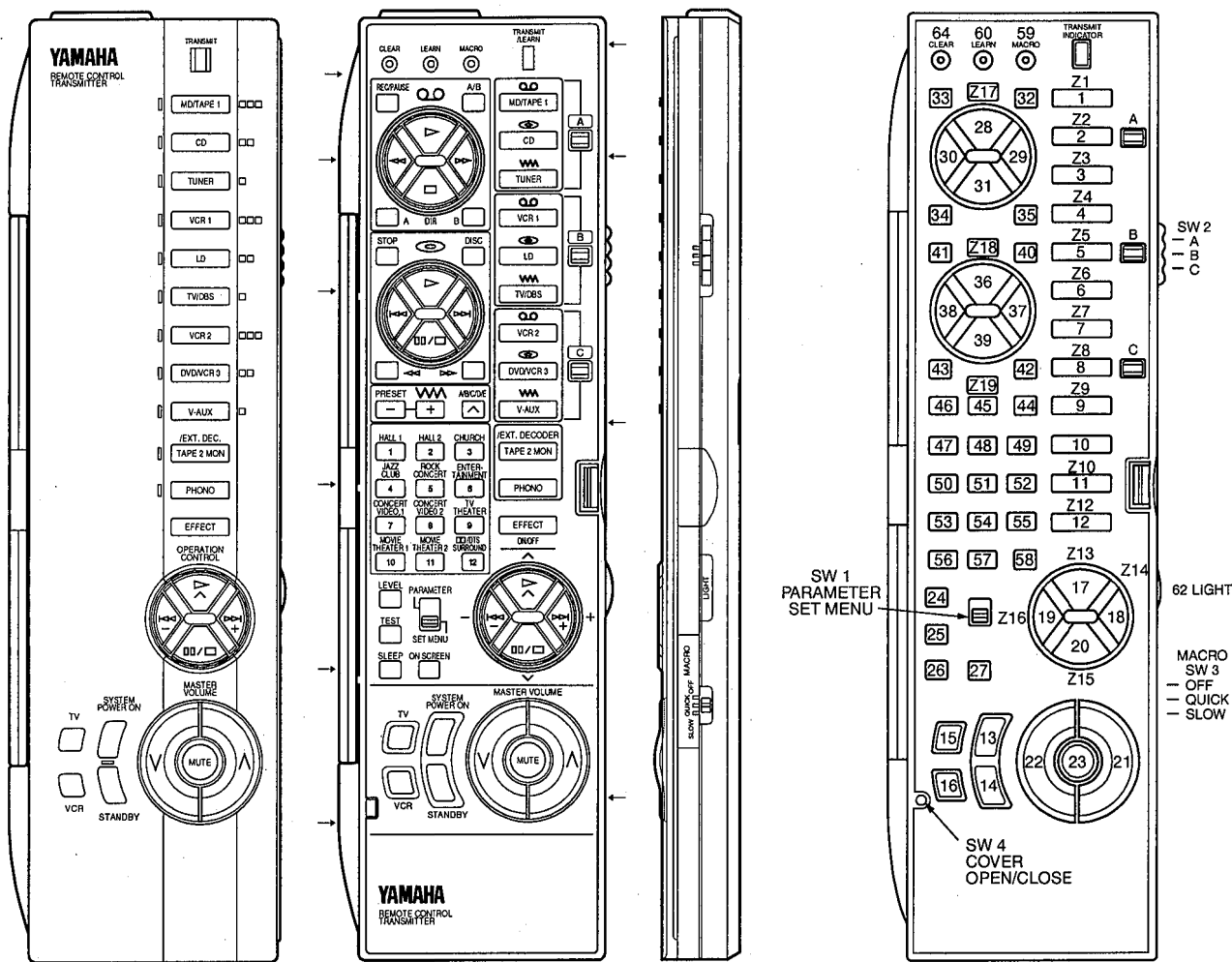
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Key arrangement



ZXX : LED point

List of the fixed code

Key No.	SW 1 SW 2	SET MENU			PARAMETER		
		A	B	C	A	B	C
1	TAPE	7D-82-8B	7D-82-8B	7D-82-8B	7D-82-8B	7D-82-8B	7D-82-8B
2	CD	7D-82-87	7D-82-87	7D-82-87	7D-82-87	7D-82-87	7D-82-87
3	TUNER	7D-82-89	7D-82-89	7D-82-89	7D-82-89	7D-82-89	7D-82-89
4	VCR 1	7D-82-81	7D-82-81	7D-82-81	7D-82-81	7D-82-81	7D-82-81
5	LD	7D-82-83	7D-82-83	7D-82-83	7D-82-83	7D-82-83	7D-82-83
6	TWDBS	7D-82-84	7D-82-84	7D-82-84	7D-82-84	7D-82-84	7D-82-84
7	VCR 2	7D-82-82	7D-82-82	7D-82-82	7D-82-82	7D-82-82	7D-82-82
8	DVD/VCR 3	7D-82-85	7D-82-85	7D-82-85	7D-82-85	7D-82-85	7D-82-85
9	V-AUX	7D-82-8A	7D-82-8A	7D-82-8A	7D-82-8A	7D-82-8A	7D-82-8A
10	TAPE 2 MON/EXTDEC	7D-82-8C	7D-82-8C	7D-82-8C	7D-82-8C	7D-82-8C	7D-82-8C
11	PHONO	7D-82-88	7D-82-88	7D-82-88	7D-82-88	7D-82-88	7D-82-88
12	EFFECT	7D-82-C1	7D-82-C1	7D-82-C1	7D-82-C1	7D-82-C1	7D-82-C1
13	SYSTEM POWER	7D-82-90	7D-82-90	7D-82-90	7D-82-90	7D-82-90	7D-82-90
14	POWER OFF	7D-82-91	7D-82-91	7D-82-91	7D-82-91	7D-82-91	7D-82-91
15	TV POWER	—	—	—	—	—	—
16	VCR POWER	—	—	—	—	—	—
17	^ PLAY ^	7D-82-9D	7D-82-9D	7D-82-9D	7D-82-C5	7D-82-C5	7D-82-C5
18	+ >>> +	7D-82-9E	7D-82-9E	7D-82-9E	7D-82-C6	7D-82-C6	7D-82-C6
19	-- <<< --	7D-82-9F	7D-82-9F	7D-82-9F	7D-82-C7	7D-82-C7	7D-82-C7
20	>>> PAUSE/STOP <<<	7D-82-9C	7D-82-9C	7D-82-9C	7D-82-C4	7D-82-C4	7D-82-C4
21	VOLUME +	7D-82-8D	7D-82-8D	7D-82-8D	7D-82-8D	7D-82-8D	7D-82-8D
22	VOLUME -	7D-82-8E	7D-82-8E	7D-82-8E	7D-82-8E	7D-82-8E	7D-82-8E
23	MUTE	7D-82-94	7D-82-94	7D-82-94	7D-82-94	7D-82-94	7D-82-94
24	LEVEL	7D-82-95	7D-82-95	7D-82-95	7D-82-95	7D-82-95	7D-82-95
25	TEST	7D-82-CA	7D-82-CA	7D-82-CA	7D-82-CA	7D-82-CA	7D-82-CA
26	SLEEP	7D-82-93	7D-82-93	7D-82-93	7D-82-93	7D-82-93	7D-82-93
27	ON SCREEN	7D-82-C2	7D-82-C2	7D-82-C2	7D-82-C2	7D-82-C2	7D-82-C2
28	PLAY	7A-85-00	—	—	7D-82-00	—	—
29	>>>	7A-85-02	—	—	7A-85-02	—	—
30	<<<	7A-85-01	—	—	7A-85-01	—	—

Key No.	SW 1 SW 2	SET MENU			PARAMETER		
		A	B	C	A	B	C
31	STOP	7A-85-03	—	—	7A-85-03	—	—
32	A/B	7A-85-06	—	—	7A-85-06	—	—
33	REC/PAUSE	7A-85-04	—	—	7A-85-04	—	—
34	DIR A	7A-85-07	—	—	7A-85-07	—	—
35	DIR B	7A-85-40	—	—	7A-85-40	—	—
36	PLAY	7A-85-08	7C-83-05	—	7A-85-08	7C-83-05	—
37	>>>	7A-85-0A	7C-83-03	—	7A-85-0A	7C-83-03	—
38	<<<	7A-85-0B	7C-83-02	—	7A-85-0B	7C-83-02	—
39	PAUSE/STOP	7A-85-09	7C-83-04	—	7A-85-09	7C-83-04	—
40	DISC	7A-85-4F	—	—	7A-85-4F	—	—
41	STOP	—	7C-83-5B	—	—	7C-83-5B	—
42	>>>	7A-85-0C	7C-83-07	—	7A-85-0C	7C-83-07	—
43	<<<	7A-85-0D	7C-83-06	—	7A-85-0D	7C-83-06	—
44	A/B/C/D/E	7A-85-12	—	—	7A-85-12	—	—
45	PRESET +	7A-85-10	—	—	7A-85-10	—	—
46	PRESET -	7A-85-11	—	—	7A-85-11	—	—
47	1	7D-82-D0	7D-82-D0	7D-82-D0	7D-82-D0	7D-82-D0	7D-82-D0
48	2	7D-82-D1	7D-82-D1	7D-82-D1	7D-82-D1	7D-82-D1	7D-82-D1
49	3	7D-82-D2	7D-82-D2	7D-82-D2	7D-82-D2	7D-82-D2	7D-82-D2
50	4	7D-82-D3	7D-82-D3	7D-82-D3	7D-82-D3	7D-82-D3	7D-82-D3
51	5	7D-82-D4	7D-82-D4	7D-82-D4	7D-82-D4	7D-82-D4	7D-82-D4
52	6	7D-82-D5	7D-82-D5	7D-82-D5	7D-82-D5	7D-82-D5	7D-82-D5
53	7	7D-82-D6	7D-82-D6	7D-82-D6	7D-82-D6	7D-82-D6	7D-82-D6
54	8	7D-82-D7	7D-82-D7	7D-82-D7	7D-82-D7	7D-82-D7	7D-82-D7
55	9	7D-82-D8	7D-82-D8	7D-82-D8	7D-82-D8	7D-82-D8	7D-82-D8
56	10	7D-82-D9	7D-82-D9	7D-82-D9	7D-82-D9	7D-82-D9	7D-82-D9
57	11	7D-82-DA	7D-82-DA	7D-82-DA	7D-82-DA	7D-82-DA	7D-82-DA
58	12	7D-82-DB	7D-82-DB	7D-82-DB	7D-82-DB	7D-82-DB	7D-82-DB

DSP-A1

Learning and macro key

Key No.	NAME	LEARN	MACRO	Key No.	NAME	LEARN	MACRO
1	TAPE	X	O	31	STOP	●	X
2	CD	X	O	32	A/B	●	X
3	TUNER	X	O	33	REC/PAUSE	●	X
4	VCR 1	X	O	34	DIR A	●	X
5	LD	X	O	35	DIR B	●	X
6	TV/DBS	X	O	36	PLAY	●	X
7	VCR 2	X	O	37	⏮	●	X
8	DVD/VCR 3	X	O	38	⏪	●	X
9	V-AUX	X	O	39	PAUSE/STOP	●	X
10	TAPE 2 MONEXTDEC	X	O	40	DISC	●	X
11	PHONO	X	O	41	STOP	●	X
12	EFFECT	X	X	42	⏩	●	X
13	SYSTEM POWER	X	O	43	⏭	●	X
14	POWER OFF	X	O	44	A/B/C/D/E	●	X
15	TV POWER	O	X	45	PRESET +	●	X
16	VCR POWER	O	X	46	PRESET -	●	X
17	∧ PLAY ∧	X	X	47	1	●	X
18	+ ⏮ +	X	X	48	2	●	X
19	- ⏪ -	X	X	49	3	●	X
20	∨ PAUSE/STOP ∨	X	X	50	4	●	X
21	VOLUME +	X	X	51	5	●	X
22	VOLUME -	X	X	52	6	●	X
23	MUTE	X	X	53	7	●	X
24	LEVEL	X	X	54	8	●	X
25	TEST	X	X	55	9	●	X
26	SLEEP	X	X	56	10	●	X
27	ON SCREEN	X	X	57	11	●	X
28	PLAY	●	X	58	12	●	X
29	⏩	●	X				
30	⏭	●	X				

LEARN

- O : Learning key A (The key of learning 1 position (Don't care every SW).)
- : Learning key B (The key of learning 2 position of SW3-B and SW3-C. in case of SW3-A, non-learning key, without regard to the positions of other SW.)
- X : Non-learning key (The key of non-learning without regard to positions of every SW.)

MACRO

- O : The key of macro setting
- X : The key of macro non-setting

The list of action when each key is pushed.

Key No.	Cover OPEN			Cover CLOSE				
	SW 1	Don't care			Don't care			
	SW 2	A	B	C	OFF	QUICK	SLOW	
1	TAPE	AS	AS	AS	AS	MS	MS	
2	CD	AS	AS	AS	AS	MS	MS	
3	TUNER	AS	AS	AS	AS	MS	MS	
4	VCR 1	AS	AS	AS	AS	MS	MS	
5	LD	AS	AS	AS	AS	MS	MS	
6	TV/DBS	AS	AS	AS	AS	MS	MS	
7	VCR 2	AS	AS	AS	AS	MS	MS	
8	DVD/VCR 3	AS	AS	AS	AS	MS	MS	
9	V-AUX	AS	AS	AS	AS	MS	MS	
10	TAPE 2 MONEXTDEC	AS	AS	AS	AS	MS	MS	
11	PHONO	AS	AS	AS	AS	MS	MS	
12	EFFECT	AS	AS	AS	AS	AS	AS	
13	SYSTEM POWER	A	A	A	A	M	M	
14	POWER OFF	A	A	A	A	M	M	
15	TV POWER	G	G	G	G	G	G	
16	VCR POWER	G	G	G	G	G	G	
17	∧ PLAY ∧	A	A	A	CS	CS	CS	
18	+ ⏮ +	A	A	A	CS	CS	CS	
19	- ⏪ -	A	A	A	CS	CS	CS	
20	∨ PAUSE/STOP ∨	A	A	A	CS	CS	CS	
21	VOLUME +	A	A	A	A	A	A	
22	VOLUME -	A	A	A	A	A	A	
23	MUTE	A	A	A	A	A	A	
24	LEVEL	A	A	A	—	—	—	
25	TEST	A	A	A	—	—	—	
26	SLEEP	A	A	A	—	—	—	
27	ON SCREEN	A	A	A	—	—	—	
28	PLAY	AS	GS	GS	—	—	—	
29	⏩	AS	GS	GS	—	—	—	
30	⏭	AS	GS	GS	—	—	—	

Key No.	Cover OPEN			Cover CLOSE				
	SW 1	Don't care			Don't care			
	SW 2	A	B	C	OFF	QUICK	SLOW	
31	STOP	AS	GS	GS	—	—	—	
32	A/B	AS	GS	GS	—	—	—	
33	REC/PAUSE	AS	GS	GS	—	—	—	
34	DIR A	AS	GS	GS	—	—	—	
35	DIR B	AS	GS	GS	—	—	—	
36	PLAY	AS	BS	GS	—	—	—	
37	⏮	AS	BS	GS	—	—	—	
38	⏪	AS	BS	GS	—	—	—	
39	PAUSE/STOP	AS	BS	GS	—	—	—	
40	DISC	AS	GS	GS	—	—	—	
41	STOP	AS	BS	GS	—	—	—	
42	⏩	NS	BS	GS	—	—	—	
43	⏭	AS	BS	GS	—	—	—	
44	A/B/C/D/E	AS	GS	GS	—	—	—	
45	PRESET +	AS	GS	GS	—	—	—	
46	PRESET -	AS	GS	GS	—	—	—	
47	1	A	B	B	—	—	—	
48	2	A	B	B	—	—	—	
49	3	A	B	B	—	—	—	
50	4	A	B	B	—	—	—	
51	5	A	B	B	—	—	—	
52	6	A	B	B	—	—	—	
53	7	A	B	B	—	—	—	
54	8	A	B	B	—	—	—	
55	9	A	B	B	—	—	—	
56	10	A	B	B	—	—	—	
57	11	A	B	B	—	—	—	
58	12	A	B	B	—	—	—	

- A : Transmit the fixed code (non-learning key)
- B : Transmit the fixed code or learn code
- AS : Transmit the fixed code (non-learning key) + lighting
- BS : Transmit the fixed code or learn code + lighting
- CS : Transmit the code of control mode + lighting
- G : Transmit the learn code (in case of the non-learning, transmits no code)
- GS : Transmit the learn code (in case of the non-learning, transmits no code) + lighting
- M : MACRO transmission
- MS : MACRO transmission + lighting
- NS : Lighting only

Lighting point

Key No.	COVER		OPEN		
	SW 1	Don't care.			
	SW 3	Don't care.			
	SW 2	A	B	C	
1	TAPE	Z1, Z17	Z1	Z1	
2	CD	Z2, Z18	Z2	Z2	
3	TUNER	Z3, Z19	Z3	Z3	
4	VCR 1	Z4	Z4, Z17	Z4	
5	LD	Z5	Z5, Z18	Z5	
6	TV/DBS	Z6	Z6, Z19	Z6	
7	VCR 2	Z7	Z7	Z7, Z17	
8	DVD/VCR 3	Z8	Z8	Z8, Z18	
9	V-AUX	Z9	Z9	Z9, Z19	
10	TAPE2/MONEXT/DEC	Z10	Z10	Z10	
11	PHONO	Z11	Z11	Z11	
12	EFFECT	Z12	Z12	Z12	
28	PLAY	Z1, Z17	Z4, Z17	Z7, Z17	
29	>>	Z1, Z17	Z4, Z17	Z7, Z17	
30	<<	Z1, Z17	Z4, Z17	Z7, Z17	
31	STOP	Z1, Z17	Z4, Z17	Z7, Z17	
32	A/B	Z1, Z17	Z4, Z17	Z7, Z17	
33	REC/PAUSE	Z1, Z17	Z4, Z17	Z7, Z17	
34	DIR A	Z1, Z17	Z4, Z17	Z7, Z17	
35	DIR B	Z1, Z17	Z4, Z17	Z7, Z17	
36	PLAY	Z2, Z18	Z5, Z18	Z8, Z18	
37	>>	Z2, Z18	Z5, Z18	Z8, Z18	
38	<<	Z2, Z18	Z5, Z18	Z8, Z18	
39	PAUSE/STOP	Z2, Z18	Z5, Z18	Z8, Z18	
40	DISC	Z2, Z18	Z5, Z18	Z8, Z18	
41	STOP	Z2, Z18	Z5, Z18	Z8, Z18	
42	>>	Z2, Z18	Z5, Z18	Z8, Z18	
43	<<	Z2, Z18	Z5, Z18	Z8, Z18	
44	A/B/C/D/E	Z3, Z19	Z6, Z19	Z9, Z19	
45	PRESET +	Z3, Z19	Z6, Z19	Z9, Z19	
46	PRESET -	Z3, Z19	Z6, Z19	Z9, Z19	

Key No.	COVER		CLOSE			
	SW 1	Don't care.				
	SW 3	Don't care.				
	SW 2	Don't care.				
1	TAPE	Z1 : ○, Z13 : ○, Z14 : ○, Z16 : ○, Z15 : ○				
2	CD	Z1 : ○, Z13 : ○, Z14 : ○, Z16 : ○, Z15 : ○				
3	TUNER	Z3 : ○, Z13 : ○, Z14 : ○, Z16 : ○				
4	VCR 1	Z4 : ○, Z13 : K28-B, Z14 : K29-B, Z16 : K30-B, Z15 : K31-B				
5	LD	Z5 : ○, Z13 : ○, Z14 : ○, Z16 : ○, Z15 : ○				
6	TV/DBS	Z6 : ○, Z13 : K44-B, Z14 : K45-B, Z16 : K46-B				
7	VCR 2	Z7 : ○, Z13 : K28-C, Z14 : K29-C, Z16 : K30-C, Z15 : K31-C				
8	DVD/VCR 3	Z8 : ○, Z13 : K36-C, Z14 : K37-C, Z16 : K38-C, Z15 : K39-C				
9	V-AUX	Z9 : ○, Z13 : K44-C, Z14 : K45-C, Z16 : K46-C				
10	TAPE2/MONEXT/DEC	Z10 : ○				
11	PHONO	Z11 : ○				
12	EFFECT	Z12 : ○				
17	^ PLAY ^	Same as the case of pushing the mode key of current mode.				
18	+ >> +	(In case of having set the mode TAPE, the lighting is same as the case of pushing TAPE key.)				
19	- << -					
20	∨ PAUSE/STOP ∨					

Detail : ○----- Lighting on.
 K X X - Y ----- Lighting on if the key, that is key No. X X and SW2-Y, has been learned.

Control transmission

The unit transmits the code of the mode set by pushing one of 4 keys (OPERATION CONTROL keys) shown below.

The codes of every mode are the code setting key No. shown below.

(The code is fixed code or learned signal in case of finishing learning. If the key has no code and no learning, the unit transmits no code.)

Key No.	NAME	TAPE	CD	TUNER	VCR 1	LD	TV/DBS	VCR 2	DVD/VCR 3	V-AUX
17	^ PLAY ^	K28-A	K36-A	K44-A	K28-B	K36-B	K44-B	K28-C	K36-C	K44-C
18	+ >> +	K29-A	K37-A	K45-A	K29-B	K37-B	K45-B	K29-C	K37-C	K45-C
19	- << -	K30-A	K38-A	K46-A	K30-B	K38-B	K46-B	K30-C	K38-C	K46-C
20	∨ PAUSE/STOP ∨	K31-A	K39-A	—	K31-B	K39-B	—	K31-C	K39-C	—

Detail : K X X - Y
 Key No. The position of SW2

All key lighting

If the LIGHT key (Key No. 62) is pushed, the LED lights as shown below.

If the LIGHT key (Key No. 62) is pushed again during lighting of the LED, the LED turns off.

	COVER	OPEN	CLOSE
Lighting LED		Z1 ~ Z19	Z1 ~ Z16

MACRO transmission

Transmission code of initial setting is shown below. (key No.) Each transmission code is the fixed or learning code.

Key No.	COVER		CLOSE						
	SW 1	Don't care.							
	SW 2	Don't care.							
	SW 3	QUICK or SLOW							
	MACRO order	1	2	3	4	5	6	7	
1	TAPE	K13	K1	K28-A	—	—	—	—	
2	CD	K13	K2	K36-A	—	—	—	—	
3	TUNER	K13	K3	—	—	—	—	—	
4	VCR 1	K13	K4	K28-B	—	—	—	—	
5	LD	K13	K5	K36-B	—	—	—	—	
6	TV/DBS	K13	K6	—	—	—	—	—	
7	VCR 2	K13	K7	K28-C	—	—	—	—	
8	DVD/VCR 3	K13	K8	K36-C	—	—	—	—	
9	V-AUX	K13	K9	—	—	—	—	—	
10	TAPE2/MONEXT/DEC	K13	K10	—	—	—	—	—	
11	PHONO	K13	K11	—	—	—	—	—	
13	SYSTEM POWER	K13	K15	K16	—	—	—	—	
14	POWER OFF	K14	—	—	—	—	—	—	

Detail : K X X - Y
 Key No. The position of SW2

A

B

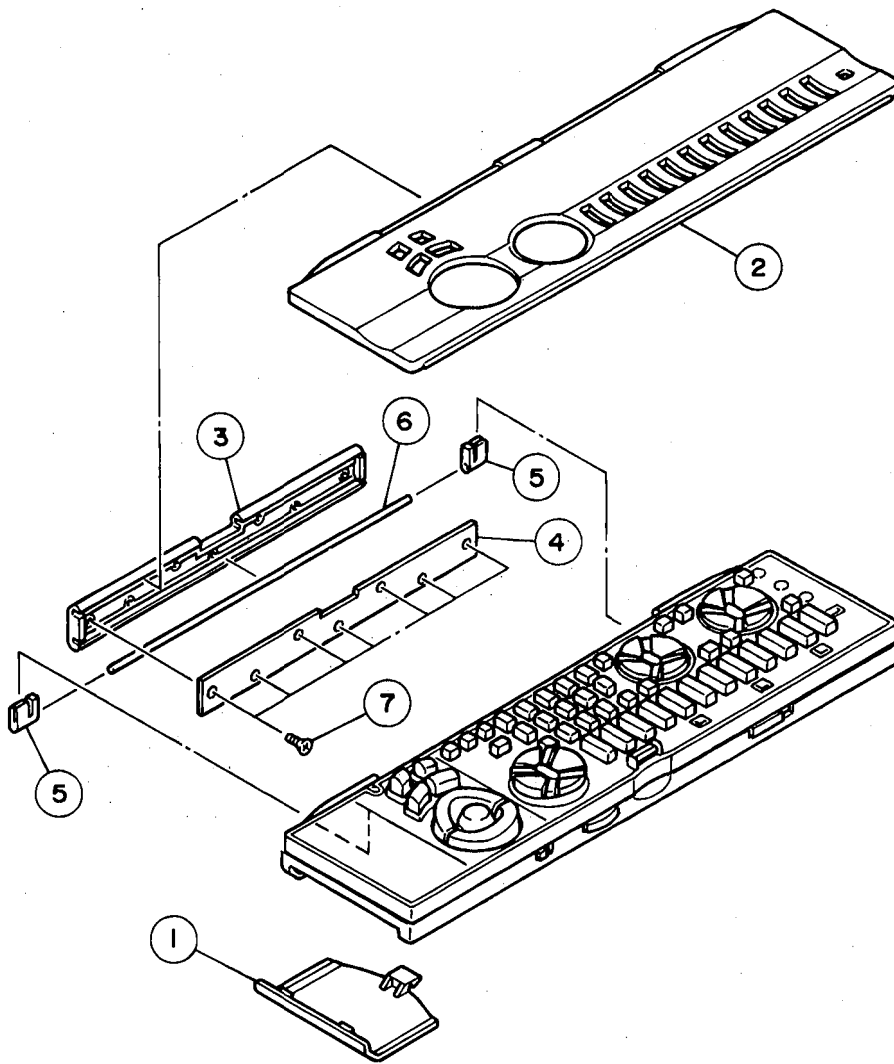
C

D

E

DSP-A1

1 ■ EXPLODED VIEW



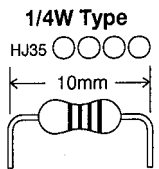
Ref. No.	PART NO.	Description	Remarks	Markets
*	VZ338400	REMOTE CONTROL TRANSMITTER	RRC4000-5452R	
1	CX680040	COVER, BATTERY		103RRC11101R
*	2	CX680610	LID	103RRC11202R
3	CX680060	BRACKET	A	503RRC00401R
4	CX680070	BRACKET	B	503RRC00501R
5	CX680080	GUIDE PIN		522RRC00101R
6	CX680090	PIN		524RRC00101R
7	EX603910	SCREW	M1.7x13.5	ABB1703321001

* New Parts

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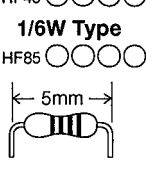
Parts List for Carbon Resistors

Value	1/4W Type Part No.	1/6W Type Part No.	Value	1/4W Type Part No.	1/6W Type Part No.
1.0 Ω	HJ35 3100	HF85 3100	10 kΩ	HF45 7100	HF45 7100
1.8 Ω	HJ35 3180	*	11 kΩ	HF45 7110	HF45 7110
2.2 Ω	HJ35 3220	HF85 3220	12 kΩ	HJ35 7120	HF85 7120
3.3 Ω	HJ35 3330	HF85 3330	13 kΩ	HF45 7130	HF45 7130
4.7 Ω	HJ35 3470	HF85 3470	15 kΩ	HF45 7150	HF45 7150
5.6 Ω	HJ35 3560	HF85 3560	18 kΩ	HF45 7180	HF45 7180
10 Ω	HF45 4100	HF45 4100	22 kΩ	HF45 7220	HF45 7220
15 Ω	HJ35 4150	HF85 4150	24 kΩ	HF45 7240	HF45 7240
22 Ω	HF45 4220	HF45 4220	27 kΩ	HJ35 7270	HF85 7270
27 Ω	HJ35 4270	HF85 4270	30 kΩ	HF45 7300	HF45 7300
33 Ω	HF45 4330	HF45 4330	33 kΩ	HF45 7330	HF45 7330
39 Ω	HJ35 4470	HF85 4390	36 kΩ	HF45 7360	HF45 7360
47 Ω	HF45 4470	HF45 4470	39 kΩ	HF45 7390	HF45 7390
56 Ω	HF45 4560	HF45 4560	47 kΩ	HF45 7470	HF45 7470
68 Ω	HF45 4680	HF45 4680	51 kΩ	HF45 7510	HF45 7510
75 Ω	HF45 4750	HF45 4750	56 kΩ	HF45 7560	HF45 7560
82 Ω	HF45 4820	HF45 4820	62 kΩ	HF45 7620	HF45 7620
91 Ω	HF45 4910	HF45 4910	68 kΩ	HF45 7680	HF45 7680
100 Ω	HF45 5100	HF45 5100	82 kΩ	HF45 7820	HF45 7820
110 Ω	HJ35 5110	HF85 5110	91 kΩ	HF45 7910	HF45 7910
120 Ω	HF45 5120	HF45 5120	100 kΩ	HF45 8100	HF45 8100
150 Ω	HF45 5150	HF45 5150	110 kΩ	HF45 8110	HF45 8110
160 Ω	HJ35 5160	*	120 kΩ	HF45 8120	HF45 8120
180 Ω	HF45 5180	HF45 5180	150 kΩ	HF45 8150	HF45 8150
200 Ω	HF45 5200	HF45 5200	180 kΩ	HF45 8180	HF45 8180
220 Ω	HF45 5220	HF45 5220	220 kΩ	HJ35 8220	HF85 8220
270 Ω	HF45 5270	HF45 5270	270 kΩ	HF45 8270	HF45 8270
330 Ω	HF45 5330	HF45 5330	300 kΩ	HF45 8300	HF45 8300
390 Ω	HF45 5390	HF45 5390	330 kΩ	HF45 8330	HF45 8330
430 Ω	HF45 5430	HF45 5430	390 kΩ	HJ35 8390	HF85 8390
470 Ω	HF45 5470	HF45 5470	470 kΩ	HF45 8470	HF45 8470
510 Ω	HF45 5510	HF45 5510	560 kΩ	HJ35 8560	HF85 8560
560 Ω	HF45 5560	HF45 5560	680 kΩ	HJ35 8680	HF85 8680
680 Ω	HF45 5680	HF45 5680	820 kΩ	HJ35 8820	HF85 8820
820 Ω	HF45 5820	HF45 5820	1.0 MΩ	HF45 9100	HF45 9100
910 Ω	HF45 5910	HF45 5910	1.2 MΩ	HJ35 9120	*
1.0 kΩ	HF45 6100	HF45 6100	1.5 MΩ	HJ35 9150	HF85 9150
1.2 kΩ	HF45 6120	HF45 6120	1.8 MΩ	HJ35 9180	HF85 9180
1.5 kΩ	HF45 6150	HF45 6150	2.2 MΩ	HJ35 9220	HF85 9220
1.8 kΩ	HF45 6180	HF45 6180	3.3 MΩ	HJ35 9330	HF85 9330
2.0 kΩ	HJ35 6200	HF85 6200	3.9 MΩ	HJ35 9390	*
2.2 kΩ	HF45 6220	HF45 6220	4.7 MΩ	HJ35 9470	HF85 9470
2.4 kΩ	HJ35 6240	HF85 6240			
2.7 kΩ	HF45 6270	HF45 6270			
3.0 kΩ	HF45 6300	HF45 6300			
3.3 kΩ	HF45 6330	HF45 6330			
3.6 kΩ	HJ35 6360	HF85 6360			
3.9 kΩ	HF45 6390	HF45 6390			
4.7 kΩ	HF45 6470	HF45 6470			
5.1 kΩ	HF45 6510	HF45 6510			
5.6 kΩ	HF45 6560	HF45 6560			
6.8 kΩ	HF45 6680	HF45 6680			
8.2 kΩ	HF45 6820	HF45 6820			
9.1 kΩ	HF45 6910	HF45 6910			



1/4W Type
HJ35 ○○○○

10mm



1/6W Type
HF85 ○○○○

5mm

DSP-A1

YAMAHA
