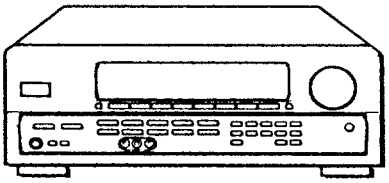
aiwa

aiwa SERVICE

AV-DV70
AV-D50
AV-D30
AV-D25

SERVICE MANUAL



STEREO AV RECEIVER

• TYPE : HC,EZ(70,50,30), LH(50), U(25)

REVISION PUBLISHING

This Service Manual is the "Revision Publishing" and replaces "Simple Manual" (S/M Code No. 09-987-289-80l).

S/M Code No. 09-988-289-90l

SPECIFICATIONS [AV-DV70]

FM tuner section

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	13.2 dBf
Antenna terminals	75 ohms (unbalanced)

AM tuner section [HC Model]

Tuning range	530 kHz to 1710 kHz (10 kHz step), 531 kHz to 1602 kHz (9 kHz step)
Usable sensitivity	350 µV/m
Antenna	Loop antenna

MW tuner section [EZ Model]

Tuning range	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
Usable sensitivity	350 µV/m
Antenna	Loop antenna

LW tuner section [EZ Model]

Tuning range	144 kHz to 290 kHz
Usable sensitivity	1400 µV/m
Antenna	Loop antenna

Amplifier section

Power output [HC Model]	[Stereo Mode] Front Rated:130 W + 130 W (8 ohms, T.H.D. 1%, 1kHz) Reference: 160 W + 160 W (8 ohms, T.H.D. 10%, 1 kHz) [Dolby Digital Surround or Dolby Pro Logic Mode] Front Rated: 100 W + 100 W (8 ohms, T.H.D. 1%, 1kHz) Reference: 120 W + 120 W (8 ohms, T.H.D. 10%, 1 kHz) Rear (Surround) Rated: 50 W + 50 W (8 ohms, T.H.D. 1%, 1kHz) Reference: 60 W + 60 W (8 ohms, T.H.D. 10%, 1 kHz) Center Rated:100 W (8 ohms, T.H.D. 1%, 1kHz) Reference: 120 W (8 ohms, T.H.D. 10%, 1 kHz)
Power output [EZ Model]	[Stereo Mode] Front Rated: 130 W + 130 W (8 ohms, T.H.D. 1%, 1kHz/DIN 45500) Reference: 160 W + 160 W (8 ohms, T.H.D. 10%, 1 kHz/DIN 45324) DIN MUSIC POWER: 190 W + 190 W [Dolby Digital Surround or Dolby Pro Logic Mode] Front Rated: 100 W + 100 W (8 ohms, T.H.D. 1%, 1kHz/DIN 45500) Reference: 120 W + 120 W (8 ohms, T.H.D. 10%, 1 kHz/DIN 45324) DIN MUSIC POWER: 190 W + 190 W Rear (Surround) Rated: 50 W + 50 W (8 ohms, T.H.D. 1%, 1 kHz/DIN 45500) Reference: 70 W + 70 W (8 ohms, T.H.D. 10%, 1 kHz/DIN 45324) DIN MUSIC POWER: 70 W + 70 W Center Rated:100 W (8 ohms, T.H.D. 1%, 1kHz/DIN 45500) Reference:120W (8 ohms, T.H.D. 10%, 1 kHz/DIN 45324) DIN MUSIC POWER: 190 W
Total harmonic distortion	0.08% (85 W, 1 kHz, 8 ohms, Front)
Inputs	AUDIO IN PHONO: 2.5 mV, adjustable (47 kohms) CD: 250 mV, adjustable (47 kohms) TAPE MONITOR: 320 mV (47 kohms) VIDEO 1/DVD/MD, VIDEO 2/LD/TV, VIDEO 3, 250 mV, adjustable (47 kohms) AUX: 200 mV, adjustable (47 kohms) DIGITAL IN COAXIAL (VIDEO 2): OPTICAL (VIDEO 1): accept linear PCM (32 kHz, 44.1 kHz and 48 kHZ) signal and bit stream of Dolby Digital Surround
Outputs	AUDIO OUT (REC OUT): 200mV (1 kohm) VIDEO OUT (MONITOR): 1 Vp-p (75 ohms) SUPER WOOFER: 5.0 V FRONT SPEAKERS IMP: 8 Ω /4 Ω selectable (front speakers A and B): with the SPEAKER IMPEDANCE SELECTOR set to 4 Ω , accepts speaker of 4 ohms, with the SPEAKER IMPEDANCE SELECTOR set to 8 Ω , accepts speaker of 8 ohms or more. SURROUND SPEAKERS IMP: 8 Ω (surround speakers): accepts speakers of 8 ohms or more. CENTER SPEAKER IMP: 8 Ω /4 Ω selectable: with the SPEAKER IMPEDANCE SELECTOR set to 4 Ω , accepts speaker of 4 ohms, with the SPEAKER IMPEDANCE SELECTOR set to 8 Ω , accepts speaker of 8 ohms or more. PHONES (stereo jack): accepts headphones of 32 ohms or more
Muting	–20 dB

General [HC Model]

Power requirements	120/220 - 230/240 V AC, switchable, 50/60 Hz
Power consumption	270 W
Dimensions	430 x 155 x 351 mm (W x H x D)
Weight	11.5 kg

General [EZ Model]

Power requirements	230 V AC, 50 Hz
Power consumption	260 W
Dimensions	430 x 155 x 351 mm (W x H x D)
Weight	11.8 kg

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SPECIFICATIONS [AV-D50]

FM tuner section

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	13.2 dBf
Antenna terminals	75 ohms (unbalanced)

AM tuner section [HC, LH Models]

Tuning range	530 kHz to 1710 kHz (10 kHz step), 531 kHz to 1602 kHz (9 kHz step)
Usable sensitivity	350 µV/m
Antenna	Loop antenna

MW tuner section [EZ Model]

Tuning range	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
Usable sensitivity	350 µV/m
Antenna	Loop antenna

LW tuner section [EZ Model]

Tuning range	144 kHz to 290 kHz
Usable sensitivity	1400 µV/m
Antenna	Loop antenna

Amplifier section

Power output [HC Model]	[Stereo Mode] Front Rated: 130 W + 130 W (8 ohms, T.H.D. 1%, 1kHz) Reference: 160 W + 160 W (8 ohms, T.H.D. 10%, 1 kHz) [Dolby Pro Logic or 5.1 CH Mode] Front Rated: 100 W + 100 W (8 ohms, T.H.D. 1%, 1kHz) Reference: 120 W + 120 W (8 ohms, T.H.D. 10%, 1 kHz) Rear (Surround) Rated: 50 W + 50 W (8 ohms, T.H.D. 1%, 1kHz) Reference: 60 W + 60 W (8 ohms, T.H.D. 10%, 1 kHz) Center Rated: 100 W (8 ohms, T.H.D. 1%, 1kHz) Reference: 120 W (8 ohms, T.H.D. 10%, 1 kHz)
Power output [EZ Model]	[Stereo Mode] Front Rated: 130 W + 130 W (8 ohms, T.H.D. 1%, 1kHz/DIN 45500) Reference: 160 W + 160 W (8 ohms, T.H.D. 10%, 1 kHz/DIN 45324) DIN MUSIC POWER: 190 W + 190 W [Dolby Pro Logic or 5.1 CH Mode] Front Rated: 100 W + 100 W (8 ohms, T.H.D. 1%, 1kHz/DIN 45500) Reference: 120 W + 120 W (8 ohms, T.H.D. 10%, 1 kHz/DIN 45324) DIN MUSIC POWER: 190 W + 190 W Rear (Surround) Rated: 50 W + 50 W (8 ohms, T.H.D. 1%, 1 kHz/DIN 45500) Reference: 70 W + 70 W (8 ohms, T.H.D. 10%, 1 kHz/DIN 45324) DIN MUSIC POWER: 70 W + 70 W Center Rated: 100 W (8 ohms, T.H.D. 1%, 1kHz/DIN 45500) Reference: 120W (8 ohms, T.H.D. 10%, 1 kHz/DIN 45324) DIN MUSIC POWER: 190 W
Power output [LH Model]	[Stereo Mode] Front 160 W + 160 W (8 ohms, T.H.D. 10%, 1kHz) [Dolby Pro Logic or 5.1 CH Mode] Front 120 W + 120 W (8 ohms, T.H.D. 10%, 1kHz) Rear (Surround) 60 W + 60 W (8 ohms, T.H.D. 10%, 1 kHz) Center 120 W
Total harmonic distortion	0.08% (85 W, 1 kHz, 8 ohms, Front)
Inputs	AUDIO IN PHONO: 2.5 mV, adjustable (47 kohms) CD: 200 mV, adjustable (47 kohms) TAPE MONITOR: 320 mV (47 kohms) VIDEO 1/DVD/MD, VIDEO 2/LD/TV, VIDEO 3, AUX: 200 mV, adjustable (47 kohms) 5.1 INPUT FRONT, CENTER: 500 mV (47 kohms) SURROUND, SUB-WOOFER: 400 mV (47 kohms) VIDEO IN: 1 Vp-p (75 ohms)
Outputs	AUDIO OUT (REC OUT): 200mV (1 kohm) VIDEO OUT (MONITOR): 1 Vp-p (75 ohms) SUPER WOOFER: 1.2 V FRONT SPEAKERS IMP: 8 Ω /4 Ω selectable (front speakers A and B): with the SPEAKER IMPEDANCE SELECTOR set to 4 Ω , accepts speaker of 4 ohms, with the SPEAKER IMPEDANCE SELECTOR set to 8 Ω , accepts speaker of 8 ohms or more. SURROUND SPEAKERS IMP: 8 Ω (surround speakers): accepts speakers of 8 ohms or more CENTER SPEAKER IMP: 8 Ω /4 Ω selectable: with the SPEAKER IMPEDANCE SELECTOR set to 4 Ω , accepts speaker of 4 ohms, with the SPEAKER IMPEDANCE SELECTOR set to 8 Ω , accepts speaker of 8 ohms or more. PHONES (stereo jack): accepts hedphones of 32 ohms or more
Muting	–20 dB

General [HC, LH Models]

Power requirements	120/220 - 230/240 V AC, switchable, 50/60 Hz
Power consumption	270 W
Dimensions	430 x 155 x 351 mm (W x H x D)
Weight	11.5 kg

General [EZ Model]

Power requirements	230 V AC, 50 Hz
Power consumption	260 W
Dimensions	430 x 155 x 351 mm (W x H x D)
Weight	11.8 kg

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SPECIFICATIONS [AV-D30]

FM tuner section

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	13.2 dBf
Antenna terminals	75 ohms (unbalanced)

AM tuner section [HC Model]

Tuning range	530 kHz to 1710 kHz (10 kHz step), 531 kHz to 1602 kHz (9 kHz step)
Usable sensitivity	350 µV/m
Antenna	Loop antenna

MW tuner section [EZ Model]

Tuning range	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
Usable sensitivity	350 µV/m
Antenna	Loop antenna

LW tuner section [EZ Model]

Tuning range	144 kHz to 290 kHz
Usable sensitivity	1400 µV/m
Antenna	Loop antenna

Amplifier section

Power output [HC Model]	[Stereo Mode] Front Rated: 80 W + 80 W (8 ohms, T.H.D. 1%, 1kHz) Reference: 100 W + 100 W (8 ohms, T.H.D. 10%, 1 kHz) [Dolby Pro Logic or 5.1 CH Mode] Front Rated: 60 W + 60 W (8 ohms, T.H.D. 1%, 1kHz) Reference: 75 W + 75 W (8 ohms, T.H.D. 10%, 1 kHz) Rear (Surround) Rated: 30 W + 30 W (8 ohms, T.H.D. 1%, 1kHz) Reference: 37 W + 37 W (8 ohms, T.H.D. 10%, 1 kHz) Center Rated: 60 W (8 ohms, T.H.D. 1%, 1kHz) Reference: 75 W (8 ohms, T.H.D. 10%, 1 kHz)
Power output [EZ Model]	[Stereo Mode] Front Rated: 80 W + 80 W (8 ohms, T.H.D. 1%, 1kHz/DIN 45500) Reference: 100 W + 100 W (8 ohms, T.H.D. 10%, 1 kHz/DIN 45324) DIN MUSIC POWER: 130 W + 130 W [Dolby Pro Logic or 5.1 CH Mode] Front Rated: 60 W + 60 W (8 ohms, T.H.D. 1%, 1kHz/DIN 45500) Reference: 70 W + 70 W (8 ohms, T.H.D. 10%, 1 kHz/DIN 45324) DIN MUSIC POWER: 130 W + 130 W Rear (Surround) Rated: 30 W + 30 W (8 ohms, T.H.D. 1%, 1 kHz/DIN 45500) Reference: 40 W + 40 W (8 ohms, T.H.D. 10%, 1 kHz/DIN 45324) DIN MUSIC POWER: 40 W + 40 W Center Rated: 60 W (8 ohms, T.H.D. 1%, 1kHz/DIN 45500) Reference: 70W (8 ohms, T.H.D. 10%, 1 kHz/DIN 45324) DIN MUSIC POWER: 130 W
Total harmonic distortion	0.08% (50 W, 1 kHz, 8 ohms, Front)
Inputs	AUDIO IN PHONO: 2.5 mV, adjustable (47 kohms) CD: 200 mV, adjustable (47 kohms) TAPE MONITOR: 300 mV (47 kohms) VIDEO 1/DVD/MD, VIDEO 2/LD/TV, VIDEO 3, AUX: 200 mV, adjustable (47 kohms) 5.1 INPUT FRONT, CENTER, SUB-WOOFER: 400 mV (47 kohms) SURROUND: 280 mV (47 kohms) VIDEO IN: 1 Vp-p (75 ohms)
Outputs	AUDIO OUT (REC OUT): 200mV (1 kohm) VIDEO OUT (MONITOR): 1 Vp-p (75 ohms) SUPER WOOFER: 1.2 V FRONT SPEAKERS IMP: 8 Ω (front speakers A and B): accepts speakers of 8 ohms or mote. SURROUND SPEAKERS IMP: 8 Ω (surround speakers): accepts of 8 ohms or more CENTER SPEAKER IMP: 8 Ω : accepts a speakers of 8 ohms or more PHONES (stereo jack): accepts headphones of 32 ohms or more
Muting	–20 dB

General [HC Model]

Power requirements	120/220 - 230/240 V AC, switchable, 50/60 Hz
Power consumption	160 W
Dimensions	430 x 155 x 351 mm (W x H x D)
Weight	10.6 kg

General [EZ Model]

Power requirements	230 V AC, 50 Hz
Power consumption	165 W
Dimensions	430 x 155 x 351 mm (W x H x D)
Weight	10.1 kg

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SPECIFICATIONS [AV-D25]

FM tuner section

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	13.2 dBf
Antenna terminals	75 ohms (unbalanced)

AM tuner section

Tuning range	530 kHz to 1710 kHz (10 kHz step), 531 kHz to 1602 kHz (9 kHz step)
Usable sensitivity	350 µV/m
Antenna	Loop antenna

Amplifier section

Power output [HC Model]	[Stereo Mode] Front 65 watts per channel, Min. RMS at 8 ohms, from 40 Hz to 20 kHz, with no more than 0.9% Total Harmonic Distortion [Dolby Pro Logic or 5.1 CH Mode] Front 50 watts per channel, Min. RMS at 8 ohms, from 40 Hz to 20 kHz, with no more than 0.9% Total Harmonic Distortion Rear (Surround) 25 watts per channel, Min. RMS at 8 ohms, from 1 kHz, with no more than 0.9% Total Harmonic Distortion Center 50 watts, Min. RMS at 8 ohms, from 1 kHz, with no more than 0.9% Total Harmonic Distortion
Total harmonic distortion	0.08% (40 W, 1 kHz, 8 ohms, Front)
Inputs	AUDIO IN CD: 200 mV, adjustable (47 kohms) TAPE MONITOR: 300 mV (47 kohms) VIDEO 1/DVD/MD, VIDEO 2/LD/TV, VIDEO 3, AUX: 200 mV, adjustable (47 kohms) 5.1 INPUT FRONT, CENTER: 450 mV (47 kohms) SURROUND: 300 mV (47 kohms) SUB-WOOFER: 400 mV (47 kohms) VIDEO IN: 1 Vp-p (75 ohms)
Outputs	AUDIO OUT (REC OUT): 200mV (1 kohm) VIDEO OUT (MONITOR): 1 Vp-p (75 ohms) SUPER WOOFER: 1.2 V FRONT SPEAKERS IMP: 8 Ω (front speakers A and B): accepts speakers of 8 ohms or mote. SURROUND SPEAKERS IMP: 8 Ω (surround speakers): accepts of 8 ohms or more CENTER SPEAKER IMP: 8 Ω : accepts a speakers of 8 ohms or more PHONES (stereo jack): accepts headphones of 32 ohms or more
Muting	–20 dB

General

Power requirements	120 V AC, 60 Hz
Power consumption	135 W
Dimensions	430 x 155 x 351 mm (W x H x D) 17 x $6^{1}/_{8}$ x$13^{7}/_{8}$ in.)
Weight	9.4 kg (20 lb 12 oz.)

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ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC			
	88-AR1-664-010		C-IC,UPD780228GF-027-3BA
	87-A20-823-010		C-IC,YSS248<70HC,70EZ>
	87-070-391-040		IC,BA4558F
	87-A20-824-010		C-IC,CS4226<70HC,70EZ>
	87-A20-154-010		IC,SPS-444-1
	87-020-903-010		IC,NJM7805FA<70HC,70EZ>
	87-017-022-080		IC,NJM2068M-D(T1)
	87-020-784-080		IC,TC4053BF
	87-A20-870-010		IC,GP1F37R<70HC,70EZ>
	87-A20-560-040		C-IC,M65849BFP
	87-001-604-080		IC,TC74HCU04M<70HC,70EZ>
	87-002-298-080		IC,TC74HC00AF<70HC,70EZ>
	87-A20-715-010		IC,M62439SP
	87-017-726-080		IC,BU4052 BCF
	87-A21-011-040		C-IC,M62445FP-600D
	87-A20-056-010		IC,BA3880S<EXCEPT 30HC,30EZ,25>
	87-017-888-080		IC,NJM4558MD<70HC,50HC,30HC>
	87-A20-561-040		C-IC,M65847AFP<70HC,50HC,30HC>
	86-NFZ-655-010		IC,LC72131D(Z)<EXCEPT 70HC,70EZ,25>
	87-070-127-110		IC,LC72131D<70HC,70EZ,25>
	87-A20-913-010		IC,LA1837NL
	87-A20-453-010		C-IC,NJW1102B<EXCEPT 70HC,70EZ>
	87-A20-440-040		C-IC,BU1920FS<70EZ,50EZ,30EZ>
	87-A20-820-010		IC,BA7625
	87-017-917-080		IC,BU4066BCF
TRANSISTOR			
	87-A30-087-080		C-FET,2SK2158
	87-A30-071-080		C-TR,RT1N 144C
	89-110-372-080		TR,2SA1037K(R)(140MHZ 200MW)
	89-213-750-010		TR,2SB1375E(25W)
	87-026-263-080		C-TR,RN1410
	87-A30-083-080		TR,CSD1489B
	87-A30-075-080		C-TR,2SA1235F
	89-112-965-080		TR,2SA1296GR(0.75W)
	87-A30-076-080		C-TR,2SC3052F
	87-A30-074-080		C-TR,RT1P 141C
	87-026-610-080		TR,KTC3198GR
	87-A30-073-080		C-TR,RT1N 141C
	89-213-702-010		TR,2SB1370E(1.8W)
	87-A30-086-070		C-TR,CSD1306E
	87-A30-072-080		C-TR,RT1P 144C
	87-026-609-080		TR,KTA1266GR
	87-A30-107-070		C-TR,CMBT5401
	87-A30-190-080		TR,CC5551
	87-A30-097-010		TR,FN 1016<EXCEPT 25>
	87-A30-137-010		TR,2SD2494<25>
	87-A30-098-010		TR,FP 1016<EXCEPT 25>
	87-A30-138-010		TR,2SB1625<25>
	87-A30-106-070		C-TR,CMBT5551
	87-A30-162-010		FET,2SK2937
	87-026-236-080		TR,DTC124E,K
	87-026-232-080		TR,DTA144WK
	87-A30-131-080		TR,2SA965Y
	87-026-608-080		C-TR,DTC 123 JK<70HC,70EZ>
	87-A30-196-080		TR,2SC4115SRS
	89-327-143-080		TR,2SC2714 (0.1W)
	89-503-602-080		C-FET,2SK360E<70EZ,50EZ,30EZ>
DIODE			
	87-A40-291-080		DIODE,1N4148M(CPT)
	87-A40-470-080		DIODE,1SS254
	87-A40-345-080		ZENER,MTZJ10C
	87-A40-468-080		C-DIODE,HSM2836CTR
	87-070-136-080		ZENER,MTZJ5.1B
	87-027-686-080		ZENER,HZ-12A1<EXCEPT 30HC,30EZ,25>
	87-A40-002-080		ZENER,MTZJ5.1C<EXCEPT 70HC,70EZ>
	87-A40-115-060		DIODE,RS603M
	87-A40-469-080		C-DIODE,HSM2838CTR
	87-A40-004-080		ZENER,MTZJ16A
	87-A40-335-080		ZENER,MTZJ11C T-72
	87-A40-344-080		ZENER,MTZJ6.2C
	87-A40-224-010		DIODE,GBU8D<EXCEPT 25>
	87-017-654-060		DIODE,GBU6J<25>
	87-070-274-080		DIODE,1N4003 SEM
	87-A40-336-080		ZENER,MTZJ27D T-72
	87-A40-347-080		ZENER,MTZJ2.2B
	87-A40-274-010		DIODE,FMB-G16L
	87-A40-299-080		ZENER,DZ5.1M<EXCEPT 70HC,70EZ,25>
	87-A40-488-080		DIODE,1SS244
	87-017-931-080		ZENER,MTZJ5.6B
	87-A40-458-080		ZENER,MTZJ18B<25>
	87-A40-510-080		ZENER,MTZJ20A<30HC>
	87-A40-434-080		ZENER,MTZJ22D<30EZ>
	87-A40-236-080		ZENER,MTZJ24D<70HC,50HC,50LH>
	87-A40-499-080		ZENER,MTZJ27B<70EZ,50EZ>
	87-A40-348-080		ZENER,MTZJ3.3A<70HC,70EZ>
	87-A40-438-080		ZENER,MTZJ4.7A
	87-A40-234-080		ZENER,MTZJ5.6A
	87-A40-270-080		C-DIODE,MC2838<70EZ,50EZ,30EZ>
MAIN C.B			
C101	87-010-235-080		CAP,E 470-16 SME
C102	87-010-235-080		CAP,E 470-16 SME
C103	87-010-384-080		CAP, ELECT 100-25V
C104	87-016-128-080		CAP,E 22-25 105
C105	87-010-247-080		CAP, ELECT 100-50V
C106	87-010-384-080		CAP, ELECT 100-25V
C107	87-010-263-080		CAP, ELECT 100-10V<25>
C108	87-012-140-080		CAP 470P
C109	87-012-368-080		C-CAP,S 0.1-50 F
C110	87-012-368-080		C-CAP,S 0.1-50 F
C111	87-012-368-080		C-CAP,S 0.1-50 F
C112	87-012-368-080		C-CAP,S 0.1-50 F
⚠C113	87-016-658-090		CAP,E 4700-35 SMG
⚠C114	87-016-658-090		CAP,E 4700-35 SMG
C115	87-012-368-080		C-CAP,S 0.1-50 F
C116	87-012-368-080		C-CAP,S 0.1-50 F
C117	87-012-368-080		C-CAP,S 0.1-50 F
C118	87-012-368-080		C-CAP,S 0.1-50 F
⚠C119	87-A10-462-090		CAP,E 6800-63 SMG VB<30HC,30EZ,25>
⚠C119	87-A10-416-090		CAP,E 6800-80 SMG VB <EXCEPT 30HC,30EZ,25>
⚠C120	87-A10-462-090		CAP,E 6800-63 SMG VB<30HC,30EZ,25>
⚠C120	87-A10-416-090		CAP,E 6800-80 SMG VB <EXCEPT 30HC,30EZ,25>
C121	87-010-260-080		CAP, ELECT 47-25V
C122	87-010-403-080		CAP, ELECT 3.3-50V
C123	87-010-384-080		CAP, ELECT 100-25V
C124	87-010-384-080		CAP, ELECT 100-25V
C125	87-A10-417-080		CAP,E 47-63 M SME
C126	87-010-263-080		CAP, ELECT 100-10V
C127	87-010-197-080		CAP, CHIP 0.01 DM
C149	87-010-154-080		CAP CHIP 10P
C150	87-010-154-080		CAP CHIP 10P
C153	87-010-401-080		CAP, ELECT 1-50V
C154	87-010-401-080		CAP, ELECT 1-50V
C155	87-010-196-080		CHIP CAPACITOR,0.1-25
C156	87-010-196-080		CHIP CAPACITOR,0.1-25
C157	87-010-408-080		CAP, ELECT 47-50V
C158	87-010-408-080		CAP, ELECT 47-50V
C159	87-010-154-080		CAP CHIP 10P
C168	87-A10-830-080		C-CAP,S 0.33-16 K <EXCEPT 70HC,70EZ>
C169	87-010-154-080		CAP CHIP 10P

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C170	87-010-154-080		CAP CHIP 10P<70HC,70EZ>
C170	87-012-393-080		C-CAP,S 0.22-16 R K <EXCEPT 70HC,70EZ>
C171	87-010-196-080		CHIP CAPACITOR,0.1-25
C172	87-010-154-080		CAP CHIP 10P
C173	87-010-405-080		CAP, ELECT 10-50V
C174	87-010-401-080		CAP, ELECT 1-50V
C175	87-010-196-080		CHIP CAPACITOR,0.1-25
C203	87-010-179-080		CAP,CHIP S B1200P
C204	87-010-179-080		CAP,CHIP S B1200P
C205	87-010-406-080		CAP, ELECT 22-50
C206	87-010-406-080		CAP, ELECT 22-50
C209	87-010-406-080		CAP, ELECT 22-50
C210	87-010-406-080		CAP, ELECT 22-50
C211	87-012-140-080		CAP 470P
C212	87-012-140-080		CAP 470P
C215	87-A10-897-080		CAP,E 100-25 BP SME
C216	87-A10-897-080		CAP,E 100-25 BP SME
C217	87-A10-516-080		C-CAP,S 100P-200 J CH
C218	87-A10-516-080		C-CAP,S 100P-200 J CH
C219	87-010-805-080		CAP, S 1-16<EXCEPT 30HC,30EZ,25>
C220	87-010-805-080		CAP, S 1-16<EXCEPT 30HC,30EZ,25>
C221	87-010-805-080		CAP, S 1-16
C222	87-010-805-080		CAP, S 1-16
C223	87-010-402-080		CAP, ELECT 2.2-50V
C224	87-010-402-080		CAP, ELECT 2.2-50V
C225	87-010-196-080		CHIP CAPACITOR,0.1-25
C226	87-010-384-080		CAP, ELECT 100-25V
C227	87-010-178-080		CHIP CAP 1000P
C228	87-010-178-080		CHIP CAP 1000P
C229	87-010-384-080		CAP, ELECT 100-25V
C285	87-010-186-080		CAP,CHIP 4700P
C287	87-010-191-080		C-CAP,S 0.015-50 F <70EZ,50EZ,30EZ>
C287	87-010-190-080		S CHIP F 0.01<EXCEPT 70EZ,50EZ,30EZ>
C288	87-010-191-080		C-CAP,S 0.015-50 F<70EZ,50EZ,30EZ>
C288	87-010-190-080		S CHIP F 0.01<EXCEPT 70EZ,50EZ,30EZ>
C289	87-010-191-080		C-CAP,S 0.015-50 F<70EZ,50EZ,30EZ>
C289	87-010-190-080		S CHIP F 0.01<EXCEPT 70EZ,50EZ,30EZ>
C290	87-010-191-080		C-CAP,S 0.015-50 F<70EZ,50EZ,30EZ>
C290	87-010-190-080		S CHIP F 0.01<EXCEPT 70EZ,50EZ,30EZ>
C291	87-012-368-080		C-CAP,S 0.1-50 F
C292	87-012-368-080		C-CAP,S 0.1-50 F
C293	87-012-368-080		C-CAP,S 0.1-50 F
C294	87-012-368-080		C-CAP,S 0.1-50 F
C295	87-012-368-080		C-CAP,S 0.1-50 F
C296	87-012-368-080		C-CAP,S 0.1-50 F
C297	87-012-368-080		C-CAP,S 0.1-50 F
C298	87-012-368-080		C-CAP,S 0.1-50 F
C303	87-010-181-080		CAP,CHIP S 1800P
C304	87-010-181-080		CAP,CHIP S 1800P
C305	87-010-406-080		CAP, ELECT 22-50
C306	87-010-406-080		CAP, ELECT 22-50
C309	87-010-406-080		CAP, ELECT 22-50
C310	87-010-406-080		CAP, ELECT 22-50
C311	87-012-140-080		CAP 470P
C312	87-012-140-080		CAP 470P
C315	87-A10-897-080		CAP,E 100-25 BP SME
C316	87-A10-897-080		CAP,E 100-25 BP SME
C317	87-A10-516-080		C-CAP,S 100P-200 J CH
C318	87-A10-516-080		C-CAP,S 100P-200 J CH
C321	87-010-805-080		CAP, S 1-16
C322	87-010-805-080		CAP, S 1-16
C323	87-010-402-080		CAP, ELECT 2.2-50V
C324	87-010-402-080		CAP, ELECT 2.2-50V
C325	87-010-196-080		CHIP CAPACITOR,0.1-25<EXCEPT 25>
C327	87-010-178-080		CHIP CAP 1000P<EXCEPT 25>
C328	87-010-178-080		CHIP CAP 1000P<EXCEPT 25>
C330	87-012-368-080		C-CAP,S 0.1-50 F
C331	87-012-368-080		C-CAP,S 0.1-50 F
C332	87-010-408-080		CAP, ELECT 47-50V
C333	87-010-408-080		CAP, ELECT 47-50V
C334	87-A10-918-080		CAP,E 100-16 SMG
C335	87-A10-918-080		CAP,E 100-16 SMG
C385	87-010-186-080		CAP,CHIP 4700P
C391	87-012-368-080		C-CAP,S 0.1-50 F
C392	87-012-368-080		C-CAP,S 0.1-50 F
C393	87-012-368-080		C-CAP,S 0.1-50 F
C394	87-012-368-080		C-CAP,S 0.1-50 F
C395	87-010-191-080		C-CAP,S 0.015-50 F<70EZ,50EZ,30EZ>
C395	87-010-190-080		S CHIP F 0.01 <EXCEPT 70EZ,50EZ,30EZ>
C396	87-010-191-080		C-CAP,S 0.015-50 F<70EZ,50EZ,30EZ>
C396	87-010-190-080		S CHIP F 0.01 <EXCEPT 70EZ,50EZ,30EZ>
C397	87-012-368-080		C-CAP,S 0.1-50 F<70EZ,50EZ,30EZ>
C398	87-012-368-080		C-CAP,S 0.1-50 F<70EZ,50EZ,30EZ>
C402	87-010-181-080		CAP,CHIP S 1800P
C403	87-010-406-080		CAP, ELECT 22-50
C405	87-010-406-080		CAP, ELECT 22-50<EXCEPT 70HC,70EZ>
C405	87-010-408-080		CAP, ELECT 47-50V<70HC,70EZ>
C406	87-012-140-080		CAP 470P
C408	87-A10-897-080		CAP,E 100-25 BP SME
C409	87-A10-516-080		C-CAP,S 100P-200 J CH
C410	87-010-805-080		CAP, S 1-16<EXCEPT 30HC,30EZ,25>
C411	87-010-805-080		CAP, S 1-16
C412	87-010-402-080		CAP, ELECT 2.2-50V
C413	87-010-196-080		CHIP CAPACITOR,0.1-25
C414	87-010-178-080		CHIP CAP 1000P
C485	87-010-186-080		CAP,CHIP 4700P
C491	87-012-368-080		C-CAP,S 0.1-50 F
C492	87-012-368-080		C-CAP,S 0.1-50 F
C493	87-010-191-080		C-CAP,S 0.015-50 F<70EZ,50EZ,30EZ>
C493	87-010-190-080		S CHIP F 0.01 <EXCEPT 70EZ,50EZ,30EZ>
C494	87-012-368-080		C-CAP,S 0.1-50 F<70EZ,50EZ,30EZ>
C501	87-010-404-080		CAP, ELECT 4.7-50V
C502	87-010-404-080		CAP, ELECT 4.7-50V
C503	87-012-157-080		C-CAP,S 330P-50 CH
C504	87-012-157-080		C-CAP,S 330P-50 CH
C511	87-010-404-080		CAP, ELECT 4.7-50V
C512	87-010-404-080		CAP, ELECT 4.7-50V
C513	87-010-260-080		CAP, ELECT 47-25V
C514	87-010-260-080		CAP, ELECT 47-25V
C515	87-010-370-080		CAP,E 330-6.3 SME
C516	87-010-370-080		CAP,E 330-6.3 SME
C517	87-010-196-080		CHIP CAPACITOR,0.1-25
C518	87-010-196-080		CHIP CAPACITOR,0.1-25
C519	87-010-196-080		CHIP CAPACITOR,0.1-25
C531	87-010-213-080		C-CAP,S 0.015-50 B
C532	87-010-992-080		C-CAP,S 0.047-25 B
C533	87-015-785-080		CHIP CAPACITOR, 0.1FZ-25Z
C535	87-010-404-080		CAP, ELECT 4.7-50V
C536	87-010-404-080		CAP, ELECT 4.7-50V
C539	87-010-401-080		CAP, ELECT 1-50V
C540	87-010-401-080		CAP, ELECT 1-50V
C541	87-010-185-080		C-CAP,S 3900P-50 B
C542	87-010-185-080		C-CAP,S 3900P-50 B
C547	87-010-404-080		CAP, ELECT 4.7-50V
C548	87-010-404-080		CAP, ELECT 4.7-50V
C549	87-016-081-080		C-CAP,S 0.1-16 RK
C550	87-016-081-080		C-CAP,S 0.1-16 RK
C554	87-010-196-080		CHIP CAPACITOR,0.1-25
C555	87-010-405-080		CAP, ELECT 10-50V
C556	87-010-221-080		CAP, ELECT 470-10V
C557	87-010-263-080		CAP, ELECT 100-10V
C558	87-010-194-080		CAP, CHIP 0.047<50HC,30HC>
C559	87-010-183-080		C-CAP,S 2700P-50 B
C561	87-012-140-080		CAP 470P
C562	87-012-140-080		CAP 470P

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C565	87-010-404-080		CAP, ELECT 4.7-50V
C566	87-010-404-080		CAP, ELECT 4.7-50V
C601	87-010-378-080		CAP, ELECT 10-16V
			<EXCEPT30HC,30EZ,25>
C602	87-010-378-080		CAP, ELECT 10-16V
			<EXCEPT30HC,30EZ,25>
C603	87-012-156-080		C-CAP,S 220P-50CH
			<EXCEPT30HC,30EZ,25>
C604	87-012-156-080		C-CAP,S 220P-50CH
			<EXCEPT30HC,30EZ,25>
C605	87-010-405-080		CAP, ELECT 10-50V
C606	87-010-405-080		CAP, ELECT 10-50V
C607	87-012-140-080		CAP 470P<EXCEPT 30HC,30EZ,25>
C608	87-012-140-080		CAP 470P<EXCEPT 30HC,30EZ,25>
C609	87-010-188-080		CAP,CHIP 6800P<EXCEPT 30HC,30EZ,25>
C610	87-010-188-080		CAP,CHIP 6800P<EXCEPT 30HC,30EZ,25>
C611	87-010-197-080		CAP, CHIP 0.01 DM
			<EXCEPT30HC,30EZ,25>
C612	87-010-195-080		C-CAP,S 0.068-25F
			<EXCEPT30HC,30EZ,25>
C613	87-010-195-080		C-CAP,S 0.068-25F
			<EXCEPT30HC,30EZ,25>
C614	87-010-197-080		CAP, CHIP 0.01 DM
			<EXCEPT30HC,30EZ,25>
C615	87-010-404-080		CAP, ELECT 4.750V
			<EXCEPT30HC,30EZ,25>
C616	87-010-404-080		CAP, ELECT 4.750V
			<EXCEPT30HC,30EZ,25>
C617	87-010-404-080		CAP, ELECT 4.750V
			<EXCEPT30HC,30EZ,25>
C618	87-010-404-080		CAP, ELECT 4.750V
			<EXCEPT30HC,30EZ,25>
C619	87-010-404-080		CAP, ELECT 4.750V
			<EXCEPT30HC,30EZ,25>
C620	87-010-101-080		CAP, ELECT 220-16
			<EXCEPT30HC,30EZ,25>
C621	87-010-260-080		CAP, ELECT 47-25V
			<EXCEPT30HC,30EZ,25>
C652	87-010-196-080		CHIP CAPACITOR,0.1-25
			<70HC,50HC,30HC>
C653	87-012-154-080		C-CAP,S 150P-50 CH<70HC,50HC,30HC>
C654	87-010-183-080		C-CAP,S 2700P-50 B<70HC,50HC,30HC>
C655	87-010-196-080		CHIP CAPACITOR,0.1-25
			<70HC,50HC,30HC>
C656	87-012-154-080		C-CAP,S 150P-50 CH<70HC,50HC,30HC>
C657	87-010-183-080		C-CAP,S 2700P-50 B<70HC,50HC,30HC>
C658	87-012-145-080		CAP, CHIP S 270P CH<70HC,50HC,30HC>
C659	87-010-177-080		C-CAP,S 820P-50 SL<70HC,50HC,30HC>
C660	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC>
C661	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC>
C670	87-012-145-080		CAP, CHIP S 270P CH<70HC,50HC,30HC>
C671	87-010-177-080		C-CAP,S 820P-50 SL<70HC,50HC,30HC>
C672	87-010-196-080		CHIP CAPACITOR,0.1-25
			<70HC,50HC,30HC>
C674	87-010-196-080		CHIP CAPACITOR,0.1-25
			<70HC,50HC,30HC>
C675	87-010-263-080		CAP, ELECT 100-10V<70HC,50HC,30HC>
C676	87-010-374-080		CAP, ELECT 47-10V<70HC,50HC,30HC>
C677	87-016-460-080		C-CAP,S 0.22-16 B<70HC,50HC,30HC>
C678	87-016-460-080		C-CAP,S 0.22-16 B<70HC,50HC,30HC>
C679	87-016-460-080		C-CAP,S 0.22-16 B<70HC,50HC,30HC>
C701	87-010-196-080		CHIP CAPACITOR,0.1-25
C702	87-010-196-080		CHIP CAPACITOR,0.1-25
C720	87-010-196-080		CHIP CAPACITOR,0.125
			<EXCEPT70HC,70EZ>
C721	87-010-401-080		CAP, ELECT 1-50V<EXCEPT 70HC,70EZ>
C722	87-010-260-080		CAP, ELECT 47-25V<EXCEPT 70HC,70EZ>
C723	87-010-401-080		CAP, ELECT 1-50V<EXCEPT 70HC,70EZ>
C724	87-010-196-080		CHIP CAPACITOR,0.125
			<EXCEPT70HC,70EZ>

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C725	87-010-401-080		CAP, ELECT 1-50V<EXCEPT 70HC,70EZ>
C726	87-010-401-080		CAP, ELECT 1-50V<EXCEPT 70HC,70EZ>
C745	87-012-368-080		C-CAP,S 0.1-50 F
C746	87-012-368-080		C-CAP,S 0.1-50 F<70EZ>
C750	87-010-196-080		CHIP CAPACITOR,0.125
			<EXCEPT70HC,70EZ>
C901	87-010-406-080		CAP, ELECT 22-50
C902	87-010-406-080		CAP, ELECT 22-50
C903	87-010-406-080		CAP, ELECT 22-50
C904	87-010-406-080		CAP, ELECT 22-50
C905	87-010-406-080		CAP, ELECT 22-50
C906	87-010-260-080		CAP, ELECT 47-25V
C907	87-010-196-080		CHIP CAPACITOR,0.1-25
C908	87-010-387-080		CAP,E 470-25 SME
C909	87-010-371-080		CAP, ELECT 470-6.3V
C910	87-010-371-080		CAP, ELECT 470-6.3V
C911	87-010-371-080		CAP, ELECT 470-6.3V
C912	87-015-785-080		CHIP CAPACITOR, 0.1FZ-25Z
C913	87-010-196-080		CHIP CAPACITOR,0.1-25
C914	87-010-196-080		CHIP CAPACITOR,0.1-25
C951	87-010-322-080		C-CAP,S 100P-50 CH<70EZ,50EZ,30EZ>
C952	87-010-322-080		C-CAP,S 100P-50 CH<70EZ,50EZ,30EZ>
C953	87-010-322-080		C-CAP,S 100P-50 CH<70EZ,50EZ,30EZ>
C954	87-010-322-080		C-CAP,S 100P-50 CH<70EZ,50EZ,30EZ>
CN501	87-A60-044-010		CONN,27P V 9604S-27C<50LH,25>
CN501	87-A60-552-010		CONN,34P V 9604S-34C
			<EXCEPT 50LH,25>
CN502	87-A60-059-010		CONN,08P V 9604S-08C<70HC,70EZ>
CN503	87-A60-057-010		CONN,11P V 9604S-11C
CN504	87-099-568-010		CONN,11P TUC-P11P-B1
			<EXCEPT70HC,70EZ>
CN504	87-099-572-010		CONN,15P TUC-P15P-B1<70HC,70EZ>
CN505	87-099-570-010		CONN,13P TUC-P13P-B1
			<EXCEPT70HC,70EZ>
CN505	87-099-572-010		CONN,15P TUC-P15P-B1<70HC,70EZ>
CN506	87-A60-063-010		CONN,04P V 9604S-04C
			<70EZ,50EZ,30EZ>
CN901	87-009-030-010		CONNECTOR 2P PH M
CNA102	88-AR1-661-010		CONN ASSY,5P
FFC101	88-AR1-642-010		F-CABLE,9P -2.5
FFC501	88-AR1-644-010		FF-CABLE, 27P 1.25 400MM<50LH,25>
FFC501	88-AR1-645-010		FF-CABLE, 34P 1.25 400MM
			<EXCEPT 50LH,25>
FFC502	88-AR1-646-010		FF-CABLE, 8P 1.25 340MM<70HC,70EZ>
FFC503	88-911-161-110		FF-CABLE,11P 1.25
FFC506	88-904-181-110		FF-CABLE,4P 1.25<70EZ,50EZ,30EZ>
J201	87-A60-199-010		TERMINAL,SP 8P CJ-9034-07 V0
J301	87-A60-200-110		TERMINAL,SP 6P CJ-9033
J501	87-099-609-010		JACK,PIN 4P KM EARTH
J502	87-099-609-010		JACK,PIN 4P KM EARTH
J715	87-A60-244-010		JACK,PIN 1P BLK
J750	87-A60-660-010		JACK,PIN 6P W/R,W/R, B/O(G)
			<EXCEPT 70HC,70EZ>
J901	87-099-911-010		JACK,PIN 3P YEL
J902	87-099-912-010		JACK,PIN 3P YEL W/E
J903	87-099-911-010		JACK,PIN 3P YEL
J904	87-099-911-010		JACK,PIN 3P YEL
J905	87-099-911-010		JACK,PIN 3P YEL
L291	87-003-383-010		COIL,1UH-S
L292	87-003-383-010		COIL,1UH-S
L293	87-003-383-010		COIL,1UH-S
L294	87-003-383-010		COIL,1UH-S
L391	87-003-383-010		COIL,1UH-S
L392	87-003-383-010		COIL,1UH-S
L491	87-003-383-010		COIL,1UH-S
L501	87-A50-091-080		COIL 220UH (CECS)<70EZ,50EZ,30EZ>
L502	87-A50-091-080		COIL 220UH (CECS)<70EZ,50EZ,30EZ>
L901	87-003-152-080		COIL, 100UH
PIN501	86-NFZ-222-010		PIN,DIA1-6.5<70HC,70EZ>
⚠ PR101	87-026-691-080		FUSE,10A 125V 251<25>

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
⚠PR101	87-026-682-080		PROTECTOR,10A 60V491<EXCEPT 25>
⚠PR104	87-026-691-080		FUSE,10A 125V 251<25>
⚠PR104	87-026-682-080		PROTECTOR,10A 60V491<EXCEPT 25>
⚠PR107	87-026-682-080		PROTECTOR,10A 60V491
			<EXCEPT 30HC,30EZ,25>
⚠PR108	87-026-682-080		PROTECTOR,10A 60V491
			<EXCEPT 30HC,30EZ,25>
⚠PR115	87-A90-195-080		PROTECTOR 7A 125V 49
			<EXCEPT 30HC,30EZ,25>
⚠PR116	87-A90-195-080		PROTECTOR 7A 125V 49
			<EXCEPT 30HC,30EZ,25>
⚠PR201	87-026-691-080		FUSE,10A 125V 251<25>
⚠PR201	87-026-682-080		PROTECTOR,10A 60V491<EXCEPT 25>
⚠PR202	87-026-691-080		FUSE,10A 125V 251<25>
⚠PR202	87-026-682-080		PROTECTOR,10A 60V491<EXCEPT 25>
⚠PR301	87-026-682-080		PROTECTOR,10A 60V491<EXCEPT 25>
⚠PR302	87-026-682-080		PROTECTOR,10A 60V491<EXCEPT 25>
⚠PR303	87-026-690-080		FUSE,5A 125V 251<25>
⚠PR304	87-026-690-080		FUSE,5A 125V 251<25>
⚠PR401	87-026-691-080		FUSE,10A 125V 251<25>
⚠PR401	87-026-682-080		PROTECTOR,10A 60V491<EXCEPT 25>
⚠PR402	87-026-691-080		FUSE,10A 125V 251<25>
⚠PR402	87-026-682-080		PROTECTOR,10A 60V491<EXCEPT 25>
⚠R109	87-029-060-080		RES,FUSE 33-1/4 W
R143	87-A00-261-080		RES,M/F 0.56-1W J<25>
R176	87-A00-401-050		RES,M/F 390-1W J VTP
R179	87-A00-402-050		RES,M/F 560-1W J VTP
R180	87-A00-403-080		RES,M/F 560-1W J T52L25.5
R231	87-A00-262-080		RES,M/F 0.15-2W J<30HC,30EZ,25>
R231	87-A00-418-010		RES,M/F 0.15-3W J
			<EXCEPT 30HC,30EZ,25>
R232	87-A00-262-080		RES,M/F 0.15-2W J<30HC,30EZ,25>
R232	87-A00-418-010		RES,M/F 0.15-3W J
			<EXCEPT 30HC,30EZ,25>
R233	87-A00-262-080		RES,M/F 0.15-2W J<30HC,30EZ,25>
R233	87-A00-418-010		RES,M/F 0.15-3W J
			<EXCEPT 30HC,30EZ,25>
R234	87-A00-262-080		RES,M/F 0.15-2W J<30HC,30EZ,25>
R234	87-A00-418-010		RES,M/F 0.15-3W J
			<EXCEPT 30HC,30EZ,25>
R281	87-A00-126-080		RES M/F 220-1/WJ VIP
			<EXCEPT 30HC,30EZ,25>
R281	87-A00-373-050		RES,M/F 270-1W J VTP<30HC,30EZ,25>
R282	87-A00-126-080		RES M/F 220-1/WJ VIP
			<EXCEPT 30HC,30EZ,25>
R282	87-A00-373-050		RES,M/F 270-1W J VTP<30HC,30EZ,25>
R283	87-A00-126-080		RES M/F 220-1/WJ VIP
			<EXCEPT 30HC,30EZ,25>
R283	87-A00-373-050		RES,M/F 270-1W J VTP<30HC,30EZ,25>
R284	87-A00-126-080		RES M/F 220-1/WJ VIP
			<EXCEPT 30HC,30EZ,25>
R284	87-A00-373-050		RES,M/F 270-1W J VTP<30HC,30EZ,25>
R331	87-A00-257-080		RES,M/F 0.15-1W J
R332	87-A00-257-080		RES,M/F 0.15-1W J
R333	87-A00-257-080		RES,M/F 0.15-1W J
R334	87-A00-257-080		RES,M/F 0.15-1W J
R416	87-A00-262-080		RES,M/F 0.15-2W J<30HC,30EZ,25>
R416	87-A00-418-010		RES,M/F 0.15-3W J
			<EXCEPT 30HC,30EZ,25>
R417	87-A00-262-080		RES,M/F 0.15-2W J<30HC,30EZ,25>
R417	87-A00-418-010		RES,M/F 0.15-3W J
			<EXCEPT 30HC,30EZ,25>
RY101	87-A90-454-010		RELAY,12V DJ12D2-O(M)
RY102	87-A90-454-010		RELAY,12V DJ12D2-O(M)
			<EXCEPT 30HC,30EZ,25>
S101	86-SP8-611-010		SW,SL 1-1-2<EXCEPT 30HC,30EZ,25>
S291	87-A90-174-010		SW,PUSH 2-2-2
S292	87-A90-174-010		SW,PUSH 2-2-2
TH201	87-A90-221-080		C-THMS,100K<EXCEPT 50LH,25>
TH202	87-A90-221-080		C-THMS,100K<EXCEPT 50LH,25>
TH301	87-A90-221-080		C-THMS,100K<EXCEPT 50LH,25>
TH302	87-A90-221-080		C-THMS,100K<EXCEPT 50LH,25>
TH401	87-A90-221-080		C-THMS,100K<EXCEPT 50LH,25>
WH101	87-A90-510-010		HLDR,WIRE 2.5-9P
FRONT C.B			
C103	87-010-196-080		CHIP CAPACITOR,0.1-25
C104	87-010-178-080		CHIP CAP 1000P
C105	87-012-156-080		C-CAP,S 220P-50 CH
C106	87-010-196-080		CHIP CAPACITOR,0.1-25
C107	87-010-316-080		C-CAP,S 33P-50 CH
C108	87-010-318-080		C-CAP,S 47P-50 CH
C109	87-010-312-080		C-CAP,S 15P-50 CH
C110	87-010-198-080		CAP, CHIP 0.022
C111	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,50HC,30HC>
C112	87-010-196-080		CHIP CAPACITOR,0.1-25
C113	87-010-178-080		CHIP CAP 1000P
C114	87-010-196-080		CHIP CAPACITOR,0.1-25
C115	87-010-196-080		CHIP CAPACITOR,0.1-25
C116	87-015-695-040		E/CAP 1UF 50V TAPG
C117	87-A10-189-040		CAP,E 220-10
C118	87-010-196-080		CHIP CAPACITOR,0.1-25
C119	87-010-264-040		CAP,E 100-10 5L
C120	87-012-368-080		C-CAP,S 0.1-50 F
C121	87-010-408-040		CAP,E 47-50 SME
C122	87-015-699-040		CAP,E 10-50 7L
C123	87-015-699-040		CAP,E 10-50 7L
C126	87-015-699-040		CAP,E 10-50 7L
C127	87-015-695-040		E/CAP 1UF 50V TAPG
C136	87-012-157-080		C-CAP,S 330P-50 CH
C137	87-012-157-080		C-CAP,S 330P-50 CH
C138	87-012-157-080		C-CAP,S 330P-50 CH
C139	87-012-157-080		C-CAP,S 330P-50 CH
C140	87-012-157-080		C-CAP,S 330P-50 CH
C141	87-012-157-080		C-CAP,S 330P-50 CH
C142	87-012-157-080		C-CAP,S 330P-50 CH
C143	87-012-157-080		C-CAP,S 330P-50 CH
C144	87-012-157-080		C-CAP,S 330P-50 CH
C150	87-012-368-080		C-CAP,S 0.1-50 F
C155	87-012-368-080		C-CAP,S 0.1-50 F<EXCEPT 25>
C155	87-010-196-080		CHIP CAPACITOR,0.1-25<25>
C350	87-016-526-080		C-CAP,S 0.47-16 BK
C351	87-016-526-080		C-CAP,S 0.47-16 BK
C352	87-016-526-080		C-CAP,S 0.47-16 BK
C353	87-016-526-080		C-CAP,S 0.47-16 BK
C380	87-010-178-080		CHIP CAP 1000P<70HC,50HC,30HC>
C381	87-010-186-080		CAP,CHIP 4700P
CN101	87-A60-044-010		CONN,27P V 9604S-27C<50LH,25>
CN101	87-A60-552-010		CONN,34P V 9604S-34C<EXCEPT 50LH,25>
CN102	87-A60-059-010		CONN,08P V 9604S-08C<70HC,70EZ>
CN103	87-A60-076-010		CONN,12P H 9604S-12F
			<EXCEPT 70HC,50HC,30HC>
CN103	87-099-757-010		CONN,16P 9604S F<70HC,50HC,30HC>
FFC103	88-912-061-110		FF-CABLE, 12P 1.25
			<EXCEPT 70HC,50HC,30HC>
FFC103	88-916-061-110		FF-CABLE, 16P 1.25<70HC,50HC,30HC>
FL101	88-AR1-641-010		FL,9-MT166-GK
LED350	87-A40-317-080		LED,SLR-342VCT31 RED
LED351	87-A40-317-080		LED,SLR-342VCT31 RED
LED352	87-A40-317-080		LED,SLR-342VCT31 RED
LED353	87-A40-317-080		LED,SLR-342VCT31 RED
LED354	87-A40-317-080		LED,SLR-342VCT31 RED
LED355	87-A40-317-080		LED,SLR-342VCT31 RED
LED356	87-A40-317-080		LED,SLR-342VCT31 RED
LED357	87-A40-317-080		LED,SLR-342VCT31 RED
LED358	87-A40-380-080		LED,SEL6510C-TP5 GRN
LED359	87-A40-380-080		LED,SEL6510C-TP5 GRN
LED360	87-A40-380-080		LED,SEL6510C-TP5 GRN
LED361	87-A40-380-080		LED,SEL6510C-TP5 GRN

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
LED362	87-A40-380-080		LED,SEL6510C-TP5 GRN
LED363	87-A40-380-080		LED,SEL6510C-TP5 GRN
LED364	87-A40-380-080		LED,SEL6510C-TP5 GRN
LED365	87-A40-380-080		LED,SEL6510C-TP5 GRN
S401	87-A90-095-080		SW,TACT EVQ11G04M
S402	87-A90-095-080		SW,TACT EVQ11G04M
S403	87-A90-095-080		SW,TACT EVQ11G04M
S404	87-A90-095-080		SW,TACT EVQ11G04M
S405	87-A90-095-080		SW,TACT EVQ11G04M
S406	87-A90-095-080		SW,TACT EVQ11G04M
S407	87-A90-095-080		SW,TACT EVQ11G04M
S408	87-A90-095-080		SW,TACT EVQ11G04M
S409	87-A90-095-080		SW,TACT EVQ11G04M
S410	87-A90-095-080		SW,TACT EVQ11G04M
S411	87-A90-095-080		SW,TACT EVQ11G04M
S412	87-A90-095-080		SW,TACT EVQ11G04M
S413	87-A90-095-080		SW,TACT EVQ11G04M
S414	87-A90-095-080		SW,TACT EVQ11G04M
S421	87-A90-095-080		SW,TACT EVQ11G04M
S422	87-A90-095-080		SW,TACT EVQ11G04M
S423	87-A90-095-080		SW,TACT EVQ11G04M
S424	87-A90-095-080		SW,TACT EVQ11G04M
S425	87-A90-095-080		SW,TACT EVQ11G04M
S426	87-A90-095-080		SW,TACT EVQ11G04M
S427	87-A90-095-080		SW,TACT EVQ11G04M
S428	87-A90-095-080		SW,TACT EVQ11G04M
S429	87-A90-095-080		SW,TACT EVQ11G04M
S430	87-A90-095-080		SW,TACT EVQ11G04M
S433	87-A90-095-080		SW,TACT EVQ11G04M<70HC,50HC,30HC>
S434	87-A90-095-080		SW,TACT EVQ11G04M<70HC,50HC,30HC>
S441	87-A90-095-080		SW,TACT EVQ11G04M
S442	87-A90-095-080		SW,TACT EVQ11G04M
S443	87-A90-095-080		SW,TACT EVQ11G04M
S444	87-A90-095-080		SW,TACT EVQ11G04M
S445	87-A90-095-080		SW,TACT EVQ11G04M
S446	87-A90-095-080		SW,TACT EVQ11G04M
S447	87-A90-095-080		SW,TACT EVQ11G04M
S449	87-A90-095-080		SW,TACT EVQ11G04M
S450	87-A90-095-080		SW,TACT EVQ11G04M
S451	87-A90-095-080		SW,TACT EVQ11G04M
S452	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT 50LH,25>
S453	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT 50LH,25>
S454	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT 50LH,25>
SW101	87-A90-535-010		SW,RTRY EC16B24304
X101	87-A70-075-080		VIB,CER 4.19MHZ CRHF
SW C.B			
C603	87-010-560-040		CAP,E 10-50 GAS<70HC,50HC,30HC>
C604	87-A10-189-040		CAP,E 220-10<70HC,50HC,30HC>
C605	87-010-491-040		CAP,E 0.22-50 GAS<70HC,50HC,30HC>
C606	87-010-322-080		C-CAP,S 100P-50 CH<70HC,50HC,30HC>
C607	87-010-321-080		CHIP CAPACITOR,82P(J)
			<70HC,50HC,30HC>
C608	87-010-196-080		CHIP CAPACITOR,0.1-25
			<70HC,50HC,30HC>
C609	87-010-186-080		CAP,CHIP 4700P<70HC,50HC,30HC>
C610	87-010-188-080		CAP,CHIP 6800P<70HC,50HC,30HC>
C611	87-010-322-080		C-CAP,S 100P-50 CH<70HC,50HC,30HC>
C612	87-010-177-080		C-CAP,S 820P-50 SL<70HC,50HC,30HC>
C613	87-010-560-040		CAP,E 10-50 GAS<70HC,50HC,30HC>
C614	87-010-552-040		CAP,E 22-16 GAS<70HC,50HC,30HC>
CN104	87-A60-076-010		CONN,12P H 9604S-12F
			<EXCEPT 70HC,50HC,30HC>
CN104	87-099-757-010		CONN,16P 9604S F<70HC,50HC,30HC>
S431	87-A90-095-080		SW,TACT EVQ11G04M
S432	87-A90-095-080		SW,TACT EVQ11G04M
S448	87-A90-095-080		SW,TACT EVQ11G04M
JACK C.B			
C501	87-018-209-080		CAP, CER 0.1-50V
C502	87-018-209-080		CAP, CER 0.1-50V
C503	87-018-209-080		CAP, CER 0.1-50V
C504	87-010-188-080		CAP,CHIP 6800P
C505	87-010-188-080		CAP,CHIP 6800P
C601	87-010-196-080		CHIP CAPACITOR,0.1-25
			<70HC,50HC,30HC>
C602	87-018-209-080		CAP, CER 0.1-50V
C651	87-010-178-080		CHIP CAP 1000P<70EZ,50EZ,30EZ>
C652	87-010-178-080		CHIP CAP 1000P<70EZ,50EZ,30EZ>
FB501	87-008-372-080		FILTER, EMI BL OIRNI
FB601	87-008-372-080		FILTER, EMI BL OIRNI
			<70HC,50HC,30HC>
FB602	87-008-372-080		FILTER, EMI BL OIRNI
J501	87-A60-606-010		JACK,PIN 3P R/W/Y W/O SW H
J601	87-A60-188-010		JACK,6.3 BLK MONO W/SW MIC
			<70HC,50HC,30HC>
J602	87-A60-188-010		JACK,6.3 BLK MONO W/SW MIC
			<70HC,50HC,30HC>
J603	87-A60-550-010		JACK,DIA6.3 BLK ST W/SW KM
TUNER C.B			
C701	87-010-260-080		CAP, ELECT 47-25V
C702	87-010-404-080		CAP, ELECT 4.7-50V
C703	87-012-286-080		CAP, U 0.01-25
C704	87-012-286-080		CAP, U 0.01-25
C709	87-012-195-080		C-CAP,U 100P-50CH
C711	87-010-263-080		CAP, ELECT 100-10V
C712	87-010-196-080		CHIP CAPACITOR,0.1-25
C713	87-012-286-080		CAP, U 0.01-25
C714	87-012-286-080		CAP, U 0.01-25
C715	87-012-195-080		C-CAP,U 100P-50CH<70EZ,50EZ,30EZ>
C717	87-012-286-080		CAP, U 0.01-25
C719	87-012-286-080		CAP, U 0.01-25
C720	87-012-195-080		C-CAP,U 100P-50CH<70EZ,50EZ,30EZ>
C721	87-012-176-080		CAP 15P
C722	87-012-176-080		CAP 15P
C723	87-012-274-080		CHIP CAP,U 1000P-50B
C725	87-012-274-080		CHIP CAP,U 1000P-50B
C727	87-010-196-080		CHIP CAPACITOR,0.1-25
C728	87-010-248-080		CAP, ELECT 220-10V
C753	87-012-195-080		C-CAP,U 100P-50CH<70EZ,50EZ,30EZ>
C755	87-012-286-080		CAP, U 0.01-25
C756	87-012-286-080		CAP, U 0.01-25
C757	87-012-188-080		C-CAP,U 47P-50 CH
C758	87-012-167-080		C-CAP,U 5P-50 CH
C761	87-010-196-080		CHIP CAPACITOR,0.1-25
C762	87-012-286-080		CAP, U 0.01-25<70EZ,50EZ,30EZ>
C763	87-010-829-080		CAP, U 0.047-16
C764	87-012-337-080		C-CAP,U 56P-50 CH
			<EXCEPT 70EZ,50EZ,30EZ>
C765	87-012-286-080		CAP, U 0.01-25
C766	87-012-286-080		CAP, U 0.01-25
C768	87-012-286-080		CAP, U 0.01-25<70EZ,50EZ,30EZ>
C769	87-010-260-080		CAP, ELECT 47-25V
C770	87-010-829-080		CAP, U 0.047-16
C771	87-010-383-080		CAP, ELECT 33-25V
C772	87-010-829-080		CAP, U 0.047-16
C773	87-015-785-080		CHIP CAPACITOR, 0.1FZ-25Z
			<70EZ,50EZ,30EZ>
C773	87-010-196-080		CHIP CAPACITOR,0.1-25
			<EXCEPT 70EZ,50EZ,30EZ>
C774	87-010-263-080		CAP, ELECT 100-10V
C775	87-010-404-080		CAP, ELECT 4.7-50V
C776	87-012-286-080		CAP, U 0.01-25
C777	87-010-400-080		CAP, ELECT 0.47-50V
C778	87-010-401-080		CAP, ELECT 1-50V
C779	87-010-401-080		CAP, ELECT 1-50V
C780	87-010-196-080		CHIP CAPACITOR,0.1-25

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C781	87-010-405-080		CAP, ELECT 10-50V
C782	87-010-405-080		CAP, ELECT 10-50V
C783	87-012-286-080		CAP, U 0.01-25
C784	87-012-286-080		CAP, U 0.01-25
C785	87-010-805-080		CAP, S 1-16
C786	87-010-805-080		CAP, S 1-16
C787	87-012-280-080		CAP, U 3300P-50
			<EXCEPT 70EZ,50EZ,30EZ>
C787	87-012-282-080		CAP, U 4700P-50<70EZ,50EZ,30EZ>
C788	87-012-280-080		CAP, U 3300P-50
			<EXCEPT 70EZ,50EZ,30EZ>
C788	87-012-282-080		CAP, U 4700P-50<70EZ,50EZ,30EZ>
C789	87-012-275-080		C-CAP,U 1200P-50 B
C790	87-012-275-080		C-CAP,U 1200P-50 B
C791	87-010-405-080		CAP, ELECT 10-50V
C793	87-012-273-080		C-CAP,U 820P-50 B
			<EXCEPT 70EZ,50EZ,30EZ>
C793	87-012-276-080		CAP, CHIP SS 1500P BK<70EZ,50EZ,30EZ>
C794	87-010-406-080		CAP, ELECT 22-50
C795	87-010-596-080		CAP, S 0.047-16
			<EXCEPT 70EZ,50EZ,30EZ>
C795	87-010-829-080		CAP, U 0.047-16<70EZ,50EZ,30EZ>
C796	87-010-403-080		CAP, ELECT 3.3-50V
C797	87-012-278-080		C-CAP,U 2200P-50 B<50LH,25>
C797	87-012-276-080		CAP, CHIP SS 1500P BK<EXCEPT 50LH,25>
C798	87-012-278-080		C-CAP,U 2200P-50 B<50LH,25>
C798	87-012-276-080		CAP, CHIP SS 1500P BK<EXCEPT 50LH,25>
C799	87-010-829-080		CAP, U 0.047-16
C812	87-012-286-080		CAP, U 0.01-25
C813	87-010-197-080		CAP, CHIP 0.01 DM
			<EXCEPT 70EZ,50EZ,30EZ>
C814	87-012-286-080		CAP, U 0.01-25
C818	87-010-197-080		CAP, CHIP 0.01 DM<70EZ,50EZ,30EZ>
C819	87-010-197-080		CAP, CHIP 0.01 DM
			<EXCEPT 70EZ,50EZ,30EZ>
C820	87-010-260-080		CAP, ELECT 47-25V
C821	87-012-286-080		CAP, U 0.01-25
C822	87-012-286-080		CAP, U 0.01-25
C823	87-012-286-080		CAP, U 0.01-25
C828	87-010-196-080		CHIP CAPACITOR,0.1-25
C829	87-010-196-080		CHIP CAPACITOR,0.1-25
C859	87-012-286-080		CAP, U 0.01-25<70EZ,50EZ,30EZ>
C861	87-012-199-080		CAP 220P<70EZ,50EZ,30EZ>
C862	87-012-199-080		CAP 220P<70EZ,50EZ,30EZ>
C863	87-012-270-080		CAP, U 470P-50<70EZ,50EZ,30EZ>
C864	87-010-405-080		CAP, ELECT 10-50V<70EZ,50EZ,30EZ>
C865	87-010-196-080		CHIP CAPACITOR,0.1-25<70EZ,50EZ,30EZ>
C866	87-010-405-080		CAP, ELECT 10-50V<70EZ,50EZ,30EZ>
C867	87-012-286-080		CAP, U 0.01-25<70EZ,50EZ,30EZ>
C868	87-012-184-080		C-CAP,U 33P-50 CH<70EZ,50EZ,30EZ>
C869	87-012-180-080		C-CAP,U 22P-50 CH<70EZ,50EZ,30EZ>
C940	87-012-286-080		CAP, U 0.01-25<70EZ,50EZ,30EZ>
C942	87-012-172-080		CAPACITOR CHIP U 10P CH
			<70EZ,50EZ,30EZ>
C947	87-012-286-080		CAP, U 0.01-25<70EZ,50EZ,30EZ>
C949	87-A10-039-080		C-CAP,U 470P-50 J CH<70EZ,50EZ,30EZ>
C952	87-012-286-080		CAP, U 0.01-25<70EZ,50EZ,30EZ>
C958	87-012-286-080		CAP, U 0.01-25<70EZ,50EZ,30EZ>
C959	87-010-196-080		CHIP CAPACITOR,0.1-25
C960	87-010-196-080		CHIP CAPACITOR,0.1-25
C961	87-012-170-080		C-CAP,U 8P-50 CH
			<EXCEPT 70EZ,50EZ,30EZ>
C962	87-010-401-080		CAP, ELECT 1-50V<70EZ,50EZ,30EZ>
CF801	87-008-423-010		CERAMIC FILTER, SFE10.7
			<70EZ,50EZ,30EZ>
CF801	87-008-261-010		FILTER, SFE10.7MA5-A
			<EXCEPT 70EZ,50EZ,30EZ>
CF802	82-785-747-010		CF MS2 GHY R<70EZ,50EZ,30EZ>
CF802	87-008-261-010		FILTER, SFE10.7MA5-A
			<EXCEPT 70EZ,50EZ,30EZ>

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
CN601	87-099-028-010		CONN,11P 6216 H
CN602	87-099-211-010		CONN,4P 6216V<70EZ,50EZ,30EZ>
FFE801	A8-6ZA-191-130		6ZA-1 FEENM<70EZ,50EZ,30EZ>
FFE801	A8-8ZA-190-030		8ZA-1 FEUNM<EXCEPT 70EZ,50EZ,30EZ>
J801	87-A60-657-010		TERMINAL,4P HSP-154V5-02
			<EXCEPT 70EZ,50EZ,30EZ>
J802	87-033-241-010		TERMINAL,ANT AJ-2039<70EZ,50EZ,30EZ>
L771	87-A50-266-010		COIL,FM DET-2N(TOK)
L772	87-A90-733-010		FLTR,PCFAZH-450 (TOK)
L781	87-005-847-080		COIL,2.2UH(CECS)
L791	87-A50-027-010		COIL,1 POLE MPX(TOK)<EXCEPT 50LH,25>
L791	87-A50-209-010		COIL,1POLE MPX(MIT)<50LH,25>
L792	87-A50-027-010		COIL,1 POLE MPX(TOK)<EXCEPT 50LH,25>
L792	87-A50-209-010		COIL,1POLE MPX(MIT)<50LH,25>
L832	87-005-847-080		COIL,2.2UH(CECS)
L851	87-005-847-080		COIL,2.2UH(CECS)<70EZ,50EZ,30EZ>
L941	87-A50-020-010		COIL,ANT LW(COI)<70EZ,50EZ,30EZ>
L942	87-A50-019-010		COIL,OSC LW(COI)<70EZ,50EZ,30EZ>
L981	87-NF4-650-010		COIL,AM PACK 4N(TOK)
			<EXCEPT 70EZ,50EZ,30EZ>
L981	87-NF4-651-010		COIL,AM PACK2N(TOM)<70EZ,50EZ,30EZ>
TC942	87-011-164-010		CAPACITOR,TRIMMER 30P<70EZ,50EZ,30EZ>
X721	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309
X851	87-A70-091-010		VIB,XTAL 4.332MHZ CSA-309
			<70EZ,50EZ,30EZ>
PROLOGIC C.B			
C750	87-010-196-080		CHIP CAPACITOR,0.1-25
			<EXCEPT 70HC,70EZ>
C751	87-010-193-080		CHIP CAPACITOR,0.033
			<EXCEPT 70HC,70EZ>
C752	87-010-993-080		C-CAP,S 0.056-25 B
			<EXCEPT 70HC,70EZ>
C753	87-010-196-080		CHIP CAPACITOR,0.1-25
			<EXCEPT 70HC,70EZ>
C754	87-010-196-080		CHIP CAPACITOR,0.1-25
			<EXCEPT 70HC,70EZ>
C755	87-010-196-080		CHIP CAPACITOR,0.1-25
			<EXCEPT 70HC,70EZ>
C756	87-010-402-080		CAP, ELECT 2.2-50V<EXCEPT 70HC,70EZ>
C801	87-010-176-080		C-CAP,S 680P-50 SL<EXCEPT 70HC,70EZ>
C802	87-010-176-080		C-CAP,S 680P-50 SL<EXCEPT 70HC,70EZ>
C807	87-010-405-080		CAP, ELECT 10-50V<EXCEPT 70HC,70EZ>
C808	87-010-405-080		CAP, ELECT 10-50V<EXCEPT 70HC,70EZ>
C809	87-016-456-080		CAP,E 22-16 LLA<EXCEPT 70HC,70EZ>
C810	87-010-178-080		CHIP CAP 1000P<EXCEPT 70HC,70EZ>
C811	87-010-380-080		CAP, ELECT 47-16V<EXCEPT 70HC,70EZ>
C813	87-016-472-080		CAP,E 22-16 SME(K)<EXCEPT 70HC,70EZ>
C814	87-010-196-080		CHIP CAPACITOR,0.1-25
			<EXCEPT 70HC,70EZ>
C815	87-010-112-080		CAP, ELECT 100-16V<EXCEPT 70HC,70EZ>
C816	87-010-263-080		CAP, ELECT 100-10V<EXCEPT 70HC,70EZ>
C817	87-010-314-080		C-CAP,S 22P-50V<EXCEPT 70HC,70EZ>
C818	87-010-401-080		CAP, ELECT 1-50V<EXCEPT 70HC,70EZ>
C819	87-010-404-080		CAP, ELECT 4.7-50V<EXCEPT 70HC,70EZ>
C820	87-010-404-080		CAP, ELECT 4.7-50V<EXCEPT 70HC,70EZ>
C821	87-010-404-080		CAP, ELECT 4.7-50V<EXCEPT 70HC,70EZ>
C822	87-010-404-080		CAP, ELECT 4.7-50V<EXCEPT 70HC,70EZ>
C823	87-010-378-080		CAP, ELECT 10-16V<EXCEPT 70HC,70EZ>
C824	87-010-378-080		CAP, ELECT 10-16V<EXCEPT 70HC,70EZ>
C825	87-010-401-080		CAP, ELECT 1-50V<EXCEPT 70HC,70EZ>
C826	87-010-401-080		CAP, ELECT 1-50V<EXCEPT 70HC,70EZ>
C827	87-010-178-080		CHIP CAP 1000P<EXCEPT 70HC,70EZ>
C828	87-010-178-080		CHIP CAP 1000P<EXCEPT 70HC,70EZ>
C829	87-016-081-080		C-CAP,S 0.1-16 RK<EXCEPT 70HC,70EZ>
C830	87-010-248-080		CAP, ELECT 220-10V<EXCEPT 70HC,70EZ>
C831	87-012-140-080		CAP 470P<EXCEPT 70HC,70EZ>
C832	87-010-186-080		CAP,CHIP 4700P<EXCEPT 70HC,70EZ>

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C835	87-A10-229-080		C-CAP,S 0.68-10 K W5
			<EXCEPT 70HC,70EZ>
C836	87-010-186-080		CAP,CHIP 4700P<EXCEPT 70HC,70EZ>
C837	87-010-404-080		CAP, ELECT 4.7-50V<EXCEPT 70HC,70EZ>
C838	87-012-393-080		C-CAP,S 0.22-16 R K<EXCEPT 70HC,70EZ>
C839	87-012-393-080		C-CAP,S 0.22-16 R K<EXCEPT 70HC,70EZ>
C840	87-010-404-080		CAP, ELECT 4.7-50V<EXCEPT 70HC,70EZ>
C841	87-010-404-080		CAP, ELECT 4.7-50V<EXCEPT 70HC,70EZ>
C842	87-012-393-080		C-CAP,S 0.22-16 R K<EXCEPT 70HC,70EZ>
C843	87-012-393-080		C-CAP,S 0.22-16 R K<EXCEPT 70HC,70EZ>
C844	87-016-081-080		C-CAP,S 0.1-16 RK<EXCEPT 70HC,70EZ>
C847	87-016-081-080		C-CAP,S 0.1-16 RK<EXCEPT 70HC,70EZ>
C848	87-016-081-080		C-CAP,S 0.1-16 RK<EXCEPT 70HC,70EZ>
C851	87-016-081-080		C-CAP,S 0.1-16 RK<EXCEPT 70HC,70EZ>
C852	87-010-314-080		C-CAP,S 22P-50V<EXCEPT 70HC,70EZ>
C853	87-016-460-080		C-CAP,S 0.22-16 B<EXCEPT 70HC,70EZ>
C854	87-016-460-080		C-CAP,S 0.22-16 B<EXCEPT 70HC,70EZ>
C855	87-010-196-080		CHIP CAPACITOR,0.1-25
			<EXCEPT 70HC,70EZ>
C856	87-016-526-080		C-CAP,S 0.47-16 BK<EXCEPT 70HC,70EZ>
C857	87-010-183-080		C-CAP,S 2700P-50 B<EXCEPT 70HC,70EZ>
C858	87-010-176-080		C-CAP,S 680P-50 SL<EXCEPT 70HC,70EZ>
C859	87-016-552-080		C-CAP,S 0.082-16 B K
			<EXCEPT 70HC,70EZ>
C860	87-016-552-080		C-CAP,S 0.082-16 B K
			<EXCEPT 70HC,70EZ>
C861	87-010-183-080		C-CAP,S 2700P-50 B<EXCEPT 70HC,70EZ>
C862	87-010-176-080		C-CAP,S 680P-50 SL<EXCEPT 70HC,70EZ>
C863	87-A10-830-080		C-CAP,S 0.33-16 K<EXCEPT 70HC,70EZ>
C864	87-010-403-080		CAP, ELECT 3.3-50V<50HC,30HC>
C865	87-010-263-080		CAP, ELECT 100-10V<EXCEPT 70HC,70EZ>
C866	87-010-263-080		CAP, ELECT 100-10V<EXCEPT 70HC,70EZ>
C867	87-010-404-080		CAP, ELECT 4.7-50V<EXCEPT 70HC,70EZ>
C868	87-018-134-080		CAPACITOR,TC-U 0.01-16
			<EXCEPT 70HC,70EZ>
C869	87-010-196-080		CHIP CAPACITOR,0.1-25
			<EXCEPT 70HC,70EZ>
C870	87-010-314-080		C-CAP,S 22P-50V<EXCEPT 70HC,70EZ>
C871	87-010-378-080		CAP, ELECT 10-16V<EXCEPT 70HC,70EZ>
C891	87-010-322-080		C-CAP,S 100P-50 CH<50EZ,30EZ>
C892	87-010-322-080		C-CAP,S 100P-50 CH<50EZ,30EZ>
CN801	87-099-557-010		CONN,11P TUC-P11X-B1
			<EXCEPT 70HC,70EZ>
CN802	87-099-559-010		CONN,13P TUC-P13X-B1
			<EXCEPT 70HC,70EZ>
FB802	87-008-372-080		FILTER, EMI BL OIRNI
			<EXCEPT 70HC,70EZ>
R827	87-A00-296-080		C-RES,100K-1/8W F<EXCEPT 70HC,70EZ>

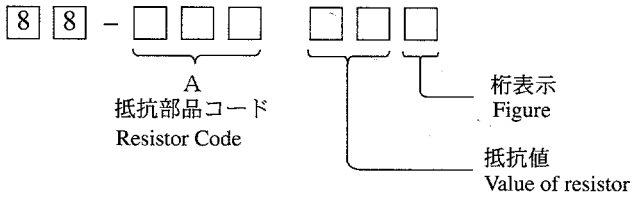
AC-3 C.B<70HC,70EZ>

C101	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C102	87-010-374-080		CAP, ELECT 47-10V<70HC,70EZ>
C103	87-010-314-080		C-CAP,S 22P-50V<70HC,70EZ>
C104	87-010-313-080		CAP, CHIP 18P<70HC,70EZ>
C105	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C106	87-010-197-080		CAP, CHIP 0.01 DM<70HC,70EZ>
C107	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C108	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C109	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C110	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C111	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C112	87-010-404-080		CAP, ELECT 4.7-50V<70HC,70EZ>
C113	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C114	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C115	87-010-374-080		CAP, ELECT 47-10V<70HC,70EZ>
C116	87-012-140-080		CAP 470P<70HC,70EZ>
C117	87-010-198-080		CAP, CHIP 0.022<70HC,70EZ>
C118	87-010-401-080		CAP, ELECT 1-50V<70HC,70EZ>
C119	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C120	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C121	87-010-401-080		CAP, ELECT 1-50V<70HC,70EZ>
C122	87-010-311-080		CAP 12P<70HC,70EZ>
C123	87-010-311-080		CAP 12P<70HC,70EZ>
C124	87-010-263-080		CAP, ELECT 100-10V<70HC,70EZ>
C125	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C126	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C127	87-010-555-040		CAP,E 100-10 GAS<70HC,70EZ>
C128	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C129	87-010-384-080		CAP, ELECT 100-25V<70HC,70EZ>
C131	87-010-263-080		CAP, ELECT 100-10V<70HC,70EZ>
C132	87-010-401-080		CAP, ELECT 1-50V<70HC,70EZ>
C133	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C134	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C135	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C136	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C137	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C138	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C139	87-010-314-080		C-CAP,S 22P-50V<70HC,70EZ>
C140	87-010-552-040		CAP,E 22-16 GAS<70HC,70EZ>
C141	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C142	87-010-182-080		C-CAP,S 2200P-50 B<70HC,70EZ>
C143	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C144	87-010-312-080		C-CAP,S 15P-50 CH<70HC,70EZ>
C145	87-012-154-080		C-CAP,S 150P-50 CH<70HC,70EZ>
C146	87-012-154-080		C-CAP,S 150P-50 CH<70HC,70EZ>
C147	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C148	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C149	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C150	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C151	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C152	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C153	87-010-178-080		CHIP CAP 1000P<70HC,70EZ>
C154	87-010-178-080		CHIP CAP 1000P<70HC,70EZ>
C155	87-A10-369-080		C-CAP,S 0.47-16 K B<70HC,70EZ>
C157	87-012-154-080		C-CAP,S 150P-50 CH<70HC,70EZ>
C158	87-012-154-080		C-CAP,S 150P-50 CH<70HC,70EZ>
C159	87-010-178-080		CHIP CAP 1000P<70HC,70EZ>
C160	87-010-178-080		CHIP CAP 1000P<70HC,70EZ>
C161	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C162	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C163	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C164	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C165	87-A10-369-080		C-CAP,S 0.47-16 K B<70HC,70EZ>
C166	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C167	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C169	87-012-154-080		C-CAP,S 150P-50 CH<70HC,70EZ>
C170	87-012-154-080		C-CAP,S 150P-50 CH<70HC,70EZ>
C171	87-010-178-080		CHIP CAP 1000P<70HC,70EZ>
C172	87-010-178-080		CHIP CAP 1000P<70HC,70EZ>
C173	87-018-209-080		CAP, CER 0.1-50V<70HC,70EZ>
C174	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C175	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C177	87-A10-369-080		C-CAP,S 0.47-16 K B<70HC,70EZ>
C178	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C179	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C180	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C181	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C182	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C183	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C184	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C185	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C186	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C187	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C188	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C189	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C190	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C191	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C192	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C193	87-010-154-080		CAP CHIP 10P<70HC,70EZ>

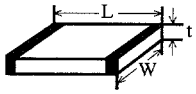
REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C194	87-010-154-080		CAP CHIP 10P<70HC,70EZ>
C195	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C196	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C197	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C198	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C199	87-A10-369-080		C-CAP,S 0.47-16 K B<70HC,70EZ>
C201	87-010-154-080		CAP CHIP 10P<70HC,70EZ>
C202	87-010-154-080		CAP CHIP 10P<70HC,70EZ>
C203	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C204	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C205	87-A10-369-080		C-CAP,S 0.47-16 K B<70HC,70EZ>
C206	87-010-401-080		CAP, ELECT 1-50V<70HC,70EZ>
C207	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C208	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C209	87-010-154-080		CAP CHIP 10P<70HC,70EZ>
C210	87-010-154-080		CAP CHIP 10P<70HC,70EZ>
C211	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C212	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C213	87-A10-369-080		C-CAP,S 0.47-16 K B<70HC,70EZ>
C214	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C215	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C216	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C219	87-010-993-080		C-CAP,S 0.056-25 B<70HC,70EZ>
C220	87-A10-369-080		C-CAP,S 0.47-16 K B<70HC,70EZ>
C222	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C224	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C225	87-012-155-080		C-CAP 180P-50CH<70HC>
C226	87-012-155-080		C-CAP 180P-50CH<70HC>
C227	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C228	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C230	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC>
C232	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC>
C234	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC>
C235	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC>
C236	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C237	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C238	87-010-314-080		C-CAP,S 22P-50V<70HC,70EZ>
C239	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C240	87-010-314-080		C-CAP,S 22P-50V<70HC,70EZ>
C241	87-010-405-080		CAP, ELECT 10-50V<70HC,70EZ>
C242	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C243	87-010-322-080		C-CAP,S 100P-50 CH<70HC,70EZ>
C244	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C250	87-018-131-080		CAP, CER 1000P-50V<70EZ>
C280	87-010-401-080		CAP, ELECT 1-50V<70HC,70EZ>
C301	87-012-393-080		C-CAP,S 0.22-16 R K<70HC,70EZ>
C302	87-012-393-080		C-CAP,S 0.22-16 R K<70HC,70EZ>
C303	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C304	87-012-393-080		C-CAP,S 0.22-16 R K<70HC,70EZ>
C305	87-010-184-080		CHIP CAPACITOR 3300P(K)<70HC,70EZ>
C306	87-010-183-080		C-CAP,S 2700P-50 B<70HC,70EZ>
C307	87-016-669-080		C-CAP,S 0.1-25 K B<70HC,70EZ>
C308	87-016-669-080		C-CAP,S 0.1-25 K B<70HC,70EZ>
C309	87-010-184-080		CHIP CAPACITOR 3300P(K)<70HC,70EZ>
C310	87-010-183-080		C-CAP,S 2700P-50 B<70HC,70EZ>
C311	87-012-393-080		C-CAP,S 0.22-16 R K<70HC,70EZ>
C312	87-010-374-080		CAP, ELECT 47-10V<70HC,70EZ>
C313	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C315	87-010-404-080		CAP, ELECT 4.7-50V<70HC,70EZ>
C316	87-010-404-080		CAP, ELECT 4.7-50V<70HC,70EZ>
C317	87-010-183-080		C-CAP,S 2700P-50 B<70HC,70EZ>
C318	87-010-183-080		C-CAP,S 2700P-50 B<70HC,70EZ>
C319	87-010-545-080		CAP, ELECT 0.22-50V<70HC,70EZ>
C320	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C321	87-010-263-080		CAP, ELECT 100-10V<70HC,70EZ>
C401	87-010-196-080		CHIP CAPACITOR,0.1-25<70HC,70EZ>
C402	87-010-404-080		CAP, ELECT 4.7-50V<70HC,70EZ>
C403	87-010-401-080		CAP, ELECT 1-50V<70HC,70EZ>
C404	87-018-131-080		CAP, CER 1000P-50V<70EZ>
CN101	87-099-561-010		CONN,15P TUC-P15X-B1<70HC,70EZ>
CN102	87-099-561-010		CONN,15P TUC-P15X-B1<70HC,70EZ>
FB102	87-008-372-080		FILTER, EMI BL OIRNI<70HC,70EZ>
FB103	87-008-372-080		FILTER, EMI BL OIRNI<70HC,70EZ>
FB104	87-008-372-080		FILTER, EMI BL OIRNI<70HC,70EZ>
FB105	87-008-372-080		FILTER, EMI BL OIRNI<70HC,70EZ>
FB106	87-008-372-080		FILTER, EMI BL OIRNI<70HC,70EZ>
FB107	87-008-474-080		F-BEAD,EMI BL02RN1<70HC,70EZ>
FB108	87-008-474-080		F-BEAD,EMI BL02RN1<70HC,70EZ>
FB109	87-008-474-080		F-BEAD,EMI BL02RN1<70HC,70EZ>
J101	87-A60-573-010		JACK,PIN 1P ORN<70HC,70EZ>
L102	87-A50-095-010		COIL,68UH RCR875D<70HC,70EZ>
L103	87-005-274-080		COIL,68UH K LAL03<70HC,70EZ>
L104	87-008-501-080		FLTR,DSS306-B101<70HC,70EZ>
L105	87-008-501-080		FLTR,DSS306-B101<70HC,70EZ>
L106	87-003-097-080		COIL,1UH<70HC,70EZ>
X101	87-A70-116-010		VIB,XTAL 10.00MHZ<70HC,70EZ>
X102	87-A70-115-010		VIB,XTAL 12.288MHZ<70HC,70EZ>
SUB C.B			
C101	87-015-681-080		CAP,E 10-16 7L
C103	87-015-681-080		CAP,E 10-16 7L
C104	87-012-368-080		C-CAP,S 0.1-50 F
C105	87-012-368-080		C-CAP,S 0.1-50 F
CN101	87-009-348-010		CONN,5P PH H
AC SW C.B<70HC,50HC,50LH,30HC>			
⚠ F101	87-035-368-010		FUSE, 4A 250V<30HC>
⚠ F101	87-035-370-010		FUSE, 6.3A 250V<70HC,50HC,50LH>
⚠ F102	87-035-368-010		FUSE, 4A 250V<30HC>
⚠ F102	87-035-370-010		FUSE, 6.3A 250V<70HC,50HC,50LH>
⚠ FC101	87-033-147-010		FUSE CLAMP<70HC,50HC,50LH,30HC>
⚠ FC102	87-033-147-010		FUSE CLAMP<70HC,50HC,50LH,30HC>
⚠ FC103	87-033-147-010		FUSE CLAMP<70HC,50HC,50LH,30HC>
⚠ FC104	87-033-147-010		FUSE CLAMP<70HC,50HC,50LH,30HC>
⚠ SW101	87-A90-165-010		SW,SL 1-2-3 SWS2301 <70HC,50HC,50LH,30HC>
⚠ T101	87-A60-317-010		TERMINAL, 1P MSC<70HC,50HC,50LH,30HC>
⚠ T102	87-A60-317-010		TERMINAL, 1P MSC<70HC,50HC,50LH,30HC>
POWER-1 C.B			
⚠ F101	87-035-370-010		FUSE, 6.3A 250V<70EZ,50EZ,30EZ>
⚠ F101	87-035-492-010		FUSE,6.3A 125V D UL<25>
⚠ FC1	87-A90-160-080		FUSE CLAMP,FC 51F<70EZ,50EZ,30EZ,25>
⚠ FC2	87-A90-160-080		FUSE CLAMP,FC 51F<70EZ,50EZ,30EZ,25>
⚠ T1	87-A60-317-010		TERMINAL, 1P MSC<70EZ,50EZ,30EZ,25>
⚠ T2	87-A60-317-010		TERMINAL, 1P MSC<70EZ,50EZ,30EZ,25>
POWER-2 C.B			
⚠ PR105	87-026-682-080		PROTECTOR,10A 60V491<30HC,30EZ,25>
⚠ PR106	87-026-682-080		PROTECTOR,10A 60V491<30HC,30EZ,25>
⚠ PT101	88-AR1-651-010		PT,8AR-1 (HR)<70HC,50HC>
⚠ PT101	88-AR1-652-010		PT,8AR-1 (EZ)<70EZ,50EZ>
⚠ PT101	88-AR2-605-010		PT,8AR-2 (LH)<50LH>
⚠ PT101	88-AR3-602-010		PT,8AR-3 (HR)<30HC>
⚠ PT101	88-AR3-603-010		PT,8AR-3 (EZ)<30EZ>
⚠ PT101	88-AR4-601-010		PT,8AR-4 (U)<25>

○ チップ抵抗部品コード / CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



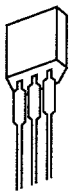
チップ抵抗
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法 / Diamensions (mm) 外形 / Form	L	W	t	抵抗コード : A Resistor Code : A
1/16W	1608	5%	CJ		1.6	0.8	0.45	108
1/10W	2125	5%	CJ		2	1.25	0.45	118
1/8W	3216	5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION

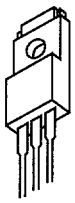
E C B

2SA965
2SA1296
CC5551
CSD1489
KTA1266
KTC3198



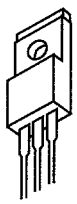
E C B

2SC4115



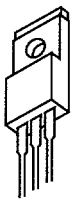
E C B

2SB1370



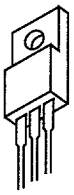
B C E

2SB1625
2SD2494
FN1016
FP1016



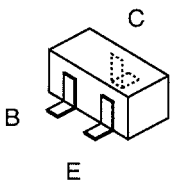
G D S

2SK2937

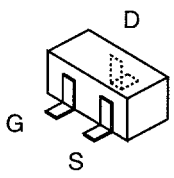


B C E

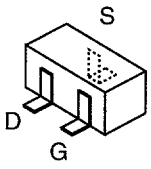
2SB1375



2SA1037
2SA1235
2SC2714
2SC3052
CMBT5401
CMBT5551
CSD1306
DTA144WK
DTC123JK
DTC124EK
RN1410
RTIN141C
RTIN144C
RTIP141C
RTIP144C

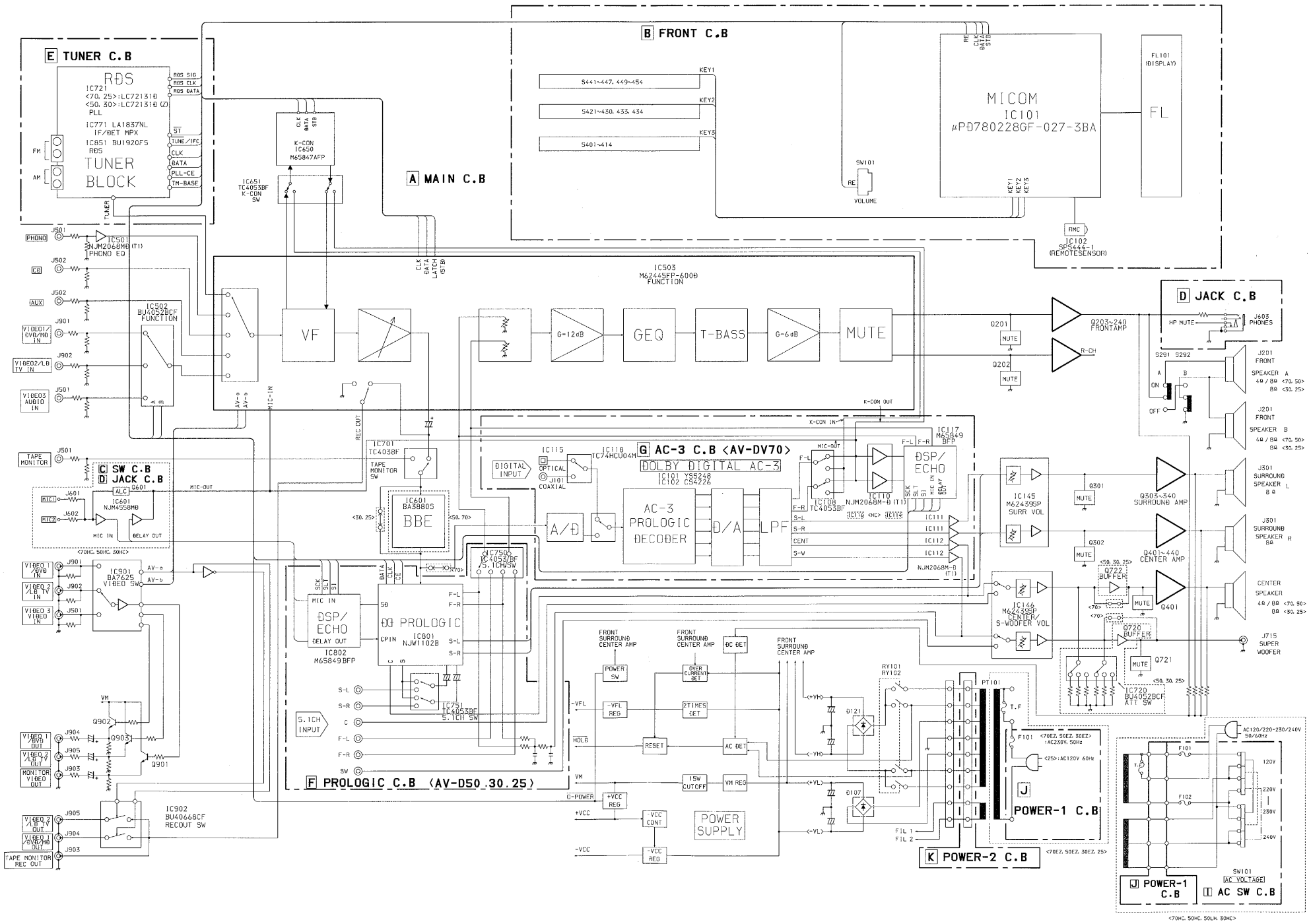


2SK2158

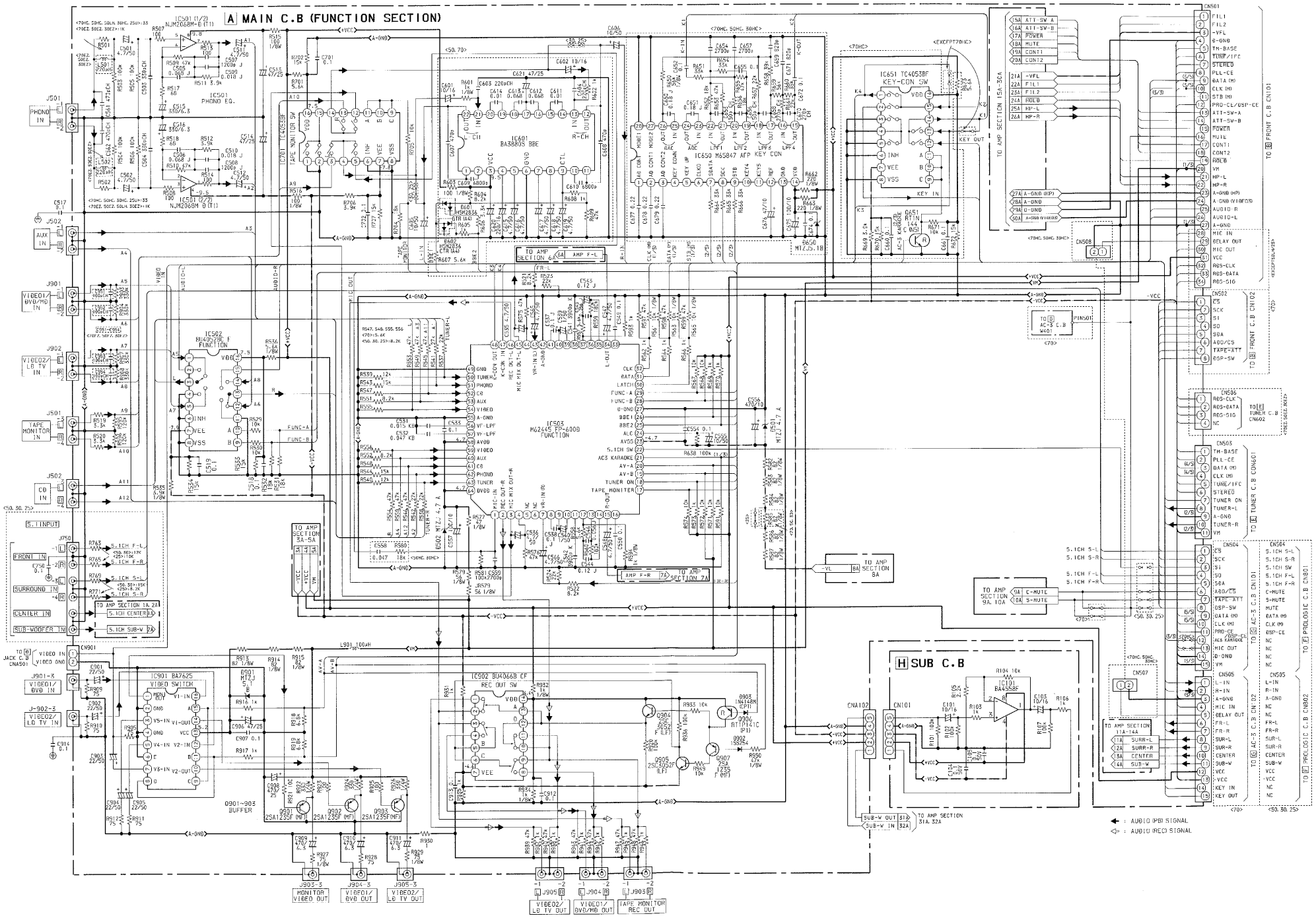


2SK360

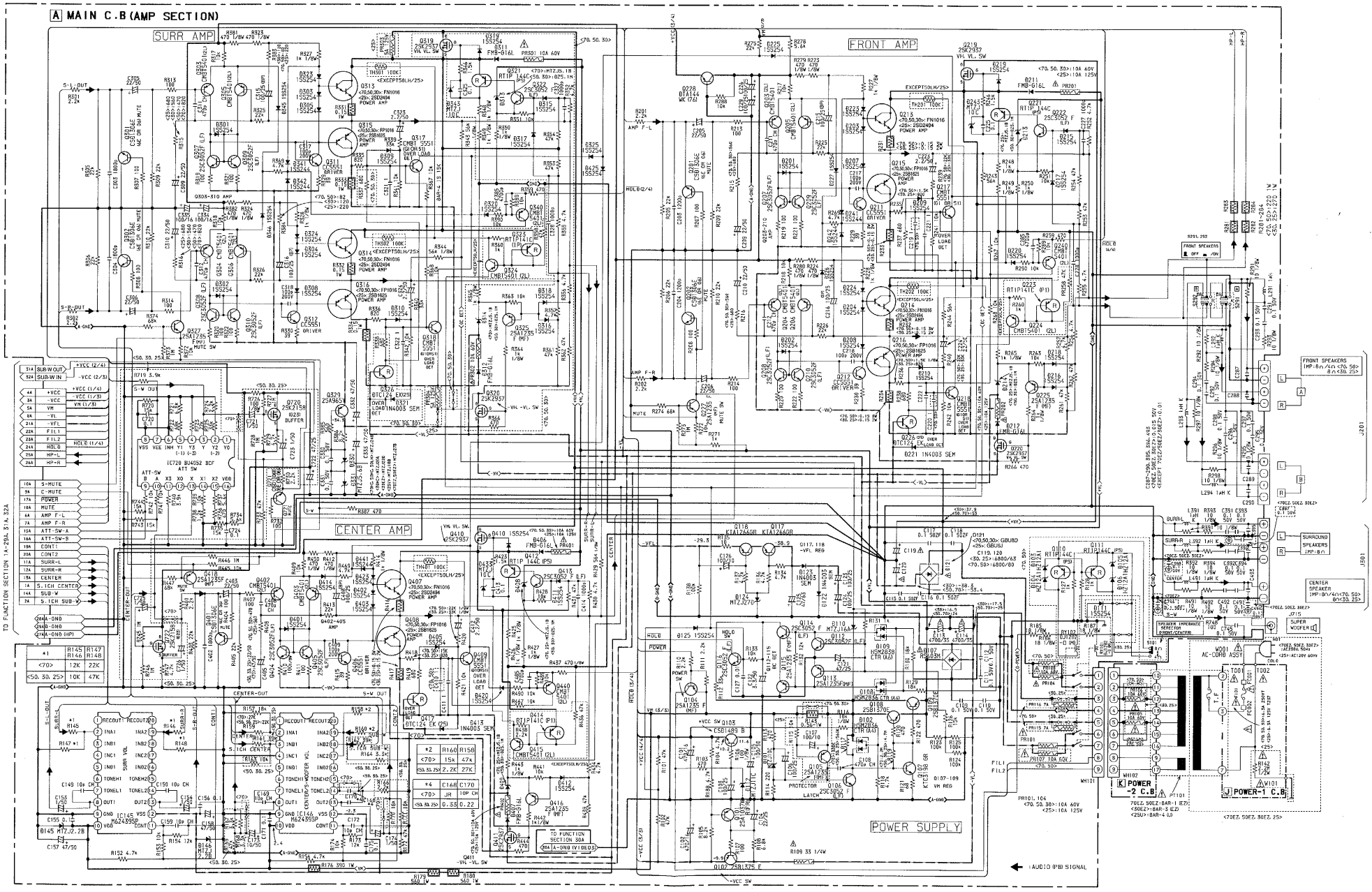
BLOCK DIAGRAM



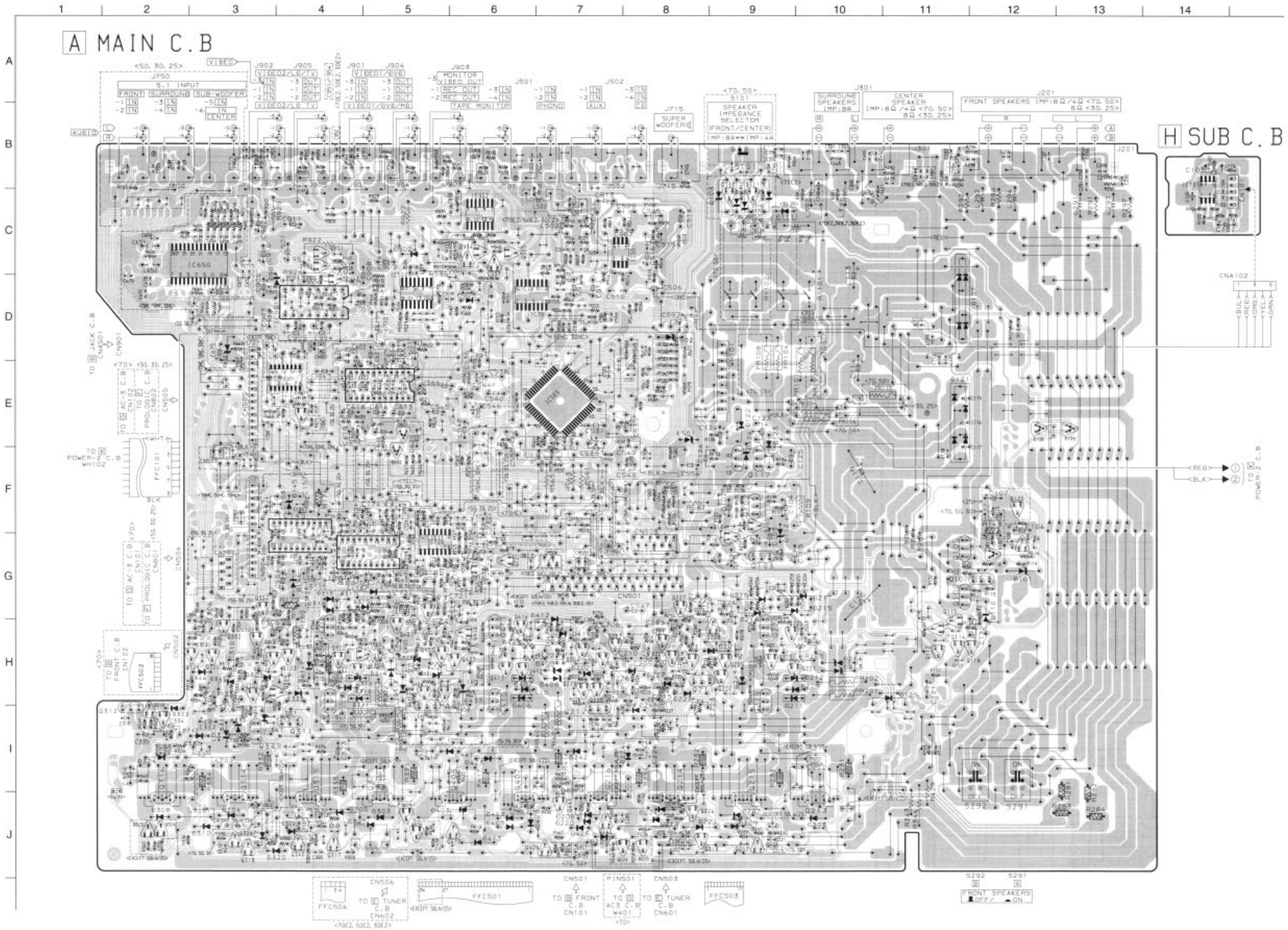
SCHEMATIC DIAGRAM-1 (MAIN-FUNC SECTION)



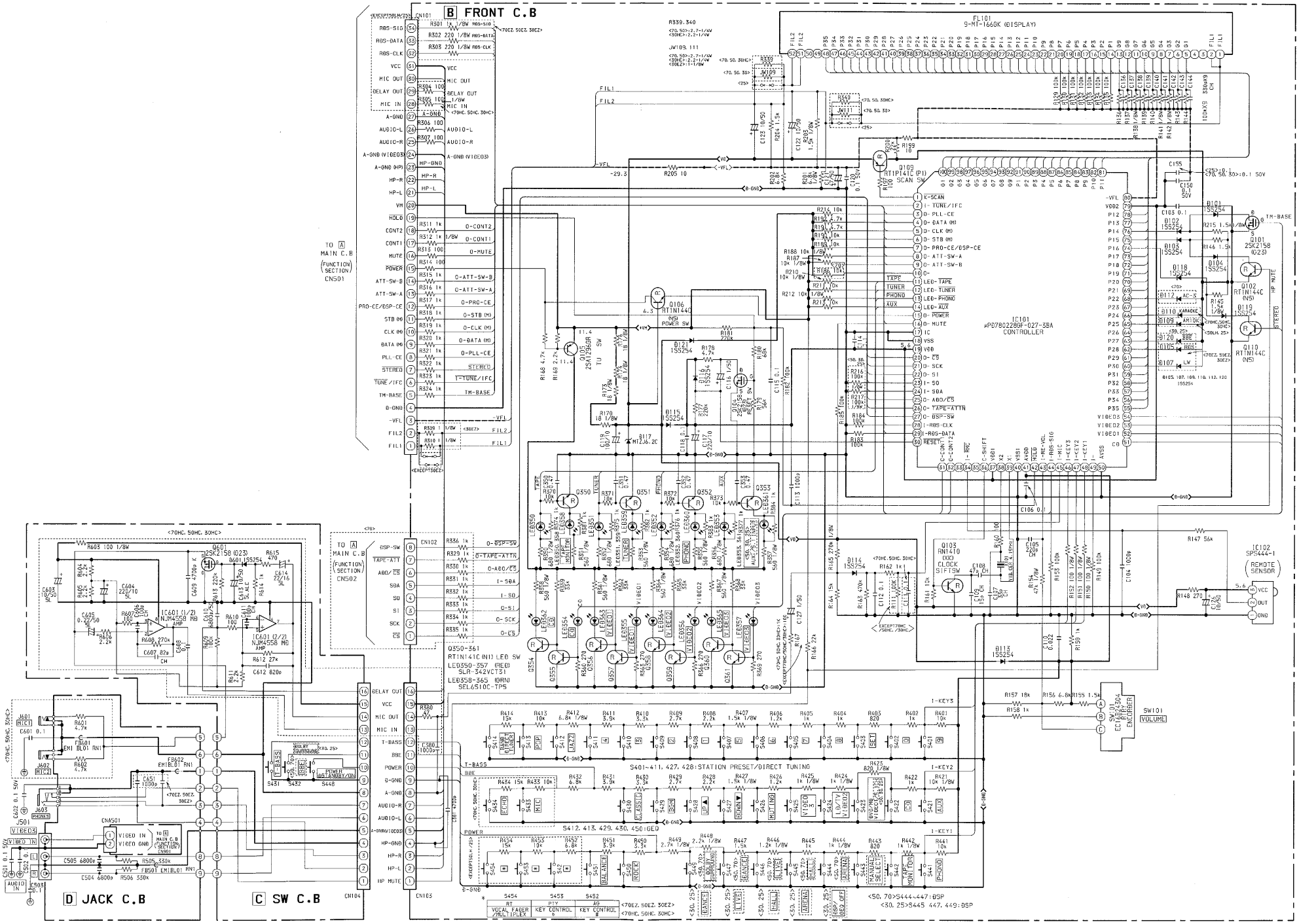
SCHEMATIC DIAGRAM-2 (MAIN-AMP SECTION)

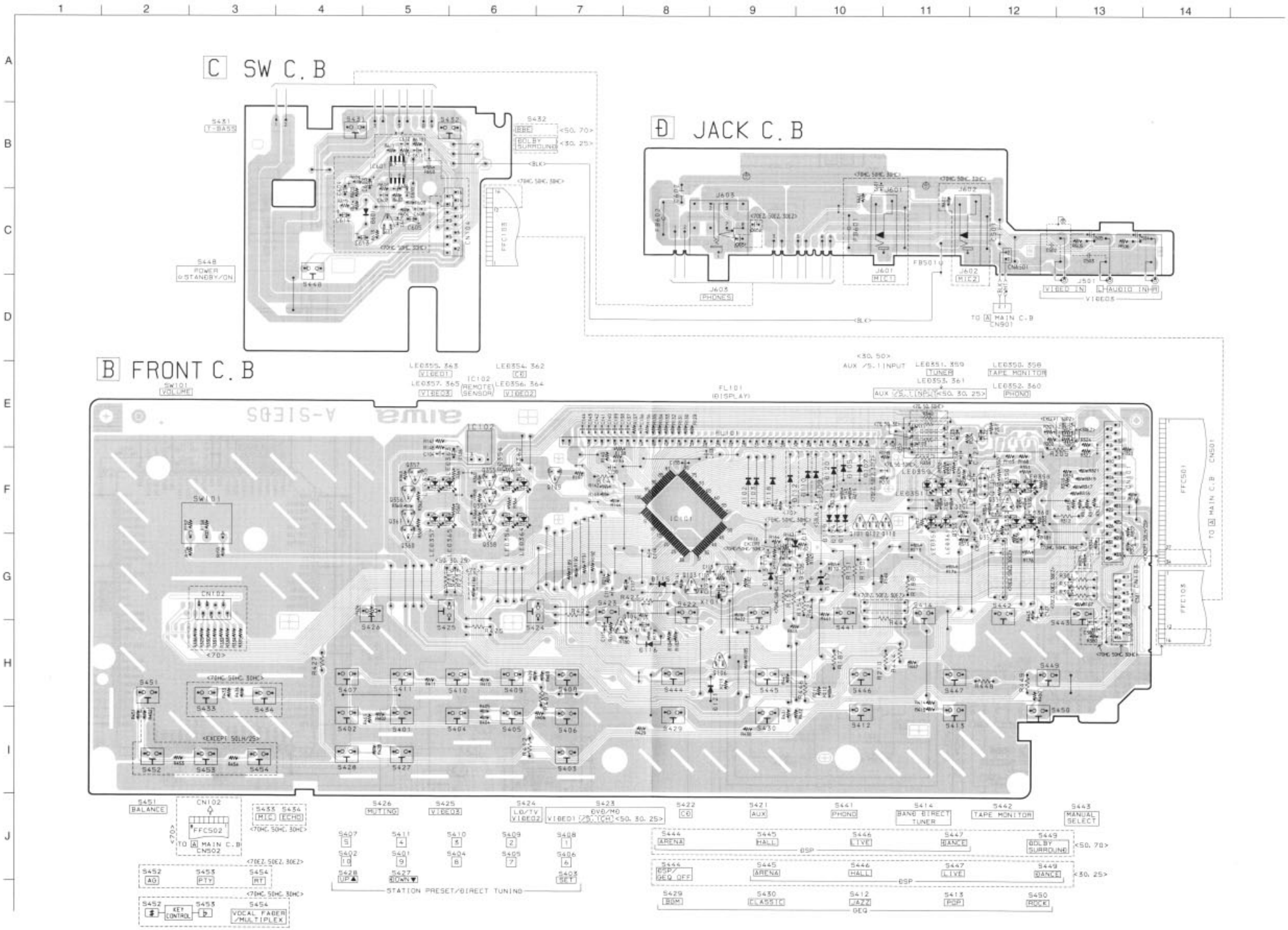


WIRING-1 (MAIN SECTION)

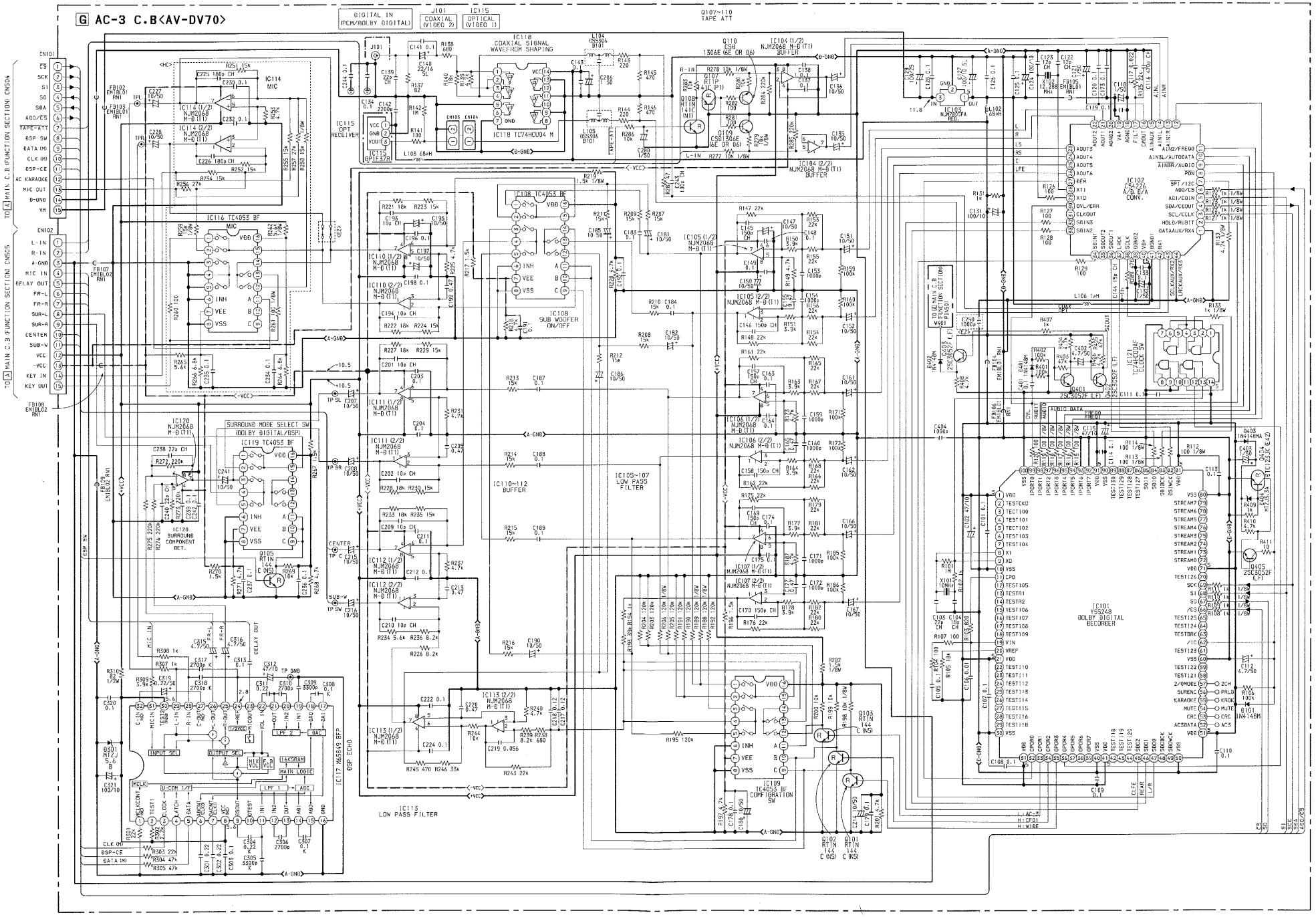


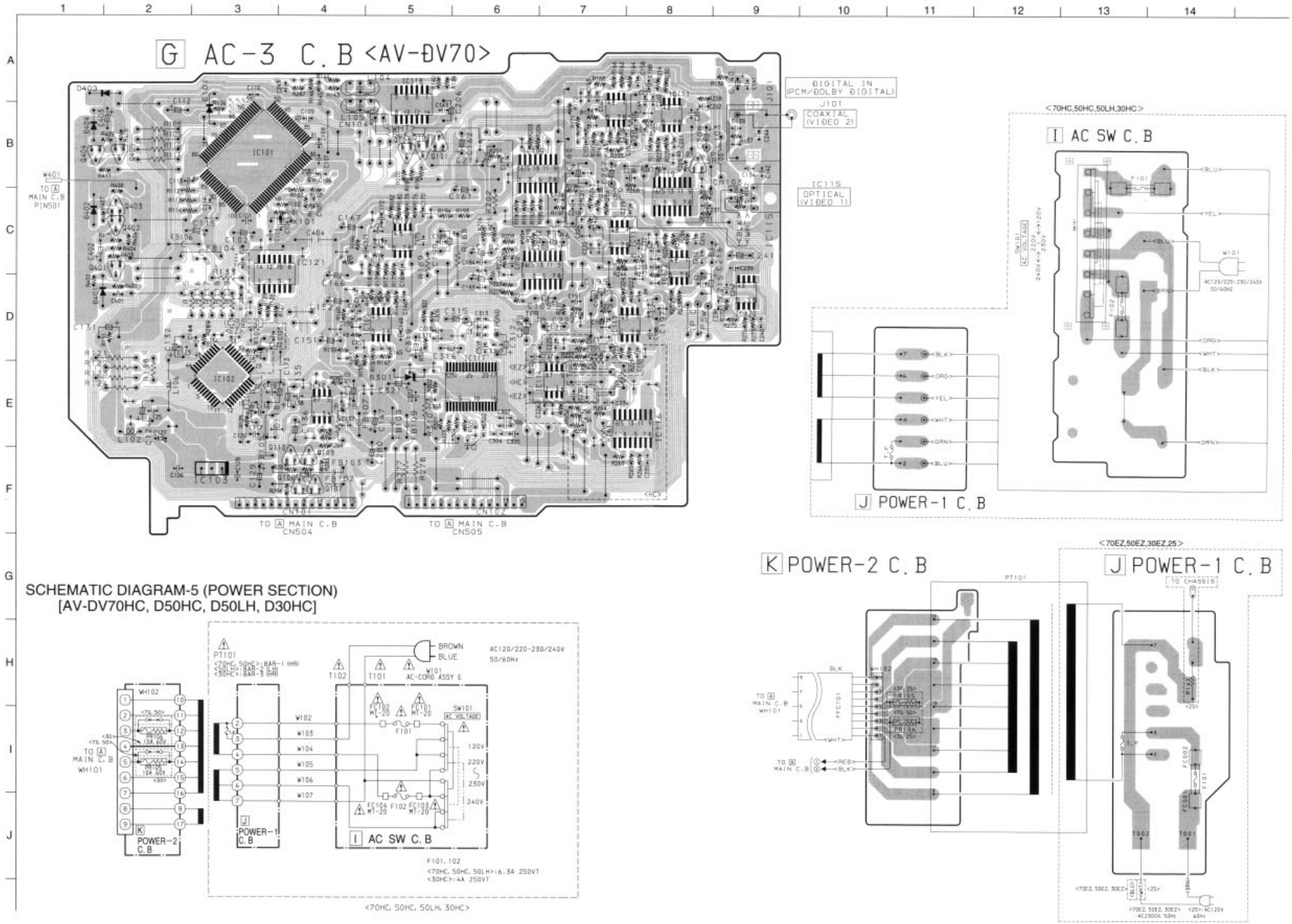
SCHEMATIC DIAGRAM-3 (FRONT SECTION)




C SW C. B
D JACK C. B
B FRONT C. B
S451 T-BASS
S448 POWER ⊙STANDBY/ON
S432 BBE
DOLBY SURROUND
J603 PHONES
J601 MIC1
J602 MIC2
J501 VIDEO IN
L-AUDIO IN-R
VIDEO5
TO A MAIN C.B CN901
SW101 VOLUME
FL101 (DISPLAY)
IC102 (REMOTE SENSOR)
IC101
AUX /5.1INPUT
TUNER
TAPE MONITOR
AUX /5.1INPUT
PHONO
FFC501
FFC105
TO A MAIN C.B CN501
S451 BALANCE
CN102
FFC502
TO A MAIN C.B CN902
S453 MIC
S454 ECHO
S426 MUTING
S425 VIDEO3
S424 LD/TV VIDEO2
S423 DVD/MD VIDEO1 (2ch, 7ch)
S422 CD
S421 AUX
S441 PHONO
S414 BAND DIRECT TUNER
S442 TAPE MONITOR
S443 MANUAL SELECT
S444 ARENA
S445 HALL
S446 LIVE
S447 DANCE
S449 DOLBY SURROUND
DSP
S444 DSP/DEQ OFF
S445 ARENA
S446 HALL
S447 LIVE
S449 DANCE
S429 BGM
S430 CLASSIC
S412 JAZZ
S413 POP
S450 ROCK
DEQ
S452 AG
S453 PTY
S454 RT
S452 KEY CONTROL
S454 VOCAL FADER /MULTIPLEX
S407 9
S411 4
S410 3
S409 2
S408 1
S402 10
S401 9
S404 8
S405 7
S406 6
S428 UP▲
S427 DOWN▼
S403 SET
STATION PRESET/DIRECT TUNING

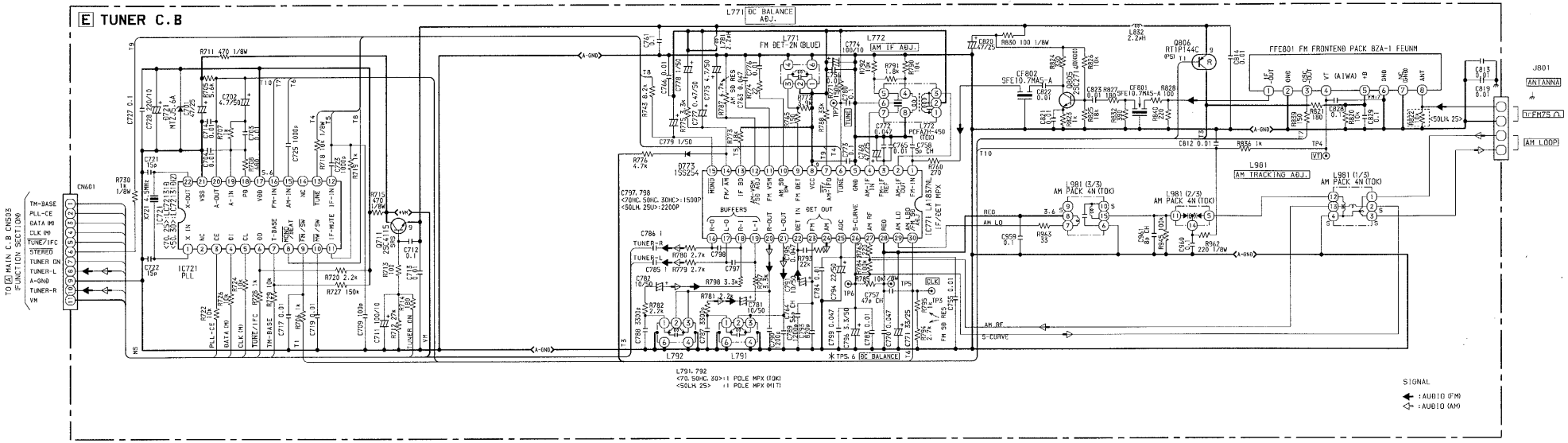
SCHEMATIC DIAGRAM-4 (AC-3 SECTION) [AV-DV70]



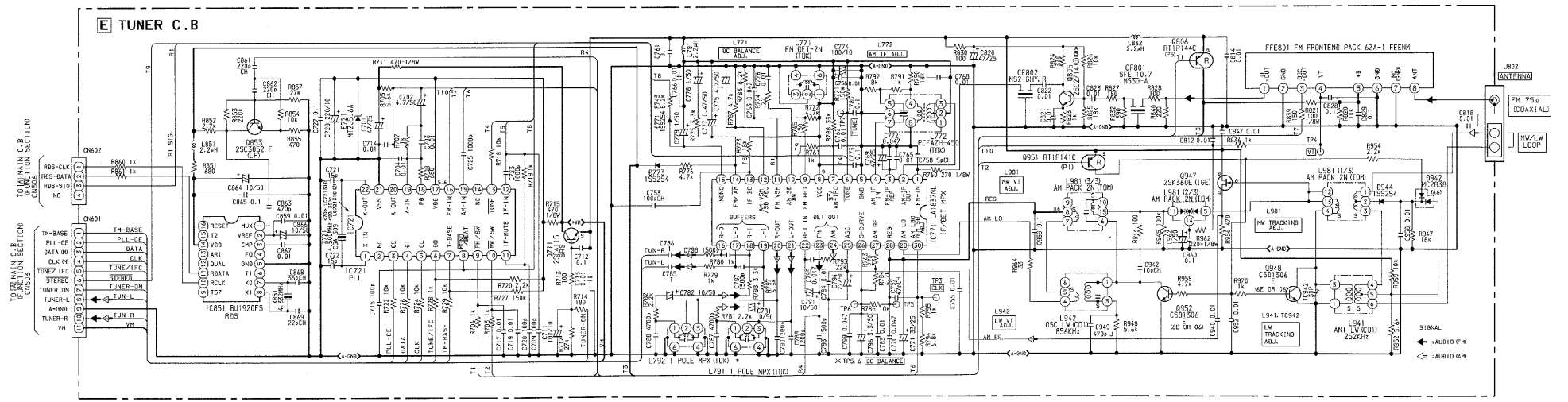


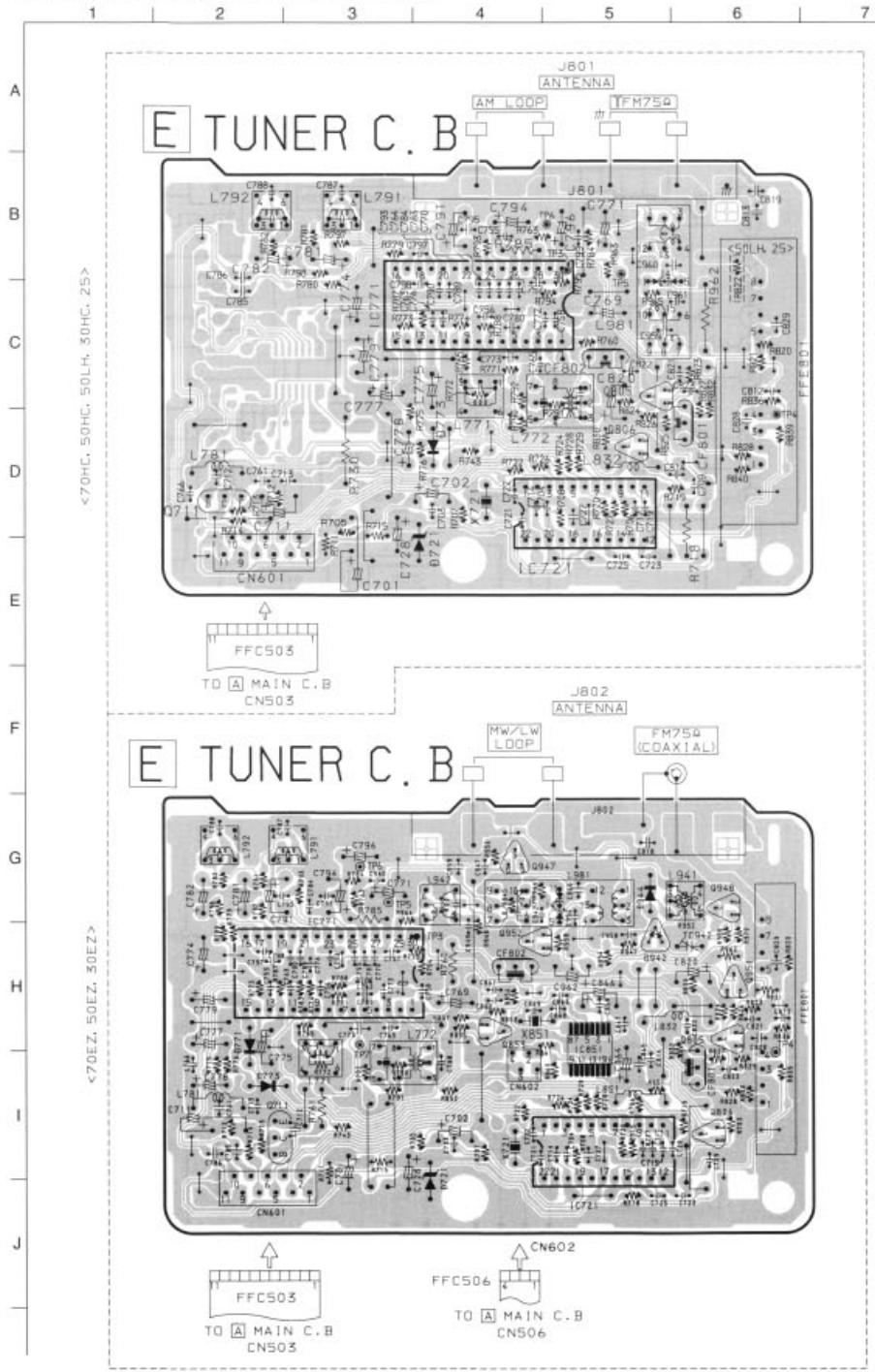
SCHEMATIC DIAGRAM-5 (POWER SECTION)
[AV-DV70HC, D50HC, D50LH, D30HC]

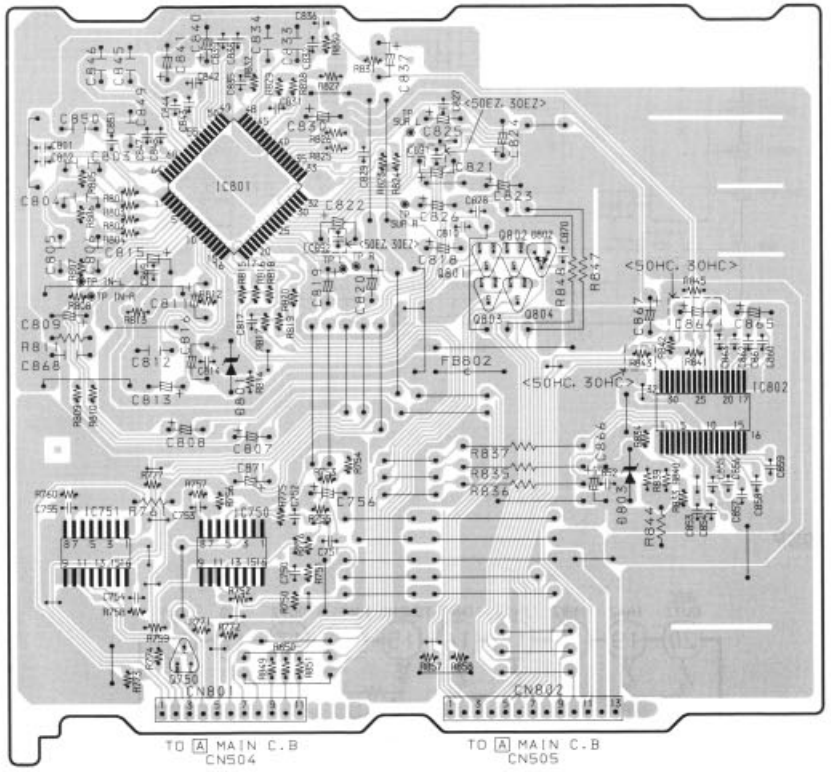
SCHEMATIC DIAGRAM-6 (TUNER SECTION) [AV-D25, D30HC, D50HC, D50LH, DV70HC]



SCHEMATIC DIAGRAM-7 (TUNER SECTION) [AV-D30EZ, D50EZ, DV70EZ]

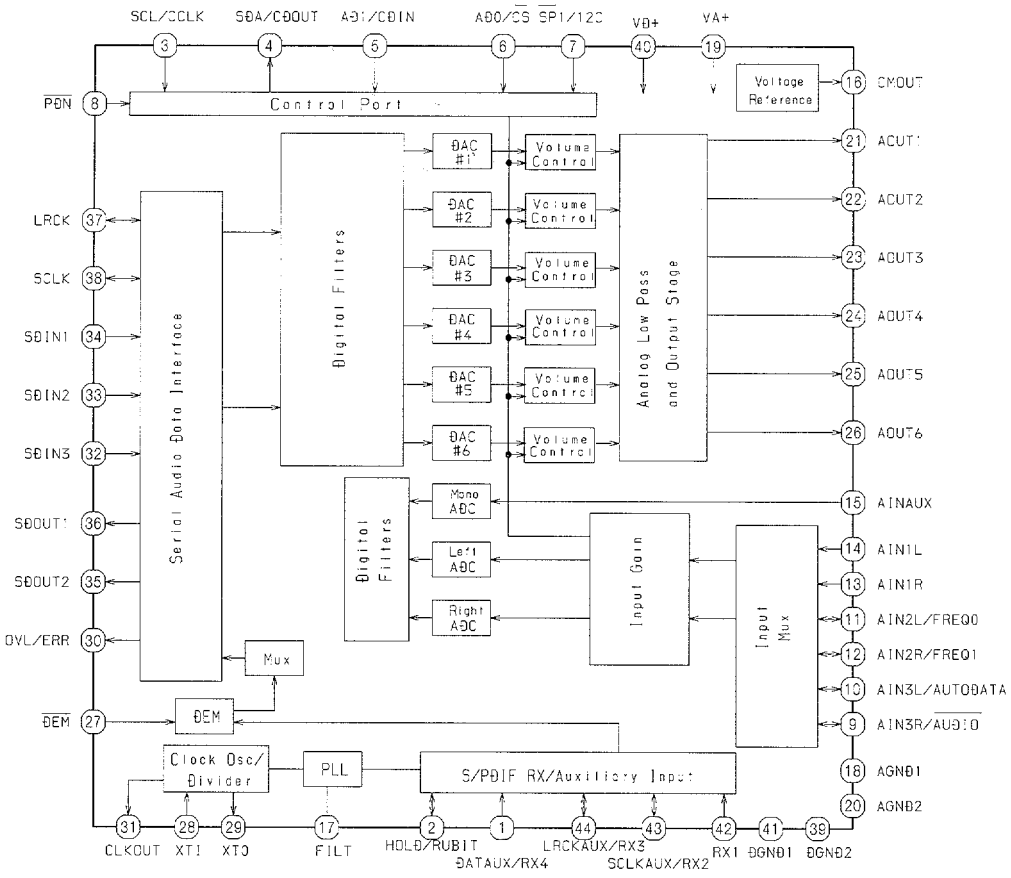



E TUNER C.B
J801
ANTENNA
AM LOOP
FM75Ω
<50LH, 25>
<70HC, 50HC, 50LH, 30HC, 25>
FFC503
TO A MAIN C.B
CN503
E TUNER C.B
J802
ANTENNA
MW/LW LOOP
FM75Ω (COAXIAL)
<70EZ, 50EZ, 30EZ>
FFC503
TO A MAIN C.B
CN503
CN602
FFC506
TO A MAIN C.B
CN506

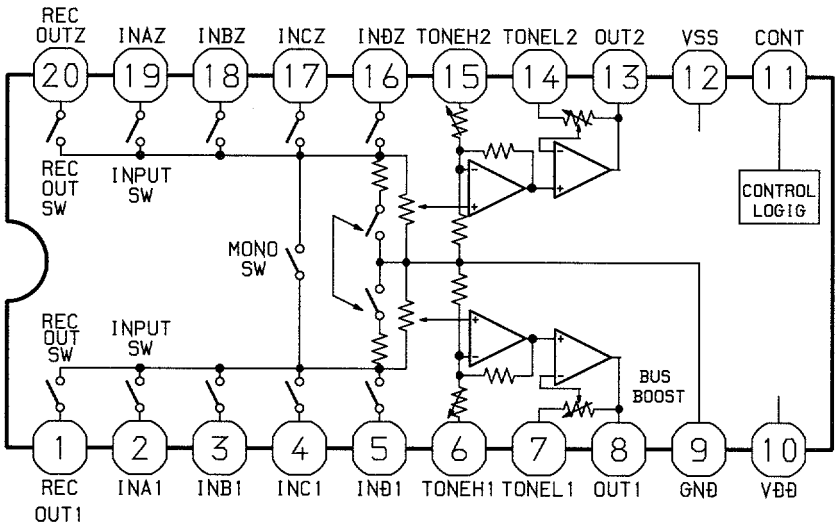

F PROLOGIC C.B <AV-Ð50,30,25>
IC801
<50EZ, 30EZ>
<50HC, 30HC>
TO A MAIN C.B
CN504
TO A MAIN C.B
CN505

IC BLOCK DIAGRAM-1

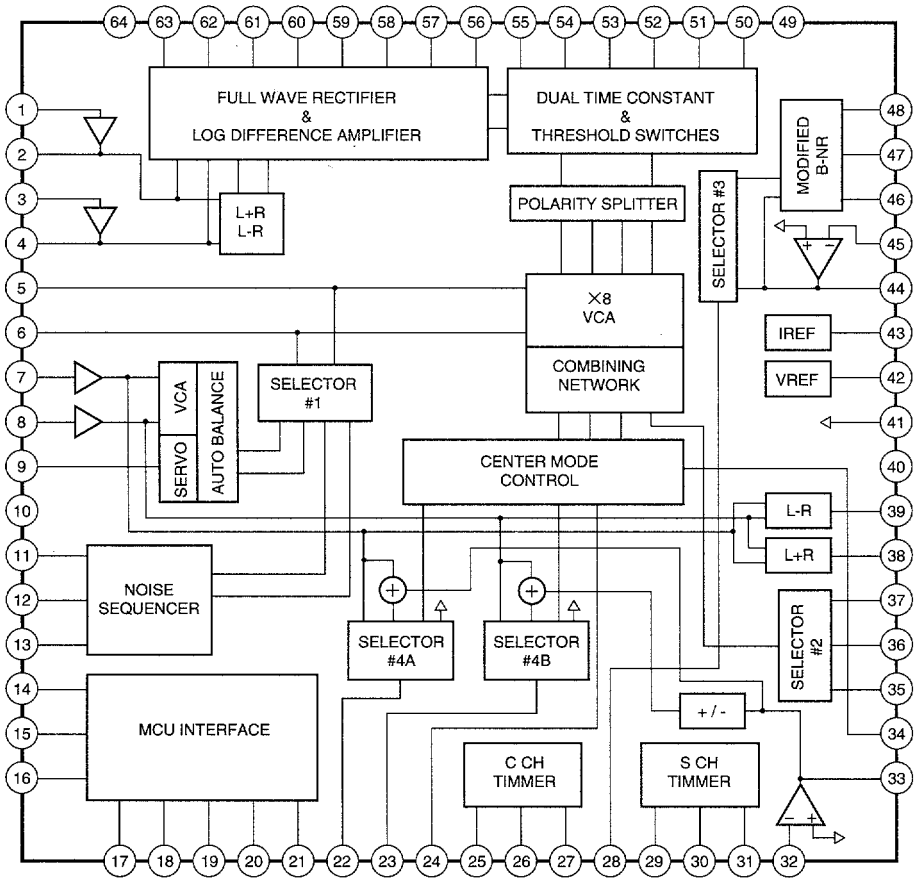
IC, CS4226



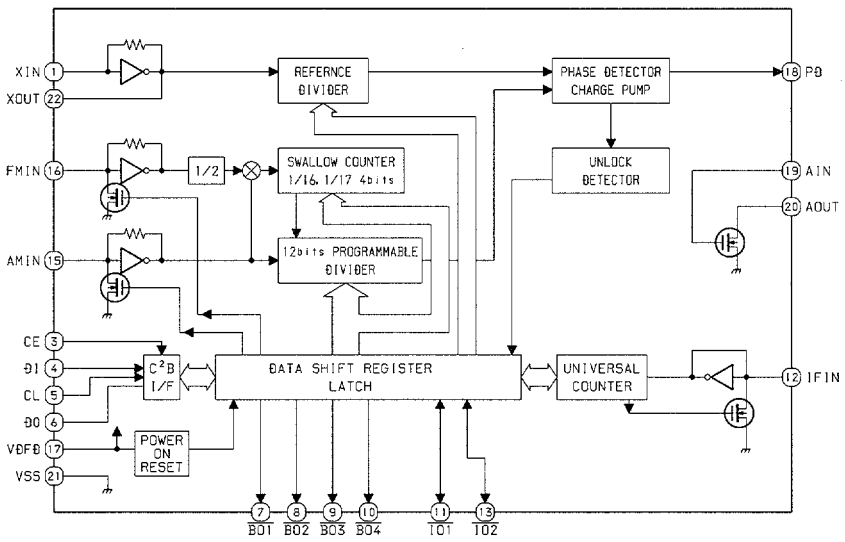
IC, M62439SP

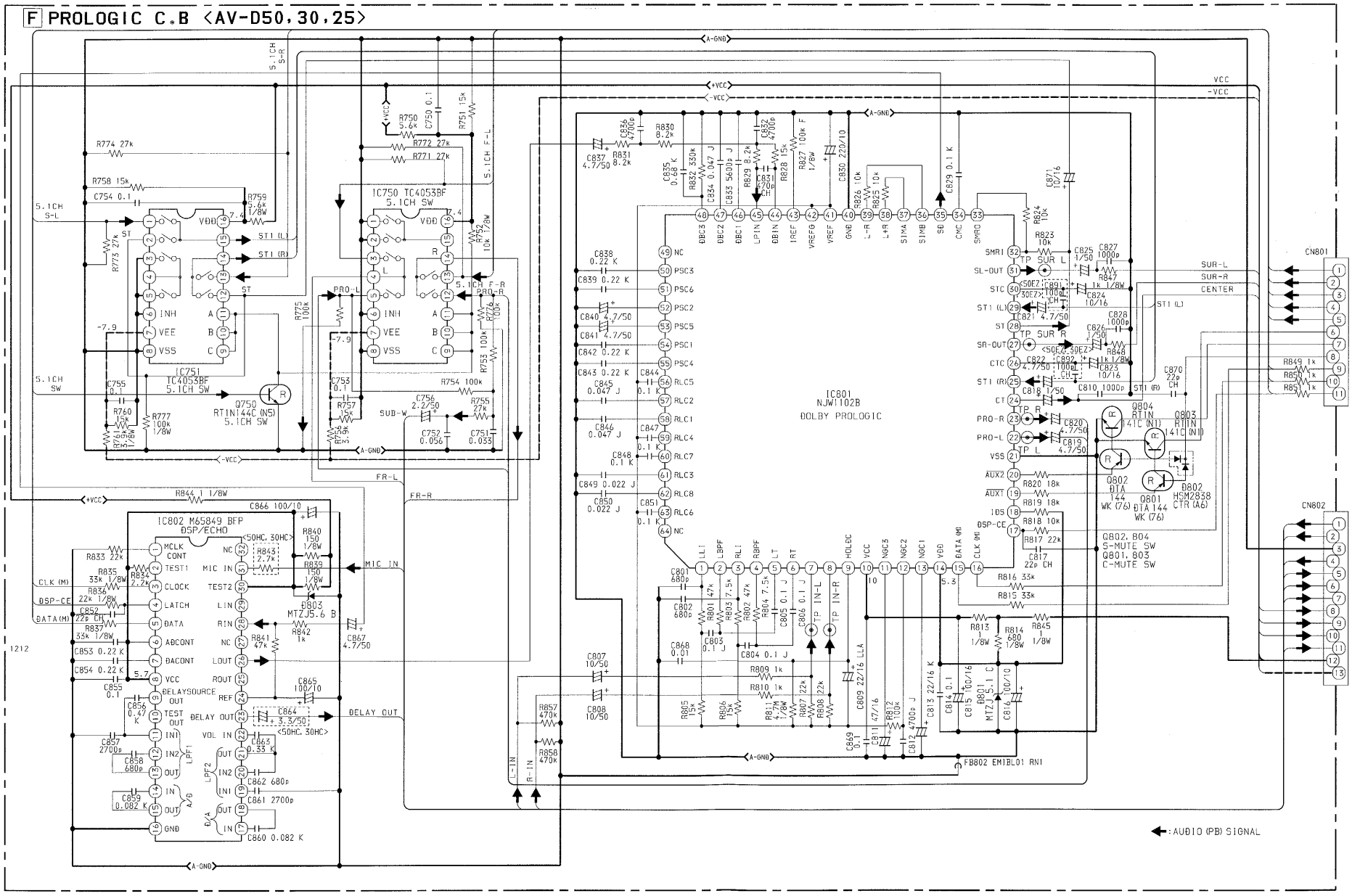


IC, NJW1102B



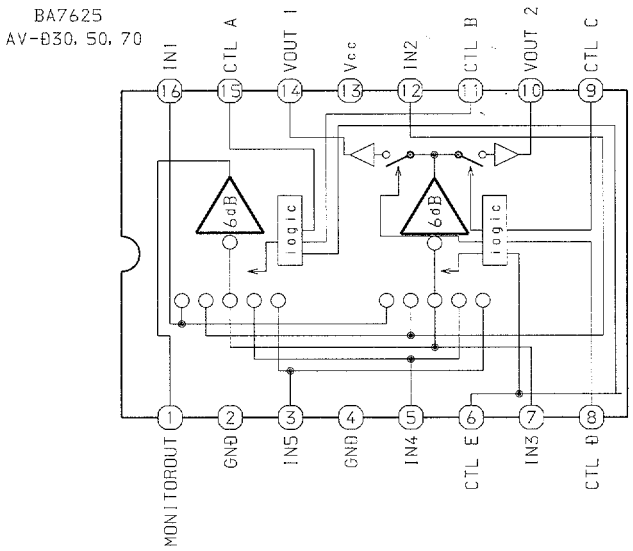
IC, LC72131




F PROLOGIC C.B <AV-D50,30,25>
IC751 TC4053BF 5.1CH SW
IC750 TC4053BF 5.1CH SW
IC801 NJW1102B DOLBY PROLOGIC
IC802 M65849 BFP DSP/ECHO
Q750 RT1N144C (N5) 5.1CH SW
Q801 DTA144 WK (76)
Q802 DTA144 WK (76)
Q803 RT1N141C (N1)
Q804 RT1N141C (N1)
D802 HSM2838 CTR (A6)
CN801
CN802
TO A MAIN C.B (FUNCTION SECTION) CN504
TO A MAIN C.B (FUNCTION SECTION) CN505
Q802, 804 S-MUTE SW
Q801, 803 C-MUTE SW
FB802 EM1BL01 RN1
: AUDIO (PB) SIGNAL

IC BLOCK DIAGRAM-2

IC, BA7625



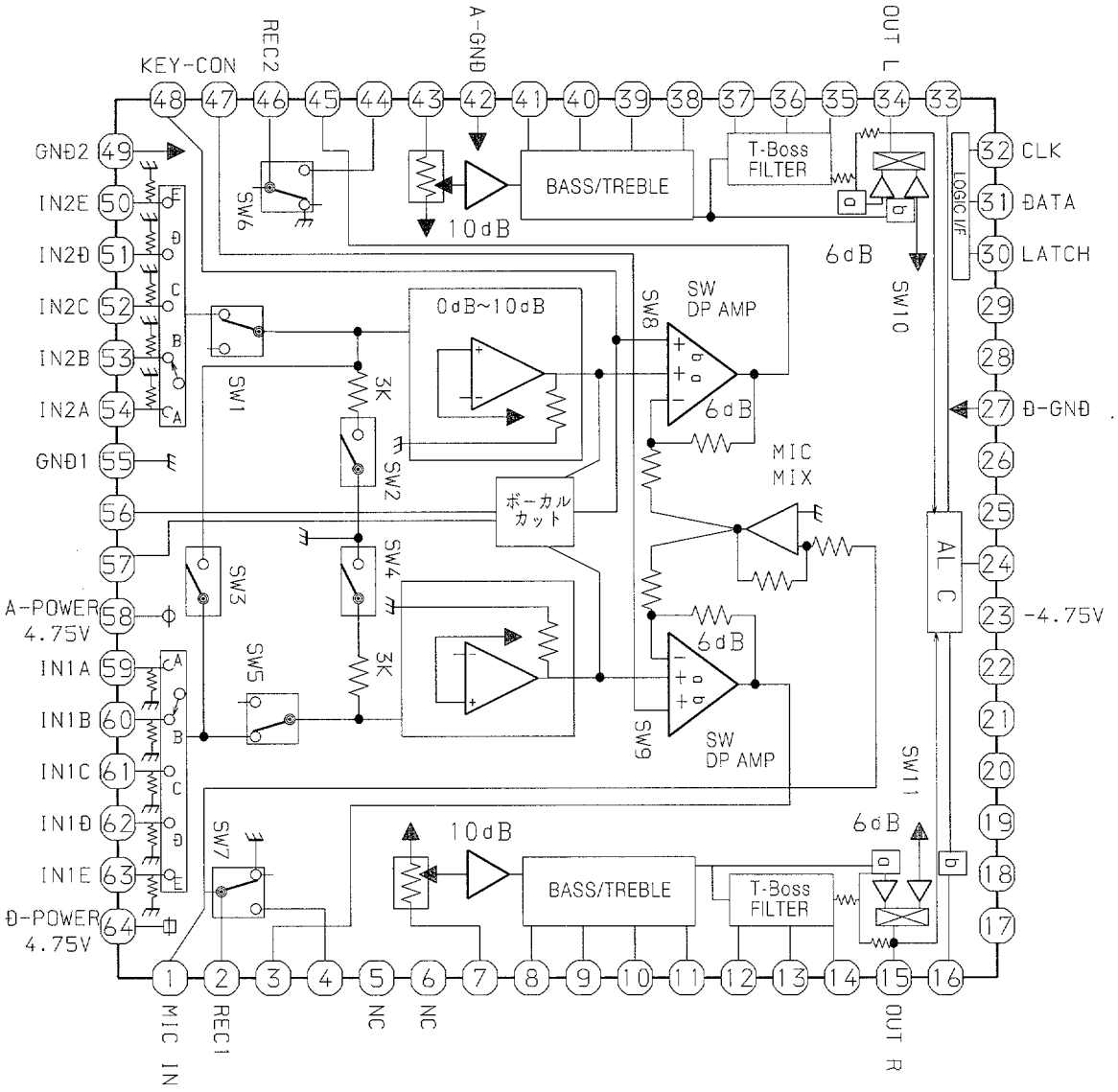
A	B	E	MONITOROUT
L	L	*	IN 1
H	L	*	IN 2
L	H	*	IN 3
H	H	L	IN 4
H	H	H	IN 5

C	Ð	E	V OUT 1
L	L	*	-
H	L	*	IN 2
L	H	*	IN 3
H	H	L	IN 4
H	H	H	IN 5

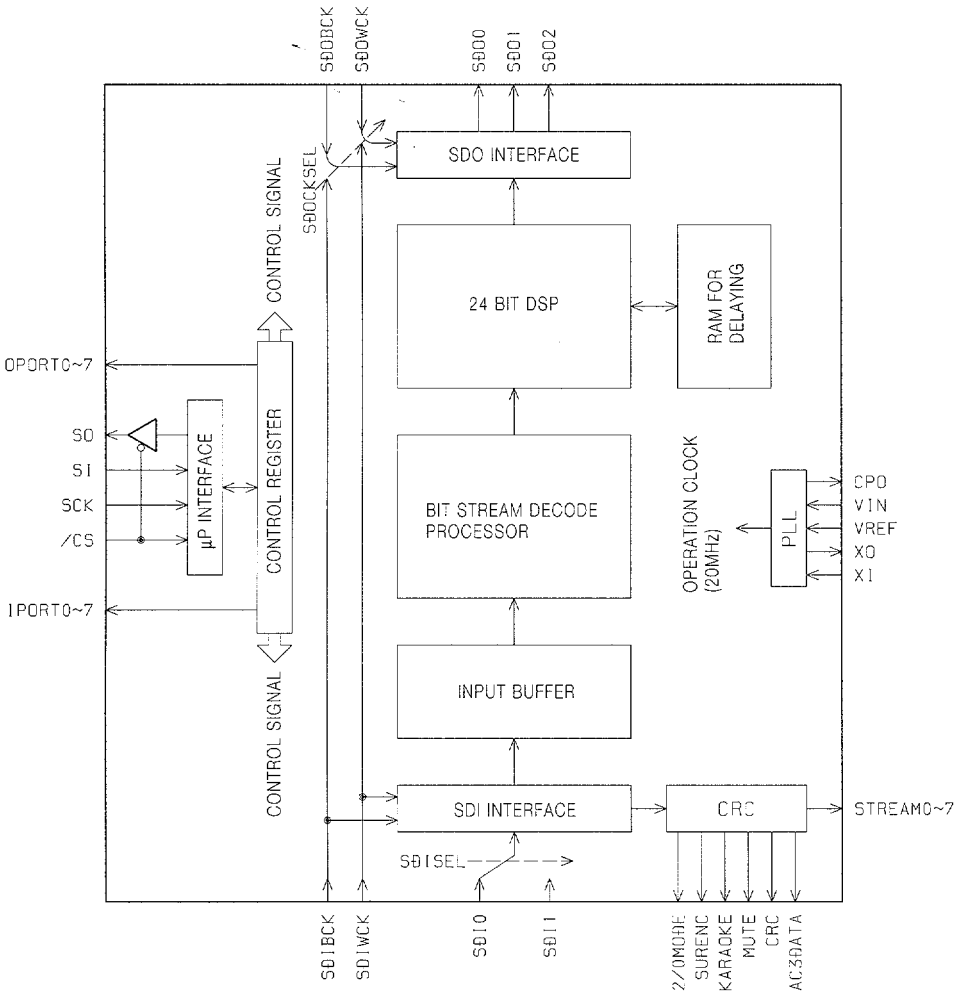
C	Ð	E	V OUT 2
L	L	*	IN 1
H	L	*	-
L	H	*	IN 3
H	H	L	IN 4
H	H	H	IN 5

* H/L nothing

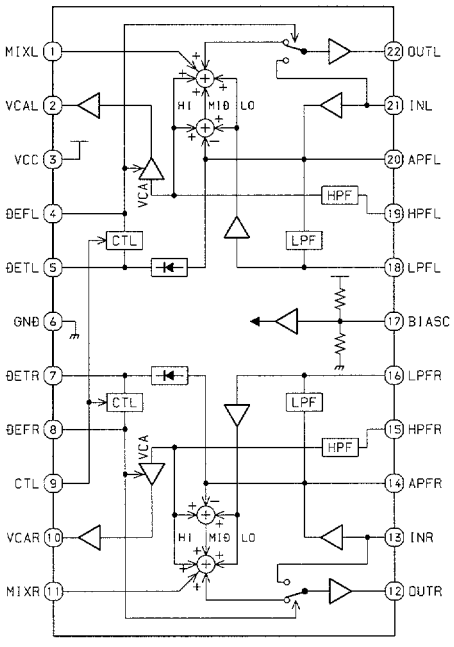
IC, M62445-FP-600D



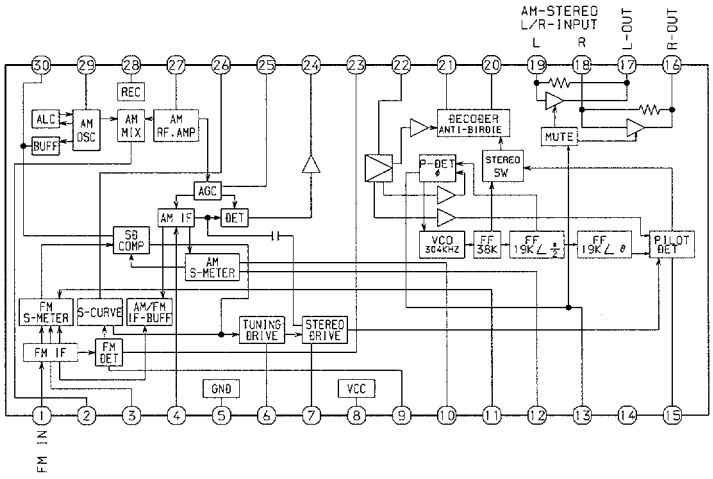
IC, YSS248



IC, BA3880S



IC, LA1837



IC DESCRIPTION

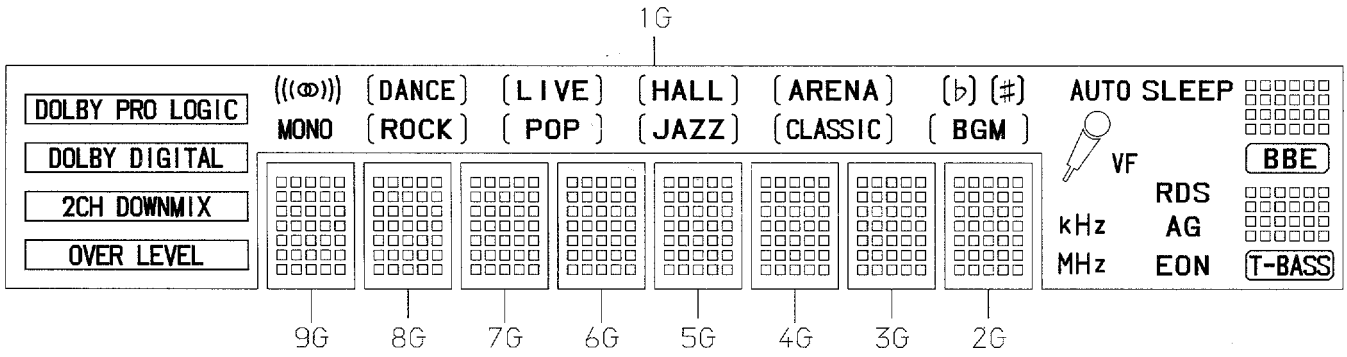
IC, μPD780228GF-027

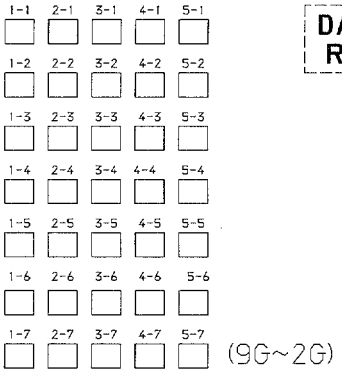
Pin No.	Pin Name	I/O	Description
1	$\overline{\text{K-SCAN}}$	O	Switch scan timing output
2	$\overline{\text{TUNE/IFC}}$	I	TUNE-IF count serial data input
3	PLL-CE	O	PLL IC chip enable output
4	DATA (M)	O	Data output for sound CTRL, PLL, DOLBY PRO LOGIC, DSF
5	CLK (M)	O	Clock output
6	STB (M)	O	Latch strobe output for sound CTRL
7	PRO-CE/DSP-CE	O	Chip enable for dolby prologic or DSP
8	ATT-SW-A	O	ATT-SW-A output for IC720 (4052)
9	ATT-SW-B	O	ATT-SW-B output for IC720 (4052)
10	OSD-CE	O	Chip enable for OSD
11	LED-$\overline{\text{TAPE}}$	O	Tape LED $\overline{\text{ON}}$/OFF output
12	LED-$\overline{\text{TUNER}}$	O	Tuner LED $\overline{\text{ON}}$/OFF output
13	LED-$\overline{\text{PHONO}}$	O	Phono LED $\overline{\text{ON}}$/OFF output
14	LED-$\overline{\text{AUX}}$	O	AUX LED $\overline{\text{ON}}$/OFF output
15	$\overline{\text{POWER}}$	O	System power supply $\overline{\text{ON}}$/OFF output
16	MUTE	O	System mute ON/$\overline{\text{OFF}}$ output
17	IC	–	GND
18	VSS	–	GND
19	VDD	–	Power supply input
20	CS	O	Chip select output for DOLBY DIGITAL (AC3)
21	SCK	O	Clock output for DOLBY DIGITAL (AC3)
22	SI	O	Serial data input for DOLBY DIGITAL (AC3)
23	SO	I	Serial data output for DOLBY DIGITAL (AC3)
24	SDA	I	Serial data input for CODEC IC (CS4226)
25	ADO/$\overline{\text{CS}}$	O	Chip select output for CODEC IC (CS4226)
26	$\overline{\text{TAPE-ATTN}}$	O	ATT output for function tape
27	$\overline{\text{DSP-SW}}$	O	DSP SW (4053) output
28	RDS-CLK	I	Tuner RDS clock input
29	RDS-DATA	I	Tuner RDS data input
30	$\overline{\text{RESET}}$	I	Reset input
31	CONT1	O	Master VOL CTRL output for surround left/right
32	CONT2	O	Master VOL CTRL output for center & sub-woofer
33	OSD-CLK (F)	O	Clock output for OSD
34	$\overline{\text{RMC}}$	I	System remote control signal input
35	OSD-DATA (F)	O	Data output for OSD
36	C-SHIFT	O	Micon clock shift output
37	VDD1	–	Power supply input
38	X2	–	4.19 MHz oscillator circuit
39	X1	–	
40	VSS1	–	GND
41	AVDD	–	Power supply input

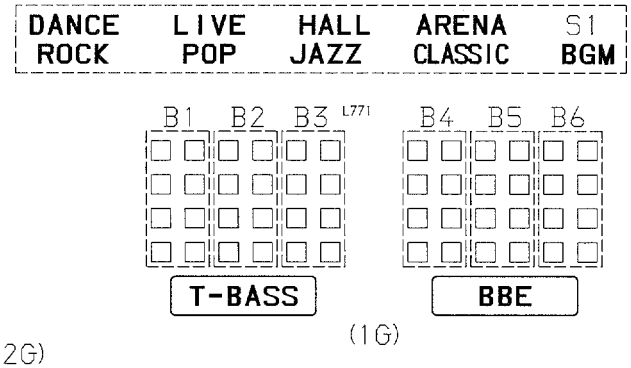
Pin No.	Pin Name	I/O	Description
42	$\overline{\text{HOLD}}$	I	Power failure detected input "L" to stop clock and hold memory
43	RE-VOL	I	Rotary encoder signal input
44	RDS-SIG	I	Tuner signal input
45	MIC	I	Microphone input for auto VF display
46	KEY3	I	Key input (A/D)
47	KEY2	I	
48	KEY1	I	
49	SYNC DET	I	SYNC detector input for OSD
50	AVSS	–	GND
51	LED CD	O	CD LED ON/$\overline{\text{OFF}}$ output
52	LED-VIDEO1	O	VIDEO1 LED ON/$\overline{\text{OFF}}$ output
53	LED-VIDEO2	O	VIDEO2 LED ON/$\overline{\text{OFF}}$ output
54	LED-VIDEO3	O	VIDEO3 LED ON/$\overline{\text{OFF}}$ output
55	P35	O	FL segement P35 output
56	P34	O	FL segement P34 output
57	P33	O	FL segement P33 output
58	P32	O	FL segement P32 output
59	P31	O	FL segement P31 output
60	P30	I/O	FL segement P30 output/LW mode data input to diode
61	P29	I/O	FL segement P29 output/FMI (OIRT) data input to diode
62	P28	I/O	FL segement P28 output/RDS data input to diode
63	P27	I/O	FL segement P27 output/BBE data input to diode
64	P26	I/O	FL segement P26 output/AM stereo, wide band data input to diode
65	P25	I/O	FL segement P25 output/intial AM 10 kHz step data input to diode
66	P24	I/O	FL segement P24 output/VF, KEY CON, ECHO data input to diode
67	P23	I/O	FL segement P23 output/OSD data input to diode
68	P22	I/O	FL segement P22 output/DOLBY digital (AC3) data input to diode
69	P21	O	FL segement P21 output
70	P20	O	FL segement P20 output
71	P19	O	FL segement P19 output
72	P18	O	FL segement P18 output
73	P17	O	FL segement P17 output
74	P16	I/O	FL segement P16 output/tuner stereo detected input
75	P15	I/O	FL segement P15 output/headphone mute detected input
76	P14	I/O	FL segement P14 output/reference clock input for timer watch
77	P13	O	FL segement P13 output
78	P12	O	FL segement P12 output
79	VDD2	–	Power supply input
80	VFL	–	Power supply input for FL display
81	P11	O	FL segement P11 output
82	P10	O	FL segement P10 output

Pin No.	Pin Name	I/O	Description
83	P9	O	FL segement P9 output
84	P8	O	FL segement P8 output
85	P7	O	FL segement P7 output
86	P6	O	FL segement P6 output
87	P5	O	FL segement P5 output
88	P4	O	FL segement P4 output
89	P3	O	FL segement P3 output
90	P2	O	FL segement P2 output
91	P1	O	FL segement P1 output
92	G9	O	FL grid output G9
93	G8	O	FL grid output G8
94	G7	O	FL grid output G7
95	G6	O	FL grid output G6
96	G5	O	FL grid output G5
97	G4	O	FL grid output G4
98	G3	O	FL grid output G3
99	G2	O	FL grid output G2
100	G1	O	FL grid output G1

GRID ASSIGNMENT







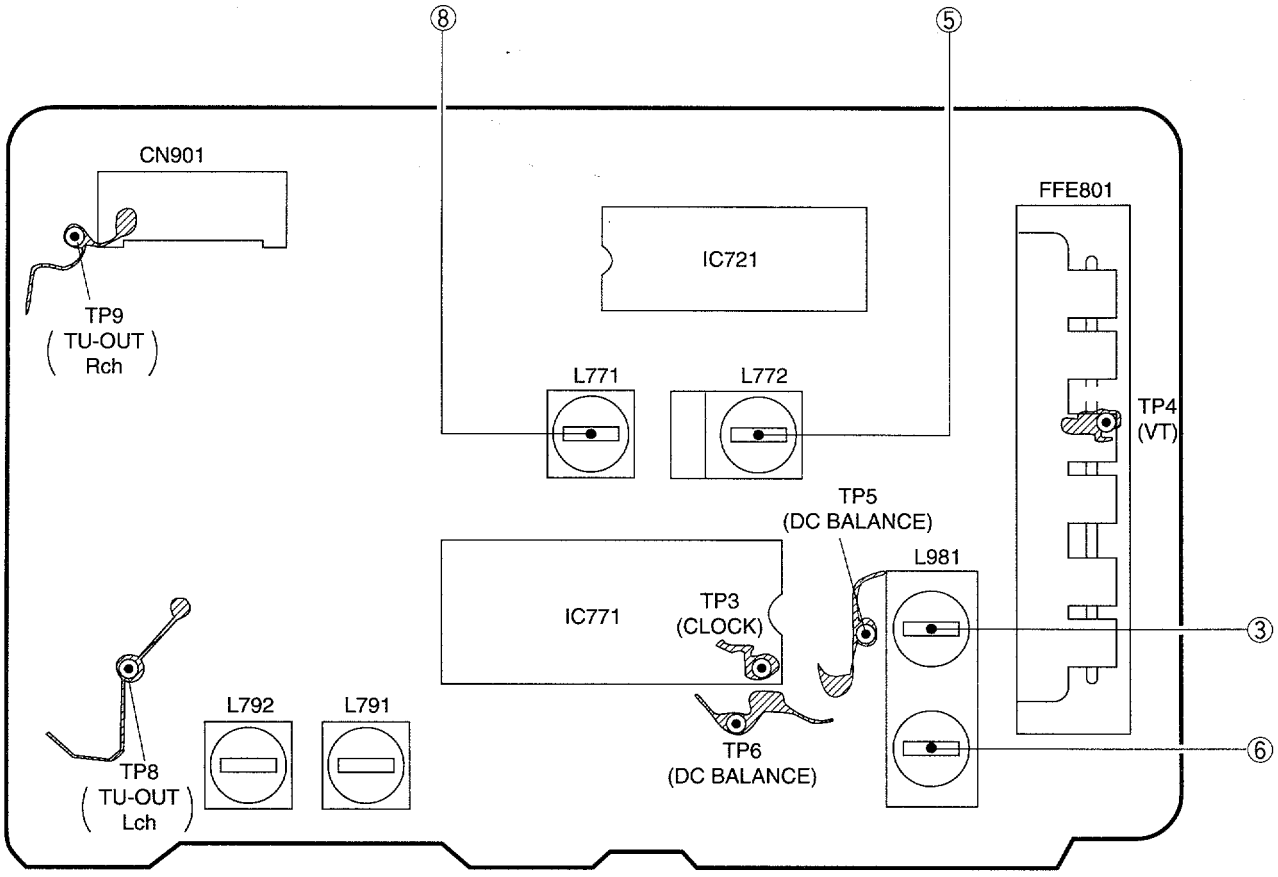
ANODO CONNECTION

ANODE CONNECTION

	9G~2G	1G
P1	1-1	DOLBY PRO LOGIC
P2	2-1	DOLBY DIGITAL
P3	3-1	2CH DOWNMIX
P4	4-1	OVER LEVEL
P5	5-1	((◎))
P6	1-2	MONO
P7	2-2	(DANCE)
P8	3-2	(ROCK)
P9	4-2	(LIVE)
P10	5-2	(POP)
P11	1-3	(HALL)
P12	2-3	(JAZZ)
P13	3-3	(ARENA)
P14	4-3	(CLASSIC)
P15	5-3	(BGM)
P16	1-4	(♭)
P17	2-4	(♯)
P18	3-4	♭ ♯

	9G~2G	1G
P19	4-4	S1
P20	5-4	AUTO
P21	1-5	VF
P22	2-5	kHz
P23	3-5	MHz
P24	4-5	SLEEP
P25	5-5	AG
P26	1-6	EON
P27	2-6	RDS
P28	3-6	BBE
P29	4-6	B6
P30	5-6	B5
P31	1-7	B4
P32	2-7	T-BASS
P33	3-7	B3
P34	4-7	B2
P35	5-7	B1

ELECTRICAL ADJUSTMENT [AV-D30HC, D50HC, D50LH, DV70HC]



1. AM VT Check
   Setting:
   Test point: TP4 (VT)
   Method: [AV-D50LH]
   Set to AM 1710 kHz and check that the test point is less than + 8.5 V.
   Then set to AM 530 kHz and check that the test point is more than + 0.6 V.
   Method: [AV-D30HC, D50HC, DV70HC]
   Set to AM 1602 kHz and check that the test point is less than + 8.0 V.
   Then set to AM 531 kHz and check that the test point is more than + 0.6 V.

2. FM VT Check
   Setting
   Test point: TP4 (VT)
   Method
   Set to FM 108.0 MHz and check that the test point is less than + 8.0 V.
   Then set to FM 87.5 MHz and check that the test point is more than + 0.5 V.

3. AM VT Adjustment
   Setting:
   Test point: TP4 (VT)
   Adjustment location: L981 (3/3)
   Method:
   Set to AM 1710 kHz and adjust L981 (3/3) that the test point is 8.5 ± 0.05 V .
   Then set to AM 530 kHz and check that the test point is more than + 0.3 V.

4. Clock Frequency Check
   Setting:
   Test point: TP3 (CLOCK)
   Method: [AV-D50LH]
   Set to AM 1710 kHz and check that the test point is 2160 kHz ± 45 kHz .
   Method: [AV-D30HC, D50HC, DV70HC]
   Set to AM 1602 kHz and check that the test point is 2052 kHz ± 45 kHz .

5. AM IF Adjustment
   Setting:
      Test point: TP8 (Lch), TP9 (Rch),
      Adjustment location: L772
   Method:
      Set to AM 999 kHz and adjust L772 that the test point is becomes maximum .

6. AM Tracking Adjustment
   Setting:
      Test point: TP8 (Lch), TP9 (Rch),
      Adjustment location: L981 (1/3)
   Method:
      Set to AM 999 kHz and adjust L981 (1/3) that the test point is becomes maximum .

7. FM Tracking Check
   Setting:
      Test point: TP8 (Lch), TP9 (Rch),
   Method:
      Set to FM 98.0 MHz and check that the test point is less than 9 dBμV.

8. FM DC Balance Adjustment
   Setting:
      Test point: TP5, TP6
      Adjustment location: L771
   Method:
      Set to FM 98.0 MHz and adjust L771 that the test point is 0 ± 0.04 V.

PRACTICAL SERVICE FIGURE [AV-D30HC, D50HC, D50LH, DV70HC]

TUNER SECTION

< FM SECTION >

IHF sensitivity:	Less than 10 dBμV
(THD 3 %)	(87.5 MHz)
	Less than 9 dBμV
	(98.0 MHz/108 MHz)
S/N 50 dB quieting sensitivity:	Less than 35 dBμV
	(98.0 MHz)
Signal to noise ratio:	More than 66 dB
	(98.0 MHz)
Distortion:	Less than 2.0%
	(98.0 MHz)
Stereo separation:	More than 30 dB
	(98.0 MHz)
Intermediate frequency:	10.7 MHz

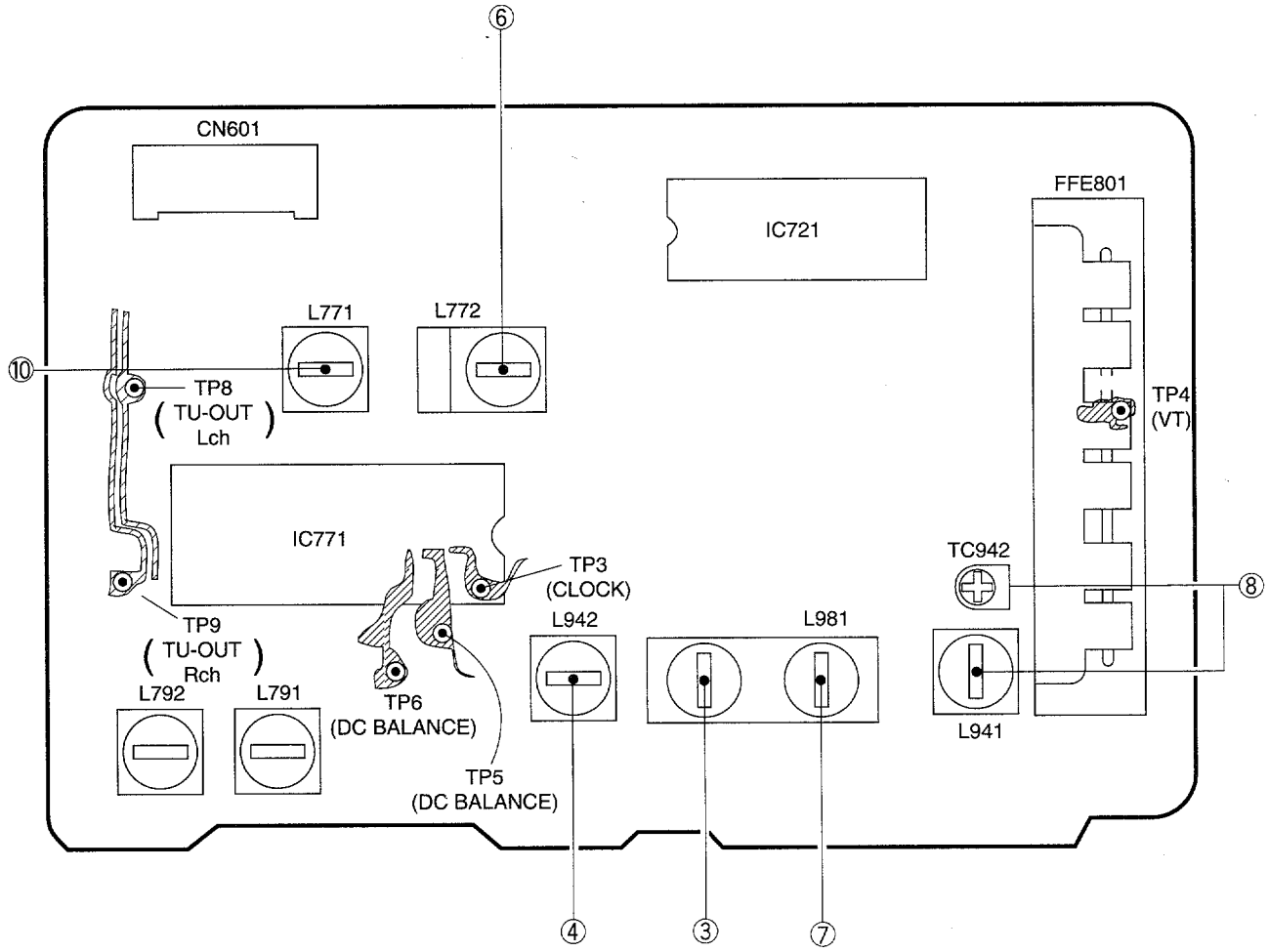
< AM SECTION > [AV-D50LH]

Sensitivity:	Less than 60 dBμV
(S/N 20 dB)	(600 kHz)
	Less than 58 dBμV
	(1000/1400 kHz)
Distortion:	Less than 1.5%
	(1000 kHz)
Auto stop level:	37 dB ~ 62 dB
	(1000 kHz)
Intermediate frequency:	450 kHz

< AM SECTION > [AV-D30HC, D50HC, DV70HC]

Sensitivity:	Less than 60 dBμV
(S/N 20 dB)	(603 kHz)
	Less than 58 dBμV
	(999/1404 kHz)
Distortion:	Less than 1.5%
	(999 kHz)
Auto stop level:	37 dB ~ 62 dB
	(999 kHz)
Intermediate frequency:	450 kHz

ELECTRICAL ADJUSTMENT [AV-D30EZ, D50EZ, DV70EZ]



1. MW VT Check
   Setting:
   Test point: TP4 (VT)
   Method:
   Set to MW 1602 kHz and check that the test point is less than + 8.0 V.
   Then set to MW 531 kHz and check that the test point is more than + 0.6 V.

2. FM VT Check
   Setting
   Test point: TP4 (VT)
   Method
   Set to FM 108.0 MHz and check that the test point is less than + 8.0 V.
   Then set to FM 87.5 MHz and check that the test point is more than + 0.5 V.

3. MW VT Adjustment
   Setting:
   Test point: TP4 (VT)
   Adjustment location: L981 (3/3)
   Method:
   Set to MW 1710 kHz and adjust L981 (3/3) that the test point is 8.5 ± 0.05 V .
   Then set to MW 530 kHz and check that the test point is more than + 0.3 V.

4. LW VT Adjustment
   Setting:
   Test point: TP4 (VT)
   Adjustment location: L942
   Method:
   Set to LW 144 kHz and adjust L942 that the test point is 1.3 ± 0.05 V .
   Then set to LW 290 kHz and check that the test point is more than + 8.0 V.

5. Clock Frequency Check
   Setting:
   Test point: TP3 (CLOCK)
   Method:
   Set to MW 1602 kHz and check that the test point is 2052 kHz ± 45 kHz .

6. AM IF Adjustment
   Setting:
   Test point: TP8 (Lch), TP9 (Rch)
   Adjustment location: L772
   Method:
   Set to AM 999 kHz and adjust L772 that the test point is becomes maximum .

7. AM Tracking Adjustment
   Setting:
      Test point: TP8 (Lch), TP9 (Rch)
      Adjustment location: L981 (1/3)
   Method:
      Set to AM 999 kHz and adjust L981 (1/3) that the test point is becomes maximum.

8. LW Tracking Adjustment
   Setting:
      Test point: TP8 (Lch), TP9 (Rch)
      Adjustment location: L941, TC942
   Method:
      Set up TC942 to center adjustment.
      Set to LW 144 kHz and adjust L941 that the test point is becomes maximum.
      Then set to LW290 kHz and adjust TC942 that the test point is becomes maximum.
      Repeat above procedure 2-3 times.

9. FM Tracking Check
   Setting:
      Test point: TP8 (Lch), TP9 (Rch)
   Method:
      Set to FM 98.0 MHz and check that the test point is less than 10 dBμV.

10. FM DC Balance Adjustment
    Setting:
       Test point: TP5, TP6
       Adjustment location: L771
    Method:
       Set to FM 98.0 MHz and adjust L771 that the test point is 0 ± 0.04 V.

PRACTICAL SERVICE FIGURE [AV-D30EZ, D50EZ, DV70EZ]

TUNER SECTION

<FM SECTION>

IHF sensitivity:	Less than 11 dBμV
(THD 3 %)	(87.5 MHz)
	Less than 10 dBμV
	(98.0 MHz/108 MHz)
S/N 50 dB quieting sensitivity:	Less than 38 dBμV
	(98.0 MHz)
Signal to noise ratio:	More than 66 dB
	(98.0 MHz)
Distortion:	Less than 2.0%
	(98.0 MHz)
Stereo separation:	More than 12 dB
	(98.0 MHz)
Intermediate frequency:	10.7 MHz

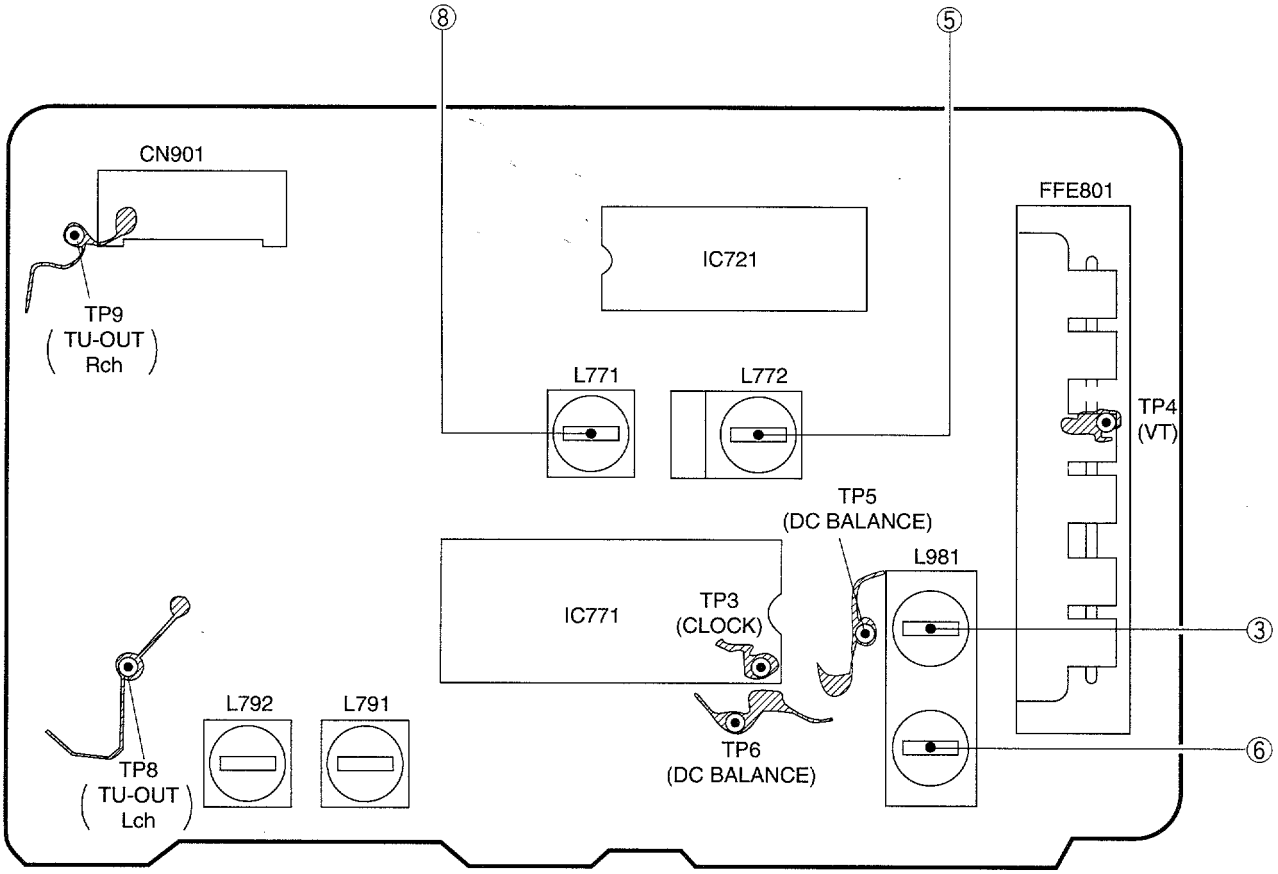
<MW SECTION>

Sensitivity:	Less than 60 dBμV
(S/N 20 dB)	(603 kHz)
	Less than 58 dBμV
	(999/1404 kHz)
Distortion:	Less than 1.5%
	(999 kHz)
Auto stop level:	37 dB ~ 62 dB
	(999 kHz)
Intermediate frequency:	450 kHz

<LW SECTION>

Sensitivity:	Less than 70 dBμV
	(144 kHz)
	Less than 68 dBμV
	(198/290 kHz)

ELECTRICAL ADJUSTMENT [AV-D25]



1. AM VT Check
   Setting:
   Test point: TP4 (VT)
   Method:
   Set to AM 1710 kHz and check that the test point is less than + 8.5 V.
   Then set to AM 530 kHz and check that the test point is more than + 0.6 V.

2. FM VT Check
   Setting
   Test point: TP4 (VT)
   Method
   Set to FM 108.0 MHz and check that the test point is less than + 8.0 V.
   Then set to FM 87.5 MHz and check that the test point is more than + 0.5 V.

3. AM VT Adjustment
   Setting:
   Test point: TP4 (VT)
   Adjustment location: L981 (3/3)
   Method:
   Set to AM 1710 kHz and adjust L981 (3/3) that the test point is 8.5 ± 0.05 V .
   Then set to AM 530 kHz and check that the test point is more than + 0.3 V.

4. Clock Frequency Check
   Setting:
   Test point: TP3 (CLOCK)
   Method:
   Set to AM 1710 kHz and check that the test point is 2160 kHz ± 45 kHz .

5. AM IF Adjustment
   Setting:
   Test point: TP8 (Lch), TP9 (Rch),
   Adjustment location: L772
   Method:
   Set to AM 999 kHz and adjust L772 that the test point is becomes maximum .

6. AM Tracking Adjustment
   Setting:
   Test point: TP8 (Lch), TP9 (Rch),
   Adjustment location: L981 (1/3)
   Method:
   Set to AM 999 kHz and adjust L981 (1/3) that the test point is becomes maximum .

7. FM Tracking Check
   Setting:
      Test point: TP8 (Lch), TP9 (Rch),
   Method:
      Set to FM 98.0 MHz and check that the test point is less than 9 dBμV.

8. FM DC Balance Adjustment
   Setting:
      Test point: TP5, TP6
      Adjustment location: L771
   Method:
      Set to FM 98.0 MHz and adjust L771 that the test point is 0 ± 0.04 V.

PRACTICAL SERVICE FIGURE [AV-D25]

TUNER SECTION

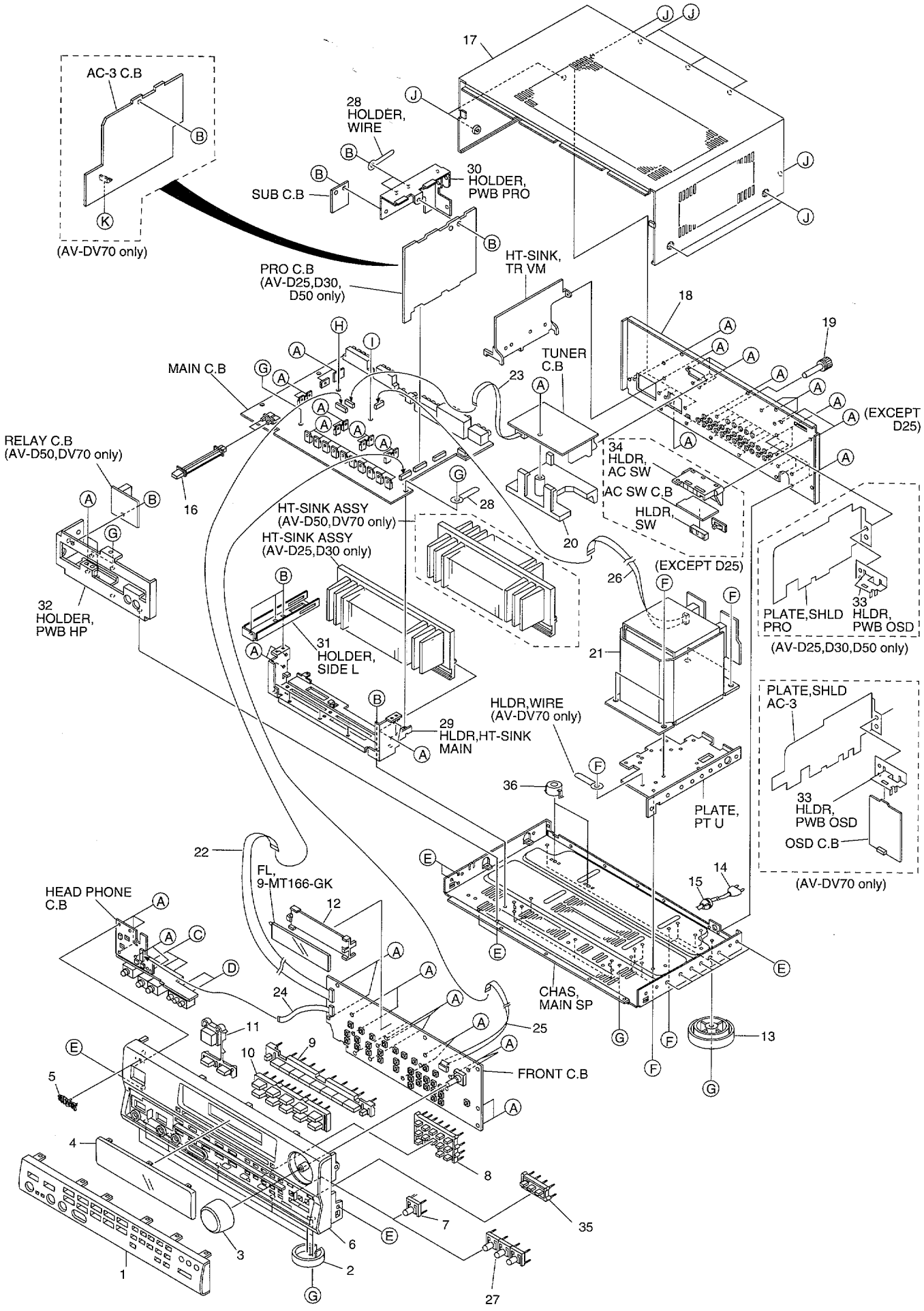
< FM SECTION >

IHF sensitivity:	Less than 10 dBμV
(THD 3 %)	(87.5 MHz)
	Less than 9 dBμV
	(98.0 MHz/108 MHz)
S/N 50 dB quieting sensitivity:	Less than 35 dBμV
	(98.0 MHz)
Signal to noise ratio:	More than 66 dB
	(98.0 MHz)
Distortion:	Less than 2.0%
	(98.0 MHz)
Stereo separation:	More than 30 dB
	(98.0 MHz)
Intermediate frequency:	10.7 MHz

< AM SECTION >

Sensitivity:	Less than 60 dBμV
(S/N 20 dB)	(600 kHz)
	Less than 58 dBμV
	(1000/1400 kHz)
Distortion:	Less than 1.5%
	(1000 kHz)
Auto stop level:	37 dB ~ 62 dB
	(1000 kHz)
Intermediate frequency:	450 kHz

MECHANICAL EXPLODED VIEW 1/1



MECHANICAL PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	88-AR4-005-010		PANEL,CTRL BLK<25>
1	88-AR3-012-010		PANEL,CTRL KARAOKE BLK<30HC>
1	88-AR3-008-010		PANEL,CTRL RDS BLK<30EZ>
1	88-AR2-012-010		PANEL,CTRL BLK<50LH>
1	88-AR2-014-010		PANEL,CTRL KARAOKE BLK<50HC>
1	88-AR2-013-010		PANEL,CTRL RDS BLK<50EZ>
1	88-AR1-004-010		PANEL,CTRL KARAOKE BLK<70HC>
1	88-AR1-016-010		PANEL,CTRL RDS BLK<70EZ>
2	88-AR1-044-010		RING,FOOT BLK
3	88-AR1-045-010		KNOB,RTRY VOL BLK
4	88-AR1-014-010		WINDOW,DISPLAY<EXCEPT 70HC,70EZ>
4	88-AR1-021-010		WINDOW,DISP DIGITAL<70HC,70EZ>
5	82-NE6-067-010		BADGE,AIWA 30N
6	88-AR1-001-110		CABI,FR U BLK<25>
6	88-AR1-027-010		CABI,FR BLK<EXCEPT 25>
7	88-AR1-042-010		KEY,BALANCE BLK<EXCEPT 30HC,50HC,70HC>
8	88-AR3-026-110		KEY,10 BLK<25,30HC,30EZ>
8	88-AR1-039-110		KEY,10 BLK<EXCEPT 25,30HC,30EZ>
9	88-AR2-007-110		KEY,FUN 5.1CH BLK<EXCEPT 70HC,70EZ>
9	88-AR1-037-110		KEY,FUN BLK<70HC,70EZ>
10	88-AR3-025-110		KEY,GEQ BLK<25,30HC,30EZ>
10	88-AR1-038-110		KEY,GEQ BLK<EXCEPT 25,30HC,30EZ>
11	88-AR3-028-110		KEY,POWER BLK<25,30HC,30EZ>
11	88-AR1-036-110		KEY,POWER BLK<EXCEPT 25,30HC,30EZ>
12	88-AR1-209-010		GUIDE,FL
13	88-AR3-013-010		FOOT,REAR<25,30HC,30EZ>
13	82-AA1-029-110		FOOT (SG)<EXCEPT 25,30HC,30EZ>
⚠ 14	87-050-053-010		AC CORD ASSY,U-2<25>
⚠ 14	87-A80-083-010		AC CORD,HC BLK<30HC,70HC>
⚠ 14	87-050-079-010		AC-CORD ASSY,E<EXCEPT 25,30HC,70HC>
15	87-085-189-010		BUSHING, CORD (U)<25>
15	87-085-185-010		BUSHING, AC CORD (E)<EXCEPT 25>
16	88-AR1-043-010		BTN,SP BLK
17	88-AR4-004-010		CABI,STEEL BLK<25>
17	88-AR1-003-010		CABI,STEEL BLK 0.72<EXCEPT 25,70HC,70EZ>
17	88-AR1-035-110		CABI,STEEL BLK 0.92<70HC,70EZ>
18	88-AR4-002-010		PANEL,REAR UBN<25>
18	88-AR3-019-010		PANEL,REAR HCBNM<30HC>
18	88-AR3-022-010		PANEL,REAR EZBNM<30EZ>
18	88-AR2-005-010		PANEL,REAR LHBNM<50LH>
18	88-AR2-006-010		PANEL,REAR HCBNM<50HC>
18	88-AR2-004-010		PANEL,REAR EZBNM<50EZ>
18	88-AR1-029-010		PANEL,REAR HCBNM<70HC>
18	88-AR1-031-010		PANEL,REAR EZBNM<70EZ>
19	87-033-209-010		TERMINAL, EARTH
20	88-AR1-203-010		HLDR,TU
⚠ 21	88-AR4-601-010		PT,8AR-4 (U)<25>
⚠ 21	88-AR3-602-010		PT,8AR-3 (HR)<30HC>
⚠ 21	88-AR3-603-010		PT,8AR-3 (EZ)<30EZ>
⚠ 21	88-AR2-605-010		PT,8AR-2 (LH)<50LH>
⚠ 21	88-AR1-651-010		PT,8AR-1 (HR)<50HC,70HC>
⚠ 21	88-AR1-652-010		PT,8AR-1 (EZ)<50EZ,70EZ>
22	88-AR1-644-010		FF-CABLE, 27P 1.25 400MM<25,50LH>
22	88-AR1-645-010		FF-CABLE, 34P 1.25 400MM<EXCEPT 25,50LH>
23	88-911-161-110		FF-CABLE,11P 1.25
24	88-912-061-110		FF-CABLE, 12P 1.25<EXCEPT 30HC,50HC,70HC>
24	88-916-061-110		FF-CABLE, 16P 1.25<30HC,50HC,70HC>
25	88-AR1-647-010		F-CABLE,12P 1.25 340MM<70HC,70EZ>
26	88-AR1-642-010		F-CABLE,9P -2.5
27	88-AR1-040-010		KEY,MIC BLK<30HC,50HC,70HC>
28	87-064-185-010		HLDR,WIRE
29	88-AR1-202-010		HLDR,HT-SINK MAIN<EXCEPT 30HC,30EZ>
30	88-AR2-201-010		HLDR,PWB PRO
31	88-AR2-203-010		HLDR,SIDE L
32	88-AR2-204-010		HLDR,PWB HP
33	88-AR2-205-010		HLDR,PWB OSD
34	88-AR1-211-010		HLDR,AC SW<30HC,50LH,50HC,70HC>
35	88-AR3-027-110		KEY,KARAOKE BLK<30HC,30EZ>
35	88-AR1-041-110		KEY,KARAOKE BLK<50HC,70HC>
35	88-AR1-019-110		KEY,RDS BLK<50EZ,70EZ>
36	88-AR1-218-010		HLDR,PWB H8.9
A	87-067-703-010		TAPPING SCREW, BVT2+3-10
B	87-067-584-010		TAPPING SCREW, BVT2+3-6
C	81-MK1-210-010		S-SCREW,VFT2+3-16
D	88-AR1-217-010		S-SCREW,BFT2+3-8
E	87-591-094-410		TAPPING SCREW, QIT+3-6
F	87-067-975-010		S-SCREW,IT+4-8
G	87-067-673-010		TAPPING SCREW, BUTT+3-8 (B)
H	87-067-632-010		TAPPING SCREW, BVT2+3-15
I	87-067-581-010		TAPPING SCREW, BVT2+3-15
J	87-067-641-010		UTT2+3-8(W/O SLOT)BL
K	87-067-579-010		TAPPING SCREW, BVT2+3-8<70HC,70EZ>

ACCESSORIES LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	88-AR1-911-010		IB,H(EC-K)M<70HC>
1	88-AR1-906-010		IB,E(9L)M<70EZ>
1	88-AR2-911-010		IB,H(EC-K)M<50HC>
1	88-AR2-906-010		IB,E(9L)M<50EZ>
1	88-AR2-902-010		IB,LH(ESP)M<50LH>
1	88-AR3-911-010		IB,H(EC-K)M<30HC>
1	88-AR3-906-010		IB,E(9L)M<30EZ>
1	88-AR4-903-010		IB,U(ESF)M<25>
2	88-AR1-655-010		RC UNIT,RC-8AR02<70HC,70EZ>
2	88-AR2-654-010		RC UNIT,RC-8AR03<50HC,50EZ,50LH>
2	88-AR2-654-010		RC UNIT,RC-8AR03<30HC,30EZ>
2	88-AR2-654-010		RC UNIT,RC-8AR03<25>
3	87-006-225-010		AM LOOP ANT NC2<70HC,70EZ>
3	87-006-225-010		AM LOOP ANT NC2<50HC,50EZ,50LH>
3	87-006-225-010		AM LOOP ANT NC2<30HC,30EZ>
3	87-006-225-010		AM LOOP ANT NC2<25>
4	87-043-115-010		ANT,FEEDER FM<70HC>
4	87-043-106-010		WIRE, FM ANT (Z)<70EZ>
4	87-043-115-010		ANT,FEEDER FM<50HC,50LH>
4	87-043-106-010		WIRE, FM ANT (Z)<50EZ>
4	87-043-115-010		ANT,FEEDER FM<30HC>
4	87-043-106-010		WIRE, FM ANT (Z)<30EZ>
4	87-043-115-010		ANT,FEEDER FM<25>
5	87-009-724-010		PLUG,CONVERSION IR39<70HC>
5	87-099-789-010		PLUG,ADPTR IR44<50HC,50LH>
5	87-099-789-010		PLUG,ADPTR IR44<30HC>

REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FOTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, M/F	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
FILT	FILTER
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
TC CAP	CAP, CERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER

MECHANICAL SECTION

DESCRIPTION	REFERENCE NAME
ADHESHIVE	SHEET ADHESHIVE
AZ	AZIMUTH
BAR-ANT	BAR-ANTENNA
BAT	BATTERY
BATT	BATTERY
BRG	BEARING
BTN	BUTTON
CAB	CABINET
CASS	CASSETTE
CHAS	CHASSIS
CLR	COLLAR
CONT	CONTROL
CRSR	CURSOR
CU	CUSHION
CUSH	CUSHION
DIR	DIRECTION
DUBB	DUBBING
FL	FRONT LOADING
FLY-WHL	FLYWHEEL
FR	FRONT
FUN	FUNCTION
G-CU	G-CUSHION
HDL	HANDOL
HIMERON	CLOTH
HINGE, BAT	HINGE, BATTERY
HLDR	HOLDER
HT-SINK	HEAT SINK
IB	INSTRUCTION BOOKLET
IDLE	IDLER
IND, L-R	INDICATOR, L-R
KEY, CONT	KEY, CONTROL
KEY, PRGM	KEY, PROGRAM
KNOB, SL	KNOB, SLIDE
LBL	LABEL
LID, BATT	LID, BATTERY
LID, CASS	LID, CASSETTE
LVR	LEVER
P-SP	P-SPRING
PANEL, CONT	PANEL, CONTROL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOAD MOTOR
RBN	RIBBON
S-	SPECIAL
SEG	SEGMENT
SH	SHEET
SHLD-SH	SHIELD-SHEET
SL	SLIDE
SP	SPRING
SP-SCREW	SPECIAL-SCREW
SPACER, BAT	SPACER, BATTERY
SPR	SPRING
SPR-P	P-SPRING
SPR-PC-PUSH	P-SPRING, C-PUSH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL
WORM-WHL	WORM-WHEEL

サービス技術ニュース	
番号	連絡内容
G— —	
G— —	
G— —	

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