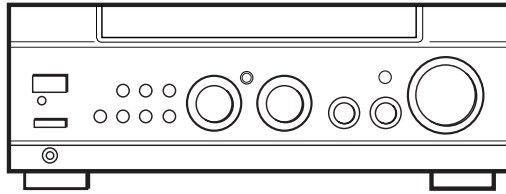


SIMPLE-2



SERVICE MANUAL

AV SURROUND RECEIVER

A part of contents is adequate.

Re-issuing is under request.

aiwa

S/M Code No. 09-028-358-2N2



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SPECIFICATIONS - 1/1

FM tuner section

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	16.8 dBf
Antenna terminal	75 ohms (unbalanced)

AM tuner section

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

Amplifier section

Power output	Front Rated: 70 W + 70 W (8 ohms, T.H.D. 1%, 1 kHz/DIN 45500) Reference: 90 W + 90 W (8 ohms, T.H.D. 10%, 1 kHz/DIN 45324) DIN MUSIC POWER : 140 W + 140 W <EZMODEL> Rear (surround) Rated: 70 W + 70 W (8 ohms, T.H.D. 1%, 1 kHz/DIN 45500) Reference: 90 W + 90 W (8 ohms, T.H.D. 10%, 1 kHz/DIN 45324) DIN MUSIC POWER : 140 W + 140 W <EZMODEL> Centre Rated: 70 W (8 ohms, T.H.D. 1%, 1 kHz/DIN 45500) Reference: 90 W (8 ohms, T.H.D. 10%, 1 kHz/DIN 45324) DIN MUSIC POWER : 140 W <EZMODEL>
---------------------	--

Total harmonic distortion

0.1% (50W, 1 kHz, 8 ohms, front)

Inputs

AUDIO IN
DVD: 350 mV, adjustable (47 kohms)
VIDEO 2/LD/TV: 350 mV, adjustable (47 kohms)
VIDEO 1/MD: 350 mV, adjustable (47 kohms)
TAPE: 350mV, adjustable (47 kohms)
AUX: 350mV, adjustable (47 kohms)
CD: 350mV, adjustable (47 kohms)
DIGITAL IN
COAXIAL (VIDEO 2):
OPTICAL (VIDEO 1):
OPTICAL (DVD):
accept linear PCM signals and bit stream of Dolby Digital and DTS surround (32 kHz, 44.1 kHz and 48 kHz)
VIDEO IN
DVD: 1 Vp-p (75 ohms)
VIDEO 2/LD/TV: 1 Vp-p (75 ohms)
VIDEO 1/MD: 1 Vp-p (75 ohms)

Outputs

AUDIO OUT
VIDEO 1/MD: 350 mV (1 kohm)
TAPE: 350 mV (1 kohm)
VIDEO OUT
VIDEO 1/MD: 1 Vp-p (75 ohm)
MONITOR: 1 Vp-p (75 ohm)
SUB WOOFER: 4.0 V
FRONT SPEAKERS: accept speakers of 8 ohms or more.
SURROUND SPEAKERS: accept speakers of 8 ohms or more.
CENTER SPEAKER: accept speaker of 8 ohms or more.
PHONES (stereo jack): accepts headphones of 32 ohms or more
-20 dB

Muting

General

Power requirements	230 V AC, 50 Hz
Power consumption	165 W
Dimensions (W × H × D)	430 × 155.5 × 345.5 mm
Weight	7.7 kg

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- Manufactured under license from Digital Theater Systems, Inc. US Pat. No. 5,451,942 and other world-wide patents issued and pending. "DTS" and "DTS Digital Surround" are trademarks of Digital Theater Systems, Inc. ©1996 Digital Theater Systems, Inc. All rights reserved.

ACCESSORIES PARTS LIST - 1/1

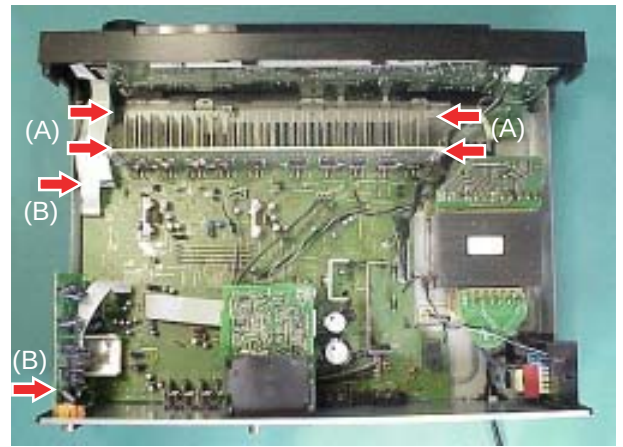
! = ⚠ SAFETY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
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Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
		0 AS1001	87-006-226-010	ANT, LOOP AM	X a	b	c
		0 AS1002	87-A92-346-010	ANT, WIRE FM(FASTEN)	X a	b	c
		0 AS1003	8C-AR6-711-010	RC UNIT, RC-CAR02	a	b	c
	!	0 AS1004	87-099-811-010	PLUG, ADPTR CONV(K)	X .	.	c
		0 AS1005	8C-AR6-905-010	IB, K(E)S AV-NW30	.	.	c
		0 AS1006	8C-AR6-906-010	IB, EZ(9L)S AV-NW30	a	b	.

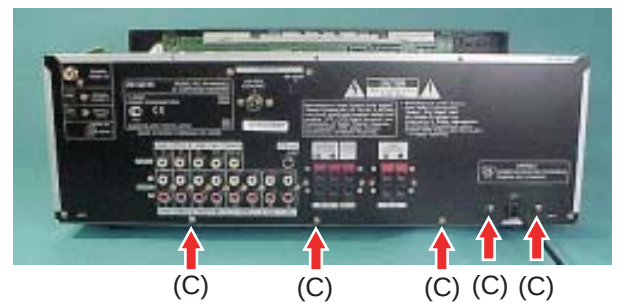
SERVICE POSITION - 1/1

1. Service Position of the MAIN Board

- (1) Remove the four screws (A) securing the heat sink and the two screws (B) Securing the MAIN board.



- (2) Remove the five screws (C).



- (3) Lift up the rear panel together with the MAIN board.



- (4) Service position of the MAIN board.



ELECTRICAL PARTS LIST - 1/24

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL			
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC	
AC1		0 W	0002	8C-AR6-629-010	CONN ASSY,1P BROWN	a	b	c
AC1		0 W	0003	8C-AR6-630-010	CONN ASSY,1P BLUE	a	b	c
AC2		0	CNA0002	8C-AR6-626-010	CONN ASSY,9P VH	a	b	c
AC2	!	0 PT	0001	8C-AR6-608-010	PT,EZ CAR-6	a	b	c
AC2		0 WH	0001	87-A90-510-010	HLDR,WIRE 2.5-9P	a	b	c
DSP		0 C	0001	87-010-101-080	CAP,E 220-16 M SME	a	b	c
DSP		0 C	0002	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0003	87-010-401-010	CAP,E 1-50 M SME	a	b	c
DSP		0 C	0004	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0005	87-010-401-010	CAP,E 1-50 M SME	a	b	c
DSP		0 C	0006	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0013	87-010-248-080	CAP,E 220-10 M 11L SME	a	b	c
DSP		0 C	0014	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0101	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0102	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0111	87-012-270-080	C-CAP,U 470P-50 K B GRM	a	b	c
DSP		0 C	0112	87-012-270-080	C-CAP,U 470P-50 K B GRM	a	b	c
DSP		0 C	0113	87-012-188-080	C-CAP,U 47P-50 J CH GRM	a	b	c
DSP		0 C	0114	87-012-188-080	C-CAP,U 47P-50 J CH GRM	a	b	c
DSP		0 C	0115	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0116	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0117	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0118	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0121	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c
DSP		0 C	0122	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c
DSP		0 C	0123	87-A10-369-080	C-CAP,S 0.47-16 K B	a	b	c
DSP		0 C	0124	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0125	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0127	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0128	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0201	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0202	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0211	87-012-270-080	C-CAP,U 470P-50 K B GRM	a	b	c
DSP		0 C	0212	87-012-270-080	C-CAP,U 470P-50 K B GRM	a	b	c
DSP		0 C	0213	87-012-188-080	C-CAP,U 47P-50 J CH GRM	a	b	c
DSP		0 C	0214	87-012-188-080	C-CAP,U 47P-50 J CH GRM	a	b	c
DSP		0 C	0215	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0216	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0217	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0218	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0221	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c
DSP		0 C	0222	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c
DSP		0 C	0223	87-A10-369-080	C-CAP,S 0.47-16 K B	a	b	c
DSP		0 C	0224	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0225	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0227	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0228	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0301	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0302	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0311	87-012-270-080	C-CAP,U 470P-50 K B GRM	a	b	c
DSP		0 C	0312	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c
DSP		0 C	0313	87-012-188-080	C-CAP,U 47P-50 J CH GRM	a	b	c
DSP		0 C	0314	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
DSP		0 C	0315	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0316	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0317	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0318	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0321	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c
DSP		0 C	0322	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c
DSP		0 C	0323	87-A10-369-080	C-CAP,S 0.47-16 K B	a	b	c
DSP		0 C	0324	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0325	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0327	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0328	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0401	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0402	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0403	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0404	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0405	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0406	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0407	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0408	87-010-402-080	CAP,E 2.2-50 M 11L SME	a	b	c
DSP		0 C	0409	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0410	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0411	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0412	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		0 C	0413	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c
DSP		0 C	0451	87-012-180-080	C-CAP,U 22P-50 J CH GRM	a	b	c
DSP		0 C	0452	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		0 C	0453	87-A11-148-080	CAP,TC U 0.1-50 Z F	a	b	c

ELECTRICAL PARTS LIST - 2/24

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
DSP		O C	0461 87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b	c
DSP		O C	0471 87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b	c
DSP		O C	0501 87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
DSP		O C	0502 87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		O C	0503 87-012-170-080	C-CAP,U 8P-50 D CH GRM	a	b	c
DSP		O C	0504 87-012-176-080	C-CAP,U 15P-50 J CH GRM	a	b	c
DSP		O C	0505 87-010-263-080	CAP,E 100-10 M 11L SME	a	b	c
DSP		O C	0506 87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		O C	0507 87-A10-039-080	C-CAP,U 470P-50 J CH	a	b	c
DSP		O C	0508 87-010-374-080	CAP,E 47-10 M 11L SME	a	b	c
DSP		O C	0509 87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		O C	0510 87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		O C	0511 87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		O C	0512 87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		O C	0513 87-010-404-080	CAP,E 4.7-50 M 11L SME	a	b	c
DSP		O C	0514 87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
DSP		O C	0515 87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
DSP		O C	0516 87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
DSP		O C	0517 87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
DSP		O C	0518 87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
DSP		O C	0519 87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		O C	0520 87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		O C	0521 87-010-401-080	CAP,E 1-50 M 11L SME	a	b	c
DSP		O C	0522 87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
DSP		O C	0523 87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c
DSP		O CN	0101 87-099-014-010	CONN,12P V BLK 6216	a	b	c
DSP		O CN	0102 87-A61-013-010	CONN,15P H BLK TAC-L15P-A3	a	b	c
DSP		S D	0501 87-020-465-080	DIODE,1SS133	a	b	c
DSP		S D	0502 87-A40-740-080	ZENER,UZ3.3BSA	a	b	c
DSP		S D	0503 87-020-465-080	DIODE,1SS133	a	b	c
DSP		O FB	0011 87-008-372-080	FLTR,EMI BL01 RN1	a	b	c
DSP		X FB	0401 88-108-000-080	C-JUMPER,U	a	b	c
DSP		O FB	0402 87-005-512-080	C-COIL,2125 80H BLM21	a	b	c
DSP		O FB	0403 87-005-512-080	C-COIL,2125 80H BLM21	a	b	c
DSP		O FB	0405 87-005-512-080	C-COIL,2125 80H BLM21	a	b	c
DSP		O FB	0406 87-005-512-080	C-COIL,2125 80H BLM21	a	b	c
DSP		X FB	0408 88-108-000-080	C-JUMPER,U	a	b	c
DSP		O FB	0501 87-005-512-080	C-COIL,2125 80H BLM21	a	b	c
DSP		O FB	0502 87-005-512-080	C-COIL,2125 80H BLM21	a	b	c
DSP		O FB	0503 87-005-512-080	C-COIL,2125 80H BLM21	a	b	c
DSP		O FB	0504 87-005-512-080	C-COIL,2125 80H BLM21	a	b	c
DSP		O FB	0505 87-005-512-080	C-COIL,2125 80H BLM21	a	b	c
DSP		O FB	0506 87-005-512-080	C-COIL,2125 80H BLM21	a	b	c
DSP		O FB	0507 87-005-512-080	C-COIL,2125 80H BLM21	a	b	c
DSP		O FB	0508 87-005-512-080	C-COIL,2125 80H BLM21	a	b	c
DSP		S IC	0001 87-A21-363-010	IC,NJM7805FA(A)	a	b	c
DSP		S IC	0011 87-A20-736-010	IC,BA033ST	a	b	c
DSP		S IC	0101 87-A21-760-040	C-IC,NJM4580V	a	b	c
DSP		S IC	0102 87-A21-760-040	C-IC,NJM4580V	a	b	c
DSP		S IC	0201 87-A21-760-040	C-IC,NJM4580V	a	b	c
DSP		S IC	0202 87-A21-760-040	C-IC,NJM4580V	a	b	c
DSP		S IC	0301 87-A21-760-040	C-IC,NJM4580V	a	b	c
DSP		S IC	0302 87-A21-760-040	C-IC,NJM4580V	a	b	c
DSP		S IC	0401 87-A22-266-030	C-IC,AK4586	a	b	c
DSP		S IC	0461 87-A21-974-010	IC,GP1FA551RZ	a	b	c
DSP		S IC	0471 87-A21-974-010	IC,GP1FA551RZ	a	b	c
DSP		S IC	0501 87-A21-500-010	C-IC,YSS912	a	b	c
DSP		O J	0451 87-A61-861-010	JACK,PIN 1P ORN W/E	a	b	c
DSP		X JR	0401 88-108-000-080	C-JUMPER,U	a	b	c
DSP		O JR	0402 87-005-512-080	C-COIL,2125 80H BLM21	a	b	c
DSP		X JR	0501 88-108-000-080	C-JUMPER,U	a	b	c
DSP		X JR	0502 88-108-000-080	C-JUMPER,U	a	b	c
DSP		X JR	0503 88-108-000-080	C-JUMPER,U	a	b	c
DSP		S Q	0501 87-A30-076-080	C-TR,2SC3052F	a	b	c
DSP		S Q	0502 87-A30-429-040	C-TR,DTC123JKA	a	b	c
DSP		X R	0011 88-130-100-080	RES,10-1/4W J	a	b	c
DSP		X R	0012 88-130-100-080	RES,10-1/4W J	a	b	c
DSP		X R	0101 88-108-104-080	C-RES,U 100K-1/16W J	a	b	c
DSP		X R	0102 88-108-104-080	C-RES,U 100K-1/16W J	a	b	c
DSP		X R	0103 88-118-000-080	C-JUMPER,S	a	b	c
DSP		X R	0104 88-118-000-080	C-JUMPER,S	a	b	c
DSP		O R	0105 88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
DSP		O R	0106 88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
DSP		O R	0107 88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
DSP		O R	0108 88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
DSP		O R	0111 88-108-223-080	C-RES,U 22K-1/16W J	a	b	c
DSP		O R	0112 88-108-223-080	C-RES,U 22K-1/16W J	a	b	c
DSP		O R	0113 88-108-223-080	C-RES,U 22K-1/16W J	a	b	c
DSP		O R	0114 88-108-223-080	C-RES,U 22K-1/16W J	a	b	c
DSP		O R	0117 88-108-473-080	C-RES,U 47K-1/16W J	a	b	c

ELECTRICAL PARTS LIST - 3/24

! = ⚠ SAFETY PARTS

C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
					AV -NW30 EZSC	AV -NW30 EZBC	AV -NW30 KSC
DSP		O R	0118 88-108-473-080	C-RES, U 47K-1/16W J	a	b	c
DSP		X R	0119 88-108-472-080	C-RES, U 4.7K-1/16W J	a	b	c
DSP		O R	0121 88-108-332-080	C-RES, U 3.3K-1/16W J	a	b	c
DSP		O R	0122 88-108-332-080	C-RES, U 3.3K-1/16W J	a	b	c
DSP		X R	0127 88-118-000-080	C-JUMPER, S	a	b	c
DSP		X R	0128 88-118-000-080	C-JUMPER, S	a	b	c
DSP		O R	0129 88-108-822-080	C-RES, U 8.2K-1/16W J	a	b	c
DSP		O R	0130 88-108-822-080	C-RES, U 8.2K-1/16W J	a	b	c
DSP		X R	0131 88-108-104-080	C-RES, U 100K-1/16W J	a	b	c
DSP		X R	0132 88-108-104-080	C-RES, U 100K-1/16W J	a	b	c
DSP		X R	0133 88-108-471-080	C-RES, U 470-1/16W J	a	b	c
DSP		X R	0134 88-108-471-080	C-RES, U 470-1/16W J	a	b	c
DSP		X R	0135 88-108-104-080	C-RES, U 100K-1/16W J	a	b	c
DSP		X R	0136 88-108-104-080	C-RES, U 100K-1/16W J	a	b	c
DSP		X R	0141 88-108-000-080	C-JUMPER, U	a	b	c
DSP		X R	0142 88-108-000-080	C-JUMPER, U	a	b	c
DSP		X R	0143 88-108-000-080	C-JUMPER, U	a	b	c
DSP		X R	0144 88-108-000-080	C-JUMPER, U	a	b	c
DSP		X R	0145 88-108-000-080	C-JUMPER, U	a	b	c
DSP		X R	0146 88-108-000-080	C-JUMPER, U	a	b	c
					AV -NW30 EZSC	AV -NW30 EZBC	AV -NW30 KSC
DSP		X R	0147 88-108-000-080	C-JUMPER, U	a	b	c
DSP		X R	0148 88-108-000-080	C-JUMPER, U	a	b	c
DSP		X R	0149 88-108-000-080	C-JUMPER, U	a	b	c
DSP		X R	0150 88-108-331-080	C-RES, U 330-1/16W J	a	b	c
DSP		X R	0201 88-108-104-080	C-RES, U 100K-1/16W J	a	b	c
DSP		X R	0202 88-108-104-080	C-RES, U 100K-1/16W J	a	b	c
DSP		X R	0203 88-118-000-080	C-JUMPER, S	a	b	c
DSP		X R	0204 88-118-000-080	C-JUMPER, S	a	b	c
DSP		O R	0205 88-108-102-080	C-RES, U 1K-1/16W J	a	b	c
DSP		O R	0206 88-108-102-080	C-RES, U 1K-1/16W J	a	b	c
DSP		O R	0207 88-108-103-080	C-RES, U 10K-1/16W J	a	b	c
DSP		O R	0208 88-108-103-080	C-RES, U 10K-1/16W J	a	b	c
DSP		O R	0211 88-108-223-080	C-RES, U 22K-1/16W J	a	b	c
DSP		O R	0212 88-108-223-080	C-RES, U 22K-1/16W J	a	b	c
DSP		O R	0213 88-108-223-080	C-RES, U 22K-1/16W J	a	b	c
DSP		O R	0214 88-108-223-080	C-RES, U 22K-1/16W J	a	b	c
DSP		O R	0215 88-108-332-080	C-RES, U 3.3K-1/16W J	a	b	c
DSP		O R	0216 88-108-332-080	C-RES, U 3.3K-1/16W J	a	b	c
DSP		O R	0217 88-108-473-080	C-RES, U 47K-1/16W J	a	b	c
DSP		O R	0218 88-108-473-080	C-RES, U 47K-1/16W J	a	b	c
					AV -NW30 EZSC	AV -NW30 EZBC	AV -NW30 KSC
DSP		X R	0219 88-108-472-080	C-RES, U 4.7K-1/16W J	a	b	c
DSP		X R	0227 88-108-000-080	C-JUMPER, U	a	b	c
DSP		X R	0228 88-108-000-080	C-JUMPER, U	a	b	c
DSP		O R	0229 88-108-822-080	C-RES, U 8.2K-1/16W J	a	b	c
DSP		O R	0230 88-108-822-080	C-RES, U 8.2K-1/16W J	a	b	c
DSP		X R	0231 88-108-104-080	C-RES, U 100K-1/16W J	a	b	c
DSP		X R	0232 88-108-104-080	C-RES, U 100K-1/16W J	a	b	c
DSP		X R	0233 88-108-471-080	C-RES, U 470-1/16W J	a	b	c
DSP		X R	0234 88-108-471-080	C-RES, U 470-1/16W J	a	b	c
DSP		X R	0235 88-108-104-080	C-RES, U 100K-1/16W J	a	b	c
DSP		X R	0236 88-108-104-080	C-RES, U 100K-1/16W J	a	b	c
DSP		X R	0301 88-108-104-080	C-RES, U 100K-1/16W J	a	b	c
DSP		X R	0302 88-108-104-080	C-RES, U 100K-1/16W J	a	b	c
DSP		X R	0303 88-118-000-080	C-JUMPER, S	a	b	c
DSP		X R	0304 88-118-000-080	C-JUMPER, S	a	b	c
DSP		O R	0305 88-108-102-080	C-RES, U 1K-1/16W J	a	b	c
DSP		O R	0306 88-108-102-080	C-RES, U 1K-1/16W J	a	b	c
DSP		O R	0307 88-108-103-080	C-RES, U 10K-1/16W J	a	b	c
DSP		O R	0308 88-108-103-080	C-RES, U 10K-1/16W J	a	b	c
DSP		O R	0311 88-108-223-080	C-RES, U 22K-1/16W J	a	b	c
					AV -NW30 EZSC	AV -NW30 EZBC	AV -NW30 KSC
DSP		X R	0312 88-108-000-080	C-JUMPER, U	a	b	c
DSP		O R	0313 88-108-223-080	C-RES, U 22K-1/16W J	a	b	c
DSP		O R	0314 88-108-223-080	C-RES, U 22K-1/16W J	a	b	c
DSP		O R	0315 88-108-332-080	C-RES, U 3.3K-1/16W J	a	b	c
DSP		O R	0317 88-108-473-080	C-RES, U 47K-1/16W J	a	b	c
DSP		O R	0318 88-108-473-080	C-RES, U 47K-1/16W J	a	b	c
DSP		X R	0319 88-108-472-080	C-RES, U 4.7K-1/16W J	a	b	c
DSP		X R	0327 88-108-000-080	C-JUMPER, U	a	b	c
DSP		X R	0328 88-108-000-080	C-JUMPER, U	a	b	c
DSP		O R	0329 88-108-822-080	C-RES, U 8.2K-1/16W J	a	b	c
DSP		O R	0330 88-108-822-080	C-RES, U 8.2K-1/16W J	a	b	c
DSP		X R	0331 88-108-104-080	C-RES, U 100K-1/16W J	a	b	c
DSP		X R	0332 88-108-104-080	C-RES, U 100K-1/16W J	a	b	c
DSP		X R	0333 88-108-471-080	C-RES, U 470-1/16W J	a	b	c
DSP		X R	0334 88-108-471-080	C-RES, U 470-1/16W J	a	b	c
DSP		X R	0335 88-108-104-080	C-RES, U 100K-1/16W J	a	b	c
DSP		X R	0336 88-108-104-080	C-RES, U 100K-1/16W J	a	b	c
DSP		O R	0338 88-108-332-080	C-RES, U 3.3K-1/16W J	a	b	c
DSP		O R	0401 88-108-101-080	C-RES, U 100-1/16W J	a	b	c
DSP		O R	0402 88-108-101-080	C-RES, U 100-1/16W J	a	b	c

ELECTRICAL PARTS LIST - 4/24

! =  SAFETY PARTS

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL			
						AV - NW30 EZSC	AV - NW30 EZBC	AV - NW30 KSC	
DSP		O	R	0403	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
DSP		O	R	0404	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
DSP		O	R	0405	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
DSP		O	R	0406	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
DSP		O	R	0407	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
DSP		O	R	0408	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
DSP		O	R	0409	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
DSP		O	R	0410	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
DSP		X	R	0411	88-108-183-080	C-RES,U 18K-1/16W J	a	b	c
DSP		X	R	0412	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c
DSP		X	R	0413	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c
DSP		X	R	0415	88-108-331-080	C-RES,U 330-1/16W J	a	b	c
DSP		X	R	0416	88-108-331-080	C-RES,U 330-1/16W J	a	b	c
DSP		X	R	0417	88-108-331-080	C-RES,U 330-1/16W J	a	b	c
DSP		X	R	0418	88-108-331-080	C-RES,U 330-1/16W J	a	b	c
DSP		X	R	0419	88-108-331-080	C-RES,U 330-1/16W J	a	b	c
DSP		X	R	0420	88-108-331-080	C-RES,U 330-1/16W J	a	b	c
DSP		X	R	0451	88-118-820-080	C-RES,S 82-1/10W J	a	b	c
DSP		X	R	0460	88-128-100-010	C-RES, 10-1/8W J	a	b	c
DSP		X	R	0461	88-118-471-080	C-RES,S 470-1/10W J	a	b	c
							AV - NW30 EZSC	AV - NW30 EZBC	AV - NW30 KSC
DSP		X	R	0471	88-118-471-080	C-RES,S 470-1/10W J	a	b	c
DSP		X	R	0501	88-108-391-080	C-RES,U 390-1/16W J	a	b	c
DSP		X	R	0502	88-108-105-080	C-RES,U 1M-1/16W J	a	b	c
DSP		X	R	0503	88-108-271-080	C-RES,U 270-1/16W J	a	b	c
DSP		O	R	0504	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
DSP		O	R	0505	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
DSP		O	R	0506	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
DSP		O	R	0507	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
DSP		X	R	0508	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c
DSP		O	R	0509	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
DSP		O	R	0510	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
DSP		O	R	0511	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
DSP		O	R	0512	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
DSP		O	R	0513	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
DSP		X	R	0514	88-108-100-080	C-RES,U 10-1/16W J	a	b	c
DSP		X	R	0515	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b	c
DSP		O	R	0516	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
DSP		O	R	0517	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
DSP		O	R	0518	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
DSP		O	R	0519	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
							AV - NW30 EZSC	AV - NW30 EZBC	AV - NW30 KSC
DSP		X	R	0563	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c
DSP		O	X	0501	87-A70-115-010	VIB,XTAL 12.288MHZ	a	b	c
FRONT		O	C	0101	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
FRONT		O	C	0102	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
FRONT		O	C	0103	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c
FRONT		O	C	0104	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
FRONT		O	C	0105	87-012-176-080	C-CAP,U 15P-50 J CH GRM	a	b	c
FRONT		O	C	0106	87-012-198-080	C-CAP,U 180P-50 J CH GRM	a	b	c
FRONT		O	C	0107	87-A10-039-080	C-CAP,U 470P-50 J CH	a	b	c
FRONT		O	C	0108	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
FRONT		O	C	0109	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c
FRONT		O	C	0112	87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b	c
FRONT		O	C	0119	87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b	c
FRONT		O	C	0120	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
FRONT		O	C	0121	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
FRONT		O	C	0122	87-A11-242-080	CAP,E 220-10 M 5L SRM	a	b	c
FRONT		O	C	0123	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
FRONT		O	C	0124	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
FRONT		O	C	0125	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
FRONT		O	C	0126	87-010-408-080	CAP,E 47-50 M 11L SME	a	b	c
							AV - NW30 EZSC	AV - NW30 EZBC	AV - NW30 KSC
FRONT		O	C	0127	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
FRONT		O	C	0130	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
FRONT		O	C	0159	87-012-336-080	C-CAP,U 330P-50 J SL GRM	a	b	c
FRONT		O	C	0160	87-012-336-080	C-CAP,U 330P-50 J SL GRM	a	b	c
FRONT		O	C	0161	87-012-336-080	C-CAP,U 330P-50 J SL GRM	a	b	c
FRONT		O	C	0162	87-012-336-080	C-CAP,U 330P-50 J SL GRM	a	b	c
FRONT		O	C	0163	87-012-336-080	C-CAP,U 330P-50 J SL GRM	a	b	c
FRONT		O	C	0164	87-012-336-080	C-CAP,U 330P-50 J SL GRM	a	b	c
FRONT		O	C	0165	87-012-336-080	C-CAP,U 330P-50 J SL GRM	a	b	c
FRONT		O	C	0166	87-012-336-080	C-CAP,U 330P-50 J SL GRM	a	b	c
FRONT		O	C	0167	87-012-336-080	C-CAP,U 330P-50 J SL GRM	a	b	c
FRONT		O	C	0168	87-012-336-080	C-CAP,U 330P-50 J SL GRM	a	b	c
FRONT		O	C	0169	87-012-336-080	C-CAP,U 330P-50 J SL GRM	a	b	c
FRONT		O	C	0201	87-010-387-080	CAP,E 470-25 M SME	a	b	c
FRONT		O	C	0202	87-010-385-080	CAP,E 220-25 M SME	a	b	c
FRONT		O	C	0203	87-010-785-080	C-CAP,U 0.015-25 K B GRM	a	b	c
FRONT		O	C	0204	87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b	c
FRONT		O	C	0205	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
FRONT		O	C	0206	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
FRONT		O	C	0207	87-010-248-040	CAP,E 220-10 M 11L SME	a	b	c

ELECTRICAL PARTS LIST - 5/24

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					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
FRONT	O C	0211	87-010-677-080	CAP,E 0.15-50 M 7L SRA	a	b	c
FRONT	O C	0215	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c
FRONT	O C	0331	87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b	c
FRONT	O C	0332	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c
FRONT	O C	0341	87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b	c
FRONT	O C	0342	87-010-787-080	C-CAP,U 0.022-25 K B GRM	a	b	c
FRONT	O C	0343	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c
FRONT	O C	0351	87-010-787-080	C-CAP,U 0.022-25 K B GRM	a	b	c
FRONT	O C	0352	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c
FRONT	O C	0421	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
FRONT	O C	0422	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
FRONT	O C	0423	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
FRONT	O C	0424	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
FRONT	O C	0425	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
FRONT	O C	0426	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
FRONT	O C	0427	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
FRONT	O C	0428	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
FRONT	O C	0429	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
FRONT	O C	0430	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
FRONT	O CN	0401	87-099-202-010	CONN,9P H BLK 6216	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
FRONT	O CN	0404	87-099-029-010	CONN,12P H BLK 6216	a	b	c
FRONT	O CN	0405	87-099-039-010	CONN,22P H BLK 6216	a	b	.
FRONT	O CN	0407	87-099-033-010	CONN,16P H BLK 6216	.	.	c
FRONT	O CNA	0401	88-805-083-690	CONN ASSY,8P V WHT 360 MM	a	b	c
FRONT	S D	0102	87-020-465-080	DIODE,1SS133	a	b	.
FRONT	S D	0104	87-020-465-080	DIODE,1SS133	a	b	c
FRONT	S D	0106	87-020-465-080	DIODE,1SS133	a	b	c
FRONT	S D	0110	87-020-465-080	DIODE,1SS133	a	b	c
FRONT	S D	0201	87-A40-748-080	ZENER,UZ5.6BSA	a	b	c
FRONT	S D	0202	87-020-465-080	DIODE,1SS133	a	b	c
FRONT	S D	0203	87-020-465-080	DIODE,1SS133	a	b	c
FRONT	S D	0211	87-020-465-080	DIODE,1SS133	a	b	c
FRONT	O FL	0101	8C-AR6-601-010	FL,HNA-11SM25 CAR-6	a	b	c
FRONT	S IC	0101	8C-AR6-602-030	C-IC,UPD780228GF-090	a	b	c
FRONT	S IC	0102	87-A21-831-010	IC,SPS-442-1-F1	a	b	c
FRONT	X JR	0101	88-108-000-080	C-JUMPER,U	a	b	c
FRONT	X JR	0102	88-108-000-080	C-JUMPER,U	a	b	c
FRONT	X JR	0103	88-108-000-080	C-JUMPER,U	a	b	c
FRONT	X JR	0104	88-108-000-080	C-JUMPER,U	a	b	c
FRONT	X JR	0105	88-108-000-080	C-JUMPER,U	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
FRONT	X JR	0106	88-108-000-080	C-JUMPER,U	a	b	c
FRONT	X JR	0401	88-108-000-080	C-JUMPER,U	a	b	c
FRONT	X JR	0402	88-108-000-080	C-JUMPER,U	a	b	c
FRONT	X JR	0403	88-108-000-080	C-JUMPER,U	a	b	c
FRONT	O L	0101	87-A50-655-010	COIL,CLK 4.19MHZ (TOKO)7KLY	a	b	c
FRONT	S Q	0101	87-A30-538-040	C-TR,SRA2202S	a	b	c
FRONT	S Q	0102	87-A30-071-080	C-TR,RT1N 144C	a	b	c
FRONT	S Q	0103	87-A30-087-080	C-FET,2SK2158	a	b	c
FRONT	S Q	0201	87-A30-494-080	TR,2SA1980G	a	b	c
FRONT	S Q	0202	87-A30-076-080	C-TR,2SC3052F	a	b	c
FRONT	S Q	0203	87-A30-076-080	C-TR,2SC3052F	a	b	c
FRONT	S Q	0204	87-A30-538-040	C-TR,SRA2202S	a	b	c
FRONT	S Q	0211	87-A30-076-080	C-TR,2SC3052F	a	b	c
FRONT	O R	0100	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
FRONT	O R	0101	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
FRONT	X R	0102	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c
FRONT	X R	0103	88-108-152-080	C-RES,U 1.5K-1/16W J	a	b	c
FRONT	X R	0104	88-108-152-080	C-RES,U 1.5K-1/16W J	a	b	c
FRONT	X R	0105	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c
FRONT	O R	0109	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
FRONT	O R	0110	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
FRONT	O R	0111	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
FRONT	O R	0112	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
FRONT	O R	0113	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
FRONT	O R	0114	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
FRONT	O R	0115	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
FRONT	X R	0120	88-121-563-080	RES,56K-1/8W J	a	b	c
FRONT	X R	0121	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c
FRONT	O R	0122	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
FRONT	O R	0123	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
FRONT	X R	0126	88-121-470-080	RES,47-1/8W J	a	b	c
FRONT	X R	0127	88-121-101-080	RES,100-1/8W J	a	b	c
FRONT	O R	0128	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
FRONT	X R	0129	88-108-683-080	C-RES,U 68K-1/16W J	a	b	c
FRONT	X R	0130	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c
FRONT	X R	0131	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c
FRONT	O R	0132	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
FRONT	O R	0133	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
FRONT	X R	0134	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c
FRONT	O R	0135	88-108-473-080	C-RES,U 47K-1/16W J	a	b	c

ELECTRICAL PARTS LIST - 6/24

! = ⚠ SAFETY PARTS

C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
FRONT		O R	0136	88-108-473-080 C-RES,U 47K-1/16W J	a	b	c
FRONT		O R	0137	88-108-473-080 C-RES,U 47K-1/16W J	a	b	c
FRONT		O R	0138	88-108-473-080 C-RES,U 47K-1/16W J	a	b	c
FRONT		O R	0139	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
FRONT		O R	0140	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
FRONT		O R	0141	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
FRONT		O R	0142	88-108-153-080 C-RES,U 15K-1/16W J	a	b	c
FRONT		X R	0143	88-121-100-080 RES,10-1/8W J	a	b	c
FRONT		X R	0145	88-121-223-080 RES,22K-1/8W J	a	b	c
FRONT		X R	0146	88-121-152-080 RES,1.5K-1/8W J	a	b	c
FRONT		X R	0147	88-121-682-080 RES,6.8K-1/8W J	a	b	c
FRONT		X R	0148	88-121-682-080 RES,6.8K-1/8W J	a	b	c
FRONT		X R	0149	88-121-152-080 RES,1.5K-1/8W J	a	b	c
FRONT		X R	0150	88-121-100-080 RES,10-1/8W J	a	b	c
FRONT		X R	0151	88-100-000-010 PLATING-JW, 0.58 SN95	a	b	c
FRONT		X R	0155	88-100-000-010 PLATING-JW, 0.58 SN95	a	b	c
FRONT		X R	0159	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0160	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0161	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0162	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
FRONT		X R	0163	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0164	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0165	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0166	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0167	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0168	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0169	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0170	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0171	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0172	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0173	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0174	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0175	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0176	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0177	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0178	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0179	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0180	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0181	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0182	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
FRONT		X R	0183	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0184	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0185	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0186	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0187	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c
FRONT		X R	0191	88-100-000-010 PLATING-JW, 0.58 SN95	a	b	c
FRONT		X R	0195	88-100-000-010 PLATING-JW, 0.58 SN95	a	b	c
FRONT		X R	0201	88-121-124-080 RES,120K-1/8W J	a	b	c
FRONT		X R	0202	88-121-104-080 RES,100K-1/8W J	a	b	c
FRONT		X R	0203	88-108-472-080 C-RES,U 4.7K-1/16W J	a	b	c
FRONT		O R	0204	88-108-153-080 C-RES,U 15K-1/16W J	a	b	c
FRONT		O R	0205	88-108-102-080 C-RES,U 1K-1/16W J	a	b	c
FRONT		X R	0206	88-108-471-080 C-RES,U 470-1/16W J	a	b	c
FRONT		X R	0211	88-121-393-080 RES,39K-1/8W J	a	b	c
FRONT		X R	0212	88-108-183-080 C-RES,U 18K-1/16W J	a	b	c
FRONT		O R	0213	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
FRONT		O R	0214	88-108-224-080 C-RES,U 220K-1/16W J	a	b	c
FRONT		O R	0215	88-108-224-080 C-RES,U 220K-1/16W J	a	b	c
FRONT		O R	0301	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
FRONT		X R	0302	88-121-103-080 RES,10K-1/8W J	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
FRONT		O R	0303	88-108-102-080 C-RES,U 1K-1/16W J	a	b	c
FRONT		X R	0304	88-108-152-080 C-RES,U 1.5K-1/16W J	a	b	c
FRONT		X R	0305	88-108-152-080 C-RES,U 1.5K-1/16W J	a	b	c
FRONT		X R	0306	88-108-222-080 C-RES,U 2.2K-1/16W J	a	b	c
FRONT		X R	0307	88-108-222-080 C-RES,U 2.2K-1/16W J	a	b	c
FRONT		O R	0308	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
FRONT		X R	0309	88-108-472-080 C-RES,U 4.7K-1/16W J	a	b	c
FRONT		O R	0315	88-108-102-080 C-RES,U 1K-1/16W J	a	b	c
FRONT		X R	0316	88-108-821-080 C-RES,U 820-1/16W J	a	b	.
FRONT		O R	0317	88-108-102-080 C-RES,U 1K-1/16W J	a	b	.
FRONT		O R	0318	88-108-102-080 C-RES,U 1K-1/16W J	a	b	.
FRONT		X R	0331	88-108-222-080 C-RES,U 2.2K-1/16W J	a	b	c
FRONT		O R	0332	88-108-123-080 C-RES,U 12K-1/16W J	a	b	c
FRONT		X R	0333	88-108-273-080 C-RES,U 27K-1/16W J	a	b	c
FRONT		X R	0334	88-108-152-080 C-RES,U 1.5K-1/16W J	a	b	c
FRONT		O R	0335	88-108-473-080 C-RES,U 47K-1/16W J	a	b	c
FRONT		X R	0341	88-108-222-080 C-RES,U 2.2K-1/16W J	a	b	c
FRONT		O R	0342	88-108-123-080 C-RES,U 12K-1/16W J	a	b	c
FRONT		X R	0343	88-108-273-080 C-RES,U 27K-1/16W J	a	b	c
FRONT		X R	0344	88-108-152-080 C-RES,U 1.5K-1/16W J	a	b	c

ELECTRICAL PARTS LIST - 7/24

! =  SAFETY PARTS

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL			
						AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC	
FRONT		O	R	0345	88-108-473-080	C-RES,U 47K-1/16W J	a	b	c
FRONT		O	R	0346	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
FRONT		X	R	0351	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b	c
FRONT		O	R	0352	88-108-123-080	C-RES,U 12K-1/16W J	a	b	c
FRONT		X	R	0353	88-108-273-080	C-RES,U 27K-1/16W J	a	b	c
FRONT		X	R	0354	88-108-152-080	C-RES,U 1.5K-1/16W J	a	b	c
FRONT		O	R	0355	88-108-473-080	C-RES,U 47K-1/16W J	a	b	c
FRONT		O	R	0401	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
FRONT		O	R	0402	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
FRONT		O	R	0403	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
FRONT		O	R	0404	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
FRONT		O	R	0405	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
FRONT		O	R	0406	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
FRONT		O	R	0407	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
FRONT		O	R	0409	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
FRONT		O	R	0410	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
FRONT		O	R	0411	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
FRONT		X	R	0412	88-118-102-080	C-RES,S 1K-1/10W J	a	b	c
FRONT		O	R	0413	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
FRONT		O	R	0414	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
						AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC	
FRONT		O	R	0415	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
FRONT		O	R	0416	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
FRONT		X	R	0418	88-118-102-080	C-RES,S 1K-1/10W J	a	b	.
FRONT		X	R	0419	88-118-102-080	C-RES,S 1K-1/10W J	a	b	.
FRONT		X	R	0420	88-118-102-080	C-RES,S 1K-1/10W J	a	b	.
FRONT		O	R	0421	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
FRONT		O	R	0422	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
FRONT		O	R	0423	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
FRONT		O	R	0424	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
FRONT		O	R	0425	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
FRONT		O	R	0426	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
FRONT		O	R	0427	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
FRONT		O	R	0428	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
FRONT		O	R	0429	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
FRONT		O	R	0430	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
FRONT		O	S	0101	87-A92-410-010	SW,RTRY EC12E12F	a	b	c
FRONT		O	S	0102	87-A92-410-010	SW,RTRY EC12E12F	a	b	c
FRONT		O	S	0301	87-A90-164-080	SW,TACT SKQNAB(N)	a	b	c
FRONT		O	S	0302	87-A90-164-080	SW,TACT SKQNAB(N)	a	b	c
FRONT		O	S	0303	87-A90-164-080	SW,TACT SKQNAB(N)	a	b	c
						AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC	
FRONT		O	S	0304	87-A90-164-080	SW,TACT SKQNAB(N)	a	b	c
FRONT		O	S	0305	87-A90-164-080	SW,TACT SKQNAB(N)	a	b	c
FRONT		O	S	0306	87-A90-164-080	SW,TACT SKQNAB(N)	a	b	c
FRONT		O	S	0307	87-A90-164-080	SW,TACT SKQNAB(N)	a	b	c
FRONT		O	S	0313	87-A90-164-080	SW,TACT SKQNAB(N)	a	b	c
FRONT		O	S	0314	87-A90-164-080	SW,TACT SKQNAB(N)	a	b	c
FRONT		O	S	0315	87-A90-164-080	SW,TACT SKQNAB(N)	a	b	.
FRONT		O	S	0316	87-A90-164-080	SW,TACT SKQNAB(N)	a	b	.
FRONT		O	S	0317	87-A90-164-080	SW,TACT SKQNAB(N)	a	b	.
FRONT		O	SW	0301	87-A92-411-010	SW,RTRY EC12E24C	a	b	c
FRONT		O	SW	0302	87-A92-409-010	SW,RTRY EC12E12E	a	b	c
FRONT		O	SW	0303	87-A92-408-010	SW,RTRY EC12E24D	a	b	c
HP		O	C	0551	87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b	c
HP		O	C	0552	87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b	c
HP		O	C	0553	87-A12-317-080	C-CAP,U 0.1-50 Z F	a	b	c
HP		O	CN	0551	87-099-209-010	CONN,4P H BLK 6216	a	b	c
HP		O	FB	0551	87-008-372-080	FLTR,EMI BL01 RN1	a	b	c
HP		O	J	0551	87-A60-483-010	JACK,DIA6.3 BLK ST W/S KM	a	b	c
KEY/LED		O	CN	0501	87-099-202-010	CONN,9P H BLK 6216	a	b	c
KEY/LED		O	CN	0502	87-099-209-010	CONN,4P H BLK 6216	a	b	c
						AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC	
KEY/LED		O	D	0525	87-A41-142-010	LED,SPR-39MVWF GRN/RED (L/M/N)	a	b	c
KEY/LED		S	Q	0525	87-A30-677-040	C-TR,SRA2207S	a	b	c
KEY/LED		S	Q	0526	87-A30-071-080	C-TR,RT1N 144C	a	b	c
KEY/LED		X	R	0521	88-108-182-080	C-RES,U 1.8K-1/16W J	a	b	c
KEY/LED		X	R	0522	88-108-000-080	C-JUMPER,U	a	b	c
KEY/LED		O	R	0523	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
KEY/LED		X	R	0525	88-121-182-080	RES,1.8K-1/8W J	a	b	c
KEY/LED		X	R	0526	88-121-681-080	RES,680-1/8W J	a	b	c
KEY/LED		O	S	0521	87-A90-164-080	SW,TACT SKQNAB(N)	a	b	c
KEY/LED		O	S	0522	87-A90-164-080	SW,TACT SKQNAB(N)	a	b	c
MAIN		O	C	0001	87-016-497-090	CAP,E 6800-35 M SMG	a	b	c
MAIN		O	C	0002	87-016-497-090	CAP,E 6800-35 M SMG	a	b	c
MAIN		O	C	0011	87-A10-122-090	CAP,E 6800-65 M VR	a	b	c
MAIN		O	C	0012	87-A10-122-090	CAP,E 6800-65 M VR	a	b	c
MAIN		O	C	0013	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN		O	C	0014	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN		O	C	0015	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN		O	C	0016	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN		O	C	0023	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN		O	C	0024	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c

ELECTRICAL PARTS LIST - 8/24

! =  SAFETY PARTS

C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		0 C	0025 87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN		0 C	0026 87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN		0 C	0031 87-010-390-080	CAP,E 3300-25 M SME	a	b	c
MAIN		0 C	0032 87-A12-317-080	C-CAP,U 0.1-50 Z F	a	b	c
MAIN		0 C	0033 87-A12-317-080	C-CAP,U 0.1-50 Z F	a	b	c
MAIN		0 C	0034 87-010-260-080	CAP,E 47-25 M 11L SME	a	b	c
MAIN		0 C	0035 87-A12-317-080	C-CAP,U 0.1-50 Z F	a	b	c
MAIN		0 C	0036 87-A12-317-080	C-CAP,U 0.1-50 Z F	a	b	c
MAIN		0 C	0037 87-A12-317-080	C-CAP,U 0.1-50 Z F	a	b	c
MAIN		0 C	0038 87-A12-317-080	C-CAP,U 0.1-50 Z F	a	b	c
MAIN		0 C	0041 87-010-384-080	CAP,E 100-25 M 11L SME	a	b	c
MAIN		0 C	0042 87-010-403-080	CAP,E 3.3-50 M 11L SME	a	b	c
MAIN		0 C	0043 87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
MAIN		0 C	0051 87-010-235-080	CAP,E 470-16 M SME	a	b	c
MAIN		0 C	0052 87-010-384-080	CAP,E 100-25 M 11L SME	a	b	c
MAIN		0 C	0053 87-010-258-080	CAP,E 22-35 M 11L SME	a	b	c
MAIN		0 C	0054 87-010-235-080	CAP,E 470-16 M SME	a	b	c
MAIN		0 C	0061 87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
MAIN		0 C	0071 87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
MAIN		0 C	0105 87-010-406-080	CAP,E 22-50 M 11L SME	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		0 C	0106 87-010-406-080	CAP,E 22-50 M 11L SME	a	b	c
MAIN		0 C	0107 87-A10-039-080	C-CAP,U 470P-50 J CH	a	b	c
MAIN		0 C	0108 87-A10-039-080	C-CAP,U 470P-50 J CH	a	b	c
MAIN		0 C	0113 87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c
MAIN		0 C	0114 87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c
MAIN		0 C	0115 87-010-406-080	CAP,E 22-50 M 11L SME	a	b	c
MAIN		0 C	0116 87-010-406-080	CAP,E 22-50 M 11L SME	a	b	c
MAIN		0 C	0117 87-012-164-080	C-CAP,U 2P-50 C CH GRM	a	b	c
MAIN		0 C	0118 87-012-164-080	C-CAP,U 2P-50 C CH GRM	a	b	c
MAIN		0 C	0119 87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b	c
MAIN		0 C	0120 87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b	c
MAIN		0 C	0121 87-012-184-080	C-CAP,U 33P-50 J CH GRM	a	b	c
MAIN		0 C	0122 87-012-184-080	C-CAP,U 33P-50 J CH GRM	a	b	c
MAIN		0 C	0129 87-012-184-080	C-CAP,U 33P-50 J CH GRM	a	b	c
MAIN		0 C	0130 87-012-184-080	C-CAP,U 33P-50 J CH GRM	a	b	c
MAIN		0 C	0133 87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN		0 C	0134 87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN		0 C	0141 87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN		0 C	0142 87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN		0 C	0143 87-012-282-080	C-CAP,U 4700P-50 K B GRM	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		0 C	0144 87-012-282-080	C-CAP,U 4700P-50 K B GRM	a	b	c
MAIN		0 C	0201 87-010-246-080	CAP,E 47-35 M 11L SME	a	b	c
MAIN		0 C	0202 87-010-246-080	CAP,E 47-35 M 11L SME	a	b	c
MAIN		0 C	0203 87-010-195-080	C-CAP,S 0.068-25 Z F C2012	a	b	c
MAIN		0 C	0204 87-012-180-080	C-CAP,U 22P-50 J CH GRM	a	b	c
MAIN		0 C	0205 87-A10-417-080	CAP,E 47-63 SME	a	b	c
MAIN		0 C	0206 87-A10-417-080	CAP,E 47-63 SME	a	b	c
MAIN		0 C	0207 87-A10-039-080	C-CAP,U 470P-50 J CH	a	b	c
MAIN		0 C	0208 87-A10-039-080	C-CAP,U 470P-50 J CH	a	b	c
MAIN		0 C	0211 87-010-427-080	C-CAP,S 0.039-25 Z F GRM	a	b	c
MAIN		0 C	0217 87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
MAIN		0 C	0231 87-012-268-080	C-CAP,U 330P-50 K B GRM	a	b	c
MAIN		0 C	0232 87-012-268-080	C-CAP,U 330P-50 K B GRM	a	b	c
MAIN		0 C	0233 87-012-268-080	C-CAP,U 330P-50 K B GRM	a	b	c
MAIN		0 C	0234 87-012-268-080	C-CAP,U 330P-50 K B GRM	a	b	c
MAIN		0 C	0251 87-016-460-080	C-CAP,S 0.22-16 K B C2012	a	b	c
MAIN		0 C	0252 87-016-460-080	C-CAP,S 0.22-16 K B C2012	a	b	c
MAIN		0 C	0261 87-012-282-080	C-CAP,U 4700P-50 K B GRM	a	b	c
MAIN		0 C	0271 87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN		0 C	0272 87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		0 C	0273 87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN		0 C	0274 87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN		0 C	0275 87-010-190-080	C-CAP,S 0.01-50 Z F C2012	a	b	c
MAIN		0 C	0276 87-010-190-080	C-CAP,S 0.01-50 Z F C2012	a	b	c
MAIN		0 C	0277 87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN		0 C	0278 87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN		0 C	0305 87-010-406-080	CAP,E 22-50 M 11L SME	a	b	c
MAIN		0 C	0306 87-010-406-080	CAP,E 22-50 M 11L SME	a	b	c
MAIN		0 C	0307 87-A10-039-080	C-CAP,U 470P-50 J CH	a	b	c
MAIN		0 C	0308 87-A10-039-080	C-CAP,U 470P-50 J CH	a	b	c
MAIN		0 C	0313 87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c
MAIN		0 C	0314 87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c
MAIN		0 C	0315 87-010-406-080	CAP,E 22-50 M 11L SME	a	b	c
MAIN		0 C	0316 87-010-406-080	CAP,E 22-50 M 11L SME	a	b	c
MAIN		0 C	0317 87-012-164-080	C-CAP,U 2P-50 C CH GRM	a	b	c
MAIN		0 C	0318 87-012-164-080	C-CAP,U 2P-50 C CH GRM	a	b	c
MAIN		0 C	0319 87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b	c
MAIN		0 C	0320 87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b	c
MAIN		0 C	0321 87-012-184-080	C-CAP,U 33P-50 J CH GRM	a	b	c
MAIN		0 C	0322 87-012-184-080	C-CAP,U 33P-50 J CH GRM	a	b	c

ELECTRICAL PARTS LIST - 9/24

! =  SAFETY PARTS

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN	O C	0329	87-012-184-080	C-CAP,U 33P-50 J CH GRM	a	b	c
MAIN	O C	0330	87-012-184-080	C-CAP,U 33P-50 J CH GRM	a	b	c
MAIN	O C	0333	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN	O C	0334	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN	O C	0341	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN	O C	0342	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN	O C	0343	87-012-282-080	C-CAP,U 4700P-50 K B GRM	a	b	c
MAIN	O C	0344	87-012-282-080	C-CAP,U 4700P-50 K B GRM	a	b	c
MAIN	O C	0350	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN	O C	0351	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN	O C	0352	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN	O C	0353	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN	O C	0354	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN	O C	0355	87-010-190-080	C-CAP,S 0.01-50 Z F C2012	a	b	c
MAIN	O C	0356	87-010-190-080	C-CAP,S 0.01-50 Z F C2012	a	b	c
MAIN	O C	0360	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN	O C	0401	87-010-246-080	CAP,E 47-35 M 11L SME	a	b	c
MAIN	O C	0402	87-010-246-080	CAP,E 47-35 M 11L SME	a	b	c
MAIN	O C	0403	87-010-195-080	C-CAP,S 0.068-25 Z F C2012	a	b	c
MAIN	O C	0404	87-012-180-080	C-CAP,U 22P-50 J CH GRM	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN	O C	0405	87-A10-417-080	CAP,E 47-63 SME	a	b	c
MAIN	O C	0406	87-A10-417-080	CAP,E 47-63 SME	a	b	c
MAIN	O C	0407	87-A10-039-080	C-CAP,U 470P-50 J CH	a	b	c
MAIN	O C	0408	87-012-270-080	C-CAP,U 470P-50 K B GRM	a	b	c
MAIN	O C	0411	87-010-427-080	C-CAP,S 0.039-25 Z F GRM	a	b	c
MAIN	O C	0417	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
MAIN	O C	0431	87-012-268-080	C-CAP,U 330P-50 K B GRM	a	b	c
MAIN	O C	0432	87-012-268-080	C-CAP,U 330P-50 K B GRM	a	b	c
MAIN	O C	0433	87-012-268-080	C-CAP,U 330P-50 K B GRM	a	b	c
MAIN	O C	0434	87-012-268-080	C-CAP,U 330P-50 K B GRM	a	b	c
MAIN	O C	0503	87-010-406-080	CAP,E 22-50 M 11L SME	a	b	c
MAIN	O C	0504	87-A10-039-080	C-CAP,U 470P-50 J CH	a	b	c
MAIN	O C	0506	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c
MAIN	O C	0507	87-012-164-080	C-CAP,U 2P-50 C CH GRM	a	b	c
MAIN	O C	0508	87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b	c
MAIN	O C	0509	87-012-184-080	C-CAP,U 33P-50 J CH GRM	a	b	c
MAIN	O C	0510	87-010-406-080	CAP,E 22-50 M 11L SME	a	b	c
MAIN	O C	0513	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN	O C	0519	87-012-184-080	C-CAP,U 33P-50 J CH GRM	a	b	c
MAIN	O C	0521	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN	O C	0522	87-012-282-080	C-CAP,U 4700P-50 K B GRM	a	b	c
MAIN	O C	0541	87-012-268-080	C-CAP,U 330P-50 K B GRM	a	b	c
MAIN	O C	0542	87-012-268-080	C-CAP,U 330P-50 K B GRM	a	b	c
MAIN	O C	0580	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN	O C	0581	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN	O C	0582	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b	c
MAIN	O C	0583	87-010-190-080	C-CAP,S 0.01-50 Z F C2012	a	b	c
MAIN	O C	0601	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c
MAIN	O C	0602	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c
MAIN	O C	0603	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c
MAIN	O C	0604	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c
MAIN	O C	0605	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c
MAIN	O C	0606	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c
MAIN	O C	0631	87-010-404-080	CAP,E 4.7-50 M 11L SME	a	b	c
MAIN	O C	0632	87-010-404-080	CAP,E 4.7-50 M 11L SME	a	b	c
MAIN	O C	0633	87-010-404-080	CAP,E 4.7-50 M 11L SME	a	b	c
MAIN	O C	0634	87-010-404-080	CAP,E 4.7-50 M 11L SME	a	b	c
MAIN	O C	0635	87-010-404-080	CAP,E 4.7-50 M 11L SME	a	b	c
MAIN	O C	0636	87-010-404-080	CAP,E 4.7-50 M 11L SME	a	b	c
MAIN	O C	0641	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN	O C	0642	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
MAIN	O C	0643	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
MAIN	O C	0644	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
MAIN	O C	0645	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
MAIN	O C	0646	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
MAIN	O C	0651	87-A11-014-080	CAP,M 0.22-50 J DE	a	b	c
MAIN	O C	0652	87-A11-014-080	CAP,M 0.22-50 J DE	a	b	c
MAIN	O C	0653	87-A11-014-080	CAP,M 0.22-50 J DE	a	b	c
MAIN	O C	0654	87-A11-014-080	CAP,M 0.22-50 J DE	a	b	c
MAIN	O C	0655	87-A10-307-080	CAP,M 0.1-50 J	a	b	c
MAIN	O C	0656	87-A10-307-080	CAP,M 0.1-50 J	a	b	c
MAIN	O C	0657	87-A10-307-080	CAP,M 0.1-50 J	a	b	c
MAIN	O C	0658	87-A10-307-080	CAP,M 0.1-50 J	a	b	c
MAIN	O C	0659	87-A10-291-080	CAP,M 4700P-50 J	a	b	c
MAIN	O C	0660	87-A10-291-080	CAP,M 4700P-50 J	a	b	c
MAIN	O C	0661	87-010-404-080	CAP,E 4.7-50 M 11L SME	a	b	c
MAIN	O C	0662	87-010-404-080	CAP,E 4.7-50 M 11L SME	a	b	c
MAIN	O C	0663	87-010-404-080	CAP,E 4.7-50 M 11L SME	a	b	c
MAIN	O C	0665	87-010-404-080	CAP,E 4.7-50 M 11L SME	a	b	c
MAIN	O C	0666	87-010-404-080	CAP,E 4.7-50 M 11L SME	a	b	c

ELECTRICAL PARTS LIST - 10/24

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					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN	O C	0681	87-010-263-080	CAP,E 100-10 M 11L SME	a	b	c
MAIN	O C	0682	87-010-383-080	CAP,E 33-25 M 11L SME	a	b	c
MAIN	O C	0683	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c
MAIN	O C	0692	87-A12-317-080	C-CAP,U 0.1-50 Z F	a	b	c
MAIN	O C	0693	87-A12-317-080	C-CAP,U 0.1-50 Z F	a	b	c
MAIN	O C	0701	87-010-407-080	CAP,E 33-50 M 11L SME	a	b	c
MAIN	O C	0702	87-010-407-080	CAP,E 33-50 M 11L SME	a	b	c
MAIN	O C	0703	87-010-407-080	CAP,E 33-50 M 11L SME	a	b	c
MAIN	O C	0711	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c
MAIN	O C	0712	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c
MAIN	O C	0713	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c
MAIN	O C	0714	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c
MAIN	O C	0715	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c
MAIN	O C	0716	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c
MAIN	O C	0717	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
MAIN	O C	0731	87-012-188-080	C-CAP,U 47P-50 J CH GRM	a	b	c
MAIN	O C	0732	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
MAIN	O C	0733	87-012-188-080	C-CAP,U 47P-50 J CH GRM	a	b	c
MAIN	O C	0735	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
MAIN	O C	0736	87-A11-148-080	CAP,TC U 0.1-50 Z F	a	b	c
MAIN	O C	0737	87-A11-148-080	CAP,TC U 0.1-50 Z F	a	b	c
MAIN	O C	0738	87-A11-148-080	CAP,TC U 0.1-50 Z F	a	b	c
MAIN	O C	0739	87-A11-148-080	CAP,TC U 0.1-50 Z F	a	b	c
MAIN	O C	0761	87-010-407-080	CAP,E 33-50 M 11L SME	a	b	c
MAIN	O C	0762	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
MAIN	O C	0763	87-010-383-080	CAP,E 33-25 M 11L SME	a	b	c
MAIN	O C	0764	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
MAIN	O C	0771	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
MAIN	O C	0772	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
MAIN	O C	0781	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
MAIN	O C	0782	87-A11-148-080	CAP,TC U 0.1-50 Z F	a	b	c
MAIN	X C	0801	88-108-000-080	C-JUMPER,U	a	b	c
MAIN	O C	0802	87-010-190-080	C-CAP,S 0.01-50 Z F C2012	a	b	c
MAIN	O C	0803	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
MAIN	O C	0804	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
MAIN	O C	0806	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
MAIN	O C	0808	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b	c
MAIN	O C	0812	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c
MAIN	O C	0900	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	.
MAIN	O C	0901	87-012-180-080	C-CAP,U 22P-50 J CH GRM	a	b	.
MAIN	O C	0902	87-012-184-080	C-CAP,U 33P-50 J CH GRM	a	b	.
MAIN	O C	0904	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	.
MAIN	O C	0905	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	.
MAIN	O C	0906	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	.
MAIN	O C	0907	87-012-270-080	C-CAP,U 470P-50 K B GRM	a	b	.
MAIN	O C	0908	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b	.
MAIN	O C	0909	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	.
MAIN	O C	0910	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	.
MAIN	O C	0911	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	.
MAIN	X	CLP0001	87-A60-884-010	PIN,DIA1 COATING-SHS	a	b	c
MAIN	X	CLP0002	87-A60-884-010	PIN,DIA1 COATING-SHS	a	b	c
MAIN	X	CLP0006	87-A60-884-010	PIN,DIA1 COATING-SHS	a	b	c
MAIN	X	CLP0007	87-A60-884-010	PIN,DIA1 COATING-SHS	a	b	c
MAIN	X	CLP0008	87-A60-884-010	PIN,DIA1 COATING-SHS	a	b	c
MAIN	X	CLP0009	87-A60-884-010	PIN,DIA1 COATING-SHS	a	b	c
MAIN	X	CLP0010	87-A60-884-010	PIN,DIA1 COATING-SHS	a	b	c
MAIN	X	CLP0012	87-A60-884-010	PIN,DIA1 COATING-SHS	a	b	c
MAIN	X	CLP0013	87-A60-884-010	PIN,DIA1 COATING-SHS	a	b	c
MAIN	X	CLP0015	87-A60-884-010	PIN,DIA1 COATING-SHS	a	b	c
MAIN	O CN	0004	87-A61-057-010	CONN,9P V THL-P09P-A1	a	b	c
MAIN	O CN	0007	87-A60-620-010	CONN,3P V 2MM JMT	a	b	c
MAIN	O CN	0602	87-A60-625-010	CONN,8P V 2MM JMT	a	b	c
MAIN	X CN	0603	87-099-024-010	CONN,22P V BLK 6216	a	b	.
MAIN	O CN	0604	87-A60-998-010	CONN,15P V BLK TAC-L15X-A3	a	b	c
MAIN	O CN	0606	87-099-018-010	CONN,16P V BLK 6216	a	b	c
MAIN	O CN	0608	87-099-018-010	CONN,16P V BLK 6216	.	.	c
MAIN	O CN	0691	87-099-014-010	CONN,12P V BLK 6216	a	b	c
MAIN	O CN	0692	87-099-014-010	CONN,12P V BLK 6216	a	b	c
MAIN	O CNA	0201	8C-AR6-635-010	CONN ASSY,5P - 2/3P SDN	a	b	c
MAIN	S D	0011	87-A40-673-090	DIODE,D10XB20	a	b	c
MAIN	S D	0021	87-A40-547-090	DIODE,D5SBA20	a	b	c
MAIN	S D	0031	87-A40-393-090	DIODE,1N5402GW(F20)	a	b	c
MAIN	S D	0032	87-A40-393-090	DIODE,1N5402GW(F20)	a	b	c
MAIN	S D	0034	87-070-274-080	DIODE,1N4003 SEM	a	b	c
MAIN	S D	0041	87-A40-313-080	C-DIODE,MC2840	a	b	c
MAIN	S D	0042	87-A40-313-080	C-DIODE,MC2840	a	b	c
MAIN	S D	0043	87-A40-270-080	C-DIODE,MC2838	a	b	c
MAIN	S D	0044	87-A40-269-080	C-DIODE,MC2836	a	b	c
MAIN	S D	0046	87-020-465-080	DIODE,1S133	a	b	c
MAIN	S D	0047	87-A40-768-080	ZENER,UZ16BSA	a	b	c

ELECTRICAL PARTS LIST - 11/24

! = ⚠ SAFETY PARTS

C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

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UNIT-NAME	I	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL			
						AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC	
MAIN		S	D	0051	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0052	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0054	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0055	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0071	87-A40-780-080	ZENER,UZ33BSD	a	b	c
MAIN		S	D	0101	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0102	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0103	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0104	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0105	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0106	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0111	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0112	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0113	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0114	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0115	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0116	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0121	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0122	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0123	87-020-465-080	DIODE,1SS133	a	b	c
							AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		S	D	0124	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0201	87-A40-646-010	DIODE,FMB-G16L	a	b	c
MAIN		S	D	0202	87-A40-646-010	DIODE,FMB-G16L	a	b	c
MAIN		S	D	0203	87-A40-770-080	ZENER,UZ20BSA	a	b	c
MAIN		S	D	0204	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0205	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0206	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0207	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0208	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0209	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0210	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0211	87-A40-768-080	ZENER,UZ16BSA	a	b	c
MAIN		S	D	0231	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0232	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0233	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0234	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0261	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0281	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0301	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0302	87-020-465-080	DIODE,1SS133	a	b	c
							AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		S	D	0303	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0304	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0305	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0306	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0311	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0312	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0313	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0314	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0315	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0316	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0321	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0322	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0325	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0326	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0401	87-A40-646-010	DIODE,FMB-G16L	a	b	c
MAIN		S	D	0402	87-A40-646-010	DIODE,FMB-G16L	a	b	c
MAIN		S	D	0403	87-A40-770-080	ZENER,UZ20BSA	a	b	c
MAIN		S	D	0404	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0405	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0406	87-020-465-080	DIODE,1SS133	a	b	c
							AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		S	D	0407	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0408	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0409	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0410	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0411	87-A40-768-080	ZENER,UZ16BSA	a	b	c
MAIN		S	D	0431	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0432	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0435	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0436	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0451	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0453	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0501	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0502	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0504	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0505	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0506	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0508	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0510	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0511	87-020-465-080	DIODE,1SS133	a	b	c
MAIN		S	D	0681	87-A40-754-080	ZENER,UZ6.8BSC	a	b	c

ELECTRICAL PARTS LIST - 12/24

! = ⚠ SAFETY PARTS

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		S D	0761 87-A40-754-080	ZENER,UZ6.8BSC	a	b	c
MAIN		S D	0762 87-A40-754-080	ZENER,UZ6.8BSC	a	b	c
MAIN		O	FFC0004 88-916-151-110	FF-CABLE,16P 1.25 150MM	.	.	c
MAIN		O	FFC0005 88-916-191-110	FF-CABLE,16P 1.25 190MM	a	b	c
MAIN		O	FFC0006 88-922-151-110	FF-CABLE,22P 1.25 150MM	a	b	.
MAIN		S IC	0002 87-A21-368-010	IC,NJM7812FA(A)	a	b	c
MAIN		S IC	0501 87-A22-267-030	C-IC,BD3811K1	a	b	c
MAIN		S IC	0701 87-A22-287-040	C-IC,NJM2279M	a	b	c
MAIN		S IC	0801 87-017-888-080	C-IC,NJM4558MD	a	b	c
MAIN		S IC	0900 87-A20-440-040	C-IC,BU1920FS	a	b	.
MAIN		O J	0201 87-A60-617-010	TERMINAL,SP 4P (MSC)	X a	b	c
MAIN		O J	0300 87-A61-860-010	TERMINAL,SP 6P CJ-9033-06-02	X a	b	c
MAIN		O J	0601 87-A61-863-010	JACK,PIN 3P B/W/R W/E	a	b	c
MAIN		O J	0602 87-A61-864-010	JACK,PIN 4P W/R W/O E	a	b	c
MAIN		O J	0701 87-A61-865-010	JACK,PIN 6P YWR/YWR W/E	a	b	c
MAIN		O J	0702 87-A61-865-010	JACK,PIN 6P YWR/YWR W/E	a	b	c
MAIN		O J	0731 87-A61-862-010	JACK,PIN 3P Y/W/R W/E	a	b	c
MAIN		X JR	0010 88-129-000-080	C-JUMPER, 3216	a	b	c
MAIN		X JR	0011 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X JR	0012 88-129-000-080	C-JUMPER, 3216	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		X JR	0014 88-118-000-080	C-JUMPER,S	a	b	c
MAIN		X JR	0061 88-129-000-080	C-JUMPER, 3216	a	b	c
MAIN		X JR	0062 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X JR	0111 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X JR	0113 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X JR	0211 88-118-000-080	C-JUMPER,S	a	b	c
MAIN		X JR	0303 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X JR	0304 88-118-000-080	C-JUMPER,S	a	b	c
MAIN		X JR	0311 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X JR	0312 88-129-000-080	C-JUMPER, 3216	a	b	c
MAIN		X JR	0504 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X JR	0511 88-118-000-080	C-JUMPER,S	a	b	c
MAIN		X JR	0512 88-129-000-080	C-JUMPER, 3216	a	b	c
MAIN		X JR	0513 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X JR	0514 88-129-000-080	C-JUMPER, 3216	a	b	c
MAIN		X JR	0603 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X JR	0606 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X JR	0608 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X JR	0611 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X JR	0612 88-129-000-080	C-JUMPER, 3216	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		X JR	0615 88-118-000-080	C-JUMPER,S	a	b	c
MAIN		X JR	0616 88-118-000-080	C-JUMPER,S	a	b	c
MAIN		X JR	0912 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		O L	0211 87-A50-611-010	COIL,1UH K(CS)	a	b	c
MAIN		O L	0212 87-A50-611-010	COIL,1UH K(CS)	a	b	c
MAIN		O L	0311 87-A50-611-010	COIL,1UH K(CS)	a	b	c
MAIN		O L	0312 87-A50-611-010	COIL,1UH K(CS)	a	b	c
MAIN		O L	0581 87-A50-611-010	COIL,1UH K(CS)	a	b	c
MAIN		O L	0761 87-005-239-080	COIL,100UH K LAL03	a	b	c
MAIN		O L	0762 87-005-239-080	COIL,100UH K LAL03	a	b	c
MAIN		O L	0900 87-005-847-080	COIL,2.2UH K CECS	a	b	.
MAIN		X PR	0012 88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c
MAIN		X PR	0013 88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c
MAIN		X PR	0201 88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c
MAIN		X PR	0202 88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c
MAIN		X PR	0401 88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c
MAIN		X PR	0402 88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c
MAIN		S Q	0011 87-A30-076-080	C-TR,2SC3052F	a	b	c
MAIN		S Q	0012 87-A30-075-080	C-TR,2SA1235F	a	b	c
MAIN		S Q	0013 87-A30-076-080	C-TR,2SC3052F	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		S Q	0014 87-A30-075-080	C-TR,2SA1235F	a	b	c
MAIN		S Q	0015 87-A30-076-080	C-TR,2SC3052F	a	b	c
MAIN		S Q	0022 87-A30-076-080	C-TR,2SC3052F	a	b	c
MAIN		S Q	0023 87-A30-686-010	TR,2SA2057Q	a	b	c
MAIN		S Q	0025 87-A30-075-080	C-TR,2SA1235F	a	b	c
MAIN		S Q	0026 87-A30-289-040	C-TR,2SA1037AK(Q)	a	b	c
MAIN		S Q	0027 87-A30-686-010	TR,2SA2057Q	a	b	c
MAIN		S Q	0031 87-A30-494-080	TR,2SA1980G	a	b	c
MAIN		S Q	0032 87-A30-494-080	TR,2SA1980G	a	b	c
MAIN		S Q	0033 87-A30-075-080	C-TR,2SA1235F	a	b	c
MAIN		S Q	0101 87-A30-257-080	C-TR,2SD1306E	a	b	c
MAIN		S Q	0102 87-A30-257-080	C-TR,2SD1306E	a	b	c
MAIN		S Q	0103 87-A30-659-040	C-TR,2SC4117GR.BL	a	b	c
MAIN		S Q	0104 87-A30-659-040	C-TR,2SC4117GR.BL	a	b	c
MAIN		S Q	0105 87-A30-669-040	C-TR,SBT5401	a	b	c
MAIN		S Q	0106 87-A30-669-040	C-TR,SBT5401	a	b	c
MAIN		S Q	0107 87-A30-659-040	C-TR,2SC4117GR.BL	a	b	c
MAIN		S Q	0108 87-A30-659-040	C-TR,2SC4117GR.BL	a	b	c
MAIN		S Q	0111 87-A30-696-080	TR,2SA1145Y	a	b	c
MAIN		S Q	0112 87-A30-696-080	TR,2SA1145Y	a	b	c

ELECTRICAL PARTS LIST - 13/24

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN	S Q	0113	87-A30-076-080	C-TR, 2SC3052F	a	b	c
MAIN	S Q	0114	87-A30-076-080	C-TR, 2SC3052F	a	b	c
MAIN	S Q	0115	87-A30-697-080	TR, 2SC2705Y	a	b	c
MAIN	S Q	0116	87-A30-697-080	TR, 2SC2705Y	a	b	c
MAIN	S Q	0117	87-A30-492-080	TR, 2SC5343G	a	b	c
MAIN	S Q	0118	87-A30-492-080	TR, 2SC5343G	a	b	c
MAIN	S Q	0121	87-A30-097-010	TR, FN1016	a	b	c
MAIN	S Q	0122	87-A30-097-010	TR, FN1016	a	b	c
MAIN	S Q	0123	87-A30-098-010	TR, FP1016	a	b	c
MAIN	S Q	0124	87-A30-098-010	TR, FP1016	a	b	c
MAIN	S Q	0125	87-A30-662-040	C-TR, 2SD814A(RS)	a	b	c
MAIN	S Q	0126	87-A30-662-040	C-TR, 2SD814A(RS)	a	b	c
MAIN	S Q	0191	87-A30-663-040	C-TR, 2SB792A(RS)	a	b	c
MAIN	S Q	0192	87-A30-538-040	C-TR, SRA2202S	a	b	c
MAIN	S Q	0201	87-A30-186-010	FET, 2SK3053	a	b	c
MAIN	S Q	0202	87-A30-186-010	FET, 2SK3053	a	b	c
MAIN	S Q	0203	87-A30-076-080	C-TR, 2SC3052F	a	b	c
MAIN	S Q	0204	87-A30-075-080	C-TR, 2SA1235F	a	b	c
MAIN	S Q	0205	87-A30-076-080	C-TR, 2SC3052F	a	b	c
MAIN	S Q	0206	87-A30-075-080	C-TR, 2SA1235F	a	b	c
MAIN	S Q	0207	87-A30-076-080	C-TR, 2SC3052F	a	b	c
MAIN	S Q	0208	87-A30-075-080	C-TR, 2SA1235F	a	b	c
MAIN	S Q	0210	87-A30-075-080	C-TR, 2SA1235F	a	b	c
MAIN	S Q	0251	87-A30-663-040	C-TR, 2SB792A(RS)	a	b	c
MAIN	S Q	0252	87-A30-663-040	C-TR, 2SB792A(RS)	a	b	c
MAIN	S Q	0253	87-A30-662-040	C-TR, 2SD814A(RS)	a	b	c
MAIN	S Q	0261	87-A30-268-040	C-TR, 2SA1514K(S)	a	b	c
MAIN	S Q	0262	87-A30-662-040	C-TR, 2SD814A(RS)	a	b	c
MAIN	S Q	0281	87-A30-494-080	TR, 2SA1980G	a	b	c
MAIN	S Q	0291	87-A30-075-080	C-TR, 2SA1235F	a	b	c
MAIN	S Q	0301	87-A30-257-080	C-TR, 2SD1306E	a	b	c
MAIN	S Q	0302	87-A30-257-080	C-TR, 2SD1306E	a	b	c
MAIN	S Q	0303	87-A30-659-040	C-TR, 2SC4117GR.BL	a	b	c
MAIN	S Q	0304	87-A30-659-040	C-TR, 2SC4117GR.BL	a	b	c
MAIN	S Q	0305	87-A30-669-040	C-TR, SBT5401	a	b	c
MAIN	S Q	0306	87-A30-669-040	C-TR, SBT5401	a	b	c
MAIN	S Q	0307	87-A30-659-040	C-TR, 2SC4117GR.BL	a	b	c
MAIN	S Q	0308	87-A30-659-040	C-TR, 2SC4117GR.BL	a	b	c
MAIN	S Q	0311	87-A30-696-080	TR, 2SA1145Y	a	b	c
MAIN	S Q	0312	87-A30-696-080	TR, 2SA1145Y	a	b	c
MAIN	S Q	0313	87-A30-076-080	C-TR, 2SC3052F	a	b	c
MAIN	S Q	0314	87-A30-076-080	C-TR, 2SC3052F	a	b	c
MAIN	S Q	0315	87-A30-697-080	TR, 2SC2705Y	a	b	c
MAIN	S Q	0316	87-A30-697-080	TR, 2SC2705Y	a	b	c
MAIN	S Q	0317	87-A30-492-080	TR, 2SC5343G	a	b	c
MAIN	S Q	0318	87-A30-492-080	TR, 2SC5343G	a	b	c
MAIN	S Q	0321	87-A30-097-010	TR, FN1016	a	b	c
MAIN	S Q	0322	87-A30-097-010	TR, FN1016	a	b	c
MAIN	S Q	0323	87-A30-098-010	TR, FP1016	a	b	c
MAIN	S Q	0324	87-A30-098-010	TR, FP1016	a	b	c
MAIN	S Q	0325	87-A30-662-040	C-TR, 2SD814A(RS)	a	b	c
MAIN	S Q	0326	87-A30-662-040	C-TR, 2SD814A(RS)	a	b	c
MAIN	S Q	0391	87-A30-663-040	C-TR, 2SB792A(RS)	a	b	c
MAIN	S Q	0392	87-A30-538-040	C-TR, SRA2202S	a	b	c
MAIN	S Q	0395	87-A30-075-080	C-TR, 2SA1235F	a	b	c
MAIN	S Q	0401	87-A30-186-010	FET, 2SK3053	a	b	c
MAIN	S Q	0402	87-A30-186-010	FET, 2SK3053	a	b	c
MAIN	S Q	0403	87-A30-076-080	C-TR, 2SC3052F	a	b	c
MAIN	S Q	0404	87-A30-075-080	C-TR, 2SA1235F	a	b	c
MAIN	S Q	0405	87-A30-076-080	C-TR, 2SC3052F	a	b	c
MAIN	S Q	0406	87-A30-075-080	C-TR, 2SA1235F	a	b	c
MAIN	S Q	0407	87-A30-076-080	C-TR, 2SC3052F	a	b	c
MAIN	S Q	0408	87-A30-075-080	C-TR, 2SA1235F	a	b	c
MAIN	S Q	0410	87-A30-075-080	C-TR, 2SA1235F	a	b	c
MAIN	S Q	0501	87-A30-257-080	C-TR, 2SD1306E	a	b	c
MAIN	S Q	0502	87-A30-659-040	C-TR, 2SC4117GR.BL	a	b	c
MAIN	S Q	0503	87-A30-669-040	C-TR, SBT5401	a	b	c
MAIN	S Q	0504	87-A30-659-040	C-TR, 2SC4117GR.BL	a	b	c
MAIN	S Q	0506	87-A30-696-080	TR, 2SA1145Y	a	b	c
MAIN	S Q	0507	87-A30-492-080	TR, 2SC5343G	a	b	c
MAIN	S Q	0508	87-A30-697-080	TR, 2SC2705Y	a	b	c
MAIN	S Q	0509	87-A30-076-080	C-TR, 2SC3052F	a	b	c
MAIN	S Q	0511	87-A30-097-010	TR, FN1016	a	b	c
MAIN	S Q	0512	87-A30-098-010	TR, FP1016	a	b	c
MAIN	S Q	0513	87-A30-662-040	C-TR, 2SD814A(RS)	a	b	c
MAIN	S Q	0554	87-A30-663-040	C-TR, 2SB792A(RS)	a	b	c
MAIN	S Q	0555	87-A30-538-040	C-TR, SRA2202S	a	b	c
MAIN	S Q	0581	87-026-216-080	TR, DTA124ES	a	b	c
MAIN	S Q	0681	87-A30-075-080	C-TR, 2SA1235F	a	b	c
MAIN	S Q	0682	87-A30-612-080	TR, 2SC5343Y	a	b	c

ELECTRICAL PARTS LIST - 14/24

! =  SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN	S Q	0683	87-A30-075-080	C-TR, 2SA1235F	a	b	c
MAIN	S Q	0684	87-A30-075-080	C-TR, 2SA1235F	a	b	c
MAIN	S Q	0801	87-A30-257-080	C-TR, 2SD1306E	a	b	c
MAIN	S Q	0821	87-A30-075-080	C-TR, 2SA1235F	a	b	c
MAIN	S Q	0900	87-A30-076-080	C-TR, 2SC3052F	a	b	.
MAIN	S Q	0901	87-A30-076-080	C-TR, 2SC3052F	a	b	.
MAIN	X R	0010	88-128-472-080	C-RES, 4.7K-1/8W J	a	b	c
MAIN	X R	0011	88-128-473-080	C-RES, 47K-1/8W J	a	b	c
MAIN	X R	0012	88-128-473-080	C-RES, 47K-1/8W J	a	b	c
MAIN	X R	0013	88-128-103-080	C-RES, 10K-1/8W J	a	b	c
MAIN	X R	0014	88-128-103-080	C-RES, 10K-1/8W J	a	b	c
MAIN	X R	0015	88-128-103-080	C-RES, 10K-1/8W J	a	b	c
MAIN	O R	0020	88-108-562-080	C-RES, U 5.6K-1/16W J	a	b	c
MAIN	X R	0021	88-108-273-080	C-RES, U 27K-1/16W J	a	b	c
MAIN	X R	0022	88-108-273-080	C-RES, U 27K-1/16W J	a	b	c
MAIN	X R	0031	88-129-000-080	C-JUMPER, 3216	a	b	c
MAIN	X R	0034	88-128-102-080	C-RES, 1K-1/8W J	a	b	c
MAIN	X R	0035	88-118-152-080	C-RES, S 1.5K-1/10W J	a	b	c
MAIN	X R	0036	88-118-152-080	C-RES, S 1.5K-1/10W J	a	b	c
MAIN	X R	0037	88-108-394-080	C-RES, U 390K-1/16W J	a	b	c
MAIN	O R	0038	88-108-103-080	C-RES, U 10K-1/16W J	a	b	c
MAIN	O R	0039	88-108-101-080	C-RES, U 100-1/16W J	a	b	c
MAIN	O R	0040	88-108-103-080	C-RES, U 10K-1/16W J	a	b	c
MAIN	X R	0041	88-108-682-080	C-RES, U 6.8K-1/16W J	a	b	c
MAIN	O R	0042	88-108-101-080	C-RES, U 100-1/16W J	a	b	c
MAIN	X R	0043	88-108-472-080	C-RES, U 4.7K-1/16W J	a	b	c
MAIN	X R	0044	88-108-472-080	C-RES, U 4.7K-1/16W J	a	b	c
MAIN	O R	0045	88-108-822-080	C-RES, U 8.2K-1/16W J	a	b	c
MAIN	X R	0046	88-121-473-080	RES, 47K-1/8W J	a	b	c
MAIN	O R	0047	88-108-473-080	C-RES, U 47K-1/16W J	a	b	c
MAIN	O R	0053	88-108-103-080	C-RES, U 10K-1/16W J	a	b	c
MAIN	X R	0054	88-108-222-080	C-RES, U 2.2K-1/16W J	a	b	c
MAIN	O R	0059	88-108-473-080	C-RES, U 47K-1/16W J	a	b	c
MAIN	O R	0060	88-108-102-080	C-RES, U 1K-1/16W J	a	b	c
MAIN	X R	0063	88-121-183-080	RES, 18K-1/8W J	a	b	c
MAIN	X R	0065	88-121-183-080	RES, 18K-1/8W J	a	b	c
MAIN	O R	0066	88-108-123-080	C-RES, U 12K-1/16W J	a	b	c
MAIN	X R	0067	88-108-333-080	C-RES, U 33K-1/16W J	a	b	c
MAIN	O R	0068	88-108-103-080	C-RES, U 10K-1/16W J	a	b	c
MAIN	O R	0069	88-108-223-080	C-RES, U 22K-1/16W J	a	b	c
MAIN	X R	0071	88-108-472-080	C-RES, U 4.7K-1/16W J	a	b	c
MAIN	X R	0072	88-108-472-080	C-RES, U 4.7K-1/16W J	a	b	c
MAIN	X R	0073	88-108-472-080	C-RES, U 4.7K-1/16W J	a	b	c
MAIN	X R	0074	88-118-100-080	C-RES, S 10-1/10W J	a	b	c
MAIN	X R	0082	88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c
MAIN	X R	0086	88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c
MAIN	X R	0101	88-108-222-080	C-RES, U 2.2K-1/16W J	a	b	c
MAIN	X R	0102	88-108-222-080	C-RES, U 2.2K-1/16W J	a	b	c
MAIN	O R	0105	88-108-223-080	C-RES, U 22K-1/16W J	a	b	c
MAIN	O R	0106	88-108-223-080	C-RES, U 22K-1/16W J	a	b	c
MAIN	O R	0107	88-108-101-080	C-RES, U 100-1/16W J	a	b	c
MAIN	O R	0108	88-108-101-080	C-RES, U 100-1/16W J	a	b	c
MAIN	X R	0109	88-108-393-080	C-RES, U 39K-1/16W J	a	b	c
MAIN	X R	0110	88-108-393-080	C-RES, U 39K-1/16W J	a	b	c
MAIN	O R	0111	88-108-101-080	C-RES, U 100-1/16W J	a	b	c
MAIN	O R	0112	88-108-101-080	C-RES, U 100-1/16W J	a	b	c
MAIN	O R	0113	88-108-101-080	C-RES, U 100-1/16W J	a	b	c
MAIN	O R	0114	88-108-101-080	C-RES, U 100-1/16W J	a	b	c
MAIN	X R	0115	88-108-821-080	C-RES, U 820-1/16W J	a	b	c
MAIN	X R	0116	88-108-821-080	C-RES, U 820-1/16W J	a	b	c
MAIN	X R	0117	88-108-000-080	C-JUMPER, U	a	b	c
MAIN	X R	0118	88-108-000-080	C-JUMPER, U	a	b	c
MAIN	X R	0119	88-108-000-080	C-JUMPER, U	a	b	c
MAIN	X R	0120	88-108-000-080	C-JUMPER, U	a	b	c
MAIN	X R	0121	88-108-122-080	C-RES, U 1.2K-1/16W J	a	b	c
MAIN	X R	0122	88-108-122-080	C-RES, U 1.2K-1/16W J	a	b	c
MAIN	X R	0123	88-118-560-080	C-RES, S 56-1/10W J	a	b	c
MAIN	X R	0124	88-118-560-080	C-RES, S 56-1/10W J	a	b	c
MAIN	X R	0125	88-108-222-080	C-RES, U 2.2K-1/16W J	a	b	c
MAIN	X R	0126	88-108-222-080	C-RES, U 2.2K-1/16W J	a	b	c
MAIN	X R	0127	88-118-101-080	C-RES, S 100-1/10W J	a	b	c
MAIN	X R	0128	88-118-101-080	C-RES, S 100-1/10W J	a	b	c
MAIN	X R	0129	88-108-000-080	C-JUMPER, U	a	b	c
MAIN	X R	0130	88-108-000-080	C-JUMPER, U	a	b	c
MAIN	X R	0131	88-108-222-080	C-RES, U 2.2K-1/16W J	a	b	c
MAIN	X R	0132	88-108-222-080	C-RES, U 2.2K-1/16W J	a	b	c
MAIN	X R	0133	88-108-393-080	C-RES, U 39K-1/16W J	a	b	c
MAIN	X R	0134	88-108-393-080	C-RES, U 39K-1/16W J	a	b	c
MAIN	X R	0135	88-108-000-080	C-JUMPER, U	a	b	c
MAIN	X R	0136	88-108-000-080	C-JUMPER, U	a	b	c

ELECTRICAL PARTS LIST - 15/24

! = ⚠ SAFETY PARTS
C = Components marked

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		X R	0137	88-108-000-080 C-JUMPER,U	a	b	c
MAIN		X R	0138	88-108-000-080 C-JUMPER,U	a	b	c
MAIN		X R	0139	88-118-332-080 C-RES,S 3.3K-1/10W J	a	b	c
MAIN		X R	0140	88-118-332-080 C-RES,S 3.3K-1/10W J	a	b	c
MAIN		X R	0141	88-108-000-080 C-JUMPER,U	a	b	c
MAIN		X R	0142	88-108-000-080 C-JUMPER,U	a	b	c
MAIN		X R	0143	88-108-000-080 C-JUMPER,U	a	b	c
MAIN		X R	0144	88-108-000-080 C-JUMPER,U	a	b	c
MAIN		O R	0145	87-A00-669-080 RES,M/F 0.22-2W J RA	a	b	c
MAIN		O R	0146	87-A00-669-080 RES,M/F 0.22-2W J RA	a	b	c
MAIN		O R	0147	87-A00-669-080 RES,M/F 0.22-2W J RA	a	b	c
MAIN		O R	0148	87-A00-669-080 RES,M/F 0.22-2W J RA	a	b	c
MAIN		X R	0149	88-118-272-080 C-RES,S 2.7K-1/10W J	a	b	c
MAIN		X R	0150	88-118-272-080 C-RES,S 2.7K-1/10W J	a	b	c
MAIN		X R	0153	88-108-392-080 C-RES,U 3.9K-1/16W J	a	b	c
MAIN		X R	0154	88-108-392-080 C-RES,U 3.9K-1/16W J	a	b	c
MAIN		X R	0155	88-108-472-080 C-RES,U 4.7K-1/16W J	a	b	c
MAIN		X R	0156	88-108-472-080 C-RES,U 4.7K-1/16W J	a	b	c
MAIN		X R	0157	88-108-333-080 C-RES,U 33K-1/16W J	a	b	c
MAIN		X R	0158	88-108-333-080 C-RES,U 33K-1/16W J	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		O R	0159	88-108-123-080 C-RES,U 12K-1/16W J	a	b	c
MAIN		O R	0160	88-108-123-080 C-RES,U 12K-1/16W J	a	b	c
MAIN		X R	0161	88-108-220-080 C-RES,U 22-1/16W J	a	b	c
MAIN		X R	0162	88-108-220-080 C-RES,U 22-1/16W J	a	b	c
MAIN		X R	0163	88-128-333-080 C-RES, 33K-1/8W J	a	b	c
MAIN		X R	0164	88-128-333-080 C-RES, 33K-1/8W J	a	b	c
MAIN		X R	0165	88-118-563-080 C-RES,S 56K-1/10W J	a	b	c
MAIN		X R	0166	88-128-563-080 C-RES, 56K-1/8W J	a	b	c
MAIN		X R	0167	88-121-683-080 RES,68K-1/8W J	a	b	c
MAIN		X R	0168	88-121-683-080 RES,68K-1/8W J	a	b	c
MAIN		X R	0169	88-108-182-080 C-RES,U 1.8K-1/16W J	a	b	c
MAIN		X R	0170	88-108-182-080 C-RES,U 1.8K-1/16W J	a	b	c
MAIN		X R	0179	88-108-151-080 C-RES,U 150-1/16W J	a	b	c
MAIN		X R	0180	88-108-151-080 C-RES,U 150-1/16W J	a	b	c
MAIN		O R	0181	87-A00-879-050 RES,M/F 270-1W J	a	b	c
MAIN		O R	0182	87-A00-879-050 RES,M/F 270-1W J	a	b	c
MAIN		O R	0183	87-A00-878-050 RES,M/F 220-1W J	a	b	c
MAIN		O R	0184	87-A00-878-050 RES,M/F 220-1W J	a	b	c
MAIN		X R	0189	88-108-122-080 C-RES,U 1.2K-1/16W J	a	b	c
MAIN		X R	0190	88-108-122-080 C-RES,U 1.2K-1/16W J	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		O R	0191	88-108-102-080 C-RES,U 1K-1/16W J	a	b	c
MAIN		X R	0192	88-128-473-080 C-RES, 47K-1/8W J	a	b	c
MAIN		O R	0193	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
MAIN		O R	0194	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
MAIN		X R	0203	88-108-472-080 C-RES,U 4.7K-1/16W J	a	b	c
MAIN		O R	0204	88-108-123-080 C-RES,U 12K-1/16W J	a	b	c
MAIN		O R	0205	88-108-272-080 C-RES,U 2.7K-1/16W J	a	b	c
MAIN		O R	0206	88-108-473-080 C-RES,U 47K-1/16W J	a	b	c
MAIN		O R	0207	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
MAIN		X R	0208	88-108-331-080 C-RES,U 330-1/16W J	a	b	c
MAIN		X R	0209	88-108-121-080 C-RES,U 120-1/16W J	a	b	c
MAIN		O R	0210	88-108-272-080 C-RES,U 2.7K-1/16W J	a	b	c
MAIN		X R	0211	88-108-222-080 C-RES,U 2.2K-1/16W J	a	b	c
MAIN		O R	0212	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
MAIN		X R	0213	88-108-152-080 C-RES,U 1.5K-1/16W J	a	b	c
MAIN		X R	0214	88-108-333-080 C-RES,U 33K-1/16W J	a	b	c
MAIN		O R	0215	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
MAIN		O R	0216	88-108-562-080 C-RES,U 5.6K-1/16W J	a	b	c
MAIN		X R	0217	88-108-472-080 C-RES,U 4.7K-1/16W J	a	b	c
MAIN		X R	0218	88-108-472-080 C-RES,U 4.7K-1/16W J	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		O R	0219	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
MAIN		X R	0220	88-128-332-080 C-RES, 3.3K-1/8W J	a	b	c
MAIN		X R	0222	88-118-271-080 C-RES,S 270-1/10W J	a	b	c
MAIN		X R	0224	88-108-222-080 C-RES,U 2.2K-1/16W J	a	b	c
MAIN		O R	0226	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
MAIN		O R	0228	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
MAIN		X R	0229	88-108-682-080 C-RES,U 6.8K-1/16W J	a	b	c
MAIN		O R	0230	88-108-153-080 C-RES,U 15K-1/16W J	a	b	c
MAIN		O R	0231	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
MAIN		O R	0232	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
MAIN		O R	0233	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
MAIN		O R	0234	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
MAIN		O R	0235	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
MAIN		O R	0236	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
MAIN		O R	0237	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
MAIN		O R	0238	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
MAIN		O R	0241	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
MAIN		O R	0242	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
MAIN		O R	0243	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
MAIN		O R	0244	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c

ELECTRICAL PARTS LIST - 16/24

! =  SAFETY PARTS
C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		X R	0245 88-108-682-080	C-RES,U 6.8K-1/16W J	a	b	c
MAIN		X R	0246 88-108-222-080	C-RES,U 2.2K-1/16W J	a	b	c
MAIN		O R	0247 88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
MAIN		X R	0248 88-128-472-080	C-RES, 4.7K-1/8W J	a	b	c
MAIN		X R	0249 88-128-472-080	C-RES, 4.7K-1/8W J	a	b	c
MAIN		X R	0251 88-108-472-080	C-RES,U 4.7K-1/16W J	a	b	c
MAIN		X R	0252 88-108-472-080	C-RES,U 4.7K-1/16W J	a	b	c
MAIN		X R	0253 88-128-473-080	C-RES, 47K-1/8W J	a	b	c
MAIN		O R	0254 88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
MAIN		X R	0255 88-128-473-080	C-RES, 47K-1/8W J	a	b	c
MAIN		O R	0261 88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
MAIN		O R	0262 88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
MAIN		X R	0263 88-128-473-080	C-RES, 47K-1/8W J	a	b	c
MAIN		O R	0264 88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
MAIN		X R	0275 88-128-100-080	C-RES, 10-1/8W J	a	b	c
MAIN		X R	0276 88-128-100-080	C-RES, 10-1/8W J	a	b	c
MAIN		X R	0277 88-128-100-080	C-RES, 10-1/8W J	a	b	c
MAIN		X R	0278 88-128-100-080	C-RES, 10-1/8W J	a	b	c
MAIN		X R	0281 88-128-220-080	C-RES, 22-1/8W J	a	b	c
MAIN		X R	0282 88-128-180-080	C-RES, 18-1/8W J	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		X R	0283 88-128-180-080	C-RES, 18-1/8W J	a	b	c
MAIN		X R	0284 88-108-273-080	C-RES,U 27K-1/16W J	a	b	c
MAIN		X R	0291 88-108-683-080	C-RES,U 68K-1/16W J	a	b	c
MAIN		X R	0292 88-108-105-080	C-RES,U 1M-1/16W J	a	b	c
MAIN		O R	0293 88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
MAIN		O R	0294 88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
MAIN		X R	0295 88-128-153-080	C-RES, 15K-1/8W J	a	b	c
MAIN		X R	0296 88-128-153-080	C-RES, 15K-1/8W J	a	b	c
MAIN		X R	0297 88-128-153-080	C-RES, 15K-1/8W J	a	b	c
MAIN		X R	0298 88-128-153-080	C-RES, 15K-1/8W J	a	b	c
MAIN		X R	0301 88-108-222-080	C-RES,U 2.2K-1/16W J	a	b	c
MAIN		X R	0302 88-108-222-080	C-RES,U 2.2K-1/16W J	a	b	c
MAIN		O R	0305 88-108-223-080	C-RES,U 22K-1/16W J	a	b	c
MAIN		O R	0306 88-108-223-080	C-RES,U 22K-1/16W J	a	b	c
MAIN		X R	0307 88-121-103-080	RES,10K-1/8W J	a	b	c
MAIN		O R	0308 88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
MAIN		X R	0309 88-108-333-080	C-RES,U 33K-1/16W J	a	b	c
MAIN		X R	0310 88-108-333-080	C-RES,U 33K-1/16W J	a	b	c
MAIN		O R	0311 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
MAIN		O R	0312 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		O R	0313 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
MAIN		O R	0314 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
MAIN		X R	0315 88-108-821-080	C-RES,U 820-1/16W J	a	b	c
MAIN		X R	0316 88-108-821-080	C-RES,U 820-1/16W J	a	b	c
MAIN		X R	0317 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0318 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0319 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0320 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0321 88-108-122-080	C-RES,U 1.2K-1/16W J	a	b	c
MAIN		X R	0322 88-108-122-080	C-RES,U 1.2K-1/16W J	a	b	c
MAIN		X R	0323 88-118-560-080	C-RES,S 56-1/10W J	a	b	c
MAIN		X R	0324 88-118-560-080	C-RES,S 56-1/10W J	a	b	c
MAIN		X R	0325 88-121-222-080	RES,2.2K-1/8W J	a	b	c
MAIN		X R	0326 88-108-222-080	C-RES,U 2.2K-1/16W J	a	b	c
MAIN		O R	0327 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
MAIN		O R	0328 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
MAIN		X R	0329 88-108-122-080	C-RES,U 1.2K-1/16W J	a	b	c
MAIN		X R	0330 88-108-122-080	C-RES,U 1.2K-1/16W J	a	b	c
MAIN		X R	0331 88-108-222-080	C-RES,U 2.2K-1/16W J	a	b	c
MAIN		X R	0332 88-108-222-080	C-RES,U 2.2K-1/16W J	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		X R	0333 88-108-393-080	C-RES,U 39K-1/16W J	a	b	c
MAIN		X R	0334 88-108-393-080	C-RES,U 39K-1/16W J	a	b	c
MAIN		X R	0335 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0336 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0337 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0338 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0339 88-118-682-080	C-RES,S 6.8K-1/10W J	a	b	c
MAIN		X R	0340 88-118-682-080	C-RES,S 6.8K-1/10W J	a	b	c
MAIN		X R	0341 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0342 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0343 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0344 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		O R	0345 87-A00-669-080	RES,M/F 0.22-2W J RA	a	b	c
MAIN		O R	0346 87-A00-669-080	RES,M/F 0.22-2W J RA	a	b	c
MAIN		O R	0347 87-A00-669-080	RES,M/F 0.22-2W J RA	a	b	c
MAIN		O R	0348 87-A00-669-080	RES,M/F 0.22-2W J RA	a	b	c
MAIN		X R	0349 88-118-222-080	C-RES,S 2.2K-1/10W J	a	b	c
MAIN		X R	0350 88-118-222-080	C-RES,S 2.2K-1/10W J	a	b	c
MAIN		X R	0353 88-108-392-080	C-RES,U 3.9K-1/16W J	a	b	c
MAIN		X R	0354 88-108-392-080	C-RES,U 3.9K-1/16W J	a	b	c

ELECTRICAL PARTS LIST - 17/24

! =  SAFETY PARTS

C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		X R	0355	88-108-472-080 C-RES,U 4.7K-1/16W J	a	b	c
MAIN		X R	0356	88-108-472-080 C-RES,U 4.7K-1/16W J	a	b	c
MAIN		X R	0357	88-108-333-080 C-RES,U 33K-1/16W J	a	b	c
MAIN		X R	0358	88-108-333-080 C-RES,U 33K-1/16W J	a	b	c
MAIN		O R	0359	88-108-123-080 C-RES,U 12K-1/16W J	a	b	c
MAIN		O R	0360	88-108-123-080 C-RES,U 12K-1/16W J	a	b	c
MAIN		X R	0361	88-108-220-080 C-RES,U 22-1/16W J	a	b	c
MAIN		X R	0362	88-108-220-080 C-RES,U 22-1/16W J	a	b	c
MAIN		X R	0363	88-128-333-080 C-RES, 33K-1/8W J	a	b	c
MAIN		X R	0364	88-128-333-080 C-RES, 33K-1/8W J	a	b	c
MAIN		O R	0365	88-108-563-080 C-RES,U 56K-1/16W J	a	b	c
MAIN		X R	0366	88-118-563-080 C-RES,S 56K-1/10W J	a	b	c
MAIN		X R	0367	88-108-683-080 C-RES,U 68K-1/16W J	a	b	c
MAIN		X R	0368	88-108-683-080 C-RES,U 68K-1/16W J	a	b	c
MAIN		X R	0369	88-108-182-080 C-RES,U 1.8K-1/16W J	a	b	c
MAIN		X R	0370	88-108-182-080 C-RES,U 1.8K-1/16W J	a	b	c
MAIN		X R	0371	88-128-153-080 C-RES, 15K-1/8W J	a	b	c
MAIN		X R	0372	88-128-153-080 C-RES, 15K-1/8W J	a	b	c
MAIN		X R	0373	88-128-153-080 C-RES, 15K-1/8W J	a	b	c
MAIN		X R	0374	88-128-153-080 C-RES, 15K-1/8W J	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		X R	0375	88-121-100-080 RES,10-1/8W J	a	b	c
MAIN		X R	0376	88-121-100-080 RES,10-1/8W J	a	b	c
MAIN		X R	0377	88-128-100-080 C-RES, 10-1/8W J	a	b	c
MAIN		X R	0378	88-128-100-080 C-RES, 10-1/8W J	a	b	c
MAIN		X R	0379	88-108-151-080 C-RES,U 150-1/16W J	a	b	c
MAIN		X R	0380	88-108-151-080 C-RES,U 150-1/16W J	a	b	c
MAIN		X R	0389	88-108-122-080 C-RES,U 1.2K-1/16W J	a	b	c
MAIN		X R	0390	88-108-122-080 C-RES,U 1.2K-1/16W J	a	b	c
MAIN		O R	0391	88-108-102-080 C-RES,U 1K-1/16W J	a	b	c
MAIN		X R	0392	88-128-473-080 C-RES, 47K-1/8W J	a	b	c
MAIN		O R	0393	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
MAIN		O R	0394	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
MAIN		X R	0395	88-108-683-080 C-RES,U 68K-1/16W J	a	b	c
MAIN		X R	0396	88-108-105-080 C-RES,U 1M-1/16W J	a	b	c
MAIN		O R	0397	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
MAIN		X R	0398	88-121-102-080 RES,1K-1/8W J	a	b	c
MAIN		X R	0403	88-108-472-080 C-RES,U 4.7K-1/16W J	a	b	c
MAIN		O R	0405	88-108-272-080 C-RES,U 2.7K-1/16W J	a	b	c
MAIN		O R	0406	88-108-473-080 C-RES,U 47K-1/16W J	a	b	c
MAIN		O R	0407	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		X R	0408	88-108-331-080 C-RES,U 330-1/16W J	a	b	c
MAIN		X R	0409	88-108-121-080 C-RES,U 120-1/16W J	a	b	c
MAIN		O R	0410	88-108-272-080 C-RES,U 2.7K-1/16W J	a	b	c
MAIN		X R	0411	88-108-222-080 C-RES,U 2.2K-1/16W J	a	b	c
MAIN		O R	0412	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
MAIN		X R	0413	88-108-152-080 C-RES,U 1.5K-1/16W J	a	b	c
MAIN		X R	0414	88-108-333-080 C-RES,U 33K-1/16W J	a	b	c
MAIN		O R	0415	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
MAIN		O R	0416	88-108-562-080 C-RES,U 5.6K-1/16W J	a	b	c
MAIN		X R	0417	88-108-472-080 C-RES,U 4.7K-1/16W J	a	b	c
MAIN		X R	0418	88-108-472-080 C-RES,U 4.7K-1/16W J	a	b	c
MAIN		O R	0419	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
MAIN		X R	0420	88-128-332-080 C-RES, 3.3K-1/8W J	a	b	c
MAIN		X R	0422	88-118-271-080 C-RES,S 270-1/10W J	a	b	c
MAIN		X R	0424	88-108-222-080 C-RES,U 2.2K-1/16W J	a	b	c
MAIN		O R	0426	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
MAIN		O R	0428	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
MAIN		X R	0429	88-108-682-080 C-RES,U 6.8K-1/16W J	a	b	c
MAIN		O R	0430	88-108-153-080 C-RES,U 15K-1/16W J	a	b	c
MAIN		O R	0431	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		O R	0432	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
MAIN		O R	0433	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
MAIN		O R	0434	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
MAIN		O R	0435	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
MAIN		O R	0436	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
MAIN		O R	0437	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
MAIN		O R	0438	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
MAIN		O R	0441	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
MAIN		O R	0442	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
MAIN		O R	0443	88-108-332-080 C-RES,U 3.3K-1/16W J	a	b	c
MAIN		X R	0445	88-108-682-080 C-RES,U 6.8K-1/16W J	a	b	c
MAIN		X R	0446	88-108-222-080 C-RES,U 2.2K-1/16W J	a	b	c
MAIN		O R	0447	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c
MAIN		X R	0448	88-128-472-080 C-RES, 4.7K-1/8W J	a	b	c
MAIN		X R	0449	88-128-472-080 C-RES, 4.7K-1/8W J	a	b	c
MAIN		O R	0452	88-108-272-080 C-RES,U 2.7K-1/16W J	a	b	c
MAIN		X R	0454	88-128-272-080 C-RES, 2.7K-1/8W J	a	b	c
MAIN		O R	0456	88-108-272-080 C-RES,U 2.7K-1/16W J	a	b	c
MAIN		X R	0501	88-108-222-080 C-RES,U 2.2K-1/16W J	a	b	c
MAIN		O R	0503	88-108-223-080 C-RES,U 22K-1/16W J	a	b	c

ELECTRICAL PARTS LIST - 18/24

!

=  SAFTY PARTS

C

= Components marked

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
					AV -NW30 EZSC	AV -NW30 EZBC	AV -NW30 KSC
MAIN		O R	0504 88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
MAIN		X R	0505 88-108-333-080	C-RES,U 33K-1/16W J	a	b	c
MAIN		O R	0506 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
MAIN		O R	0507 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
MAIN		X R	0508 88-108-821-080	C-RES,U 820-1/16W J	a	b	c
MAIN		X R	0509 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0510 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0511 88-108-122-080	C-RES,U 1.2K-1/16W J	a	b	c
MAIN		X R	0512 88-108-222-080	C-RES,U 2.2K-1/16W J	a	b	c
MAIN		X R	0513 88-108-560-080	C-RES,U 56-1/16W J	a	b	c
MAIN		O R	0514 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
MAIN		X R	0517 88-118-682-080	C-RES,S 6.8K-1/10W J	a	b	c
MAIN		X R	0519 88-118-222-080	C-RES,S 2.2K-1/10W J	a	b	c
MAIN		X R	0520 88-118-683-080	C-RES,S 68K-1/10W J	a	b	c
MAIN		X R	0521 88-108-393-080	C-RES,U 39K-1/16W J	a	b	c
MAIN		X R	0522 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0523 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0524 88-108-122-080	C-RES,U 1.2K-1/16W J	a	b	c
MAIN		X R	0525 88-108-122-080	C-RES,U 1.2K-1/16W J	a	b	c
MAIN		O R	0526 88-108-332-080	C-RES,U 3.3K-1/16W J	a	b	c
MAIN		O R	0527 87-A00-669-080	RES,M/F 0.22-2W J RA	a	b	c
MAIN		O R	0528 87-A00-669-080	RES,M/F 0.22-2W J RA	a	b	c
MAIN		X R	0531 88-108-392-080	C-RES,U 3.9K-1/16W J	a	b	c
MAIN		X R	0532 88-108-472-080	C-RES,U 4.7K-1/16W J	a	b	c
MAIN		X R	0533 88-108-333-080	C-RES,U 33K-1/16W J	a	b	c
MAIN		X R	0534 88-128-333-080	C-RES, 33K-1/8W J	a	b	c
MAIN		O R	0535 88-108-123-080	C-RES,U 12K-1/16W J	a	b	c
MAIN		X R	0536 88-118-220-080	C-RES,S 22-1/10W J	a	b	c
MAIN		O R	0541 88-108-332-080	C-RES,U 3.3K-1/16W J	a	b	c
MAIN		O R	0542 88-108-332-080	C-RES,U 3.3K-1/16W J	a	b	c
MAIN		O R	0543 88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
MAIN		O R	0544 88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
MAIN		O R	0545 88-108-563-080	C-RES,U 56K-1/16W J	a	b	c
MAIN		X R	0559 88-108-182-080	C-RES,U 1.8K-1/16W J	a	b	c
MAIN		X R	0560 88-128-473-080	C-RES, 47K-1/8W J	a	b	c
MAIN		X R	0581 88-128-153-080	C-RES, 15K-1/8W J	a	b	c
MAIN		X R	0582 88-128-153-080	C-RES, 15K-1/8W J	a	b	c
MAIN		X R	0583 88-121-100-080	RES,10-1/8W J	a	b	c
MAIN		X R	0584 88-128-100-080	C-RES, 10-1/8W J	a	b	c
MAIN		X R	0585 88-108-182-080	C-RES,U 1.8K-1/16W J	a	b	c
MAIN		X R	0586 88-108-222-080	C-RES,U 2.2K-1/16W J	a	b	c
MAIN		X R	0589 88-108-151-080	C-RES,U 150-1/16W J	a	b	c
MAIN		X R	0591 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0592 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0593 88-128-682-080	C-RES, 6.8K-1/8W J	a	b	c
MAIN		O R	0601 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
MAIN		O R	0602 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
MAIN		O R	0603 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
MAIN		O R	0604 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
MAIN		O R	0605 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
MAIN		O R	0606 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
MAIN		X R	0607 88-108-472-080	C-RES,U 4.7K-1/16W J	a	b	c
MAIN		X R	0608 88-108-472-080	C-RES,U 4.7K-1/16W J	a	b	c
MAIN		X R	0609 88-108-472-080	C-RES,U 4.7K-1/16W J	a	b	c
MAIN		X R	0610 88-108-472-080	C-RES,U 4.7K-1/16W J	a	b	c
MAIN		O R	0611 88-108-473-080	C-RES,U 47K-1/16W J	a	b	c
MAIN		O R	0612 88-108-473-080	C-RES,U 47K-1/16W J	a	b	c
MAIN		O R	0613 88-108-473-080	C-RES,U 47K-1/16W J	a	b	c
MAIN		O R	0614 88-108-473-080	C-RES,U 47K-1/16W J	a	b	c
MAIN		O R	0615 88-108-473-080	C-RES,U 47K-1/16W J	a	b	c
MAIN		O R	0616 88-108-473-080	C-RES,U 47K-1/16W J	a	b	c
MAIN		O R	0617 88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
MAIN		O R	0618 88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
MAIN		X R	0641 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0642 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0643 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0644 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0645 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0646 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0647 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0648 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0649 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0650 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0651 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0652 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0653 88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c
MAIN		X R	0654 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0655 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0656 88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c
MAIN		X R	0657 88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c

ELECTRICAL PARTS LIST - 19/24

! = ⚠ SAFETY PARTS

C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		X R	0658 88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c
MAIN		X R	0659 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0660 88-108-000-080	C-JUMPER,U	a	b	c
MAIN		X R	0681 88-128-120-080	C-RES, 12-1/8W J	a	b	c
MAIN		X R	0682 88-128-120-080	C-RES, 12-1/8W J	a	b	c
MAIN		X R	0683 88-128-120-080	C-RES, 12-1/8W J	a	b	c
MAIN		X R	0684 88-128-150-080	C-RES, 15-1/8W J	a	b	c
MAIN		X R	0685 88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c
MAIN		O R	0686 88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
MAIN		O R	0687 88-108-223-080	C-RES,U 22K-1/16W J	a	b	c
MAIN		O R	0688 88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
MAIN		X R	0691 88-128-120-080	C-RES, 12-1/8W J	a	b	c
MAIN		O R	0692 87-A00-147-050	RES,M/F 68-1W J RSF(S)	a	b	c
MAIN		O R	0693 87-A00-147-050	RES,M/F 68-1W J RSF(S)	a	b	c
MAIN		X R	0694 88-129-000-080	C-JUMPER, 3216	a	b	c
MAIN		X R	0695 88-128-120-080	C-RES, 12-1/8W J	a	b	c
MAIN		X R	0696 88-128-120-080	C-RES, 12-1/8W J	a	b	c
MAIN		X R	0697 88-128-120-080	C-RES, 12-1/8W J	a	b	c
MAIN		O R	0698 88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
MAIN		X R	0701 88-118-750-080	C-RES,S 75-1/10W J	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		X R	0702 88-118-750-080	C-RES,S 75-1/10W J	a	b	c
MAIN		X R	0703 88-118-750-080	C-RES,S 75-1/10W J	a	b	c
MAIN		O R	0711 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
MAIN		O R	0712 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
MAIN		O R	0713 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
MAIN		O R	0714 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
MAIN		O R	0715 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
MAIN		O R	0716 88-108-101-080	C-RES,U 100-1/16W J	a	b	c
MAIN		O R	0721 88-108-473-080	C-RES,U 47K-1/16W J	a	b	c
MAIN		O R	0722 88-108-473-080	C-RES,U 47K-1/16W J	a	b	c
MAIN		O R	0723 88-108-473-080	C-RES,U 47K-1/16W J	a	b	c
MAIN		O R	0724 88-108-473-080	C-RES,U 47K-1/16W J	a	b	c
MAIN		O R	0725 88-108-473-080	C-RES,U 47K-1/16W J	a	b	c
MAIN		O R	0726 88-108-473-080	C-RES,U 47K-1/16W J	a	b	c
MAIN		X R	0731 88-121-750-080	RES,75-1/8W J	a	b	c
MAIN		X R	0732 88-121-750-080	RES,75-1/8W J	a	b	c
MAIN		X R	0761 88-128-181-080	C-RES, 180-1/8W J	a	b	c
MAIN		X R	0762 88-128-181-080	C-RES, 180-1/8W J	a	b	c
MAIN		X R	0763 88-128-181-080	C-RES, 180-1/8W J	a	b	c
MAIN		O R	0764 88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		O R	0766 88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
MAIN		O R	0771 88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
MAIN		O R	0772 88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
MAIN		O R	0773 88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
MAIN		O R	0774 88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
MAIN		X R	0775 88-121-472-080	RES,4.7K-1/8W J	a	b	c
MAIN		X R	0776 88-108-182-080	C-RES,U 1.8K-1/16W J	a	b	c
MAIN		O R	0781 88-108-473-080	C-RES,U 47K-1/16W J	a	b	c
MAIN		O R	0782 88-108-473-080	C-RES,U 47K-1/16W J	a	b	c
MAIN		O R	0783 88-108-473-080	C-RES,U 47K-1/16W J	a	b	c
MAIN		O R	0784 88-108-473-080	C-RES,U 47K-1/16W J	a	b	c
MAIN		X R	0791 88-128-820-080	C-RES, 82-1/8W J	a	b	c
MAIN		X R	0792 88-128-820-080	C-RES, 82-1/8W J	a	b	c
MAIN		X R	0793 88-129-000-080	C-JUMPER, 3216	a	b	c
MAIN		X R	0801 88-108-273-080	C-RES,U 27K-1/16W J	a	b	c
MAIN		X R	0802 88-121-101-080	RES,100-1/8W J	a	b	c
MAIN		O R	0803 88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
MAIN		O R	0804 88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
MAIN		O R	0805 88-108-223-080	C-RES,U 22K-1/16W J	a	b	c
MAIN		X R	0806 88-108-000-080	C-JUMPER,U	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
MAIN		X R	0807 88-108-472-080	C-RES,U 4.7K-1/16W J	a	b	c
MAIN		X R	0809 88-108-474-080	C-RES,U 470K-1/16W J	a	b	c
MAIN		X R	0821 88-108-683-080	C-RES,U 68K-1/16W J	a	b	c
MAIN		X R	0822 88-108-105-080	C-RES,U 1M-1/16W J	a	b	c
MAIN		O R	0823 88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
MAIN		X R	0824 88-121-102-080	RES,1K-1/8W J	a	b	c
MAIN		O R	0900 88-108-102-080	C-RES,U 1K-1/16W J	a	b	.
MAIN		O R	0901 88-108-102-080	C-RES,U 1K-1/16W J	a	b	.
MAIN		X R	0902 88-121-471-080	RES,470-1/8W J	a	b	.
MAIN		X R	0903 88-108-471-080	C-RES,U 470-1/16W J	a	b	.
MAIN		X R	0904 88-121-272-080	RES,2.7K-1/8W J	a	b	.
MAIN		O R	0905 88-108-123-080	C-RES,U 12K-1/16W J	a	b	.
MAIN		X R	0906 88-108-104-080	C-RES,U 100K-1/16W J	a	b	.
MAIN		X R	0907 88-108-104-080	C-RES,U 100K-1/16W J	a	b	.
MAIN		O RY	0201 87-A91-686-010	RELAY, G5PA-28(OMRON)	a	b	c
MAIN		O TH	0101 87-A91-042-080	C-THMS,100K 55001	a	b	c
MAIN		O TH	0102 87-A91-042-080	C-THMS,100K 55001	a	b	c
MAIN		O TH	0301 87-A91-042-080	C-THMS,100K 55001	a	b	c
MAIN		O TH	0302 87-A91-042-080	C-THMS,100K 55001	a	b	c
MAIN		O TH	0501 87-A91-042-080	C-THMS,100K 55001	a	b	c

ELECTRICAL PARTS LIST - 20/24

! = ⚠ SAFTY PARTS

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All components used on this model at the production line are shown in this service manual.

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					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC	
MAIN		O X	0900	87-A70-307-010	VIB,XTAL 4.332MHZ CSA-309ST	a	b	.
SUB-PT		O C	0051	87-010-388-080	CAP,E 1000-25 M SME	a	b	c
SUB-PT		O C	0052	87-010-403-080	CAP,E 3.3-50 M 11L SME	a	b	c
SUB-PT		O C	0053	87-A12-317-080	C-CAP,U 0.1-50 Z F	a	b	c
SUB-PT		O C	0054	87-A12-317-080	C-CAP,U 0.1-50 Z F	a	b	c
SUB-PT		O C	0055	87-A12-317-080	C-CAP,U 0.1-50 Z F	a	b	c
SUB-PT	!	O C	0060	87-A10-480-090	CAP,CER 4700P-250 M E KH	a	b	c
SUB-PT		O CNA	0052	88-805-032-890	CONN ASSY,3P V WHT 280 MM	a	b	c
SUB-PT		S D	0051	87-020-465-080	DIODE,1SS133	a	b	c
SUB-PT		S D	0052	87-020-465-080	DIODE,1SS133	a	b	c
SUB-PT		S D	0053	87-020-465-080	DIODE,1SS133	a	b	c
SUB-PT		S D	0054	87-020-465-080	DIODE,1SS133	a	b	c
SUB-PT		S D	0055	87-020-465-080	DIODE,1SS133	a	b	c
SUB-PT		S D	0056	87-020-465-080	DIODE,1SS133	a	b	c
SUB-PT		S D	0057	87-020-465-080	DIODE,1SS133	a	b	c
SUB-PT		X JW	0051	88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c
SUB-PT		X PR	0051	88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c
SUB-PT	!	O PT	0051	8Z-NF8-659-010	PT,SUB-PT ZNF-8(E)TAM	a	b	c
SUB-PT		S Q	0051	87-A30-427-040	C-TR,DTC114EKA	a	b	c
SUB-PT		S Q	0052	87-A30-492-080	TR,2SC5343G	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC	
SUB-PT		X R	0051	88-121-100-080	RES,10-1/8W J	a	b	c
SUB-PT		X R	0052	88-121-333-080	RES,33K-1/8W J	a	b	c
SUB-PT		X R	0053	88-121-101-080	RES,100-1/8W J	a	b	c
SUB-PT		X R	0057	88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c
SUB-PT	!	O RY	0051	87-A91-368-010	RELAY,AC DC12V DG12D-0(M)-2	a	b	c
SUB-PT		O T	0051	87-A60-317-010	TERMINAL, 1P MSC	a	b	c
SUB-PT		O T	0052	87-A60-317-010	TERMINAL, 1P MSC	a	b	c
SUB-PT	!	O W	0051	87-A80-143-010	AC CORD ASSY,E BLK	a	b	c
TUNER		O C	0772	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O C	0779	87-012-280-080	C-CAP,U 3300P-50 K B GRM	a	b	c
TUNER		O C	0780	87-012-280-080	C-CAP,U 3300P-50 K B GRM	a	b	c
TUNER		O C	0781	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O C	0782	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O C	0783	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O C	0785	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O C	0786	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O C	0788	87-012-167-080	C-CAP,U 5P-50 C CH GRM	a	b	c
TUNER		O C	0789	87-010-786-080	C-CAP,U 0.018-25 K B GRM	a	b	c
TUNER		O C	0790	87-010-786-080	C-CAP,U 0.018-25 K B GRM	a	b	c
TUNER		O C	0792	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC	
TUNER		O C	0793	87-A10-262-080	C-CAP,U 1-10 Z F	a	b	c
TUNER		O C	0795	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O C	0796	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O C	0797	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O C	0799	87-010-383-040	CAP,E 33-25 M 11L SME	a	b	c
TUNER		O C	0800	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O C	0801	87-A10-262-080	C-CAP,U 1-10 Z F	a	b	c
TUNER		O C	0802	87-010-829-080	C-CAP,U 0.047-16 Z F CM/CB	a	b	c
TUNER		O C	0804	87-010-263-040	CAP,E 100-10 M 11L SME	a	b	c
TUNER		O C	0807	87-A10-463-080	C-CAP,U 0.47-10 Z F	a	b	c
TUNER		O C	0808	87-A10-262-080	C-CAP,U 1-10 Z F	a	b	c
TUNER		O C	0809	87-A10-262-080	C-CAP,U 1-10 Z F	a	b	c
TUNER		O C	0814	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O C	0815	87-A10-463-080	C-CAP,U 0.47-10 Z F	a	b	c
TUNER		O C	0816	87-A10-463-080	C-CAP,U 0.47-10 Z F	a	b	c
TUNER		O C	0821	87-A11-796-080	C-CAP,S 4.7-10 Z F	a	b	c
TUNER		O C	0823	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c
TUNER		O C	0825	87-A11-317-080	C-CAP,U 0.068U-16 K B	a	b	c
TUNER		O C	0831	87-010-382-040	CAP,E 22-25 M 11L SME	a	b	c
TUNER		O C	0832	87-010-419-080	CAP,E 4.7-16 M 5L SRE	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC	
TUNER		O C	0837	87-A12-022-080	C-CAP,U 0.22-16 Z F	a	b	c
TUNER		O C	0842	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b	c
TUNER		O C	0847	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O C	0848	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O C	0850	87-A10-262-080	C-CAP,U 1-10 Z F	a	b	c
TUNER		O C	0851	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O C	0852	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O C	0853	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O C	0854	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O C	0855	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O C	0856	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O C	0859	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b	c
TUNER		O C	0860	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O C	0901	87-012-162-080	C-CAP,U 1P-50 C CH GRM	a	b	c
TUNER		O C	0902	87-012-165-080	C-CAP,U 3P-50 C CH GRM	a	b	c
TUNER		O C	0903	87-012-164-080	C-CAP,U 2P-50 C CH GRM	a	b	c
TUNER		O C	0904	86-ZA1-615-080	C-CAP,U 680P-25 J CH	a	b	c
TUNER		O C	0905	87-012-162-080	C-CAP,U 1P-50 C CH GRM	a	b	c
TUNER		O C	0906	87-012-172-080	C-CAP,U 10P-50 D CH GRM	a	b	c
TUNER		O C	0907	87-012-166-080	C-CAP,U 4P-50 C CH GRM	a	b	c

ELECTRICAL PARTS LIST - 21/24

! =  SAFETY PARTS

C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL			
						AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC	
TUNER		O	C	0908	87-012-165-080	C-CAP,U 3P-50 C CH GRM	a	b	c
TUNER		O	C	0909	86-ZA1-615-080	C-CAP,U 680P-25 J CH	a	b	c
TUNER		O	C	0910	87-012-164-080	C-CAP,U 2P-50 C CH GRM	a	b	c
TUNER		O	C	0911	87-012-166-080	C-CAP,U 4P-50 C CH GRM	a	b	c
TUNER		O	C	0912	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
TUNER		O	C	0913	86-ZA1-616-080	C-CAP,U 0.01-50 K B (MUR)	a	b	c
TUNER		O	C	0914	86-ZA1-616-080	C-CAP,U 0.01-50 K B (MUR)	a	b	c
TUNER		O	C	0915	86-ZA1-616-080	C-CAP,U 0.01-50 K B (MUR)	a	b	c
TUNER		O	C	0916	86-ZA1-616-080	C-CAP,U 0.01-50 K B (MUR)	a	b	c
TUNER		O	C	0917	87-012-178-080	C-CAP,U 18P-50 J CH GRM	a	b	c
TUNER		O	C	0918	87-012-172-080	C-CAP,U 10P-50 D CH GRM	a	b	c
TUNER		O	C	0919	87-012-184-080	C-CAP,U 33P-50 J CH GRM	a	b	c
TUNER		O	C	0920	87-012-184-080	C-CAP,U 33P-50 J CH GRM	a	b	c
TUNER		O	C	0921	87-012-180-080	C-CAP,U 22P-50 J CH GRM	a	b	c
TUNER		O	C	0922	87-012-174-080	C-CAP,U 12P-50 J CH GRM	a	b	c
TUNER		O	C	0923	86-ZA1-616-080	C-CAP,U 0.01-50 K B (MUR)	a	b	c
TUNER		O	C	0924	87-012-164-080	C-CAP,U 2P-50 C CH GRM	a	b	c
TUNER		O	C	0925	87-012-164-080	C-CAP,U 2P-50 C CH GRM	a	b	c
TUNER		O	C	0926	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
TUNER		O	C	0927	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
TUNER		O	C	0931	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b	c
TUNER		O	C	0932	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O	C	0933	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O	C	0934	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O	C	0935	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O	C	0936	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O	C	0937	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O	C	0938	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O	C	0939	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O	C	0946	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O	C	0947	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O	C	0950	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		X	C	0957	88-108-000-080	C-JUMPER,U	a	b	c
TUNER		O	C	0961	87-012-172-080	C-CAP,U 10P-50 D CH GRM	a	b	c
TUNER		O	C	0962	87-A10-262-080	C-CAP,U 1-10 Z F	a	b	c
TUNER		O	C	0963	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b	c
TUNER		O	C	0971	87-010-381-040	CAP,E 330-16 M SME	a	b	c
TUNER		O	C	0972	87-A11-063-080	C-CAP,S 4.7-10 Z F	a	b	c
TUNER		O	C	0973	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O	C	0974	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O	C	0976	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b	c
TUNER		O	C	0979	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
TUNER		O	C	0981	87-010-380-040	CAP,E 47-16 M 11L SME	a	b	c
TUNER		O	C	0982	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b	c
TUNER		O	C	0983	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O	C	0984	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O	C	0985	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
TUNER		O	C	0987	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O	C	0988	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O	C	0989	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O	C	0990	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
TUNER		O	C	0991	87-012-182-080	C-CAP,U 27P-50 J CH GRM	a	b	c
TUNER		O	C	0992	87-012-172-080	C-CAP,U 10P-50 D CH GRM	a	b	c
TUNER		O	C	0993	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c
TUNER		O	C	0994	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
TUNER		O	C	0995	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c
TUNER		O	C	0996	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c
TUNER		O	C	0997	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b	c
TUNER		O	C	0998	87-010-380-040	CAP,E 47-16 M 11L SME	a	b	c
TUNER		O	C	0999	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O	CF	0831	87-008-423-010	FLTR,CF SFE10.7MS3G-A	a	b	c
TUNER		O	CF	0832	82-785-747-010	CF,MS2GH-A	a	b	c
TUNER		O	CN	0403	87-099-033-010	CONN,16P H BLK 6216	a	b	c
TUNER		S	D	0801	87-020-465-080	DIODE,1SS133	a	b	c
TUNER		S	D	0803	87-020-465-080	DIODE,1SS133	a	b	c
TUNER		X	D	0896	88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c
TUNER		O	D	0901	87-A41-048-040	C-VARI-CAP,HVM16-03 TL	a	b	c
TUNER		O	D	0902	87-A41-048-040	C-VARI-CAP,HVM16-03 TL	a	b	c
TUNER		O	D	0903	87-A41-048-040	C-VARI-CAP,HVM16-03 TL	a	b	c
TUNER		O	D	0951	87-A40-799-040	C-VARI-CAP,KV1610S	a	b	c
TUNER		S	D	0991	87-017-149-080	ZENER,HZS6A2L	a	b	c
TUNER		S	D	0992	87-020-465-080	DIODE,1SS133	a	b	c
TUNER		S	IC	0801	87-A22-060-010	IC,LA1845N-A	a	b	c
TUNER		S	IC	0991	87-A21-928-010	IC,LC72131D-N	a	b	c
TUNER		O	J	0832	87-A61-823-010	TERMINAL,ANT PAL AJ-2073	a	b	c
TUNER		O	J	0940	87-A60-633-010	CONN,2P H 2.5MM JMT	a	b	c
TUNER		X	JR	0782	88-108-000-080	C-JUMPER,U	a	b	c
TUNER		O	JR	0783	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
TUNER		X	JR	0801	88-129-000-080	C-JUMPER, 3216	a	b	c
TUNER		X	JR	0802	88-129-000-080	C-JUMPER, 3216	a	b	c

ELECTRICAL PARTS LIST - 22/24

! =  SAFETY PARTS

C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
						AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
TUNER		X	JR 0805	88-108-000-080	C-JUMPER,U	a	b	c
TUNER		X	JR 0806	88-129-000-080	C-JUMPER, 3216	a	b	c
TUNER		X	JR 0807	88-129-000-080	C-JUMPER, 3216	a	b	c
TUNER		X	JR 0821	88-108-000-080	C-JUMPER,U	a	b	c
TUNER		X	JR 0822	88-108-000-080	C-JUMPER,U	a	b	c
TUNER		X	JR 0835	88-108-000-080	C-JUMPER,U	a	b	c
TUNER		X	JR 0887	88-129-000-080	C-JUMPER, 3216	a	b	c
TUNER		X	JR 0901	88-118-000-080	C-JUMPER,S	a	b	c
TUNER		X	JR 0902	88-108-000-080	C-JUMPER,U	a	b	c
TUNER		X	JR 0903	88-108-000-080	C-JUMPER,U	a	b	c
TUNER		X	JR 0904	88-108-000-080	C-JUMPER,U	a	b	c
TUNER		X	JR 0905	88-128-000-080	C-JUMPER, 3216	a	b	c
TUNER		X	JR 0906	88-128-000-080	C-JUMPER, 3216	a	b	c
TUNER		X	JR 0907	88-128-000-080	C-JUMPER, 3216	a	b	c
TUNER		X	JR 0908	88-108-000-080	C-JUMPER,U	a	b	c
TUNER		X	JR 0951	88-108-000-080	C-JUMPER,U	a	b	c
TUNER		X	JR 0952	88-108-000-080	C-JUMPER,U	a	b	c
TUNER		X	JR 0953	88-108-000-080	C-JUMPER,U	a	b	c
TUNER		X	JR 0955	88-108-000-080	C-JUMPER,U	a	b	c
TUNER		X	JR 0991	88-118-000-080	C-JUMPER,S	a	b	c
						AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
TUNER		X	JR 0999	88-129-000-080	C-JUMPER, 3216	a	b	c
TUNER		O	L 0801	87-A50-694-010	COIL,FM-DET 2 (COILS)	a	b	c
TUNER		O	L 0802	87-A91-551-010	FLTR,PCFJZH-450 L(TOK)	a	b	c
TUNER		O	L 0811	87-005-847-080	COIL,2.2UH K CECS	a	b	c
TUNER		O	L 0832	87-005-847-080	COIL,2.2UH K CECS	a	b	c
TUNER		O	L 0901	86-ZA1-612-010	COIL,FM ANT/RF-1-Z	a	b	c
TUNER		O	L 0902	86-ZA1-613-010	COIL,FM ANT/RF-2-Z	a	b	c
TUNER		O	L 0903	87-005-847-080	COIL,2.2UH K CECS	a	b	c
TUNER		O	L 0904	86-ZA1-612-010	COIL,FM ANT/RF-1-Z	a	b	c
TUNER		O	L 0905	86-ZA1-613-010	COIL,FM ANT/RF-2-Z	a	b	c
TUNER		O	L 0906	87-005-847-080	COIL,2.2UH K CECS	a	b	c
TUNER		O	L 0907	86-ZA1-614-010	COIL,FM OSC-Z	a	b	c
TUNER		O	L 0908	88-ZA1-624-010	COIL,FM IFT 7-6.2 (COILS)	a	b	c
TUNER		O	L 0952	87-A50-752-010	COIL,MW ANT(2B)	a	b	c
TUNER		O	L 0953	87-A50-753-010	COIL,MW OSC(2B)	a	b	c
TUNER		S	Q 0835	89-327-143-080	C-TR,2SC27140	a	b	c
TUNER		S	Q 0836	87-A30-677-040	C-TR,SRA2207S	a	b	c
TUNER		S	Q 0901	89-503-602-080	C-FET,2SK360E	a	b	c
TUNER		S	Q 0902	89-327-143-080	C-TR,2SC27140	a	b	c
TUNER		S	Q 0903	89-327-143-080	C-TR,2SC27140	a	b	c
						AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
TUNER		S	Q 0904	89-327-143-080	C-TR,2SC27140	a	b	c
TUNER		S	Q 0905	89-327-143-080	C-TR,2SC27140	a	b	c
TUNER		S	Q 0981	87-A30-494-080	TR,2SA1980G	a	b	c
TUNER		S	Q 0982	87-A30-540-040	C-TR,2SC5343SF/S(G)	a	b	c
TUNER		S	Q 0983	87-A30-540-040	C-TR,2SC5343SF/S(G)	a	b	c
TUNER		X	R 0789	88-108-333-080	C-RES,U 33K-1/16W J	a	b	c
TUNER		O	R 0790	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c
TUNER		O	R 0791	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
TUNER		X	R 0793	88-108-221-080	C-RES,U 220-1/16W J	a	b	c
TUNER		X	R 0795	88-108-000-080	C-JUMPER,U	a	b	c
TUNER		O	R 0801	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
TUNER		O	R 0802	88-108-223-080	C-RES,U 22K-1/16W J	a	b	c
TUNER		X	R 0803	88-108-183-080	C-RES,U 18K-1/16W J	a	b	c
TUNER		X	R 0804	88-108-000-080	C-JUMPER,U	a	b	c
TUNER		O	R 0805	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b	c
TUNER		X	R 0806	88-108-682-080	C-RES,U 6.8K-1/16W J	a	b	c
TUNER		X	R 0809	88-108-000-080	C-JUMPER,U	a	b	c
TUNER		X	R 0810	88-108-000-080	C-JUMPER,U	a	b	c
TUNER		O	R 0813	88-108-224-080	C-RES,U 220K-1/16W J	a	b	c
TUNER		X	R 0814	88-108-105-080	C-RES,U 1M-1/16W J	a	b	c
						AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
TUNER		X	R 0815	88-121-682-080	RES,6.8K-1/8W J	a	b	c
TUNER		O	R 0818	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
TUNER		X	R 0823	88-108-393-080	C-RES,U 39K-1/16W J	a	b	c
TUNER		O	R 0826	88-108-223-080	C-RES,U 22K-1/16W J	a	b	c
TUNER		X	R 0832	88-108-391-080	C-RES,U 390-1/16W J	a	b	c
TUNER		X	R 0840	88-108-221-080	C-RES,U 220-1/16W J	a	b	c
TUNER		O	R 0850	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
TUNER		O	R 0853	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
TUNER		X	R 0854	88-108-331-080	C-RES,U 330-1/16W J	a	b	c
TUNER		X	R 0855	88-108-183-080	C-RES,U 18K-1/16W J	a	b	c
TUNER		O	R 0856	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
TUNER		X	R 0857	88-108-181-080	C-RES,U 180-1/16W J	a	b	c
TUNER		X	R 0858	88-108-271-080	C-RES,U 270-1/16W J	a	b	c
TUNER		X	R 0860	88-121-101-080	RES,100-1/8W J	a	b	c
TUNER		X	R 0890	88-108-474-080	C-RES,U 470K-1/16W J	a	b	c
TUNER		X	R 0901	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c
TUNER		X	R 0902	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c
TUNER		X	R 0903	88-108-221-080	C-RES,U 220-1/16W J	a	b	c
TUNER		O	R 0904	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
TUNER		X	R 0905	88-108-221-080	C-RES,U 220-1/16W J	a	b	c

ELECTRICAL PARTS LIST - 23/24

! =  SAFETY PARTS

C = Components marked

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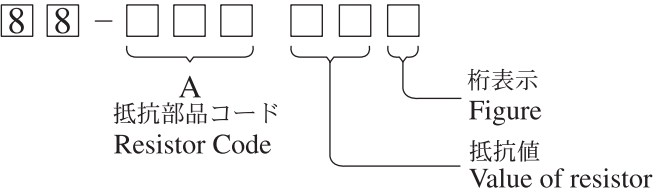
UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
TUNER	X R	0906	88-108-564-080	C-RES,U 560K-1/16W J	a	b	c
TUNER	X R	0908	88-108-271-080	C-RES,U 270-1/16W J	a	b	c
TUNER	X R	0909	88-108-181-080	C-RES,U 180-1/16W J	a	b	c
TUNER	X R	0910	88-108-334-080	C-RES,U 330K-1/16W J	a	b	c
TUNER	X R	0911	88-108-181-080	C-RES,U 180-1/16W J	a	b	c
TUNER	X R	0912	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c
TUNER	X R	0913	88-108-152-080	C-RES,U 1.5K-1/16W J	a	b	c
TUNER	X R	0914	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b	c
TUNER	X R	0915	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c
TUNER	X R	0916	88-108-470-080	C-RES,U 47-1/16W J	a	b	c
TUNER	X R	0945	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c
TUNER	X R	0962	88-121-221-080	RES,220-1/8W J	a	b	c
TUNER	X R	0963	88-108-330-080	C-RES,U 33-1/16W J	a	b	c
TUNER	O R	0974	88-108-101-080	C-RES,U 100-1/16W J	a	b	c
TUNER	O R	0975	88-108-562-080	C-RES,U 5.6K-1/16W J	a	b	c
TUNER	O R	0976	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
TUNER	O R	0977	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
TUNER	X R	0978	88-108-681-080	C-RES,U 680-1/16W J	a	b	c
TUNER	X R	0980	88-108-684-080	C-RES,U 680K-1/16W J	a	b	c
TUNER	X R	0981	88-121-471-080	RES,470-1/8W J	a	b	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
TUNER	O R	0982	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
TUNER	O R	0983	88-108-562-080	C-RES,U 5.6K-1/16W J	a	b	c
TUNER	O R	0984	88-108-562-080	C-RES,U 5.6K-1/16W J	a	b	c
TUNER	X R	0985	88-121-471-080	RES,470-1/8W J	a	b	c
TUNER	X R	0986	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b	c
TUNER	X R	0988	88-108-000-080	C-JUMPER,U	a	b	c
TUNER	X R	0989	88-121-102-080	RES,1K-1/8W J	a	b	c
TUNER	O R	0990	88-108-563-080	C-RES,U 56K-1/16W J	a	b	c
TUNER	O R	0992	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
TUNER	O R	0994	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
TUNER	O R	0996	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
TUNER	X R	0997	88-108-154-080	C-RES,U 150K-1/16W J	a	b	c
TUNER	O R	0998	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c
TUNER	O R	0999	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c
TUNER	X SH	0901	8C-ZA3-604-010	SHLD-CASE,CZA-3	a	b	c
TUNER	X SH	0902	8C-ZA3-629-010	SHLD-CASE,CZA3E P C	a	b	.
TUNER	X SH	0902	8C-ZA3-619-010	SHLD-CASE,CZA-3 EZ P	.	.	c
TUNER	O X	0992	87-A70-306-010	VIB,XTAL 4.500MHZ CSA-309ST	a	b	c

- Regarding connectors, they are not stocked as they are not the initial order items.
The connectors are available after they are supplied from connector manufacturers upon the order is received.

○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／Dimensions (mm)				抵抗コード : A Resistor Code : A
				外形／Form	L	W	t	
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
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 - 1/1



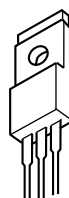
E C B

2SA1980G
2SC5343Y



E C B

2SA1145Y
2SC2705Y
2SC5343G



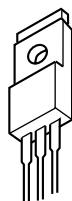
B C E

FN1016
FP1016



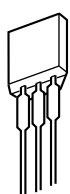
B C E

2SA2057Q



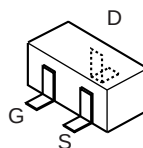
G D S

2SK3053

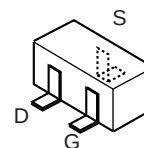


E C B

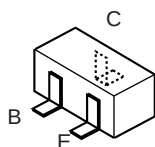
DTA124ES



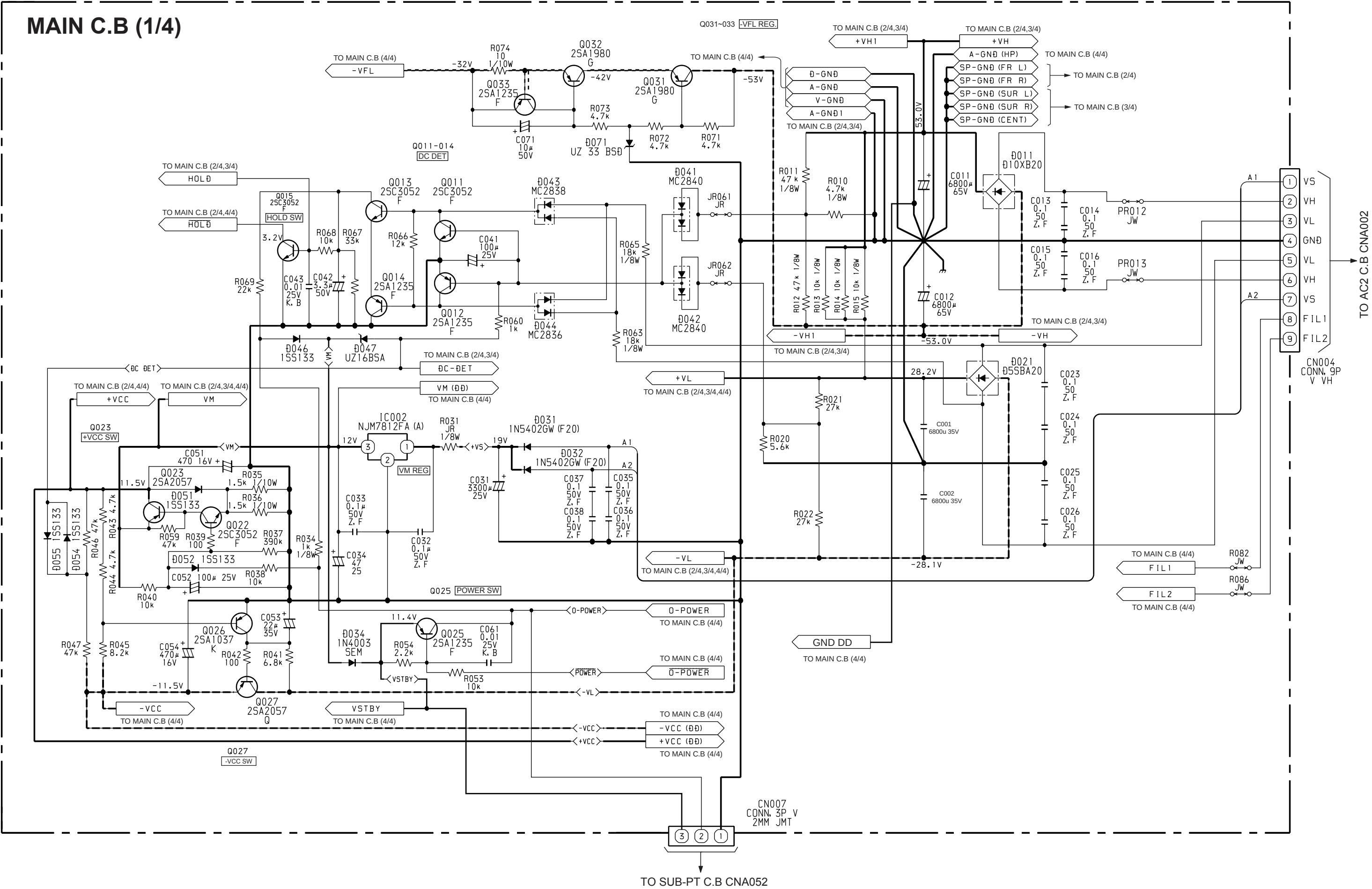
2SK2158

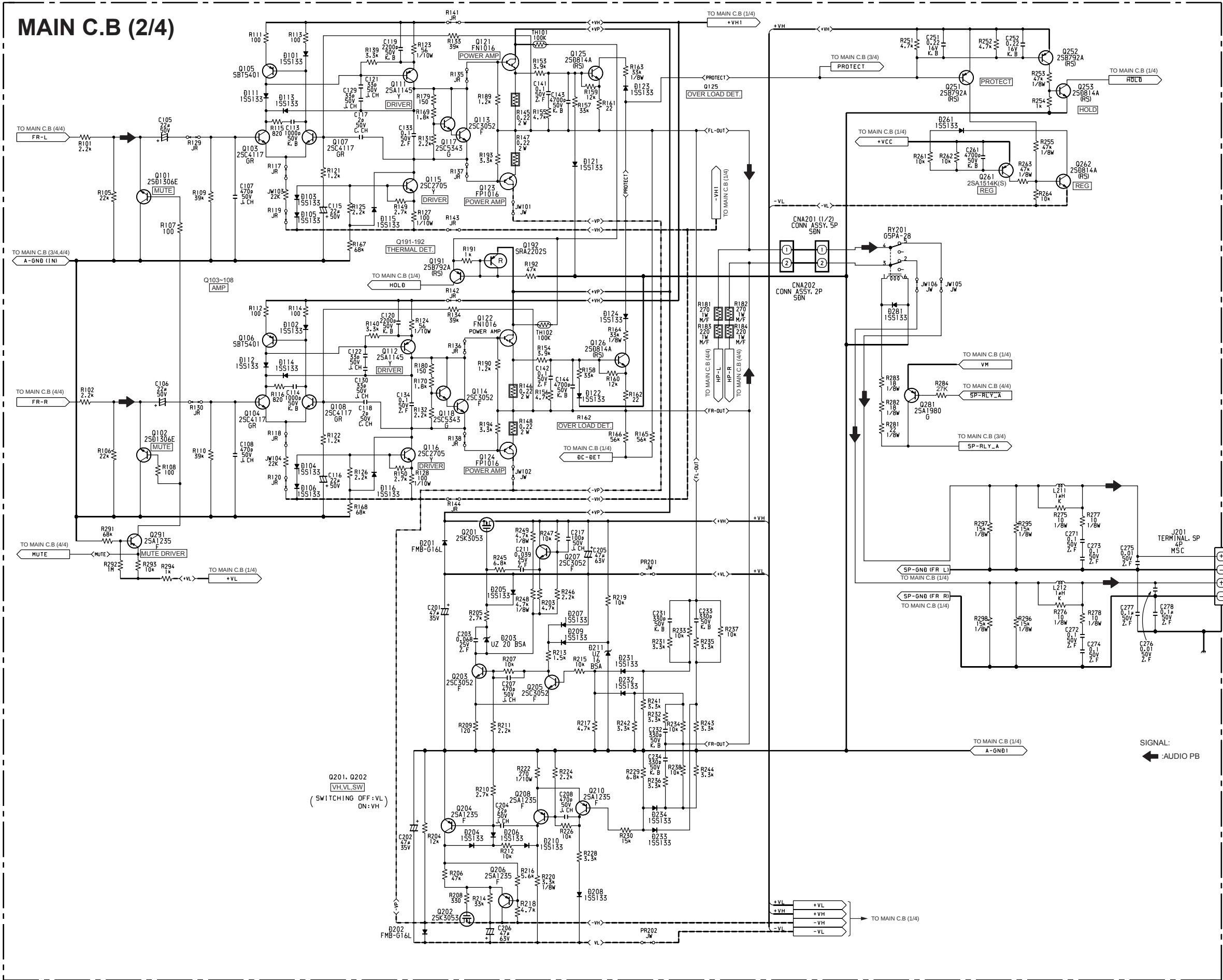


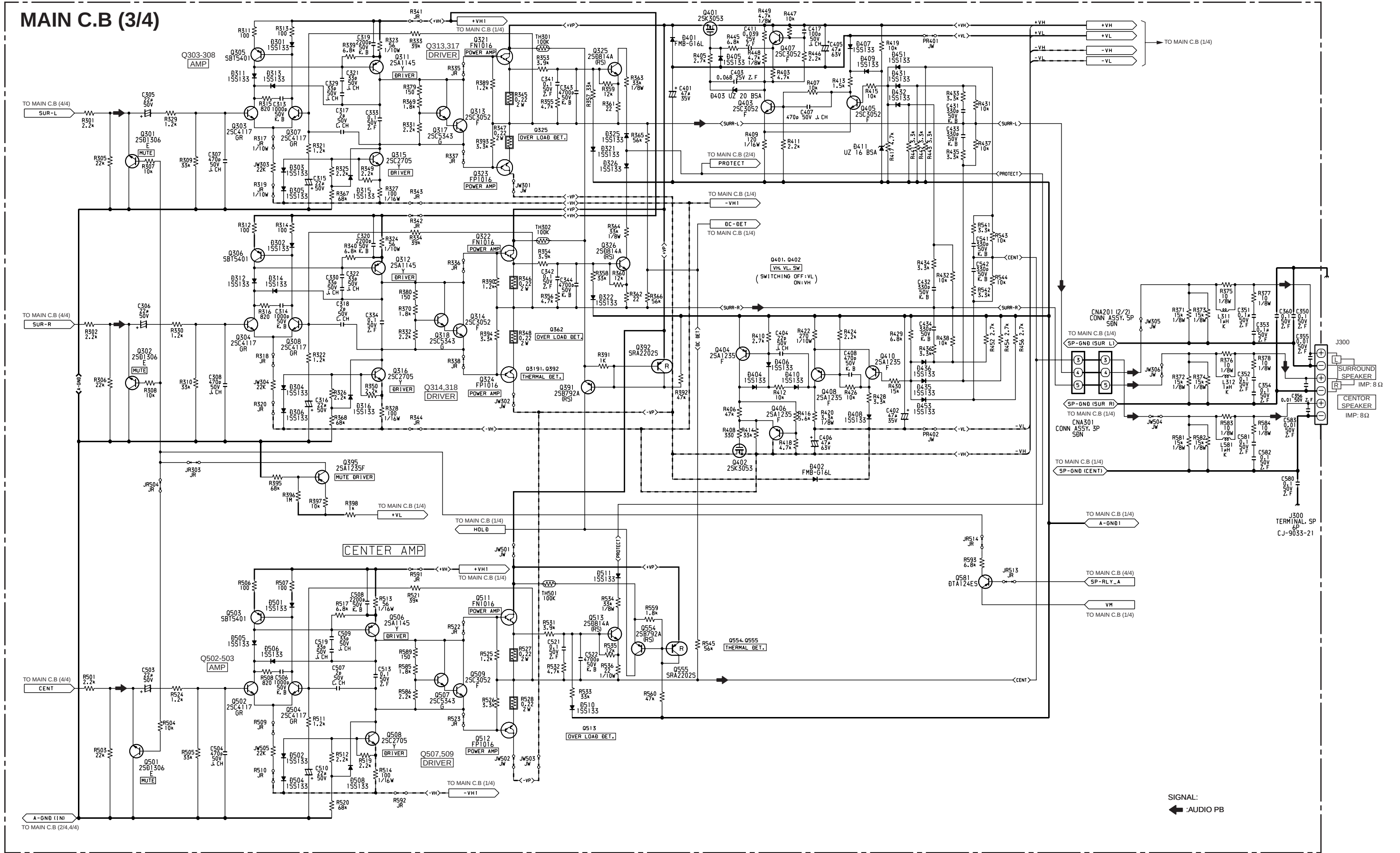
2SK360E

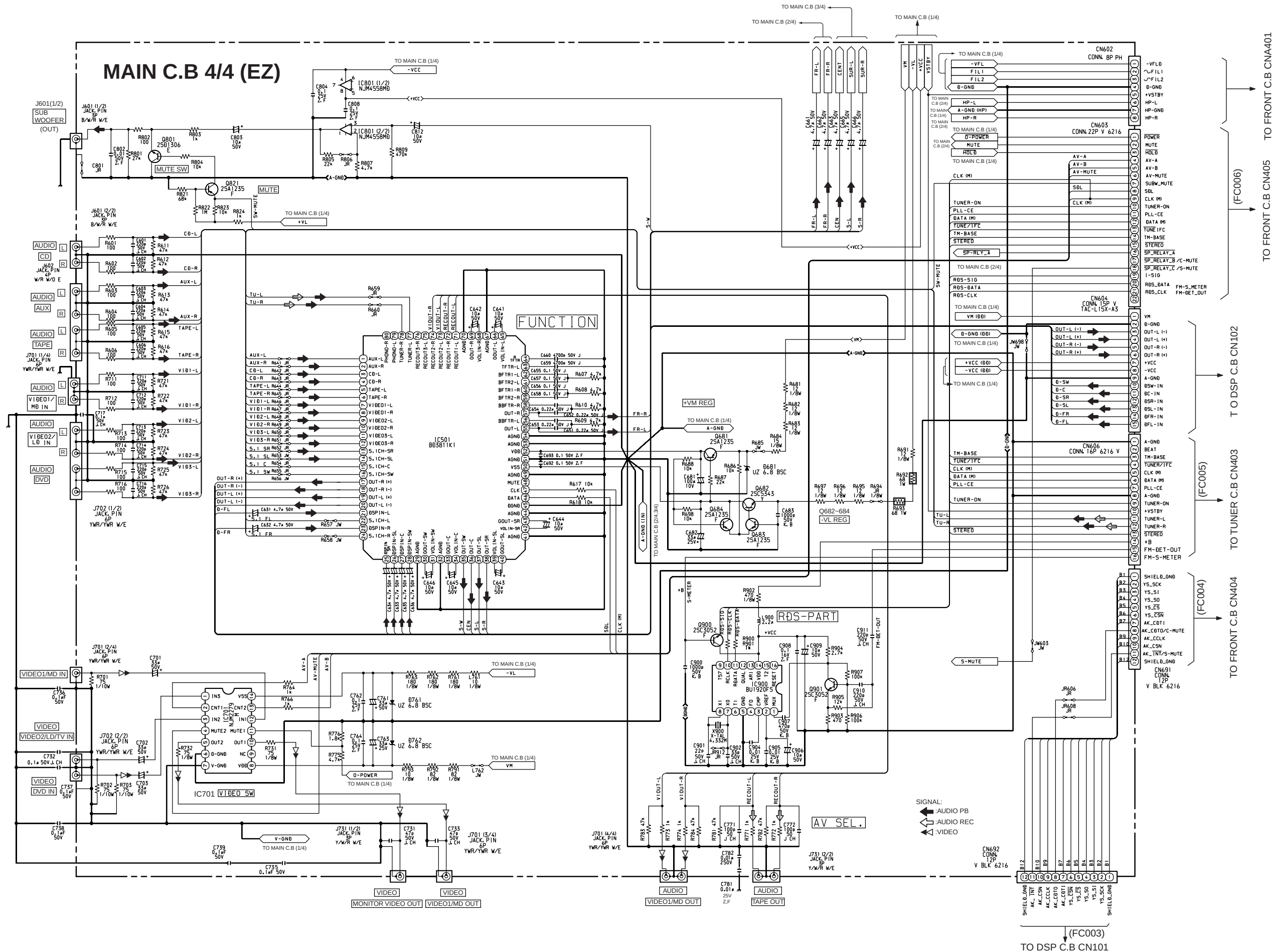


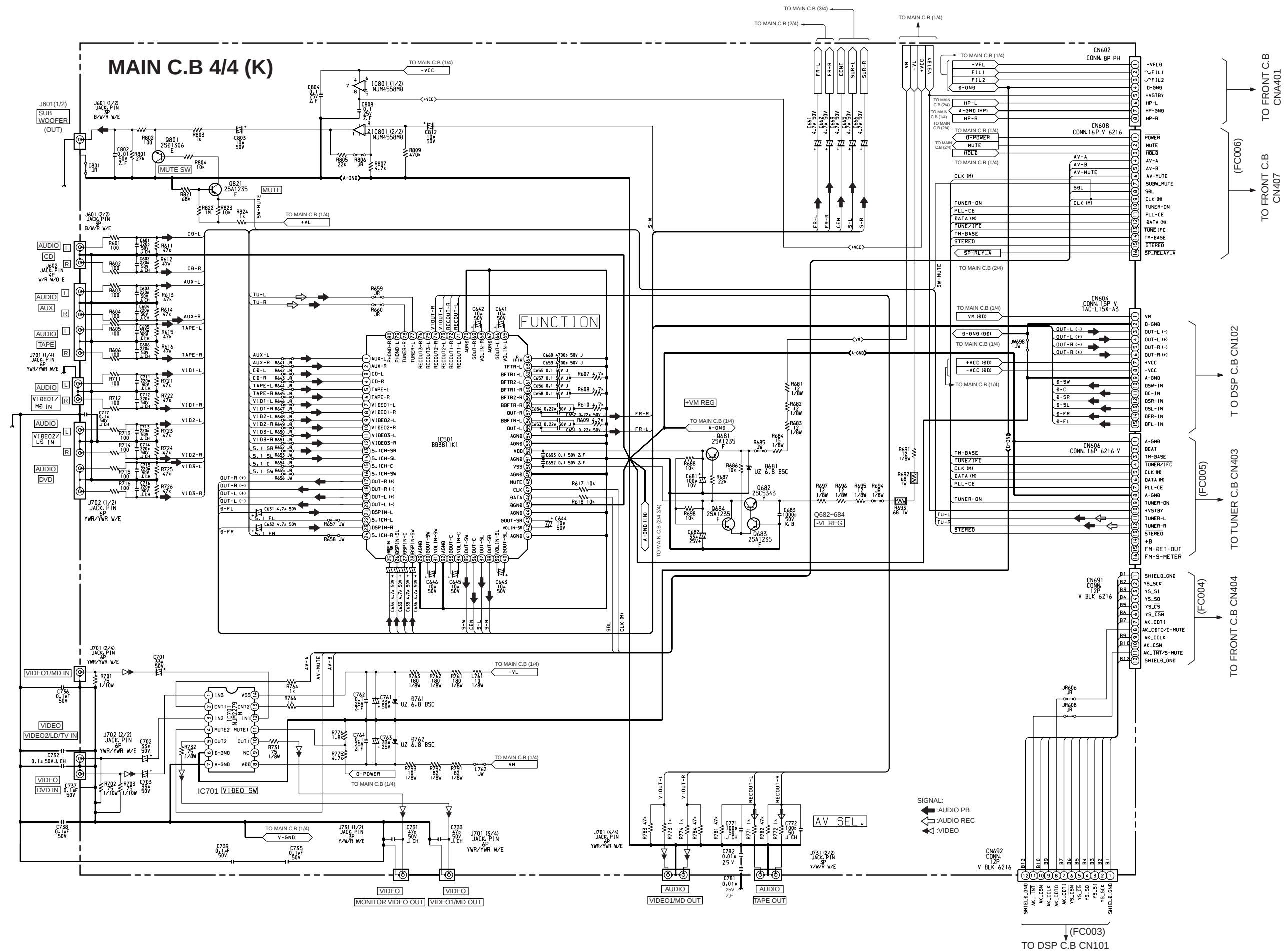
2SA1514K(S)	2SD1306E
2SA1235F	2SD814A
2SB792A(RS)	DTC114EKA
2SC27140	DTC123JKA
2SC3052F	RT1N144C
2SC4117GR	SBT5401
2SC5343SF/S	SRA2202S
2SA1037AK(Q)	SRA2207S



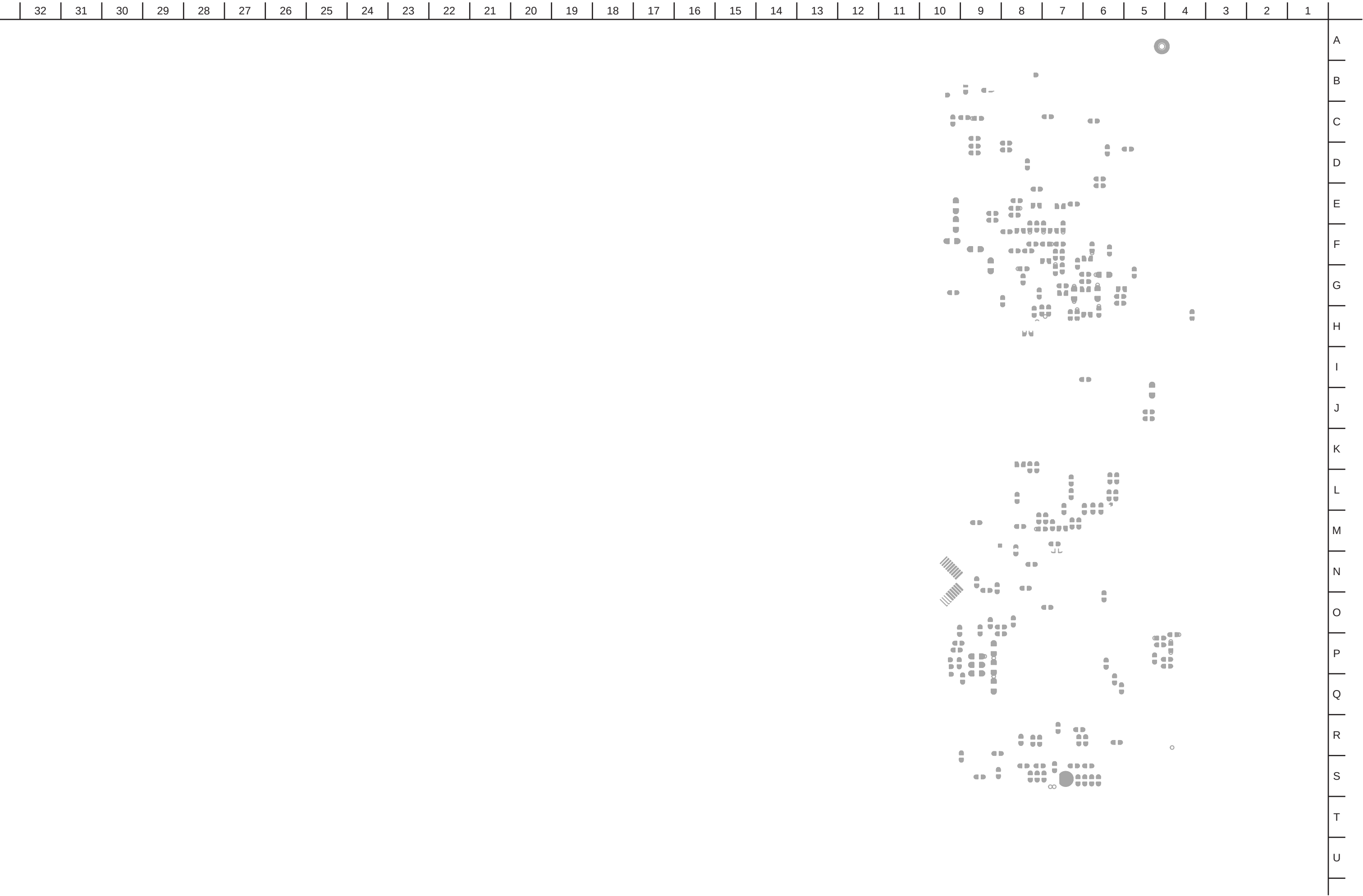


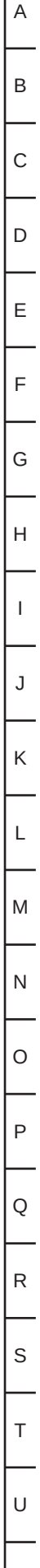


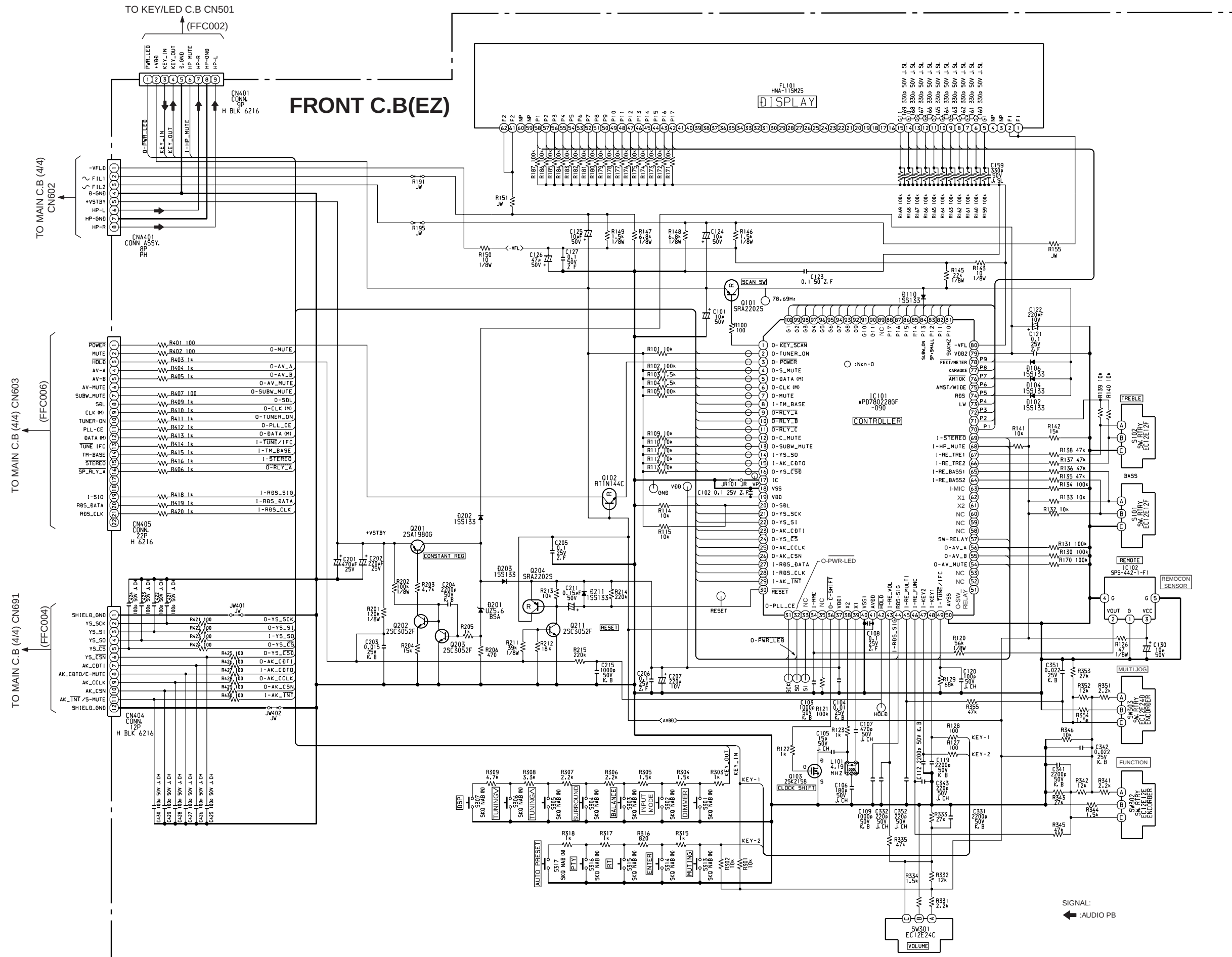


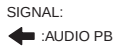


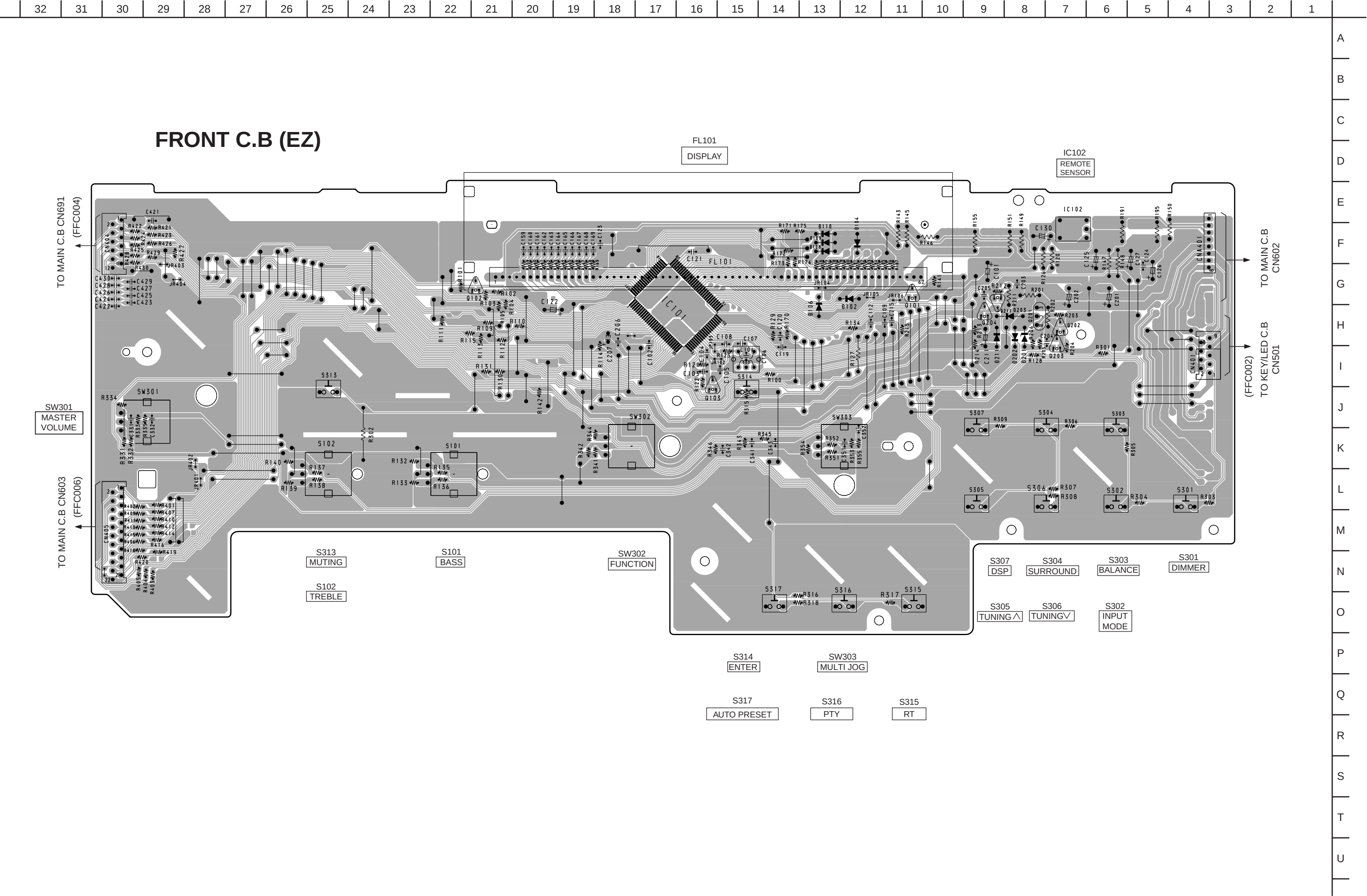
WIRING - 1/6 (MAIN) <EZ>

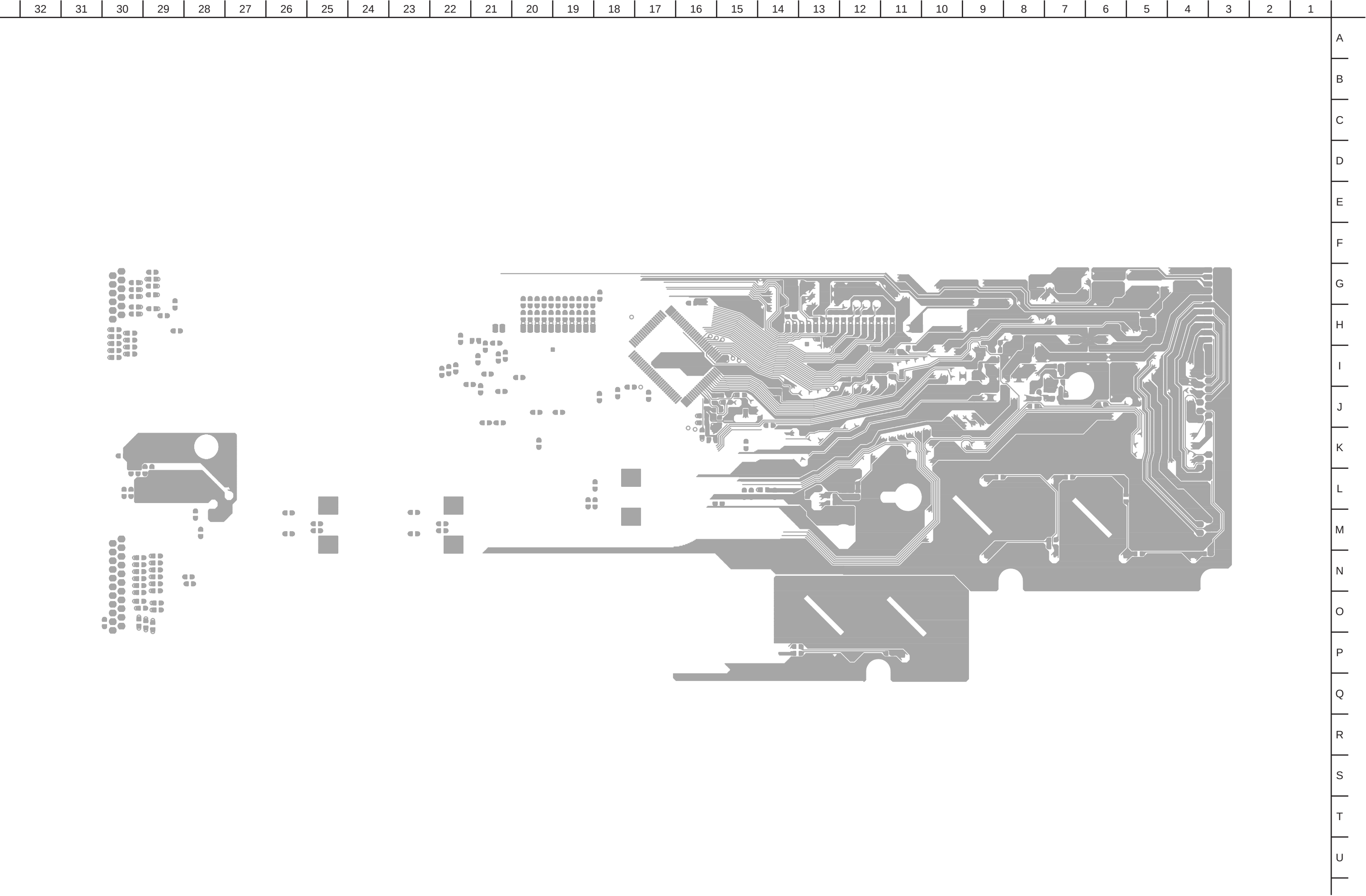


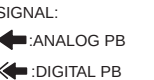


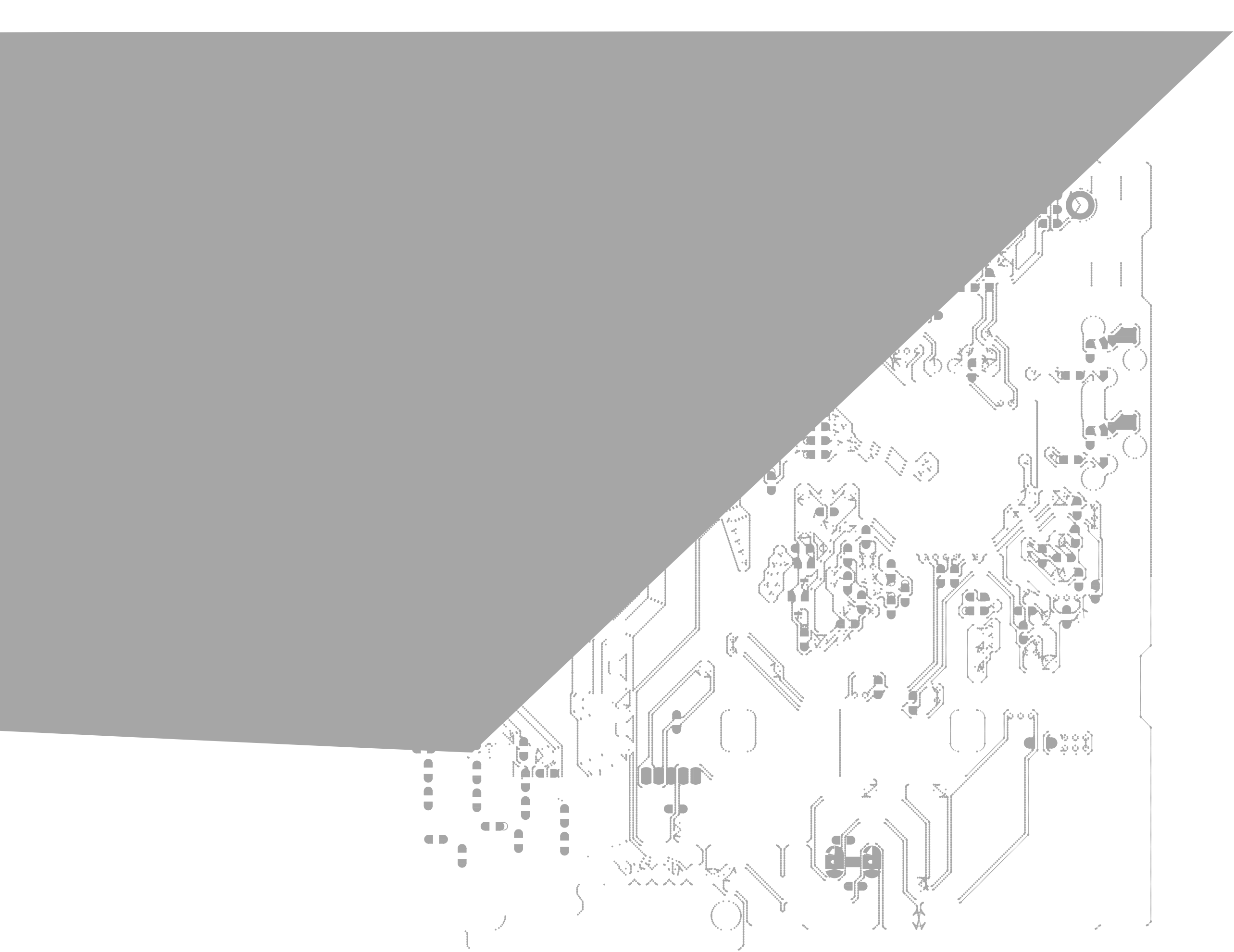


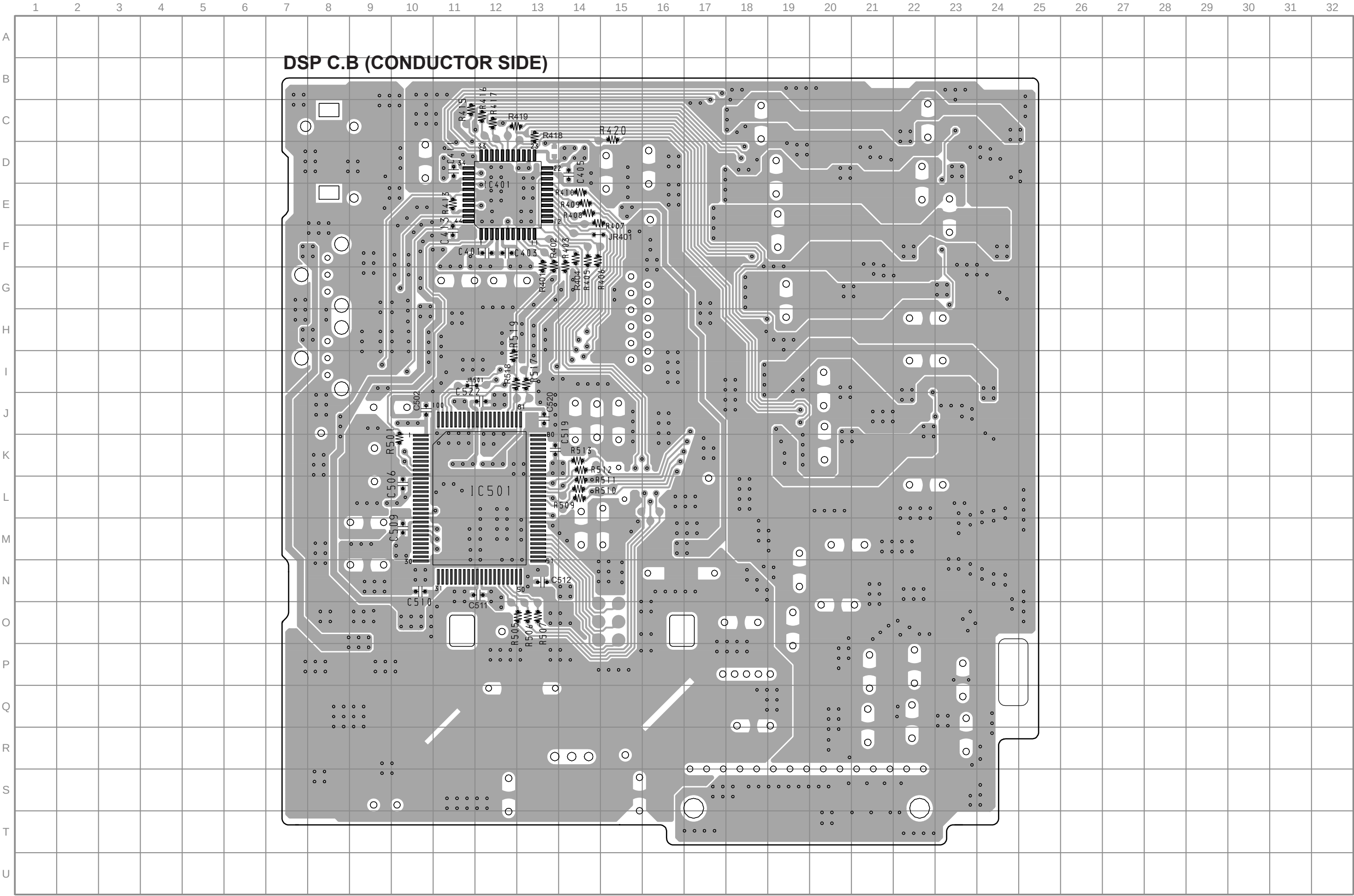










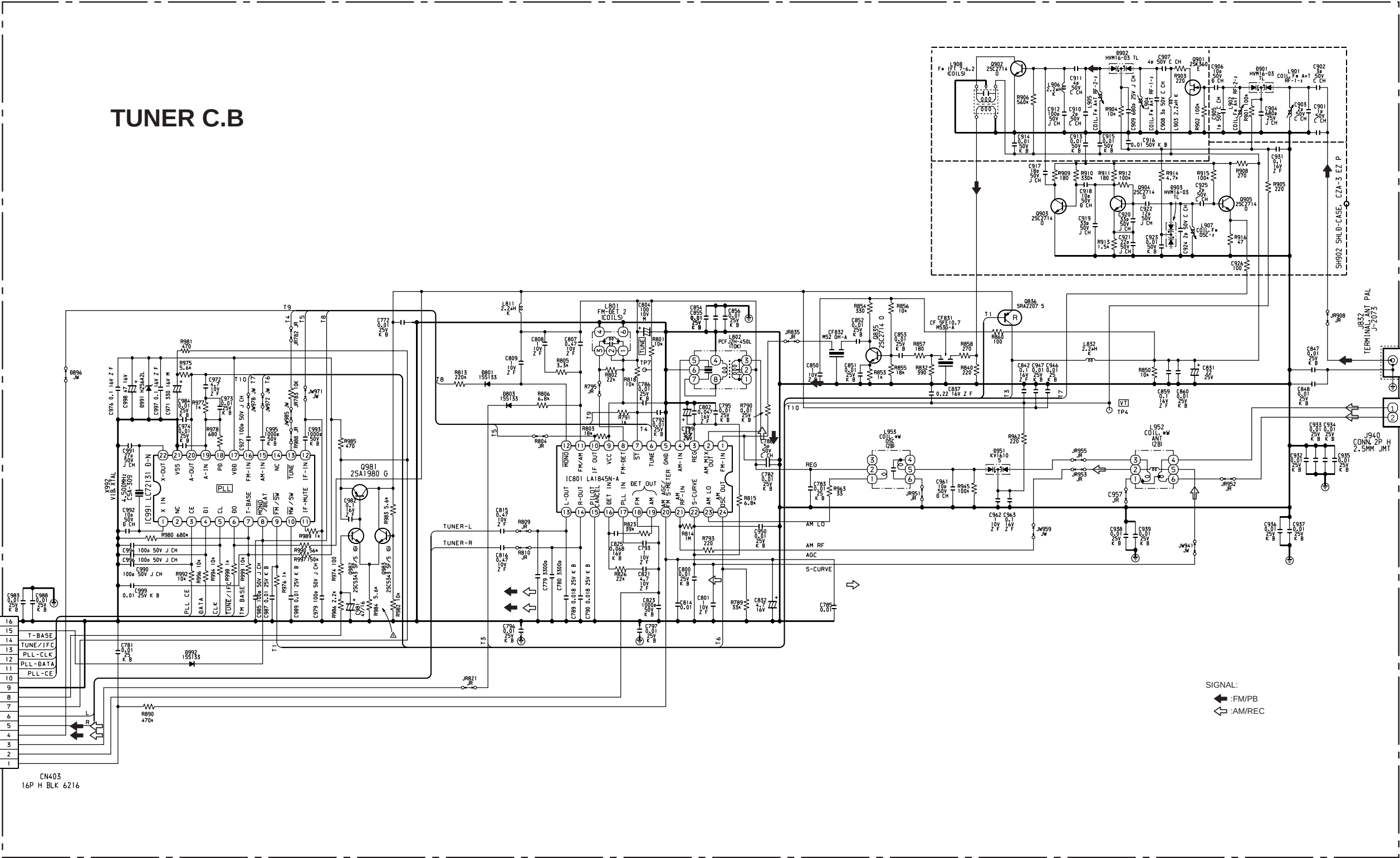


TO MAIN C.B CN605

TUNER C.B

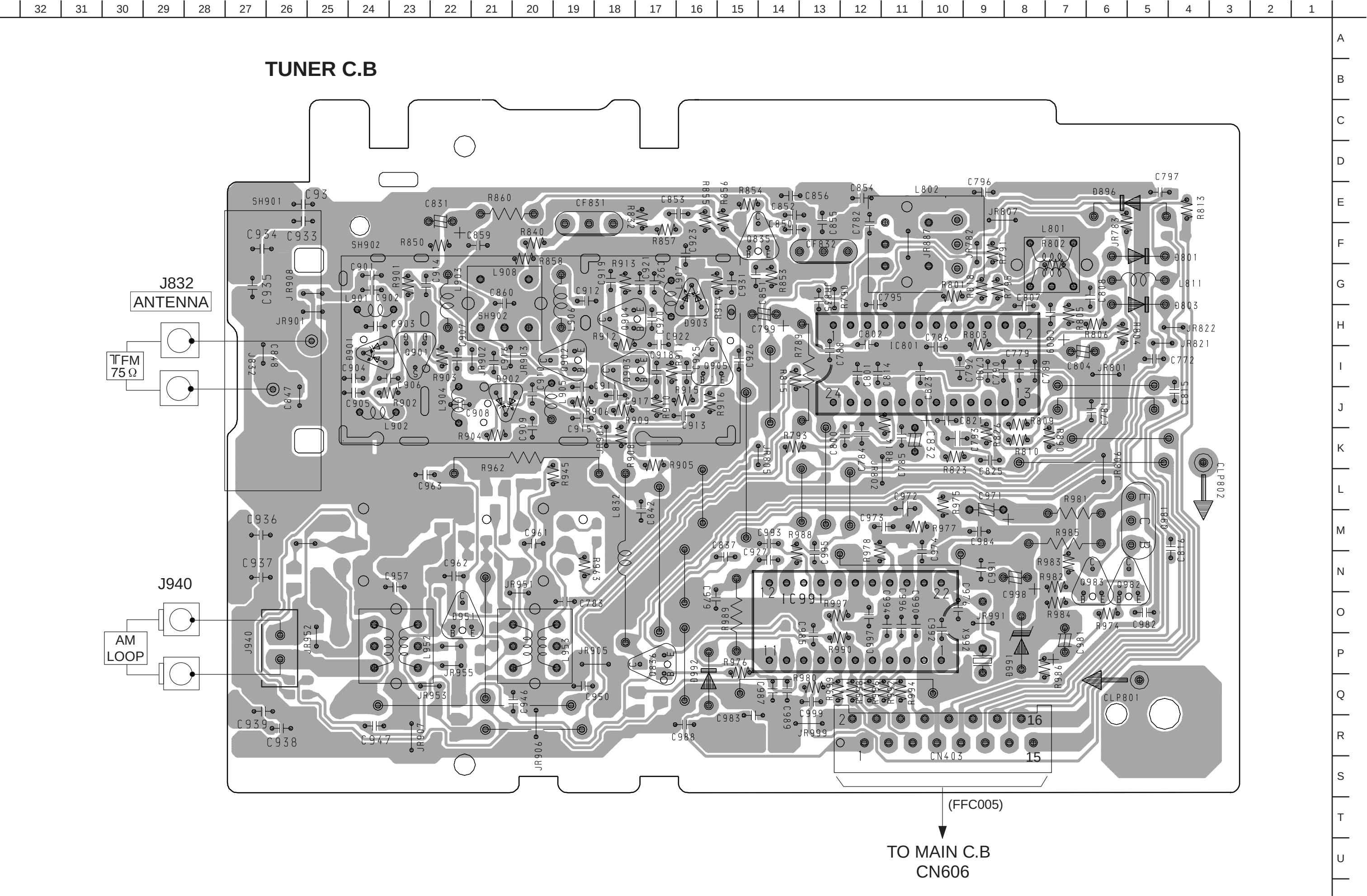
GND	16
BEAT	15
TM-BASE	14
TUNE/IFC	13
PLL-CLK	12
PLL-DATA	11
PLL-CE	10
GND	9
TUNER-ON	8
VM	7
TUNER-L	6
TUNER-R	5
STEREO	4
+B	3
FM-DET-OUT	2
FM-S-METER	1

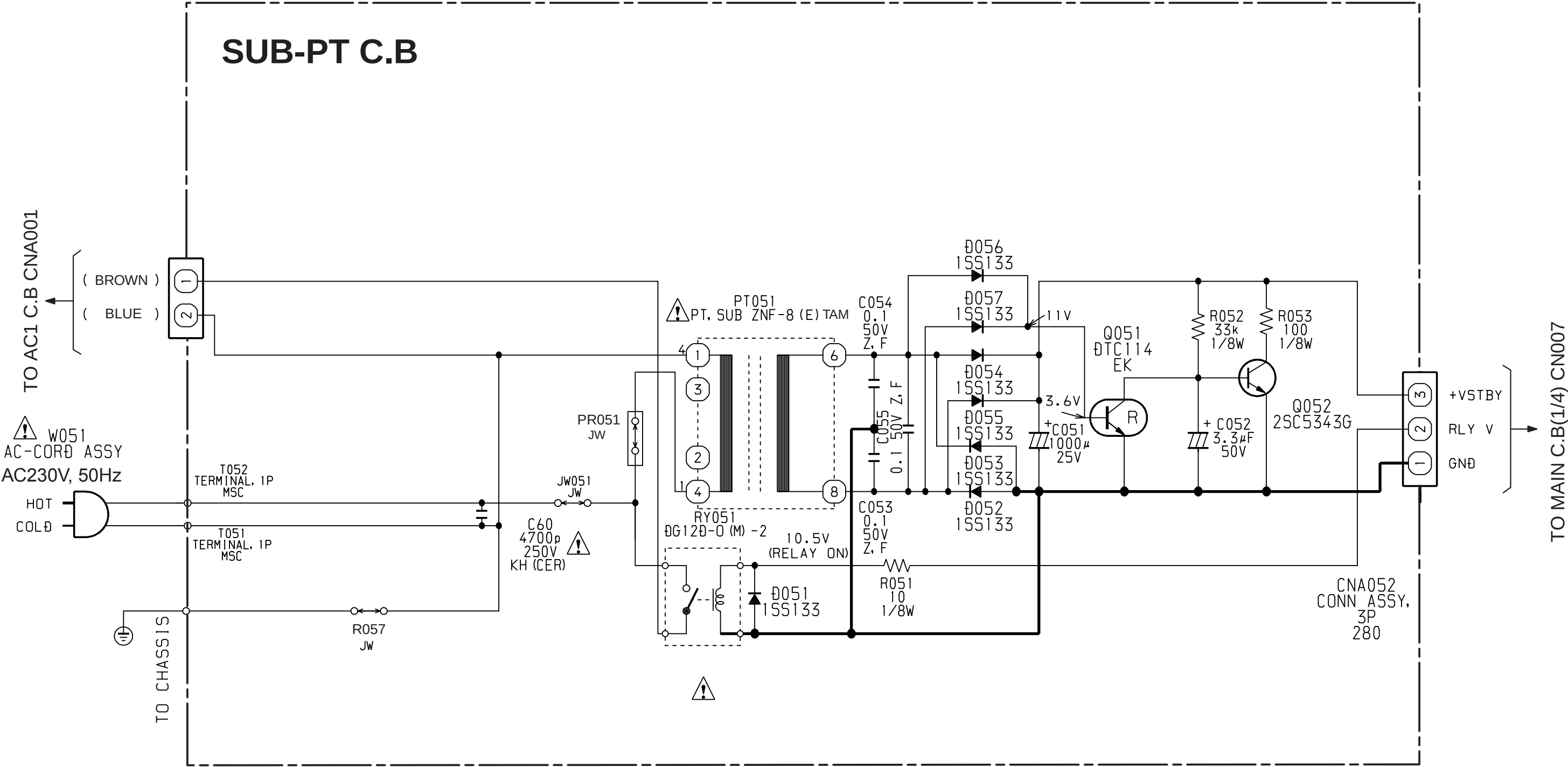
CN403
16P H BLK 6216

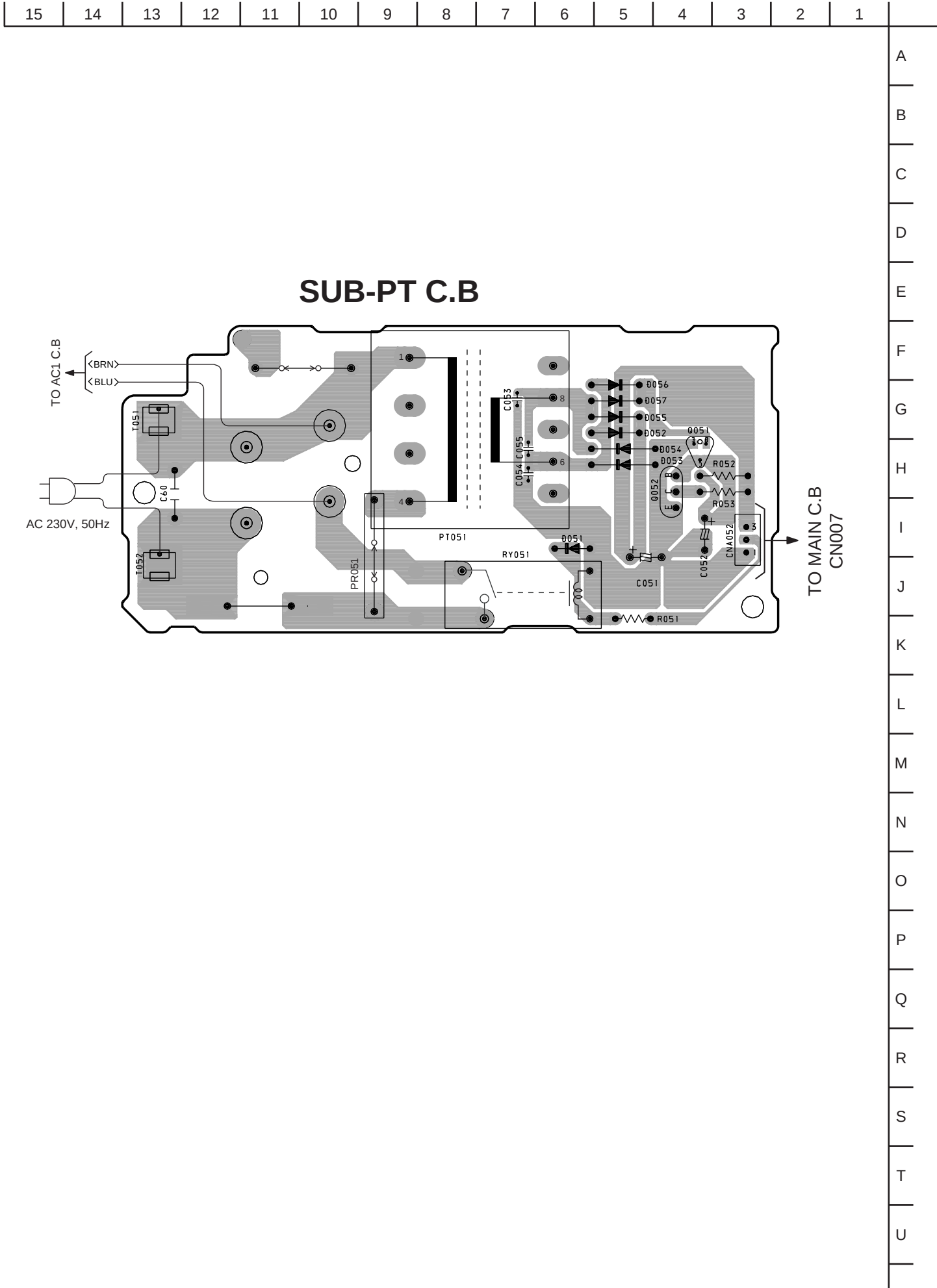


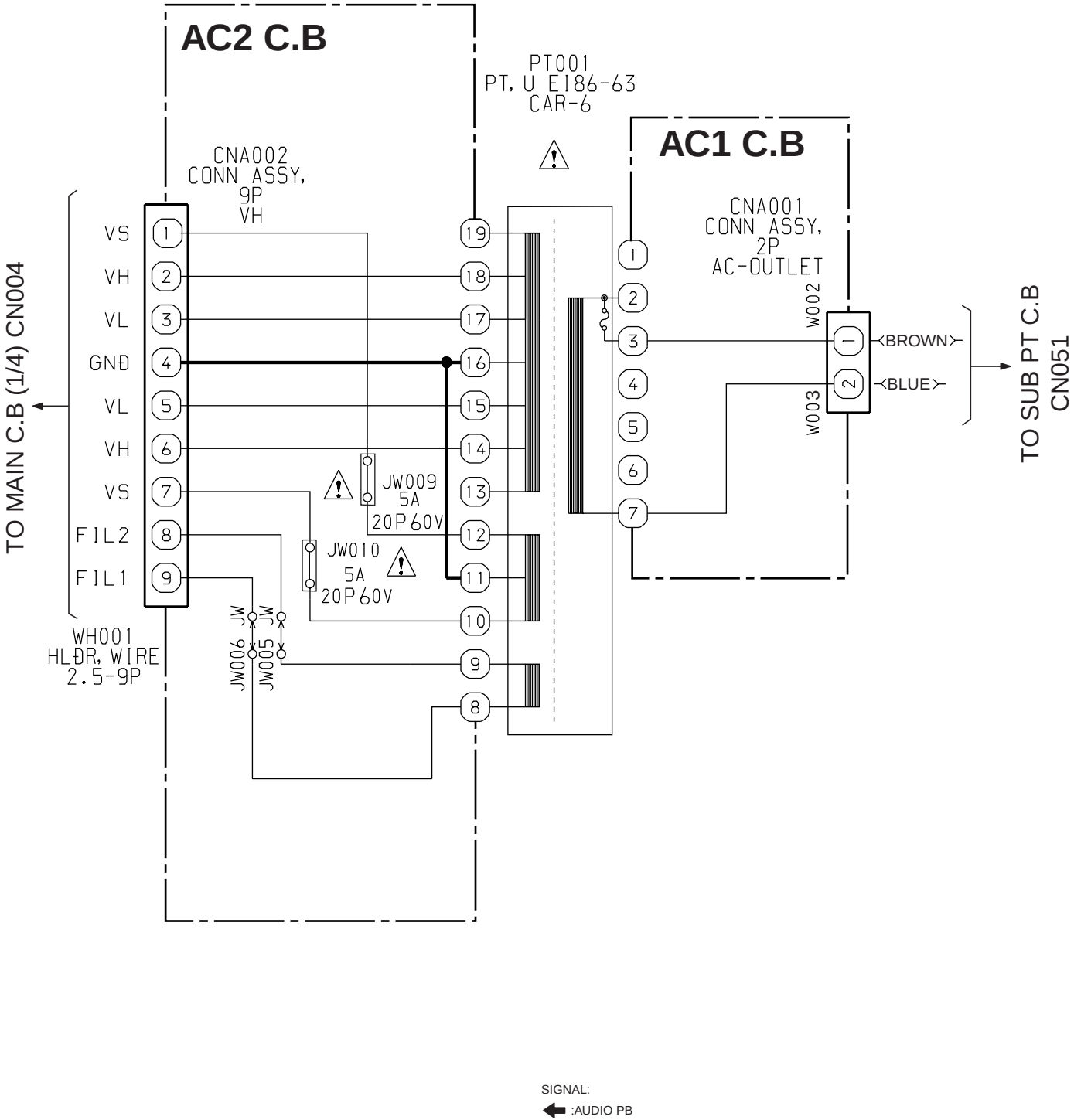
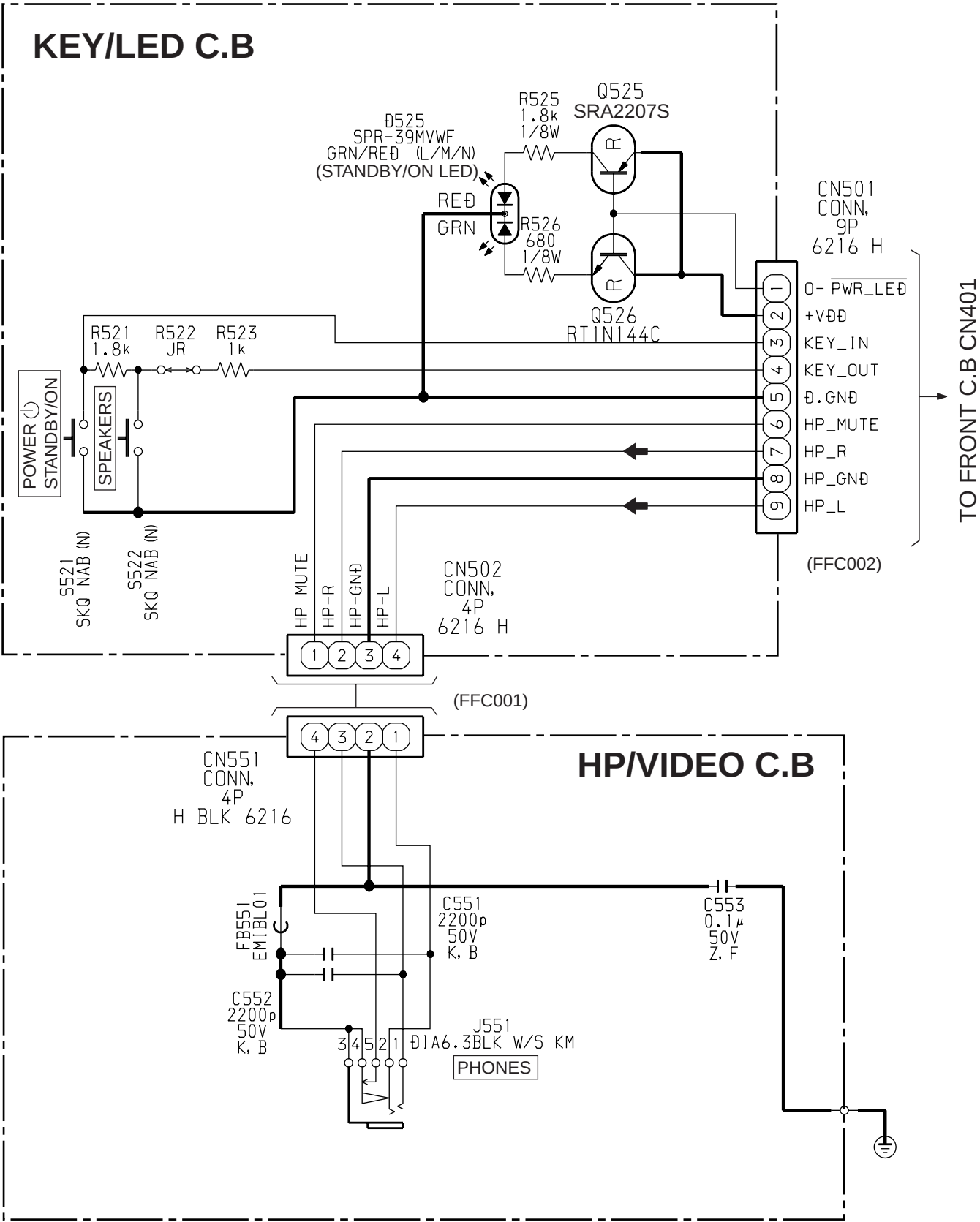
SH901 SHLD-CASE, CZA-3

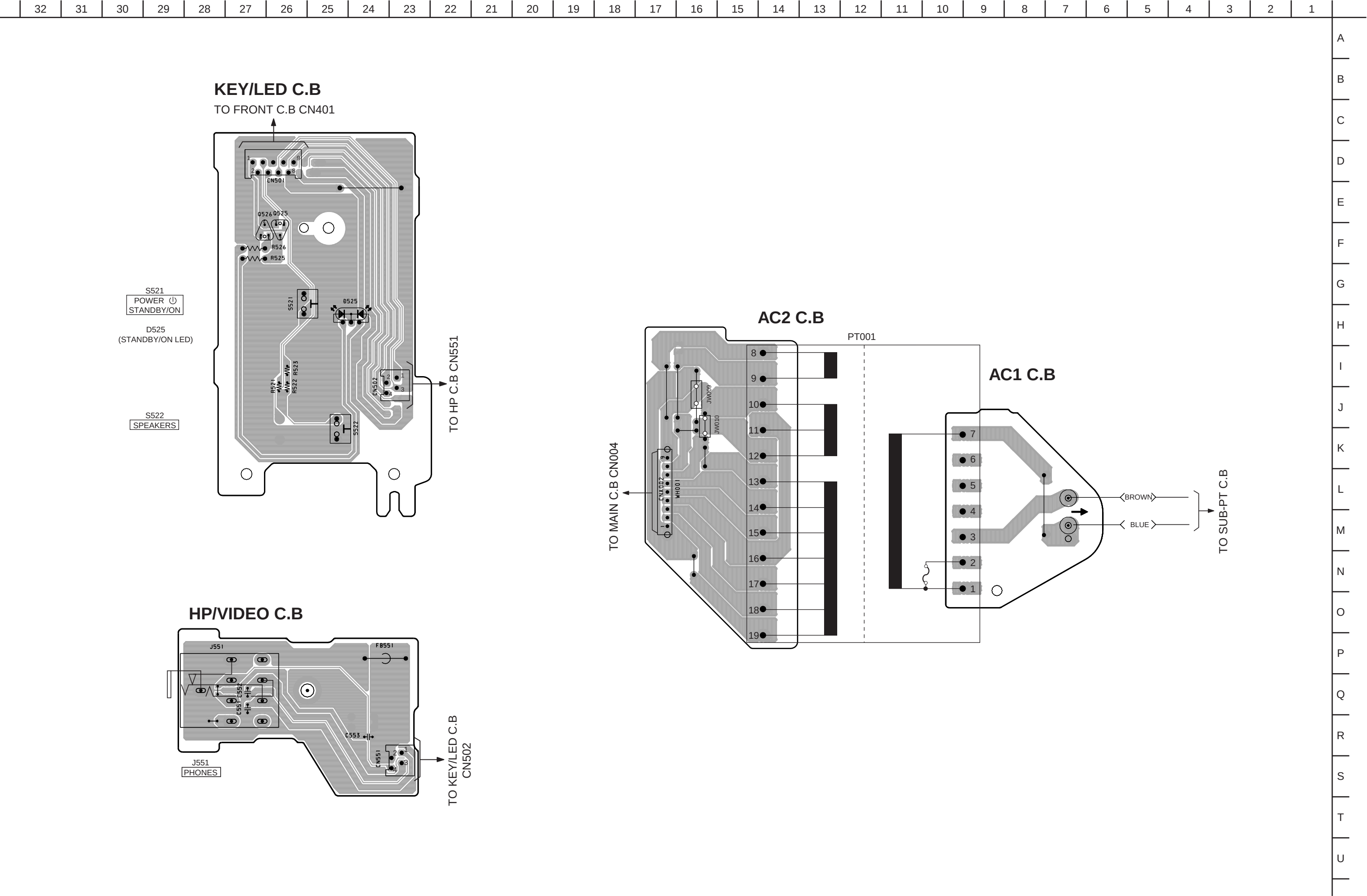
J832
7F FM
75Ω
ANTENNA
AM LOOP





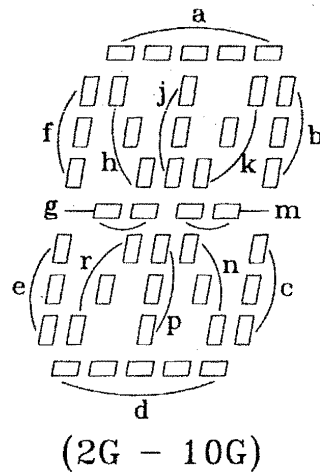
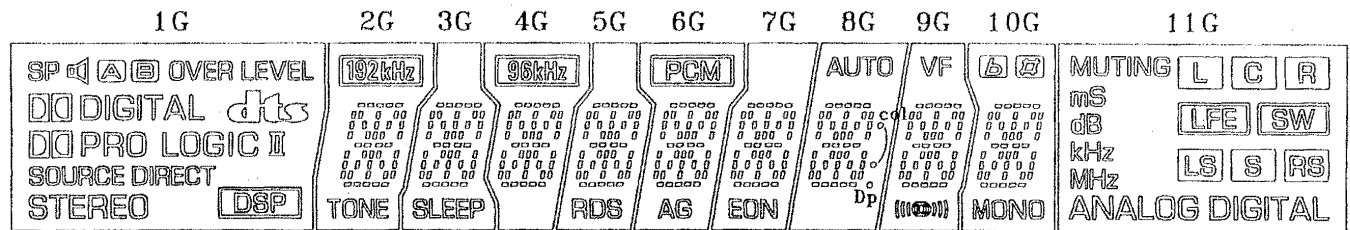






LCD DIAGRAM -1/1 (HNA-11SM25 CAR-6)

GRID ASSIGNMENT

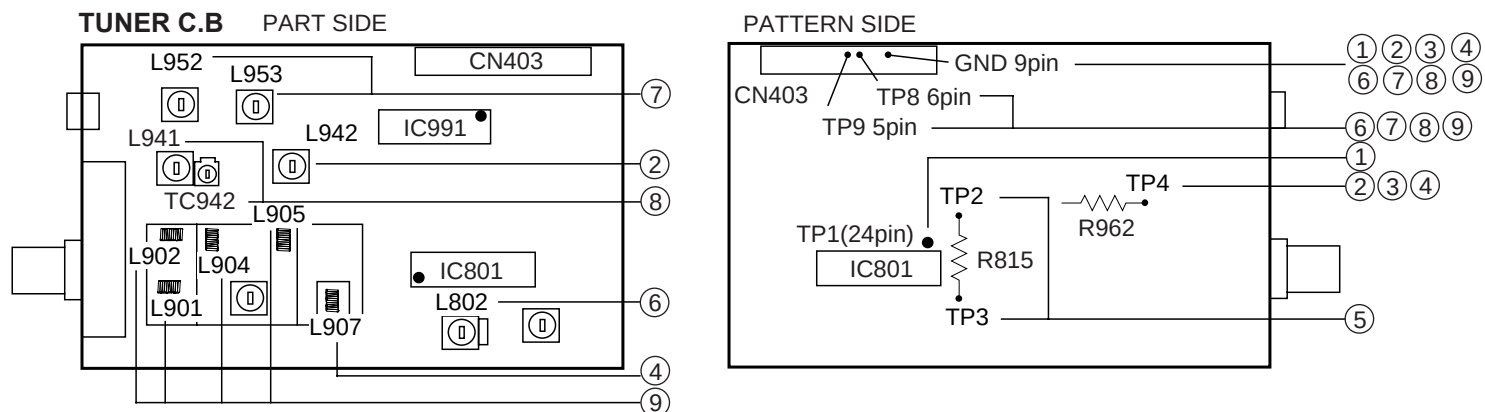


ANODE CONNECTION

	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G
P1	SP	192kHz	—	96kHz	—	PCM	—	AUTO	VF	b	L
P2	A	—	—	—	—	—	—	col	—	a	C
P3	Q	d	d	d	d	d	d	d	d	d	R
P4	OVER LEVEL	n	n	n	n	n	n	n	n	n	SW
P5	dt	p	p	p	p	p	p	p	p	p	LFE
P6	DIGITAL	r	r	r	r	r	r	r	r	r	LS
P7	PRO LOGIC II	e	e	e	e	e	e	e	e	e	S
P8	I	c	c	c	c	c	c	c	c	c	RS
P9	SOURCE DIRECT	g	g	g	g	g	g	g	g	g	DIGITAL
P10	STEREO	m	m	m	m	m	m	m	m	m	ANALOG
P11	DSP	f	f	f	f	f	f	f	f	f	MHz
P12	—	b	b	b	b	b	b	b	b	b	kHz
P13	—	k	k	k	k	k	k	k	k	k	dB
P14	—	j	j	j	j	j	j	j	j	j	mS
P15	—	h	h	h	h	h	h	h	h	h	MUTING
P16	—	a	a	a	a	a	a	a	a	a	—
P17	—	TONE	SLEEP	—	RDS	AG	EON	Dp	MONO	—	—

ELECTRICAL ADJUSTMENT -1/6

TUNER ADJUSTMENT



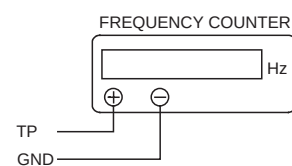
1. CLOCK CHECK

Requirements:

Measuring equipment: Frequency counter

Test point: TP1 (CLOCK), GND

- (1) Adjust the reception frequency of the main unit to 1,620KHz.
- (2) Check that the test point frequency is $2,160 \pm 0.045\text{KHz}$.



2. VT ADJUSTMENT (LW)

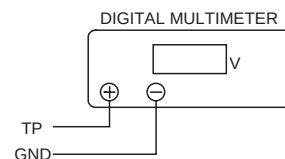
Requirements:

Measuring equipment: Digital multi-meter

Test point: TP4 (R962), GND

Adjustment point: L942

- (1) Adjust the reception frequency of the main unit to 144KHz.
- (2) Adjust L942 until the test point voltage (VT) is $1.3\text{V} \pm 0.05\text{V}$.



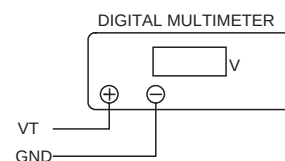
3. VT CHECK (MW)

Requirements:

Measuring equipment: Digital multi-meter

Test point: TP4 (R962), GND

- (1) Adjust the reception frequency of the main unit to 531KHz.
- (2) Check that the test point (VT) voltage is about 0.5V.
- (3) Adjust the reception frequency of the main unit to 1602KHz.
- (4) Check that the test point (VT) voltage is below 8.0V.



4. VT ADJUSTMENT & CHECK (FM)

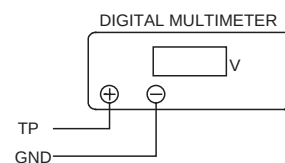
Requirements:

Measuring equipment: Digital multi-meter

Test point: TP4 (R962), GND

Adjustment point: L907

- (1) Adjust the reception frequency of the main unit to 108.0MHz.
- (2) Adjust L907 until the test point voltage (VT) is $7.0\text{V} \pm 0.1\text{V}$.
- (3) Adjust the reception frequency of the main unit to 87.5MHz.
- (4) Check that the test point (VT) voltage is about 0.5V.



ELECTRICAL ADJUSTMENT -2/6

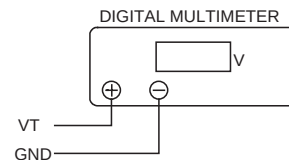
5. DC BALANCE CHECK

Requirement

Measuring equipment: Digital multi-meter

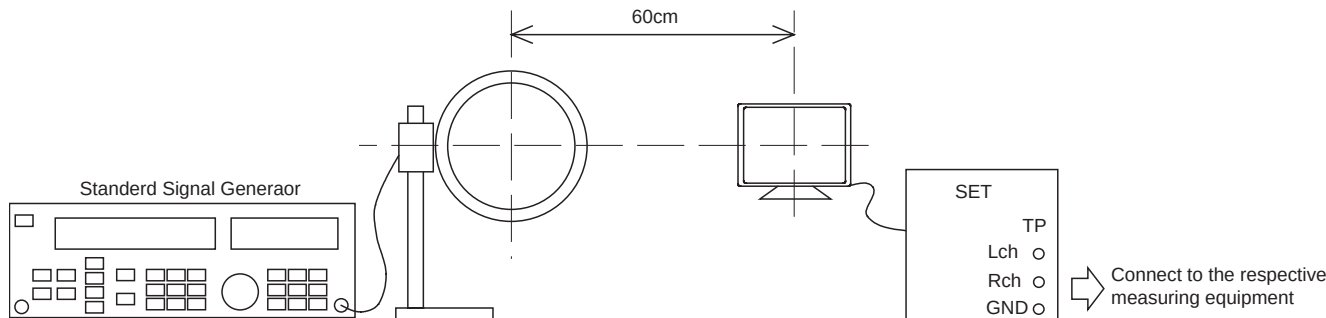
Test point: TP2, 3

- (1) Adjust the reception frequency of the main unit to 98.0MHz.
- (2) Check that the test point voltage difference between TP2 and TP3 is $0\text{mV} \pm 500\text{mV}$.



LW/MW ADJUSTMENT

For LW / MW adjustment, do wiring and connection as in the following.



6. IF ADJUSTMENT (MW)

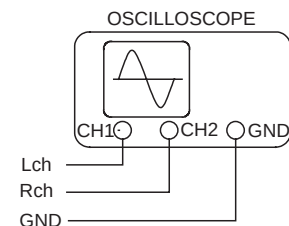
Requirement

Measuring equipment: Oscilloscope or Millivoltmeter

Test point: TP8(Lch), TP9(Rch), GND

Adjustment point: L802

- (1) Adjust the setting of Standard Signal Generator (hereinafter S.S.G.) to 999KHz of 30% variation.
- (2) Adjust the receiving frequency of the main unit at 999KHz.
- (3) While looking at the waveform on the oscilloscope, reduce the output level all the way (till a certain degree of is monitored through the oscilloscope).
- (4) Adjust L802 until the waveform of the oscilloscope reaches the maximum.



7. TRACKING ADJUSTMENT (MW)

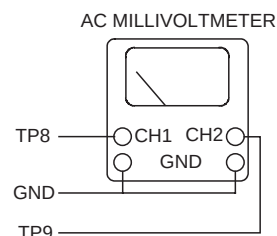
Requirement

Measuring equipment: Millivoltmeter

Test point: TP8(Lch), TP9(Rch), GND

Adjustment point: L952, L953

- (1) Adjust the S.S.G. setting to 999KHz of 30% variation and reduce the output level all the way (till a certain degree of is monitored through the oscilloscope).
- (2) Adjust the reception frequency of the main unit to 999KHz.
- (3) Adjust L952 until the value of the millivoltmeter reaches the maximum.
- (4) Adjust the S.S.G. setting to 603KHz of 30% variation and reduce the output level all the way (till a certain degree of is monitored through the oscilloscope).
- (5) Adjust the reception frequency of the main unit to 603KHz.
- (6) Adjust L953 until the value of the millivoltmeter reaches the maximum.
- (7) Repeat the adjustment 2 or 3 times from step 1 to 6 above.



ELECTRICAL ADJUSTMENT -3/6

8. TRACKING ADJUSTMENT (LW)

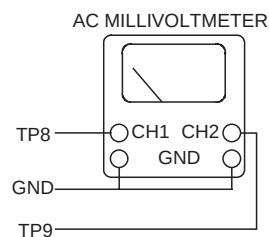
Requirement

Measuring equipment: Millivoltmeter

Test point: TP8(Lch), TP9(Rch), GND

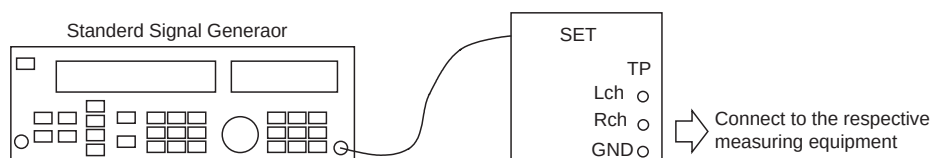
Adjustment point: L941, TC942

- (1) Adjust the S.S.G. setting to 144KHz of 30% variation and reduce the output level all the way (till a certain degree of is monitored through the oscilloscope).
- (2) Adjust the reception frequency of the main unit to 144KHz.
- (3) Adjust L941 until the value of the millivoltmeter reaches the maximum.
- (4) Adjust the S.S.G. setting to 290KHz of 30% variation and reduce the output level all the way (till a certain degree of is monitored through the oscilloscope).
- (5) Adjust the reception frequency of the main unit to 290KHz.
- (6) Adjust TC942 until the value of the millivoltmeter reaches the maximum.
- (7) Repeat the adjustment 2 or 3 times from step 1 to 6 above.



FM ADJUSTMENT

For adjusting FM, do wiring function and connection as in the following.



9. TRACKING ADJUSTMENT (FM)

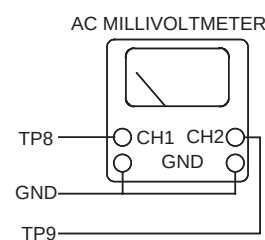
Requirement

Measuring equipment: millivoltmeter

Test point: TP8(Lch), TP9(Rch), GND

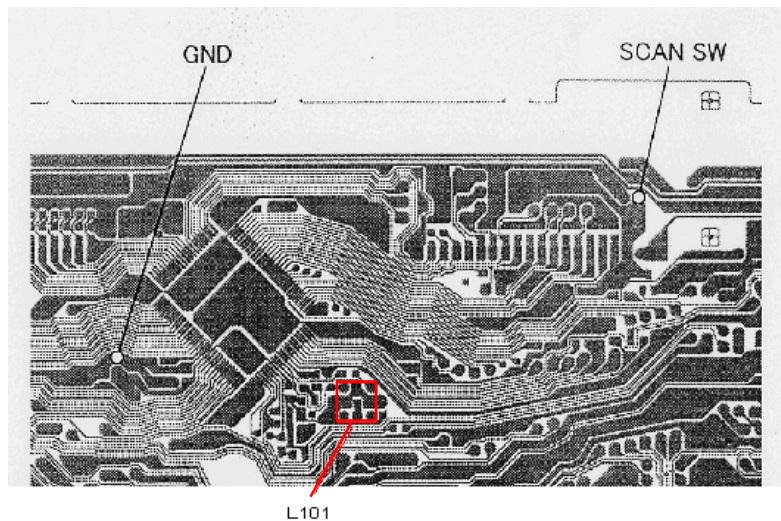
Adjustment point: L901, L902, L904, L905

- (1) Adjust the S.S.G. setting to 144KHz of 30% variation and reduce the output level all the way (till a certain degree of is monitored through the oscilloscope).
- (2) Adjust L905 > L904 > L902 > L901 until the value of the millivoltmeter reaches the maximum.
- (3) Adjust L901 > L902 > L904 > L905 until the value of the millivoltmeter reaches the maximum.
- (4) Repeat the adjustment 2 or 3 times from step 2 to 3 above.



ELECTRICAL ADJUSTMENT -4/6

CLOCK ADJUSTMENT



1. CLOCK ADJUSTMENT

Requirements

Measuring equipment: Frequency counter

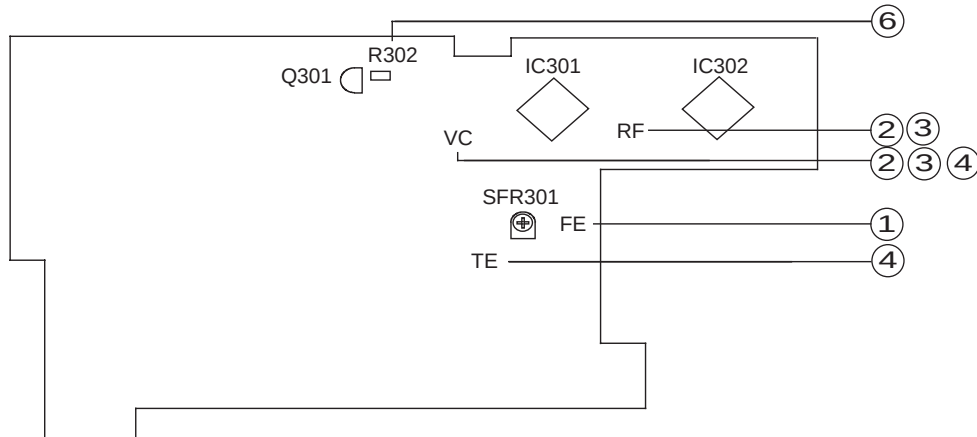
Test point: SCAN SW, GND

Adjustment point: L101

- (1) While pressing and holding down the POWER button and the TUNER button, insert the AC plug to outlet.
- (2) Adjust L101 so that the oscilloscope indicates the frequency within $78.315 \pm 0.78\text{Hz}$.

CD ADJUSTMENT

MAIN PWB PATTERN SIDE



Perform the adjustments after the main unit enters the test mode.

Place the CD mechanism on level ground.

Equipment and tools required

Measuring equipment

Digital multi-meter

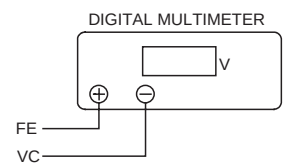
Jitter meter (KIKUSUI 6235)

Test disc: TCD-782

ATD-001

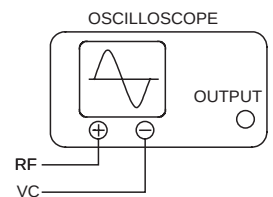
1. FOCUS BAIS ADJUSTMENT

- (1) Connect Digital multi-meter to the test point Fe and VC.
- (2) Play back the 2nd track of TCD-782.
- (3) Adjust SFR301 so that the voltage of digital multi-meter within $0 \pm 10\text{mV}$.



2. RF WAVEFORM CHECK

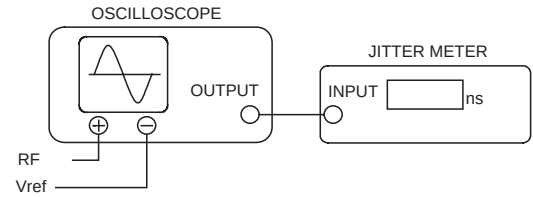
- (1) Connect oscilloscope to the test point RF and VC.
- (2) Play back the 2nd track of TCD-782.
- (3) Check that the RF waveform has the maximum amplitude and the center of the wedge waveform has the clear blank.



ELECTRICAL ADJUSTMENT -6/6

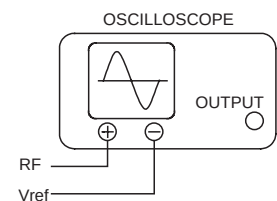
3. JITTER CHECK

- (1) While oscilloscope is kept connected in the same test point as in step2. RF WAVEFORM CHECK, connect the output terminal of an oscilloscope to the input terminal of the jitter meter.
- (2) Set the VOLT range selector of oscilloscope to 500mV range or below.
- (3) Play back 2nd track of TCD-782.
- (4) Check that jitter meter indicates 28.0ns or less.



4. TRACKING BALANCE CHECK

- (1) Connect the TE and Vref to the oscilloscope.
- (2) Playback the second track of TCD-782 and press the PAUSE button.
- (3) Check that the traverse waveforms of oscilloscope are up and down symmetrical.

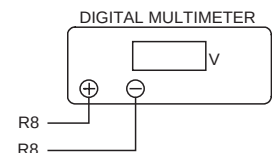


5. PLAY ABILITY CHECK

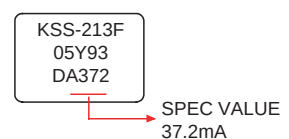
- (1) Play back the 3rd, 8th and 13th track of ATD-001. Check that the noise does not occur sound skipping does not occur.

6. LASER CURRENT CHECK

- *Do not perform this measurement unless the laser is suspected to be defective.
- (1) Connect digital multi-meter across the resistor R302 (10ohm).
 - (2) Play back the TCD-782 and check the DC voltage value on the digital multi-meter.
 - (3) Calculate the laser current (I_{op}) by dividing the DC voltage across R315 by the resistor value ($R_{302} = 10\text{ohm}$).
- Check that the laser current (I_{op}) is SPEC value $\pm 10\%$.

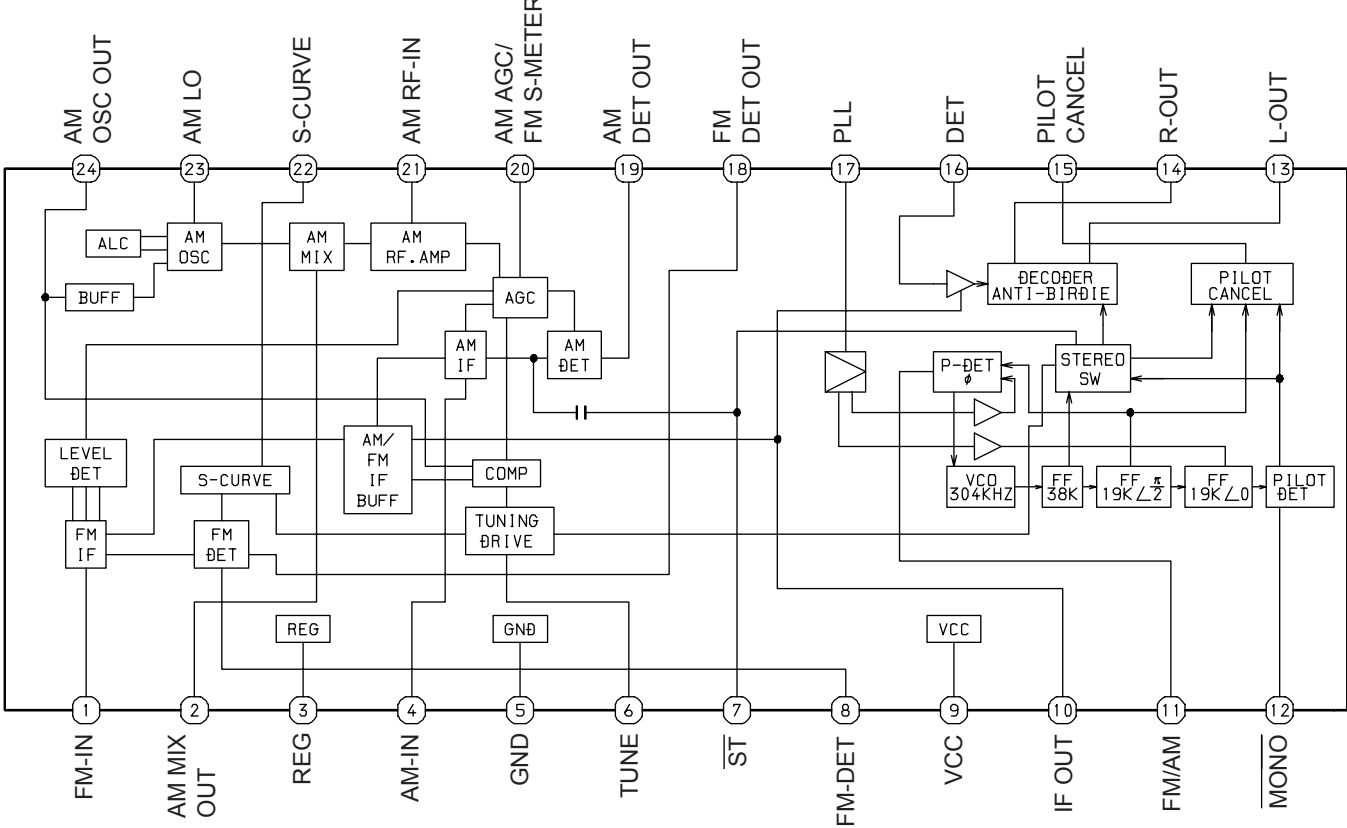


EXAMPLE

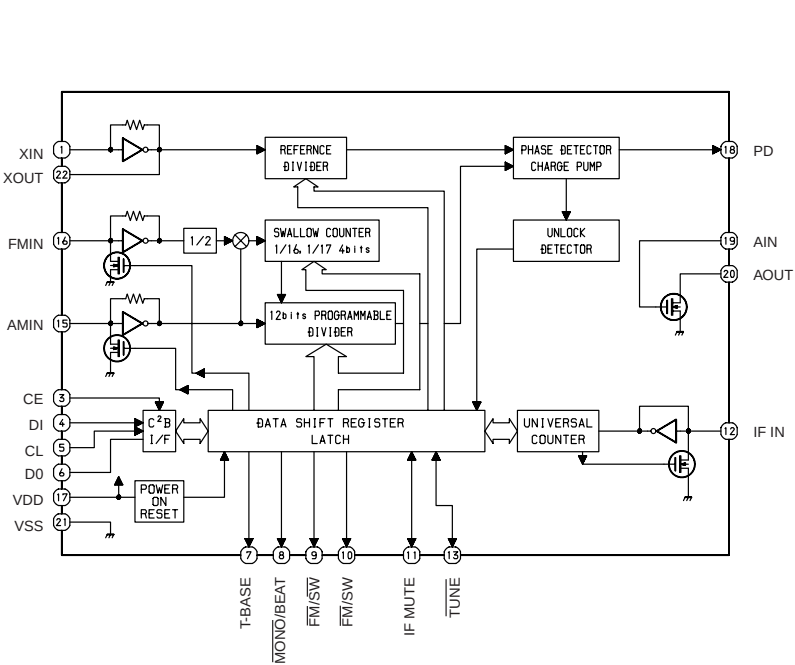


IC BLOCK DIAGRAM - 1/1

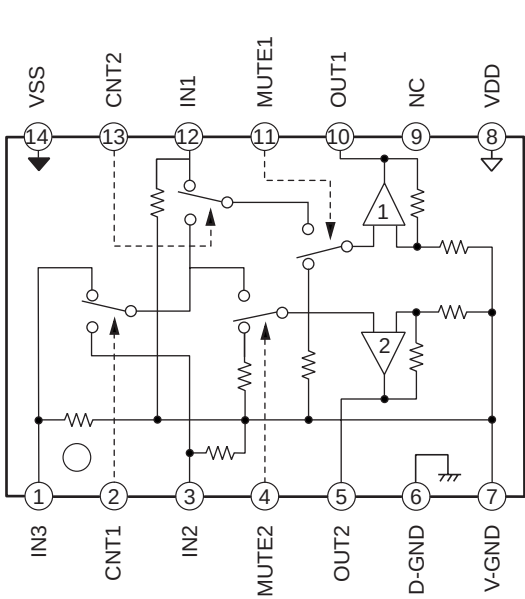
IC, LA1845N-A



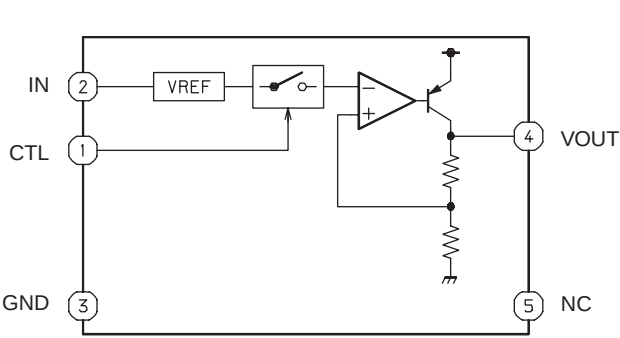
IC, LC72131D-N



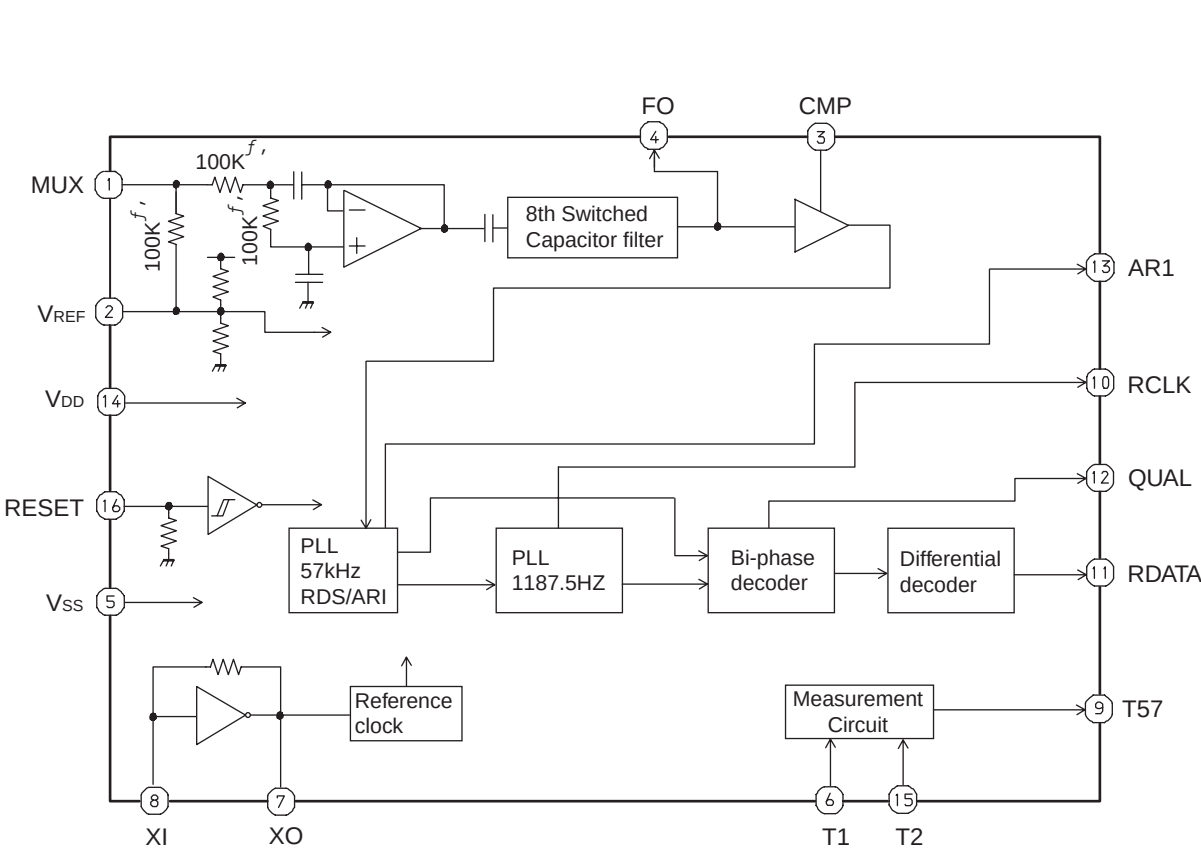
IC, NJM2279M



IC, BA033ST



IC, BU1920FS



IC DESCRIPTION -1/4(IC,UPD780228GF-090) -1/2

Pin No.	Pin Name	I/O	Description
1	O-KEY_SCAN	O	Scan output for diode input.
2	O-TUNE_ON	I	TUNE/IFC detection input to tuner.
3	O-POWER	O	System power ON.
4	O-S_MUTE	O	S_MUTE output.
5	O-DATA(M)	O	FUNCTION IC,PLL,SW VOL data output.
6	O-CLK(M)	O	FUNCTION IC,PLL,SW VOL clock output.
7	O-MUTE	O	System mute ON/OFF control output.
8	I-TM_BASE	I	Watch reference clock input.
9	O-RLY_A	O	SPEAKER_RELAY output. (Used when switching the RELAY_A ON/OFF).
10	O-RLY_B	O	SPEAKER_RELAY output. (Used when switching the RELAY_B ON/OFF).
11	O-RLY_C	O	SPEAKER_RELAY output. (Used when switching the RELAY_A+B ON/OFF).
12	O-C_MUTE	O	C_MUTE output.
13	O-SUBW_MUTE	O	SUB WOOFER output. Mute ON/OFF control output.
14	I-YS_SO	I	YSS912 data input.
15	O-AK_CDTO	O	AK4586 serial data input.
16	O-YS_CSD	O	YSS912 SUBDSP chip select output.
17	IC	–	High voltage connection port during program write/verification.
18	VSS	–	Port block ground potential.
19	VDD	–	Port block positive potential.
20	O-SDL	O	FUNCTION IC data latch output.
21	O-YS_SCK	O	YSS912 clock output.
22	O-YS_SI	O	YSS912 data output.
23	O-AK_CDTI	O	AK4586 serial data output.
24	O-YS_CS	O	YSS912 chip select output.
25	O-AK_CCLK	O	AK4586 clock output.
26	O-AK_CSN	O	AK4586 chip select output.
27	I-RDS_DATA	I	RDS data input.
28	I-RDS_CLK	I	RDS clock input.
29	O-AK_INT	O	AK4566 interrupt input.
30	RESET	–	Reset.
31	O-PLL_CE	O	Tuner PLL chip enable output.
32	O-PWR_LED	O	POWER_LED output.
33	NC	–	No connected.
34	I-RMC	I	Remote control input. (Active“L”).
35	NC	–	No connected.
36	O-C_SHIFT	O	Microprocessor shift clock output.
37	VDD1	–	Positive voltage (Excluding port, analog, FIP controller/driver).
38,39	X2,X1	–	External crystal for main system clock oscillation is connected to this pin.
40	VSS1	–	Ground potential (Excluding port and analog blocks).
41	AVDD	–	Analog power supply of A/D converter.
42	HOLD	I	HOLD input.

IC DESCRIPTION -1/4(IC,UPD780228GF-090) -2/2

Pin No.	Pin Name	I/O	Description
43	I-RE_VOL	I	MAIN VOL input. (Rotary encoder) AD input.
44	RDS_SIG	I	RDS SIG input.
45	I-RE_MULTI	I	MULTI JOG input. (Rotary encoder) AD input.
46	I-RE_FUNE	I	Remote control input. (Active“L”)
47	I-KEY2	I	Key input 2.
48	I-KEY1	I	Key input 1.
49	I-TUNE/IFC	I	Tuner TUNE/IFC detection input.
50	AVSS	–	Ground potential of A/D converter.
51	O-SW_RELAY	O	AC-OUTLET_RELAY output.(No connected)
52	NC	–	No connected.
53	NC	–	No connected.
54	O_AV_MUTE	O	Video signal MUTE output.
55	O_AV_B	O	Video signal select output.
56	O_AV_A	O	Video signal select output.
57	SW-RELAY	O	Relay switch signal output.
58	NC	–	No connected.
59	NC	–	No connected.
60	NC	–	No connected.
61,62	X2,X1	–	External crystal for main system clock oscillation is connected to this pin.(No connected)
63	I-MIC	I	MIC detection input.
64	I-RE_BASS2	I	BASS VOL input. (Rotary encoder) input.
65	I-RE_BASS1	I	BASS VOL input. (Rotary encoder) input.
66	I-RE_TRE2	I	TREBLE VOL input. (Rotary encoder) input.
67	I-RE_TRE1	I	TREBLE VOL input. (Rotary encoder) input.
68	I-HP_MUTE	I	Headphones insertion detection output: “L”:STEREO.(No connected)
69	I-STEREO	I	Stereo detection: “L”:STEREO.
70-72	P1-P3	O	LCD segment output (S1-S3).
73	P4	O	LCD segment output (S4)/DIODE input. “LW”.
74	P5	O	LCD segment output (S5)/DIODE input. “RDS”.
75	P6	O	LCD segment output (S6)/DIODE input. “AMST/WIDE”.
76	P7	O	LCD segment output (S7)/DIODE input. “AM10K”.
77	P8	O	LCD segment output (S8)/DIODE input. “KARAOKE”.
78	P9	O	LCD segment output (S9)/DIODE input. “FEET/NETER”.
79	VDD2	O	Positive voltage power supply for FIP controlller/driver.
80	-VFL	O	External pull-down resistorl for FIP controller/driver is connected to this pin.
81	P10	–	LCD segment output (S10)/DIODE input: 96KHz input.
82	P11	–	LCD segment output (S11)/DIODE input DIGITAL1 input.
83	P12	O	LCD segment output (S12)/DIODE input DIGITAL2 input.
84-88	P13-P17	O	LCD segment output (S13-S17).
89	NC	O	No connected.
90-100	G11-G1	O	FL grid output (G11-G1).

IC DESCRIPTION - 2/4 (IC,YSS921) - 1/2

Pin No.	Pin Name	I/O	Description
1	VDD1	—	+5V power supply for (I/Os).
2	RAMCEN	O	External SRAM Interface / CE. (No connected)
3	RAMA16	O	External SRAM Interface address 16. (No connected)
4	RAMA15	O	External SRAM Interface address 15. (No connected)
5-7	SDIB0~2	I	PCM input 0~2 to Sub DSP. (No connected)
8	XI	I	Crystal oscillator connection or input external clock (6.125MHz - 50.0MHz).
9	XO	O	Crystal oscillator connection.
10	VSS	—	Ground.
11	AVDD	—	+3.3V power supply (for PLL circuit).
12	SDIB3	—	(No connected)
13,14	TEST	—	Test terminal. (No connected)
15	OVFB	O	Detection of overflow at Sub DSP. (No connected)
16	DTSDATA	—	(No connected)
17	AC3DATA	—	(No connected)
18	SDOB3	—	(No connected)
19	CPO	O	Output terminal for PLL, to be connected to ground through the external analog filter circuit.
20	AVSS	—	Ground (for PLL circuit).
21	VDD2	—	+3.3V power supply (for core logic).
22	SDOA2	O	PCM output from Main DSP (C, LFE). (No connected)
23	SDOA1	O	PCM output from Main DSP (LS, RS). (No connected)
24	SDOA0	O	PCM output from Main DSP (L, R). (No connected)
25-29	RAMA14-10	O	External SRAM Interface address 14 ~ 10. (No connected)
30	VSS	—	Ground.
31	VDD1	—	+5V power supply (for I/Os).
32	OPORT0	O	Output port for general purpose. (No connected)
33-35	OPORT1~3	O	Output port for general purpose. (No connected)
36	OPORT4	O	Output port for general purpose. (No connected)
37	OPORT5	O	Output port for general purpose. (No connected)
38	OPORT6	O	Output port for general purpose. (No connected)
39	OPORT7	O	Output port for general purpose. (No connected)
40	VSS	—	Ground.
41	VDD2	—	+3.3V power supply (for core logic).
42-44	RAMA9~7	O	External SRAM interface address 9~7. (No connected)
45-47	SDOB3~1	O	PCM output from Sub DSP.
48	SDBCK1	I	Bit clock input for SDOA, SDIB, SDOB. (No connected)
49	SDWCK1	I	Word clock input for SDOA,SDIB,SDOB. (No connected)
50	VSS	—	Ground.
51	VDD2	—	+3.3V power supply (for core logic).
52	NONPCM	O	Detection of non-PCM data. (No connected)
53	CRC	O	Detection of CRC error. (No connected)
54	MUTE	O	Detection of auto mute. (No connected)
55	KARAOKE	O	Detection of AC-3 karaoke data. (No connected)

IC DESCRIPTION - 2/4 (IC, YSS921) - 2/2

Pin No.	Pin Name	I/O	Description
56	SURENC	O	Detection of AC-3 2/0 mode Dolby surround encoded input. (No connectod)
57	/SDBCK0	O	Inverted SDBCK0 clock output . (No connectod)
58,59	RAMA6,5	O	External SRAM Interface address 6, 5. (No connectod)
60	VSS	—	Ground.
61	RAMA4	O	External SRAM Interface address 4. (No connectod)
62	/IC	I	Initial clear.
63	TEST	—	Test terminal (No connectod).
64	RAMA3	O	External SRAM Interface address 3. (No connectod)
65	/CSD	I	Sub DSP Chip select.
66	/CS	I	Microprocessor interface Chip select.
67	SO	O	Microprocessor interface Serial data output.
68	SI	I	Microprocessor interface / Sub DSP Serial data input.
69	SCK	I	Microprocessor interface / Sub DSP clock input.
70	RAMA2	O	External SRAM Interface address 2. (No connectod)
71	VDD1	—	+5V power supply (for I/Os).
72-79	RAMD0-7	I/O	External SRAM Interface data (STREAM0~7 output when External SRAM is not in use). (No connectod)
80	VSS	—	Ground.
81	VDD2	—	+3.3V power supply (for core logic).
82	DSIWCK0	I	Word clock input for SDIA, SDOA, SDIB, SDOB.
83	SDIBCK0	I	Bit clock input for SDIA, SDOA, SDIB, SDOB.
84	SDIA0	I	AC-3 bitstream (or PCM) data input for Main DSP.
85	SDIA1	I	AC-3 bitstream (or PCM) data input for Main DSP. (No connectod)
86,87	RAMA1,0	O	External SRAM Interface address 1, 0. (No connectod)
88	RAMWEN	O	External SRAM Interface / WE. (No connectod)
89	RAMWOEN	O	External SRAM Interface / OE. (No connectod)
90	VSS	—	Ground.
91	VDD2	—	+3.3V power supply (for core logic).
92	IPORT7	I	Ground.
93	IPORT6	—	Ground.
94-96	IPORT5-3	—	(No connectod)
97-99	IPORT2-0	—	Input port for general purpose.
100	VSS	—	Ground.

IC DESCRIPTION - 3/4 (IC,BD3811K1) - 1/2

Pin No.	Pin Name	I/O	Description
1	AUX-L	I	AUX-Lch input terminal.
2	AUX-R	I	AUX-Rch input terminal.
3	CD-L	I	CD-Lch input terminal.
4	CD-R	I	CD-Rch input terminal.
5	TAPE-L	I	TAPE-Lch input terminal.
6	TAPE-R	I	TAPE-Rch input terminal.
7	VIDEO1-L	I	VIDEO1-Lch input terminal.
8	VIDEO1-R	I	VIDEO1-Rch input terminal.
9	VIDEO2-L	I	VIDEO2-Lch input terminal.
10	VIDEO2-R	I	VIDEO2-Rch input terminal.
11	VIDEO3-L	I	VIDEO3-Lch input terminal.
12	VIDEO3-R	I	VIDEO3-Rch input terminal.
13	5.1CH-SR	I	5.1CH Surround Rch input terminal.
14	5.1CH-SL	I	5.1CH Surround Lch input terminal.
15	5.1CH-C	I	5.1CH Center input Terminal.
16	5.1CH-SW	I	5.1 Sub woofer input terminal.
17	OUT-R(+)	O	Rch(+) A/D output terminal.
18	OUT-R(-)	O	Rch(-) A/D output terminal.
19	OUT-L(+)	O	Lch(+) A/D output terminal.
20	OUT-L(-)	O	Lch(-) A/D output terminal.
21	DSP IN-L	I	DSP Lch input termnal.
22	5.1CH-L	I	5.1CH Lch input terminal.
23	DSP IN-R	I	DSP Rch input termnal.
24	5.1CH-R	I	5.1CH Rch input terminal.
25	DSP IN SR	I	DSP Surround Rch input terminal.
26	DSP IN-SL	I	DSP Surround Lch input terminal.
27	DSP IN-C	I	DSP Center input terminal.
28	DSP IN-SW	I	DSP Sub woofer input terminal.
29	AGND	–	Analog ground terminal.
30	GOUT-SW	O	Sub woofer input gain output terminal.
31	VOL IN SW	I	Sub woofer volume input terninal.
32	AGND	–	Analog ground terminal.
33	GOUT-C	O	Center speaker input gain output terminal.
34	VOL IN-C	I	Center speaker volume iutput terminal.
35	OUT-SW	O	Sub woofer output terminal.
36	OUT-C	O	Center speaker output terminal.
37	OUT-SL	O	Surround Lch output terminal.
38	OUT-SR	O	Surround Rch output terminal.
39	VOL IN-SL	I	Surround Lch volume iutput terminal.
40	GOUT-SL	O	Surround Lch input gain output terminal.
41	AGND	–	Analog ground terminal.
42	VOL IN-SR	I	Surround Rch volume input terminal.
43	GOUT-SR	O	Surround Rch inout gain output terminal.
44	AGND	–	Analog ground terminal.
45	DGND	–	Ground terminal for comparator.
46	DATA	I	Serial data and latch input terminal.
47	CLK	I	Serial clock input terminal.
48	MUTE	–	Mute terminal. (No connected)
49	AGND	–	Analog ground terminal.
50	VSS	–	Power supply terminal (–).
51	AGND	–	Analog ground terminal.

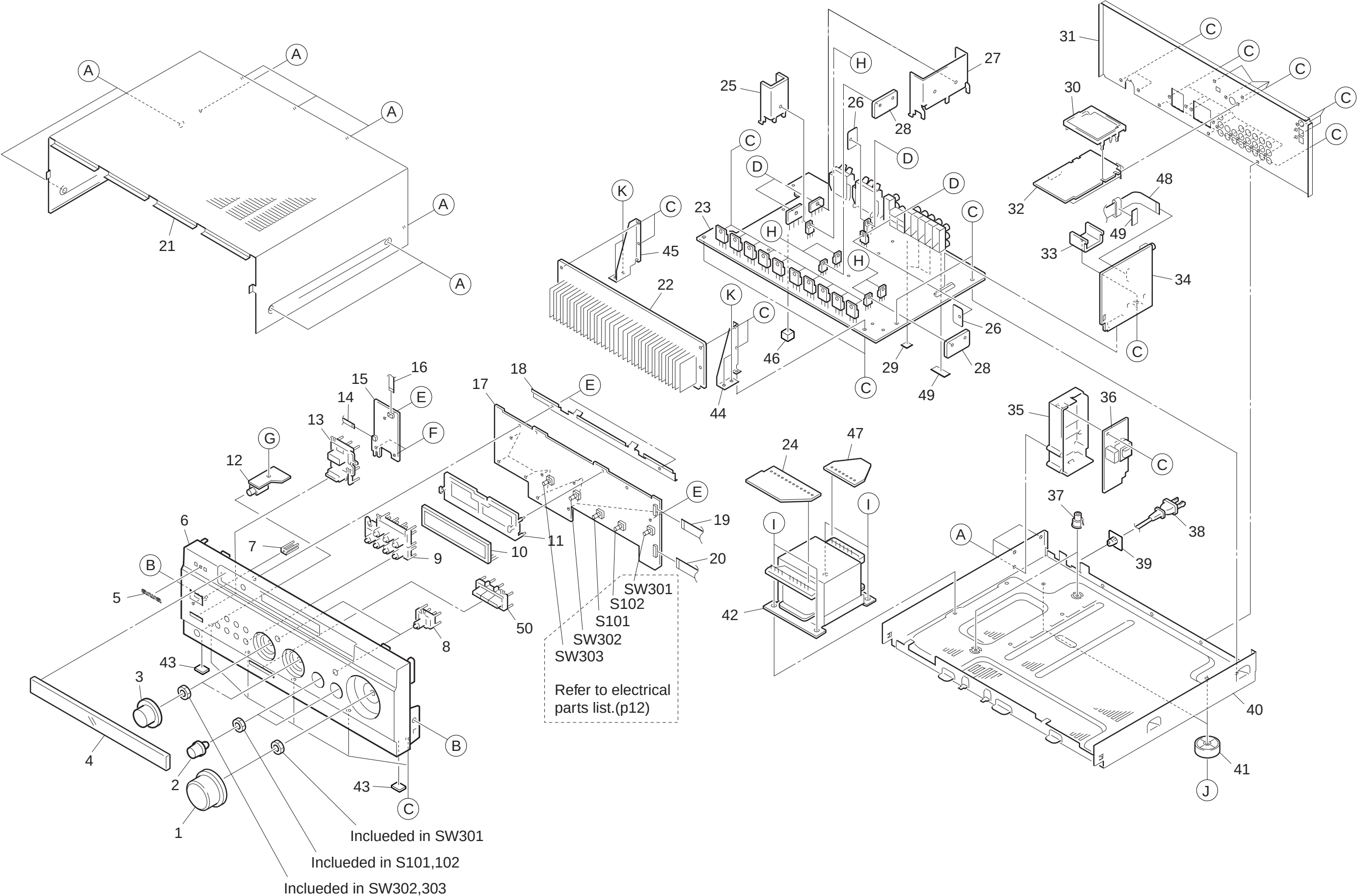
IC DESCRIPTION - 3/4 (IC,BD3811K1) - 2/2

Pin No.	Pin Name	I/O	Description
52	VDD	–	Power supply terminal (+).
53	AGND	–	Analog ground terminal.
54	AGND	–	Analog ground terminal.
55	OUT-L	O	Lch output terminal.
56	BBFTR-L	–	Lch bass boost filter terminal.
57	OUT-R	O	Rch output terminal.
58	BBFTR-R	–	Rch bass boost filter terminal.
59	BFTR2-R	–	Rch bass filter terminal 2.
60	BFTR1-R	–	Rch bass filter terminal 1.
61	BFTR2-L	–	Lch bass filter terminal 2.
62	BFTR1-L	–	Lch bass filter terminal 1.
63	TFTR-L	–	Lch treble filter terminal.
64	TFTR-R	–	Rch treble filter terminal.
65	VOL IN-L	I	Lch volume Input terminal.
66	GOUT-L	O	Lch input gain output terminal.
67	AGND	–	Analog ground terminal.
68	VOL IN-R	I	Rch volume Input terminal.
69	GOUT-R	O	Rch input gain output terminal.
70	AGND	–	Analog ground terminal.
71	RECOUT1-L	I/O	REC Lch input and output terminal.
72	RECOUT1-R	I/O	REC Rch input and output terminal.
73	RECOUT2-L	O	REC Lch output terminal 2.
74	RECOUT2-R	O	REC Rch output terminal 2.
75	RECOUT3-L	O	REC Lch output terminal 3. (No connected)
76	RECOUT3-R	O	REC Rch output terminal 3. (No connected)
77	TUNER-L	I	TUNER Lch input terminal.
78	TUNER-R	I	TUNER Rch nput terminal.
79	PHONO-L	I	PHONE Lch input terminal. (No connected)
80	PHONO-R	I	PHONE Rch input terminal. (No connected)

IC DESCRIPTION - 4/4 (IC,AK4586) - 1/1

Pin No.	Pin Name	I/O	Description
1	XTO	O	X'tal Output Pin.
2	XTI	I	X'tal Input Pin.
3	DVDD	–	Digital Power Supply Pin,4.5V-5.5V.
4	DVSS	–	Digital Ground Pin,0V.
5	TVDD	–	Output Buffer Powr Supply Pin,2.7V-5.5V.
6	TX	O	Transmit channel (through data) Output Pin.
7	MCKO	O	Master Clock Output Pin.
8	LRCK	I/O	Input/Output Channel Clock Pin.
9	BICK	I/O	Audio Serial Data Clock Pin.
10	SDTO	O	Audio Serial Data Output Pin.
11	SDOB1	I	DAC1 Audio Serial Data Input Pin.
12	SDOB2	I	DAC2 Audio Serial Data Input Pin.
13	SDOB3	I	DAC3 Audio Serial Data Input Pin.
14	INT0	O	Interrupt 0 Pin.
15	INT1	O	Interrupt 1 Pin.
16	CDTO	O	Control Data Output Pin in 4-wire serial control mode.
17	CDTI	I	Control Data Input Pin in 4-wire serial control mode.
18	CCLK	I	Control Data Clock Pin in 4-wire serial control mode.
19	CSN	I	Chip Select Pin in 4-wire serial control mode.
20	DZF2	O	Zero Input Detect 2 Pin (Note1) When the input data of the group 1 follow total 8912 LRCK cycles with "0"input data,this pin goes to "H".
21	AVSS	–	Analog Ground Pin,0V
22	AVDD	–	Analog Power Supply Pin,4.5V-5.5V
23	VREFH	I	Positive Voltage Reference Input Pin,AVDD
24	VCOM	O	Common Voltage Output Pin,AVDD/2 Large external capacitor around 2.2μF is used to reduce power-supply noise.
25	DZF1	O	Zero Input Detect 1 Pin (Note 1) When the input data of the group 1 follow total 8192 LRCK cycles with "0" input data,this pin goes to " H".
26	LOUT3	O	DAC3 Lch Analog Output Pin.
27	ROUT3	O	DAC3 Rch Analog Output Pin.
28	LOUT2	O	DAC2 Lch Analog Output Pin.
29	ROUT2	O	DAC2 Rch Analog Output Pin.
30	LOUT1	O	DAC1 Lch Analog Output Pin.
31	ROUT1	O	DAC1 Rch Analog Output Pin.
32	LIN	I	Lch Analog Input Pin.
33	RIN	I	Rch Analog Input Pin.
34	PVDD	–	PLL Power Supply Pin,4.5V-5.5V.
35	R	–	External Resistor Pin 18kΩ +/-1% resistor to PVSS externally.
36	PVSS	–	PLL Ground Pin,0V.
37	RX4	I	Receiver Channel 4 Pin (Internal biased pin).
38	SLAVE	I	Slave Mode Pin "L":Master mode or Slave mode, "H":Slave mode.
39	RX3	I	Receiver Channel 3 Pin (Internal biased pin).
40	TST	I	Test Pin This Pin should be connector to DVSS.
41	RX2	I	Receiver Channel 2 Pin (Internal biased pin).
42	I2C	I	Control Mode Select Pin "L":4-wire Serial,"H":I ² C Bus.
43	RX1	I	Receiver Channel 1 Pin (Internal biased pin).
44	PDN	I	Power-Down & Reset Pin When "L", the AK4586 is powered -down ,all output pins go to "L"and the control registers are treset to default state. If the state of CAD 1-0 changes,then the AK4586 must be reset by PDN.

Note 1: The group 1 and 2 can be selected by DZFM2-0bits.



MECHANICAL PARTS LIST - 1/1

! =  SAFETY PARTS
C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.

Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
		O	MC1001	8C-AR6-053-010	KNOB,RTRY VOL ASSY SIL T	a	c
		O	MC1001	8C-AR6-017-010	KNOB,RTRY VOL ASSY	.	.
		X	MC1001a	8C-AR6-215-010	KNOB,RTRY VOL	b	c
		O	MC1001b	8C-AR6-054-010	CAP, VOL SIL T	a	c
		X	MC1001b	8C-AR6-012-010	CAP, VOL	.	.
		O	MC1002	8C-AR6-042-010	KNOB,RTRY BASS SIL	a	c
		O	MC1002	8C-AR6-014-010	KNOB,RTRY BASS	.	.
		O	MC1003	8C-AR6-055-010	KNOB,RTRY FUN SIL T	a	c
		O	MC1003	8C-AR6-013-010	KNOB,RTRY FUN	.	.
		O	MC1004	8C-AR6-016-010	WINDOW, DISP K	a	c
		O	MC1005	8C-AR6-019-010	BADGE,AIWA 32.5 SIL	a	c
		O	MC1005	8C-AR6-015-010	BADGE,AIWA 32.5	.	.
		O	MC1006	8C-AR6-020-010	CABI,FR EZ SIL	a	.
		O	MC1006	8C-AR6-022-010	CABI,FR EZ	.	.
		O	MC1006	8C-AR6-023-010	CABI,FR LH SIL	.	c
		O	MC1007	8C-AR6-006-010	REFLECTOR,ECO	a	c
		O	MC1008	8C-AR6-037-010	KEY,ENTER SIL	a	c
		O	MC1008	8C-AR6-009-010	KEY,ENTER	.	.
		O	MC1009	8C-AR6-036-010	KEY,BAL SIL	a	c
		O	MC1009	8C-AR6-008-010	KEY,BAL	.	.
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
		O	MC1010	8C-AR6-601-010	FL,HNA-11SM25 CAR-6	a	c
		X	MC1011	8C-AR6-202-010	GUIDE,FL	a	c
		X	MC1012	8C-AR6-656-010	PWB,HP CAR-6EZ	a	c
		O	MC1013	8C-AR6-035-010	KEY,POWER SIL	a	c
		O	MC1013	8C-AR6-007-010	KEY,POWER	.	.
		O	MC1014	88-904-121-110	FF-CABLE,4P 1.25 120MM	a	c
		X	MC1015	8C-AR6-657-010	PWB,KEY CAR-6EZ	a	c
		O	MC1016	88-909-061-110	FF-CABLE,9P 1.25 60MM	a	c
		X	MC1017	8C-AR6-652-010	PWB,FRONT CAR-6EZ	a	c
		X	MC1018	8C-AR6-216-010	HLDR,STCB	a	c
		O	MC1019	88-912-221-110	FF-CABLE, 12P 1.25 220MM	a	c
		O	MC1020	88-916-151-110	FF-CABLE,16P 1.25 150MM	.	c
		O	MC1021	8C-AR6-043-010	CABI,STEEL SIL	a	c
		O	MC1021	8C-AR6-003-010	CABI,STEEL	.	.
		X	MC1022	8C-AR6-206-010	HT-SINK,ASSY U	a	c
		X	MC1022a	8C-AR6-207-010	HT-SINK,MAIN T3	a	c
		X	MC1022b	8C-AR6-208-010	HT-SINK,FIN T0.5	a	c
		X	MC1023	8C-AR6-632-110	PWB,MAIN	a	c
		X	MC1024	8C-AR6-655-010	PWB,AC2 CAR-6EZ	a	c
		X	MC1025	8C-AR6-212-010	HT-SINK,VM	a	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
		X	MC1026	88-AR1-220-010	HT-SINK,TR VCC	a	c
		X	MC1027	8C-AR6-214-010	HT-SINK,DIODE	a	c
		X	MC1028	88-AR1-213-010	HT-SINK,FET	a	c
		O	MC1029	80-XV1-218-010	CUSH-S,PWB	a	c
		X	MC1030	8C-AR6-213-010	HLDR,TU	a	c
		O	MC1031	8C-AR6-032-010	PANEL,REAR EZSC	a	.
		O	MC1031	8C-AR6-033-010	PANEL,REAR KSC	.	c
		X	MC1032	8C-AR6-653-010	PWB,TUNER CAR-6EZ	a	c
		X	MC1033	8B-AR1-222-010	HT-SINK,TR DD	a	c
		X	MC1034	8C-AR6-645-010	PWB,DSP 4M CAR-6	a	c
		X	MC1035	8C-AR6-209-010	HLDR,PWB SUB PT	a	c
		X	MC1036	8C-AR6-659-010	PWB,SUB PT CAR-6EZ	a	c
		X	MC1037	8C-AR6-203-010	HLDR,PWB H11.9	a	c
		!	MC1038	87-A80-143-010	AC CORD ASSY,E BLK	a	c
		O	MC1039	88-NF9-210-010	BUSHING,CORD-E	a	c
		X	MC1040	8C-AR6-221-010	CHAS,MAIN 85-63	a	c
		O	MC1041	89-AA1-042-010	FOOT,H15	a	c
		!	MC1042	8C-AR6-608-010	PT,EZ CAR-6	a	c
		X	MC1043	86-NFZ-205-010	CUSH, 12.5-15.5-2 (NP)	a	c
		X	MC1044	8C-AR6-204-010	HLDR,HT-SINK L	a	c
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
		X	MC1045	8C-AR6-205-010	HLDR,HT-SINK R	a	c
		X	MC1046	8C-AR6-219-010	CUSH, 10-10-10	a	c
		X	MC1047	8C-AR6-654-010	PWB,AC1 CAR-6EZ	a	c
		O	MC1048	88-912-121-110	FF-CABLE, 12P 1.25 120MM	a	c
		X	MC1049	8A-NHZ-205-010	CUSH-S, 20-10-1.6	a	c
		O	MC1050	8C-AR6-038-010	KEY,RDS SIL	a	.
		O	MC1050	8C-AR6-011-010	KEY,RDS	.	.
		O	MC1A	87-067-641-010	UTT2+3-8 W/O SLOT BLK	a	c
		O	MC1B	87-721-095-410	QT2+3-8 W/O SLOT	a	c
		O	MC1C	87-067-703-010	BVT2+3-10 W/O SLOT	a	c
		O	MC1D	87-067-958-010	BVTT+3-10	a	c
		O	MC1E	87-352-075-210	VT2+2.6-10	a	c
		O	MC1F	87-512-074-210	VFT2+2.6-8	a	c
		O	MC1G	87-NF4-224-010	S-SCREW,IT3B+3-8 CU	a	c
		O	MC1H	87-067-579-010	BVT2+3-8 W/O SLOT	a	c
		O	MC1I	87-078-200-010	S-SCREW,ITC+4-8 R	a	c
		O	MC1J	87-661-100-010	VFT1+3-16	a	c
		O	MC1K	87-B10-315-010	BVIT3B+3-8 R W/O	a	c

COLOR NAME TABLE -1/1

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink
LA	Aqua Blue	GL	Light Green	HT	Transparent Gray
HM	Metallic Gray	NH	Champagne Gold	M	Wood Pattern

OTHERS PARTS LIST - 1/1

! = ⚠ SAFETY PARTS
C = Components marked

All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
					AV-NW30 EZSC	AV-NW30 EZBC	AV-NW30 KSC
	X		8C-AR6-222-010	SH, 25-60-2 W/ADH	a	b	c
	X		87-B40-281-010	LBL, BAR-CODE A 35X8	a	b	c
	X		8C-AR6-018-010	SH, FL	a	b	c
	X		87-B40-098-010	BAG, PV 0.025-650-750 PL	a	b	c
	X		8C-AR6-857-010	PAD, FRONT TOP	a	b	c
	X		92-370-716-010	SH, FOAMED-MAT 0.31-700-500	a	b	c
	X		87-B40-086-010	BAG, PV 0.04-230-400 PL	a	b	c
	X		87-B50-079-010	LIST, FACILITY(B)-0007	a	b	c
	X		87-056-168-010	SH, CAUTION INF-WARR(EC)	a	b	c
	X		8C-AR6-855-010	CTN, PRINTED EZSC	a	b	.
	X		8C-AR6-851-010	CUSHION, LEFT C	a	b	.
	X		8C-AR6-852-010	CUSHION, RIGHT C	a	b	.
	X		8C-AR6-919-010	SH, ADDITIONAL HP(9L)	a	b	.
	X		87-056-772-010	LBL, COLOR L BLK	.	b	.
	X		8C-AR6-854-010	CTN, PRINTED KSC	.	.	c
	X		8C-AR4-851-010	CUSHION, LEFT SOB	.	.	c
	X		8C-AR4-852-010	CUSHION, RIGHT SOB	.	.	c
	X		8C-AR6-918-010	SH, ADDITIONAL HP(ESF)	.	.	c



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