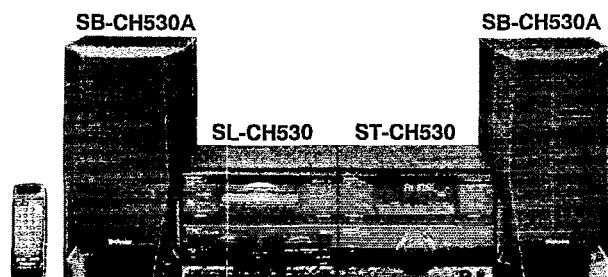


Service Manual

Tuner/Sound Processor

Tuner

ST-CH530

Remote Control
Transmitter

RS-CH730

SE-CH530

Colour

(K) : Black

Areas

Suffix for Model No.	Area	Colour
(E)	Europe	(K)
(EG)	Germany and Italy	
(GC)	Asia, Latin America, Middle East, Africa and Oceania	

Because of unique interconnecting cables, when a component requires service, send or bring in the entire system.

Specifications

■ Preamplifier section

Input sensitivity/impedance

[For (E) and (EG) areas]

PHONO 2.5 mV/47 k Ω
EXTERNAL 250 mV/15 k Ω

[For (GC) area]

AUX 250 mV/15 k Ω
EXTERNAL 250 mV/15 k Ω

Output level

EXTERNAL REC OUT 150 mV/1.5 k Ω

Frequency response

[For (E) and (EG) areas]

PHONO 30 Hz – 15 kHz/
+1.5 to –2.0 dB
EXTERNAL 20 Hz – 40 kHz

[For (GC) area]

AUX 20 Hz – 40 kHz
EXTERNAL 20 Hz – 40 kHz

■ EQ, SFP section

EQ SPACE mode

3 modes

Mic Echo HALL, CLEAR, HEAVY

1.0, 1.2, 1.4, 1.6 sec.

■ FM tuner section

Frequency range

87.50 – 108.00 MHz
(0.05 MHz steps)

Sensitivity

1.8 μ V (IHF usable)

S/N 26 dB

1.5 μ V

S/N

MONO 70 dB (75 dB, IHF)

Stereo separation 1 kHz

35 dB

Antenna terminal(s)

75 Ω (unbalance)

■ AM tuner section

Frequency range

[For (E) area]

MW 522 – 1611 kHz (9 kHz steps)
530 – 1620 kHz (10 kHz steps)
144 – 288 kHz (9 kHz steps)

LW

[For (EG) and (GC) areas]

AM

522 – 1611 kHz (9 kHz steps)

530 – 1620 kHz (10 kHz steps)

Sensitivity (S/N 20 dB)

[For (E) area]

MW

500 μ V/m

LW

50 μ V

[For (EG) and (GC) areas]

AM

500 μ V/m

■ Timer section

Clock

Quartz-lock type

Function

24-hour programmable;

Play timer (1 time), Rec timer (1 time),

Sleep (120 min., 30 min. intervals)

Setting

1 minute – 23 hours 59 minutes (1 min. intervals)

■ General

Dimensions (W $\times$ H $\times$ D)270 $\times$ 89 $\times$ 274 mm

Weight

1.6 kg

Note:

Specifications are subject to change without notice.

Weight and dimensions are approximate.

System	Tuner/sound processor	Compact disc player	Amplifier	Cassette deck	Speakers
SC-CH530	ST-CH530	SL-CH530	SE-CH530	RS-CH730	*SB-CH530A

* :For (E) and (EG) areas Made in PAES
For (GC) area Made in NABEL

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.

Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Technics®

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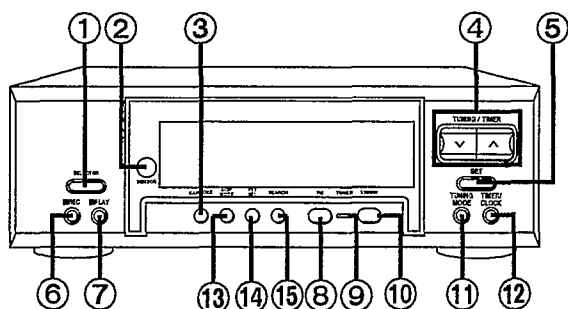
Contents

	Page		Page
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Setting the Time	2	Printed Circuit Board Diagram	20~23
About the Self-Diagnostic Mode	3	Wiring Connection Diagram	23
Operation Check and		Block Diagram	24~28
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NOTE:

Refer to the service manual for Model No. SE-CH530 (ORDER No. AD9505126C2) for information on "Accessories", "Stacking the Components", "Connections" and "Packaging".

Location of Controls



- ① Source input select button (SELECTOR)
- ② Remote control signal sensor (SENSOR)
- ③ Karaoke mode select button ((KARAOKE)
- ④ Tuning/timer select button (TUNING/TIMER, ^, V)
- ⑤ Set button (SET)
- ⑥ Record timer button ([] REC)
- ⑦ Play timer button ([] PLAY)
- ⑧ FM button (FM)
- ⑨ Tuner indicator (TUNER)
- ⑩ LW/MW select button (LW/MW)...for (E) area
AM button.....for (EG) and (GC) areas
- ⑪ Tuning mode select button (TUNING MODE)
- ⑫ Timer/clock button (TIMER/CLOCK)
- ⑬ Display mode selector button (DISP MODE)...for (EG) area
- ⑭ PTY selector button (PTY SEL)...for (EG) area
- ⑮ PTY search button (PTY SEARCH)...for (EG) area

Setting the Time

This is a 24-hours display clock.

These instructions explain how to set the timer for 16:25 (4:25 p.m.) on Wednesday.

- 1 Switch on the power**
- 2 ① Press TIMER/CLOCK to show "CLOCK".**
Within 8 seconds:
② Press SET.
- 3 ① Press TUNING/TIMER V or ^ to select the day.**
② Press SET.
- 4 ① Press TUNING/TIMER V or ^ to select the hour.**
② Press SET.
- 5 ① Press TUNING/TIMER V or ^ to select the minutes.**
② Press SET to finish setting the time.
The display will return to the previous display after about 3 seconds.

When SUN "0:00" flashes

It flashes when you connect the AC power supply cord for the first time or if there has been a power failure.
If this happens, reset the time.

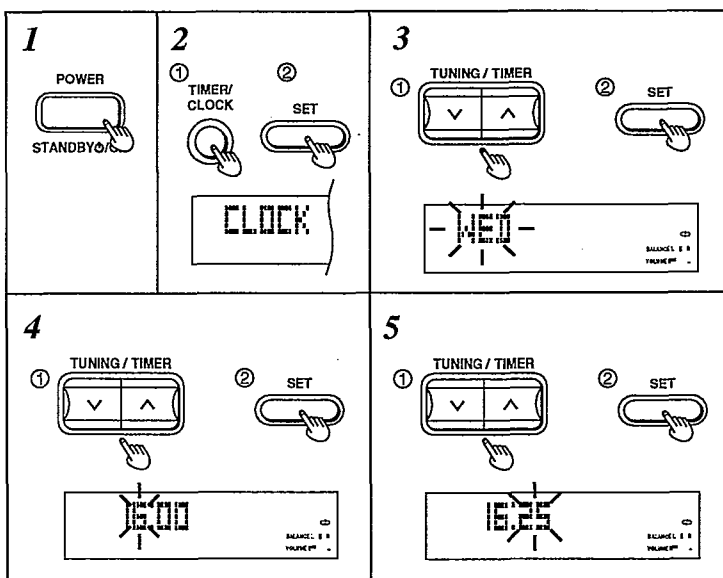
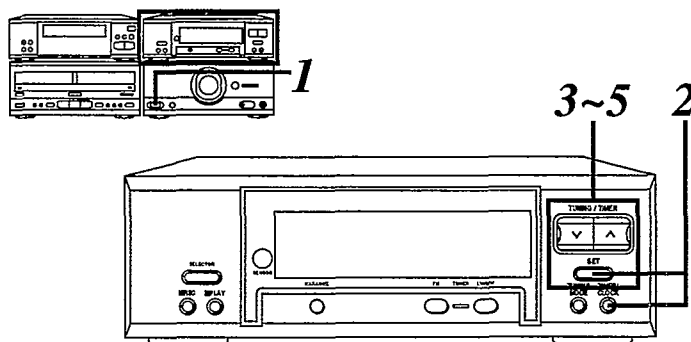
If the minutes setting has gone wrong:

1. Press TIMER/CLOCK.
2. Press SET 3 times.
3. Press TUNING/TIMER V or ^ to select the minutes, and then press SET.

To display the clock again:

Press TIMER/CLOCK.

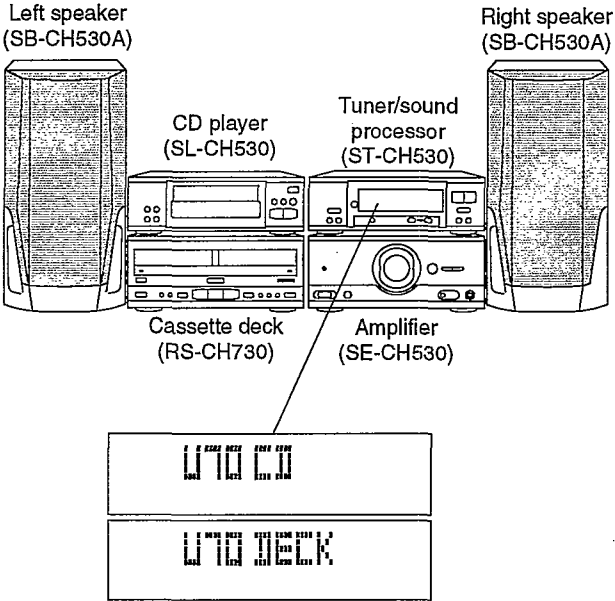
The clock display will appear for about 8 second.



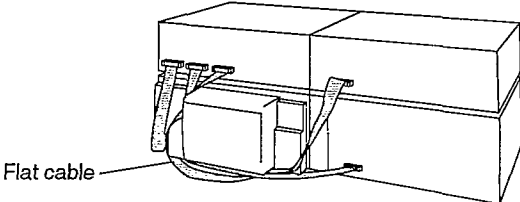
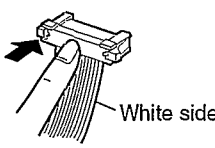
■About the Self-Diagnostic Mode

This unit is equipped with a self-diagnostic function which, in the event of a malfunction, automatically displays a code indicating the nature of the malfunction. Use this self-diagnostic function when servicing the unit.

SC-CH530 (SL-CH530, ST-CH530, SE-CH530, RS-CH730, SB-CH530A)

Display method	Display location
To display the malfunction code U-70 CD: U-70 DECK: ... Automatically displays on the tuner/sound processor when a malfunction occurs. F-61 Automatically displays on the tuner/sound processor when a malfunction occurs. To return to the normal display 1. For U-70 CD/U-70 DECK: - Press any operation button on the tuner/sound processor. - To re-display the code, switch the power off (POWER STANDBY button), and then switch power back on again. 2. For F-61: - If "F-61" is displayed, the power will automatically be switched off and the standby indicator will light up. "F-61" will be displayed for 3 seconds, and then the clock will be displayed. - To re-display the code, switch the power on. "F-61" will be re-displayed, and then after 3 seconds the clock will be displayed and the power will automatically switch off.	

Display contents

Display code	Problem or condition	Correction procedure
U-70 CD U-70 DECK (displayed automatically)	A bus-line communications error has occurred as a result of the flat cables being inserted incorrectly, thus preventing the system from operating. 1. If "U-70" is displayed on the tuner/sound processor, the tape deck or CD player cannot be operated by remote control.	 1. To check for correct insertion of the flat cables - Match each connector with the color (black/white) of the connection port and insert until you hear a click. - Insert the flat cables at the back of the unit in the order indicated. Make sure the white side of the cable is on your right side.  2. Breakage of flat cable (Check and replace as necessary.) 3. If the problem is not corrected by items (1.) and (2.) above, this indicates a faulty IC. ST-CH530: IC901 (M38197MA113F) SL-CH530: IC403 (LC66356B4F53) RS-CH730: IC701 (M37471M4264F) Check these IC's and replace as necessary.
F-61	When the power switch is switched on, it automatically switches back off, making it impossible to switch power on.	Faulty amplifier (SE-CH530) output IC (IC501). (When a DC voltage is applied to the speaker terminals.)

■ Operation Check and Main Component Replacement Procedures

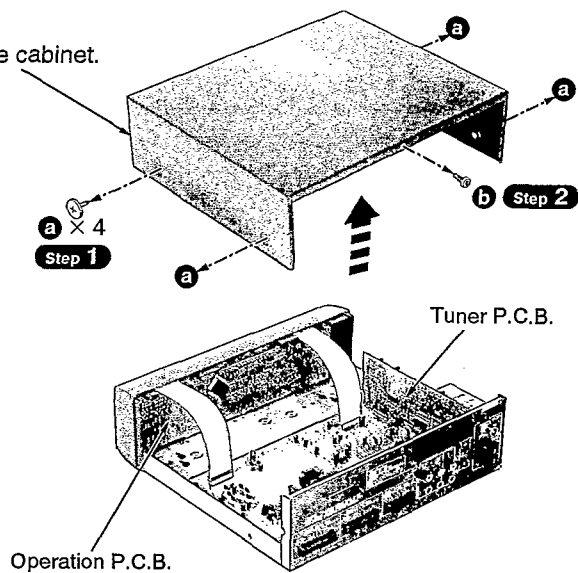
NOTE

1. This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
2. For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.
3. Illustrated screws are equivalent to actual size.

1. Checking for the tuner P.C.B. and operation P.C.B.

• Check the tuner P.C.B. and operation P.C.B. as shown below.

Step 3
Remove the cabinet.



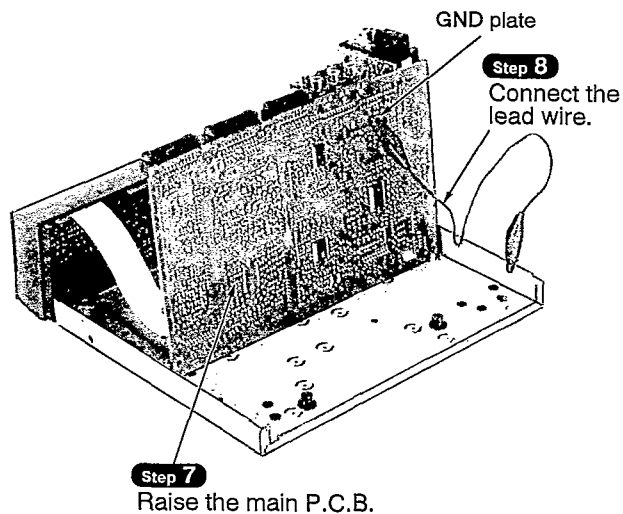
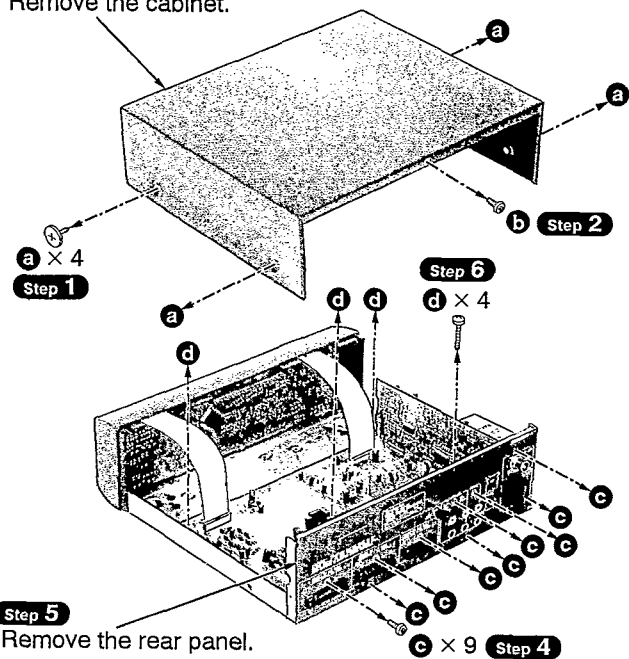
a (Black)
[RHD30007-K1]

b (Black)
[XTB3+8JFZ]

2. Checking for the main P.C.B.

• Check the main P.C.B. as shown below.

Step 3
Remove the cabinet.



a (Black)
[RHD30007-K1]

b (Black)
[XTB3+8JFZ]

c (Black)
[XTBS3+8JFZ1]

d (Black)
[XTB3+16JFZ]

■ To Supply Power Source

This unit ST-CH530 is designed to operate on power supplied from the Amplifier SE-CH530.

When operating the unit ST-CH530 alone for testing and servicing, without having power supplied from the Amplifier SE-CH530, use the following method.

Power Supply to Main Circuit

1. Short the section between the test points **TP602** and **TP610**, and as well as the section between the test points **A.GND** (J611) and **TP610**.
2. Connect the 3V AC power to pin 1 of the indicator module FL901 and the GND terminal to pin 57 of the same FL901 module.
3. Apply 11 V AC power to the section between the point **TP601** (AC) and the point **TP602** (CT) as well as the section between the point **TP603** (AC) and the point **TP602** (CT). This unit comes to stand-by mode.
4. Short the section between the jumper **J315** **TP611** and the point **D.GND** of the jumper **J608** **TP610** for a moment. The main circuit comes to power ON mode. (Whenever this operation is performed, power, ON/OFF mode is repeated.)

Power Supply to Tuner Circuit

1. Apply power source to the main circuit.
2. Connect the DC +12 V terminal to the jumper **J610** **TP608**, and the GND terminal to both the point **T.GND** of the jumper **J609** **TP609** and the point **D.GND** of the jumper **J608** **TP610** using the DC power supply tool.

Note: If the GND terminal of the DC power supply tool is connected to the point **D.GND** of the jumper **J608** **TP610**, an error occurs in measurement values for voltage and waveform.

To Check Signals

Connect the oscilloscope or the speaker with the built-in amplifier to the EXTERNAL (OUT) terminals and check if the signals are outputting from this unit.

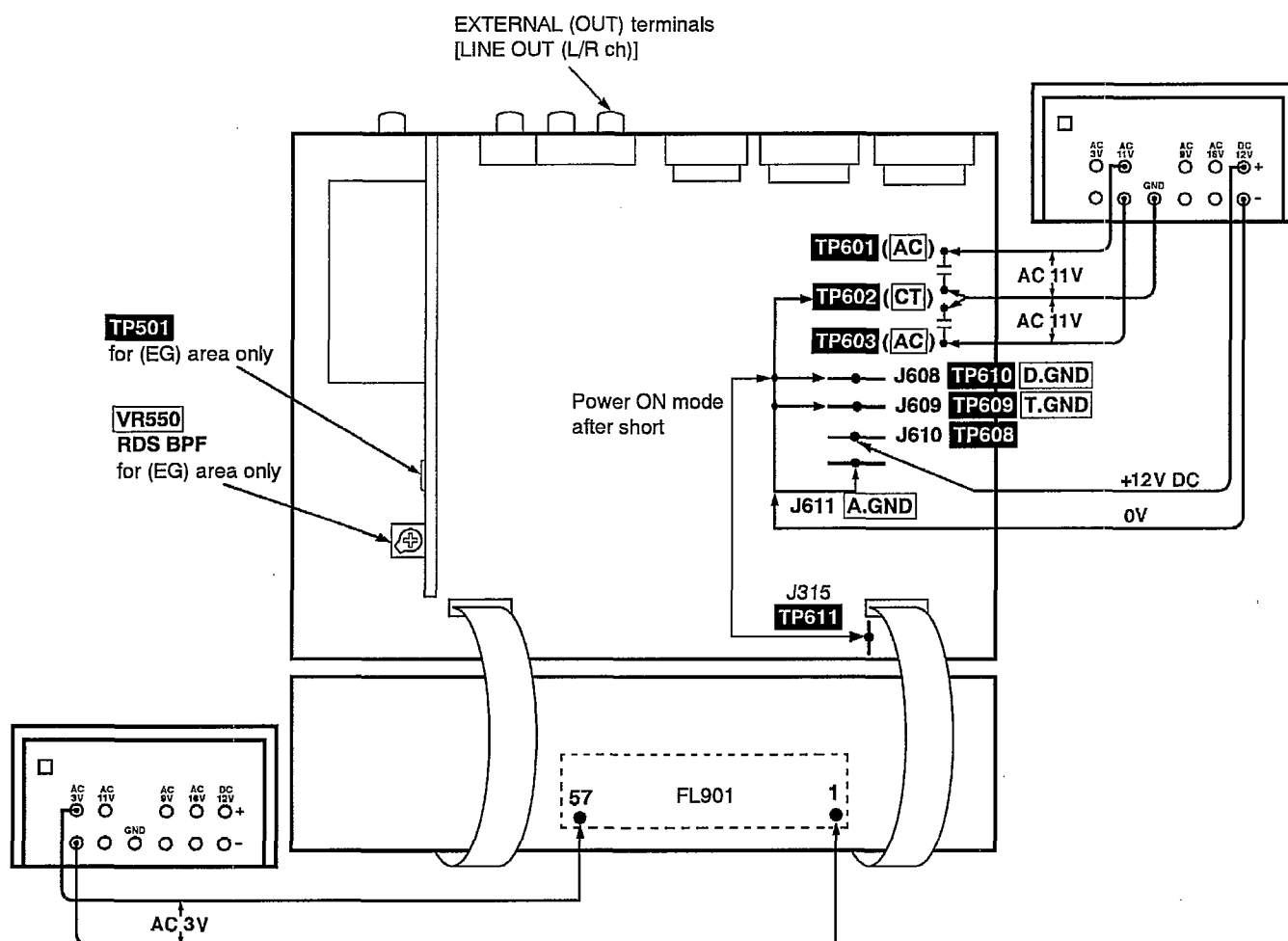


Fig. 1

■ Measurements and Adjustments [For (EG) area only]

Measuring Instruments and Special Tools

- FM signal generator (FM-SG)
- RDS modulator
- AC electronic voltmeter (AC EVM) *
(* Min. 0.3 mV measurable)
- 75 Ω coaxial cable

RDS (Radio Data System) BPF Adjustment

1. Test equipment connection is shown in Fig. 2.
2. Set the unit to "FM" mode.
3. Set the radio frequency display and signal generator to **100.10 MHz**.
4. Adjust **VR550** so that the **TP501** output is maximized.

FM Signal Generator Condition

Modulation	100%
Modulation frequency	1 kHz
RDS modulation	2.7%
Output level	60 dB

How to make simple adjustment without using a RDS modulator

1. Tuner into a FM broadcast with a RDS signal transmitted from a FM station whose electric field intensity is more than 50 dB.
2. Adjust **VR550** so that the **TP501** output is maximized.

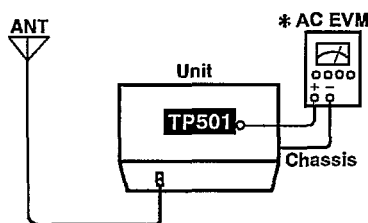


Fig. 3

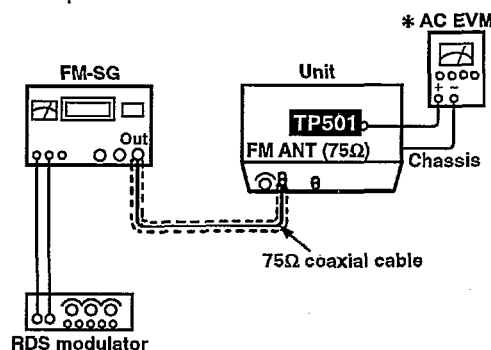


Fig. 2

Note: * Use the voltmeter measurable up to 0.3 mV at the minimum.

● What is RDS (Radio Data System)?

RDS is a multiplex broadcasting system which adds a variety of message signal to the audio signals of FM broadcasts. This unit can utilize the following signals among the various RDS signals.

RDS messages used by this unit

- **PS** (Program service name)
Name of the broadcast station
- **PTY** (Program type)
Identification signal for program types such as news and sport

Note

"PTY" may not be available in some areas.

Schematic Diagram

	Page
A TUNER CIRCUIT For (E, GC) areas.	8, 9
A TUNER CIRCUIT For (EG) area.	10~12
B OPERATION CIRCUIT	13, 14
C MAIN CIRCUIT	15~19

- This schematic diagram may be modified at any time with the development of new technology.

Notes:

- **S901**: FM switch (FM)
- **S902**: LW/MW select switch (LW/MW)...for (E) area
AM switch (AM)...for (EG) and (GC) areas
- **S903**: Tuning mode select switch (TUNING MODE)
- **S904**: Timer/clock switch (TIMER/CLOCK)
- **S905**: Set switch (SET)
- **S906**: Tuning/timer select switch (TUNING/TIMER V)
- **S907**: Tuning/timer select switch (TUNING/ TIMER ^)
- **S911**: PTY search switch (PTY SEARCH)...for (EG) area
- **S912**: PTY selector switch (PTY SEL)...for (EG) area
- **S913**: Display mode selector switch (DISP MODE)...for (EG) area
- **S915**: Karaoke mode select switch (KARAOKE)
- **S916**: Play timer switch (▶ PLAY)
- **S917**: Record timer switch (▶ REC)
- **S918**: Source input select switch (SELECTOR)
- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
- Voltage values and waveforms are measured as indicated in the schematic diagram when test points between **TP602** and **TP610**, and between **TP610** and **A.GND** are shorted.

No mark : FM mode () : AM (MW) mode < > : AM (LW) mode

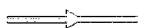
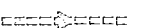
Important safety notice:

Components identified by  mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

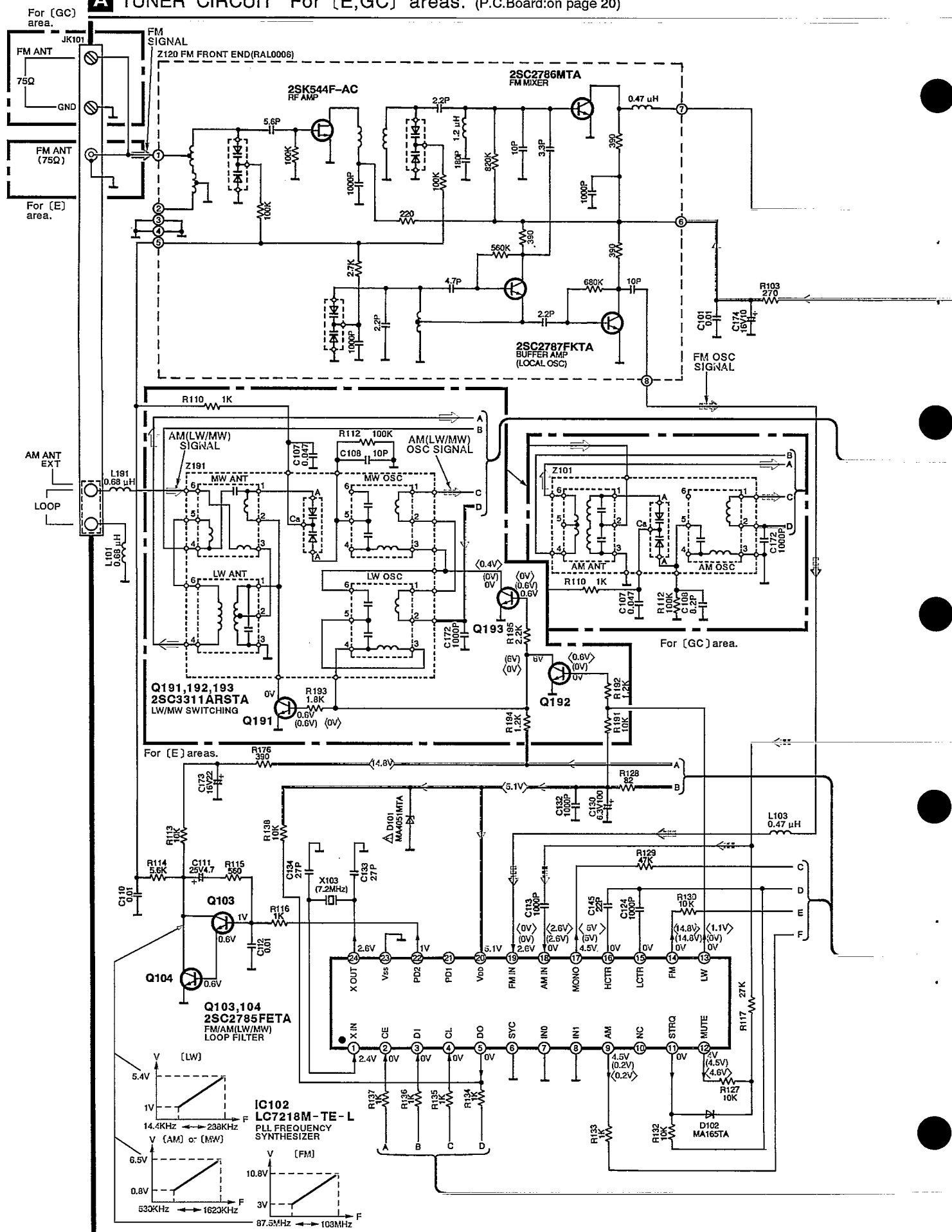
Caution!

IC and LSI are sensitive to static electricity.
Secondary trouble can be prevented by taking care during repair.
Cover the parts boxes made of plastics with aluminum foil.
Ground the soldering iron.
Put a conductive mat on the work table.
Do not touch the legs of IC or LSI with the fingers directly.

Voltage and signal line

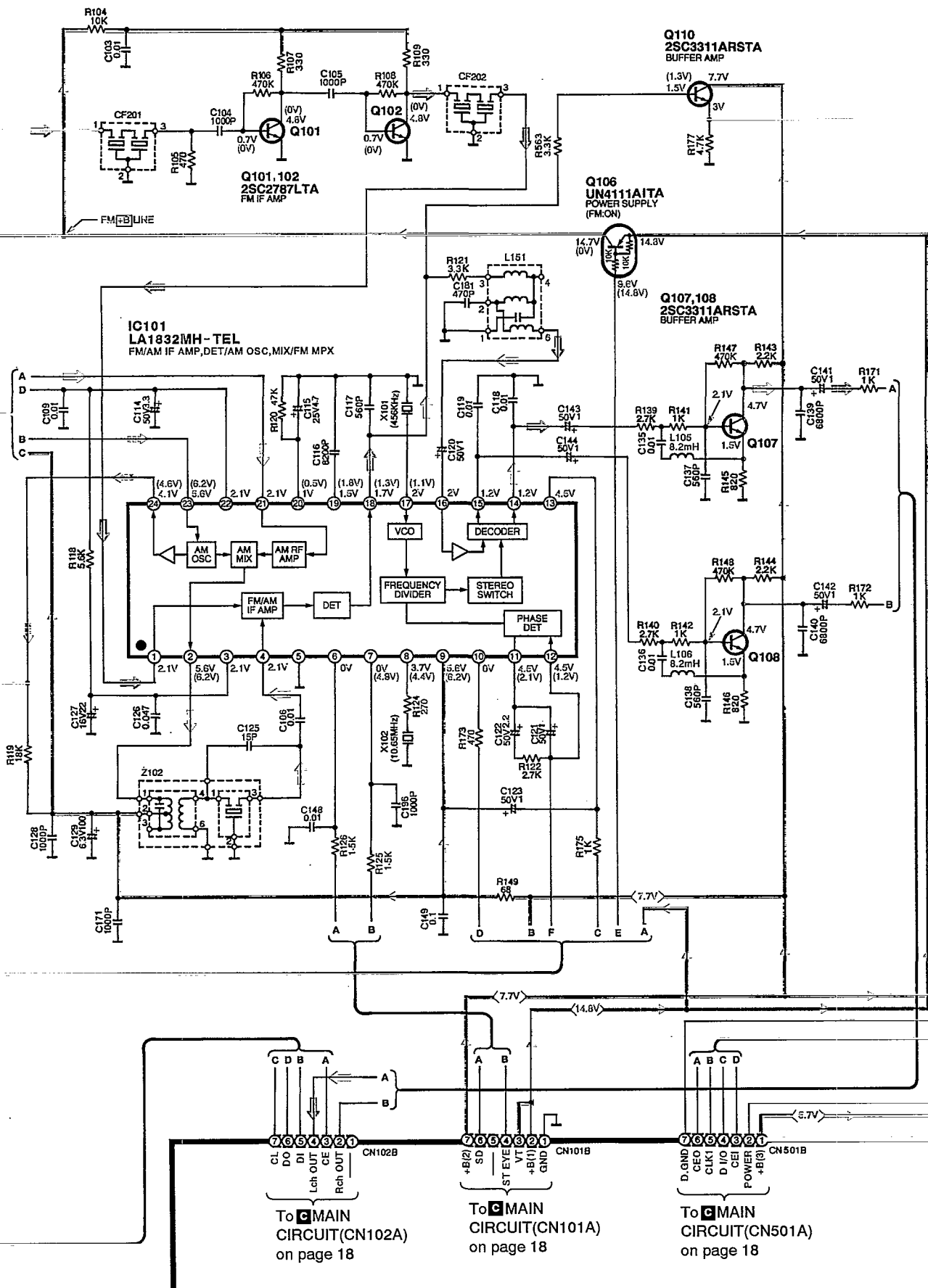
	: Positive voltage line		: Negative voltage line
	: FM signal line		: FM OSC signal line
	: AM (LW/MW) signal line		: AM (LW/MW) OSC signal line
	: REC OUT signal line		: MIC signal line

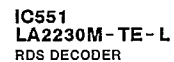
A TUNER CIRCUIT For [E,GC] areas. (P.C.Board: on page 20)





— : Positive voltage line — : FM signal line □□□ : FM OSC signal line
 — : AM (LW/MW) signal line □□□ : AM (LW/MW) OSC signal line





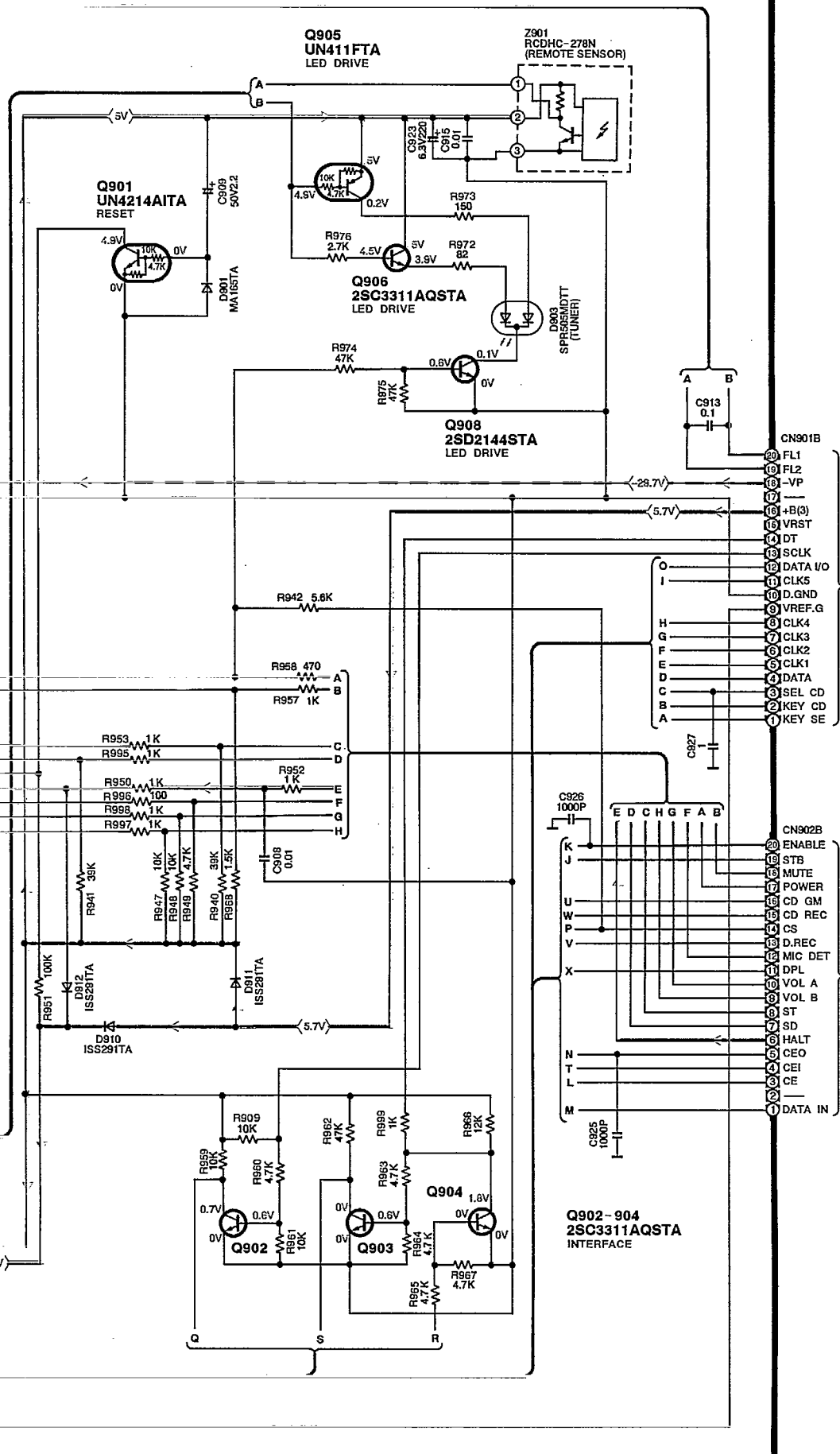


— : Positive voltage line

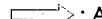
- - - : Negative voltage line

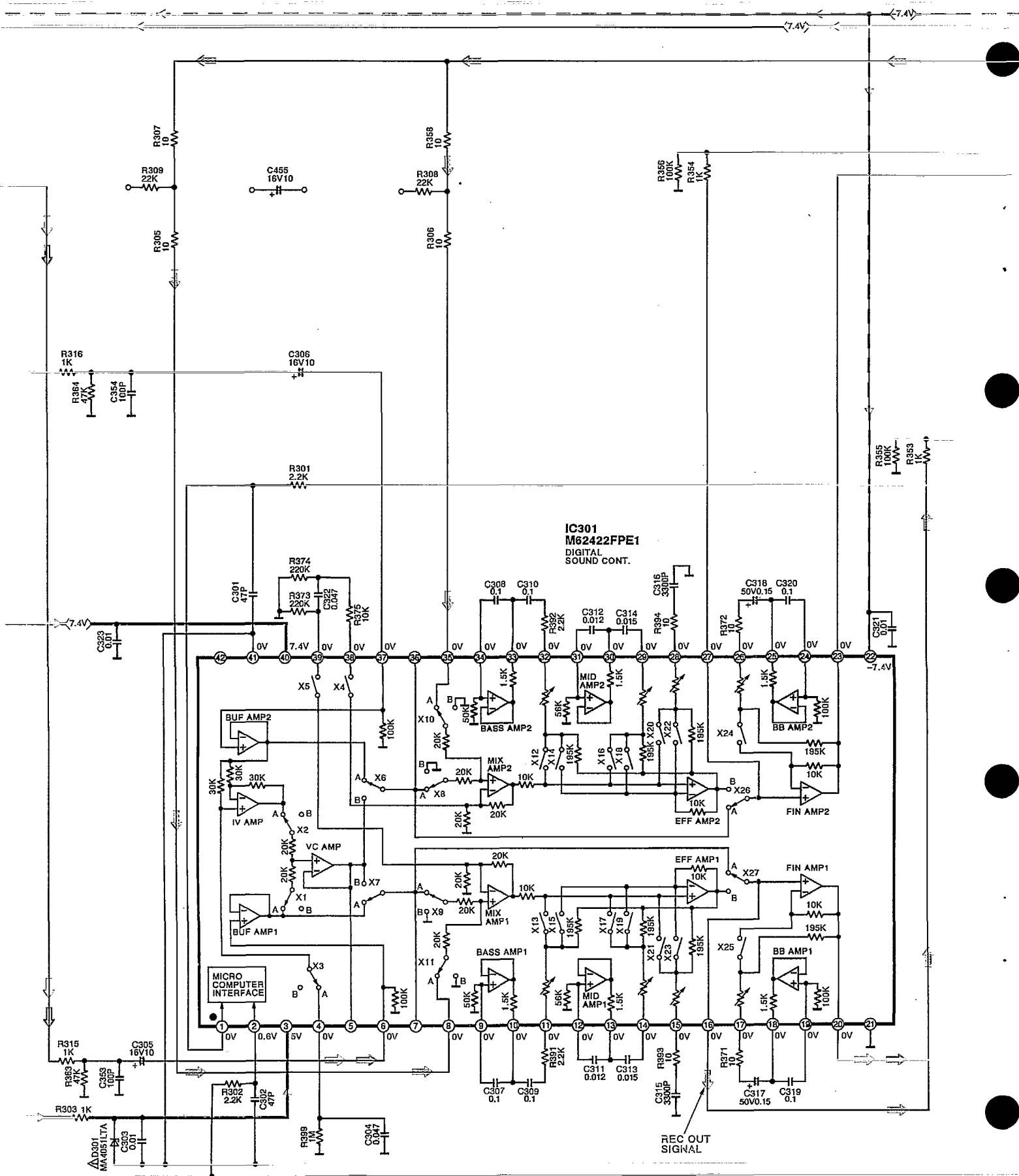
— : FM signal line

— : AM (LW/MW) signal line

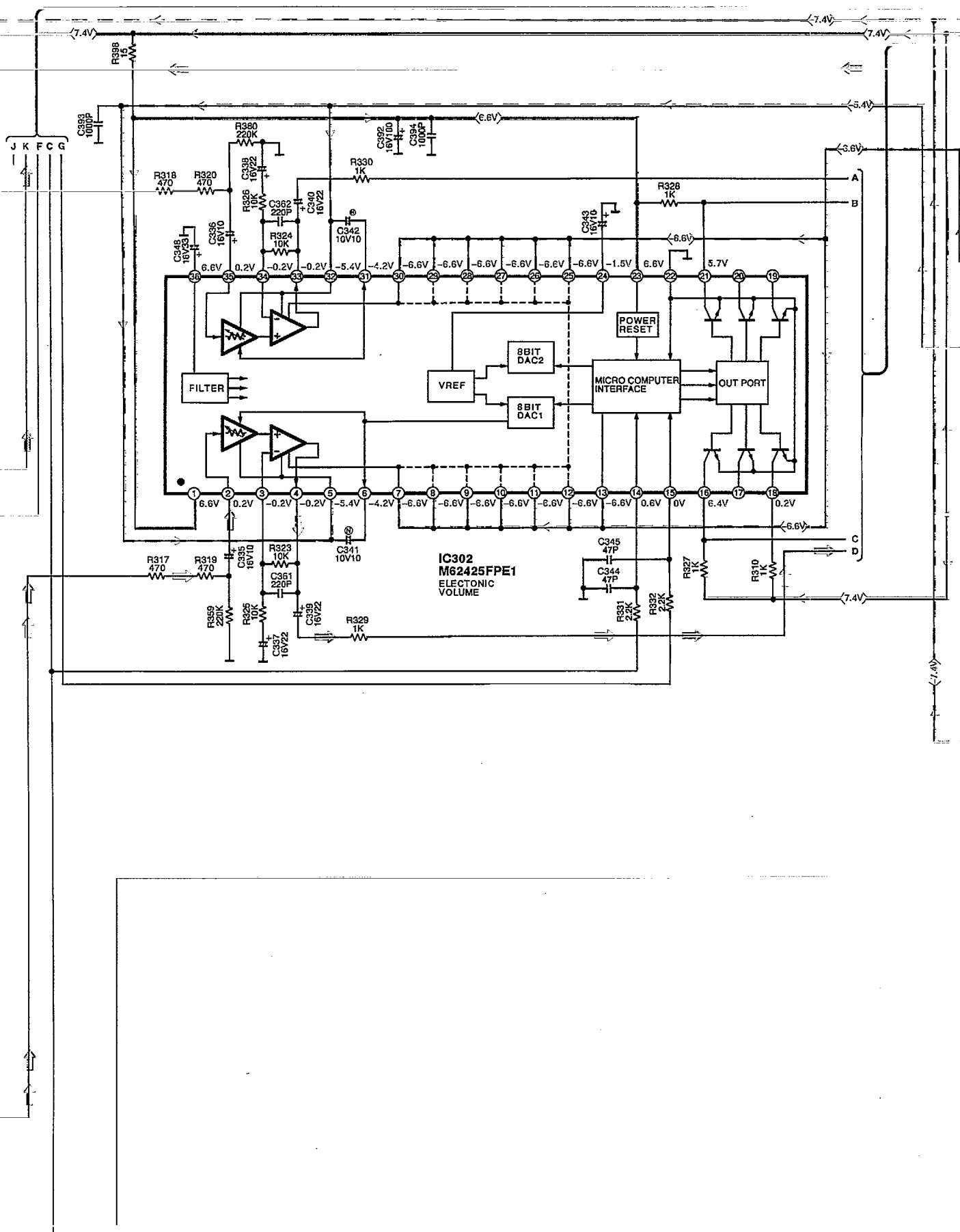
To **MAIN**
CIRCUIT
(CN901A)
on page 19To **MAIN**
CIRCUIT
(CN902A)
on page 18



 : Positive voltage line
  : Negative voltage line
  : FM signal line
 : AM (LW/MW) signal line
 : REC OUT signal line
 : MIC signal line



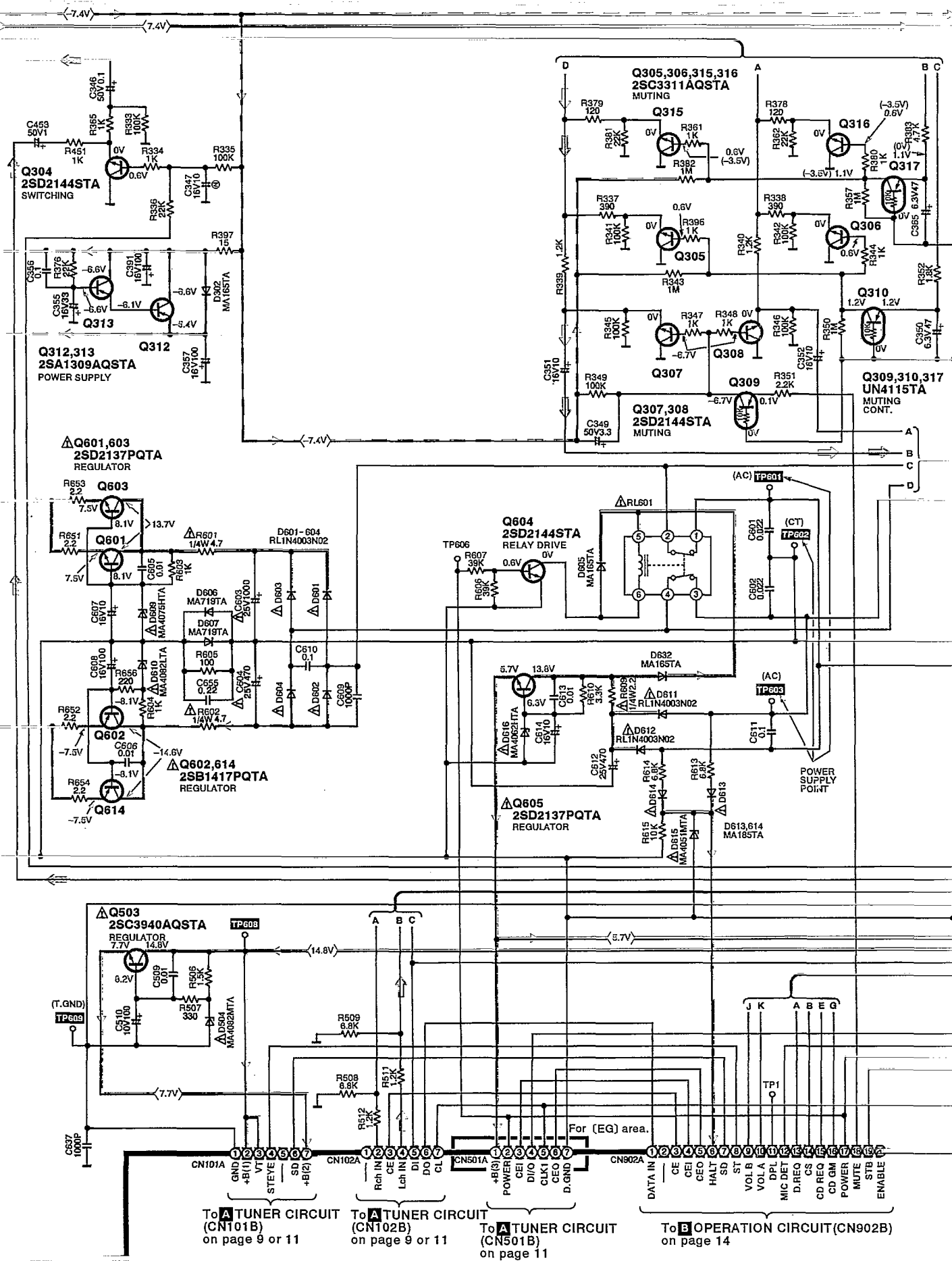
C MAIN CIRCUIT (P.C.Board: on page 21)

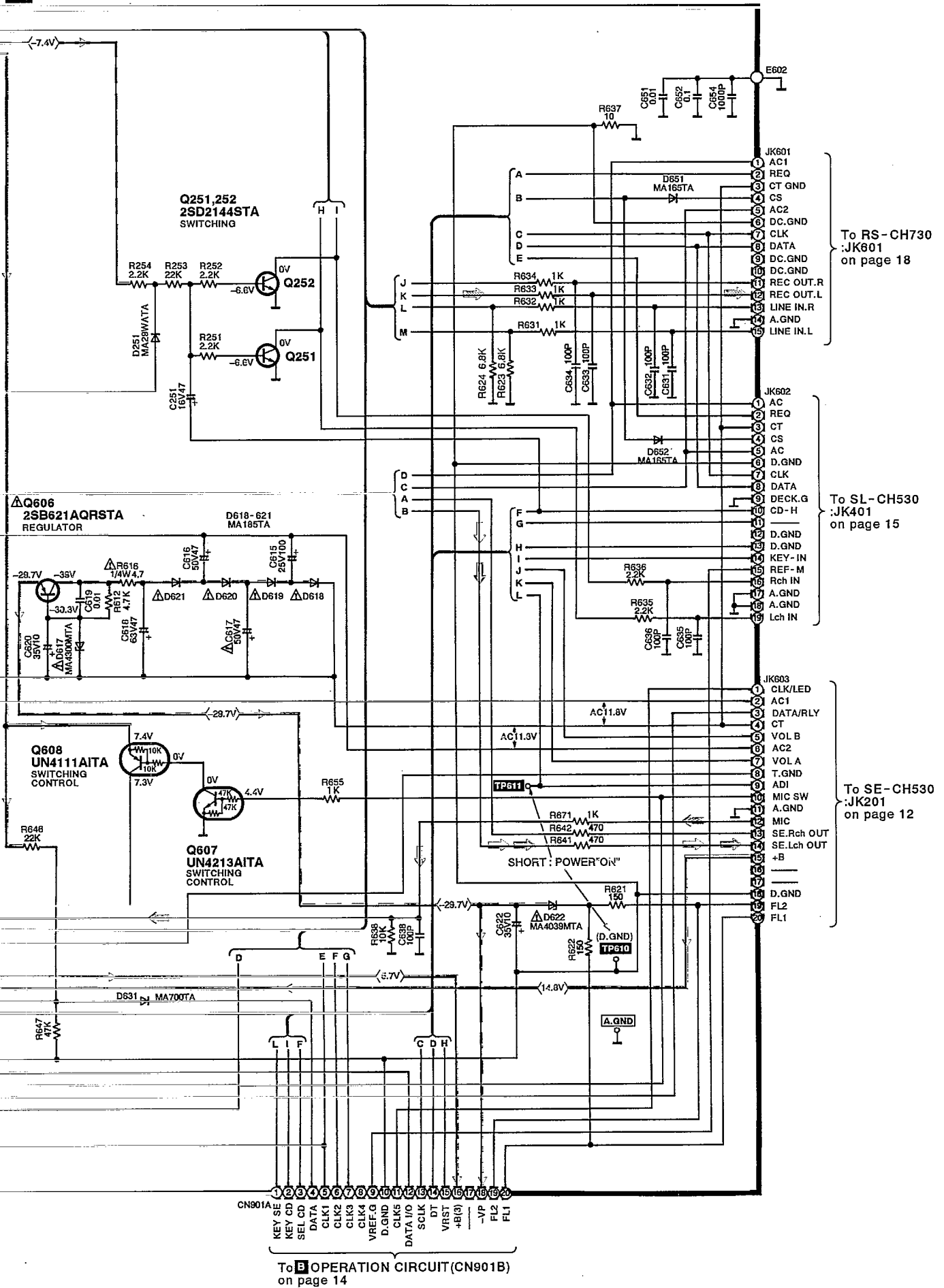


— : Positive voltage line
 — : AM (LW/MW) signal line

--- : Negative voltage line
 — : REC OUT signal line

— : FM signal line
 — : MIC signal line

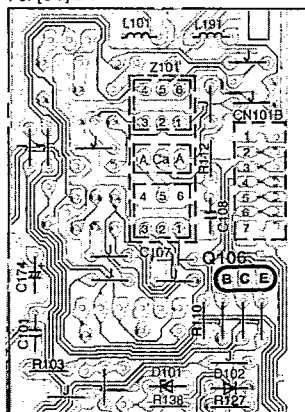


C MAIN CIRCUIT (P.C.Board: on page 21)

Printed Circuit Board Diagram

- This circuit board diagram may be modified at any time with the development of new technology.

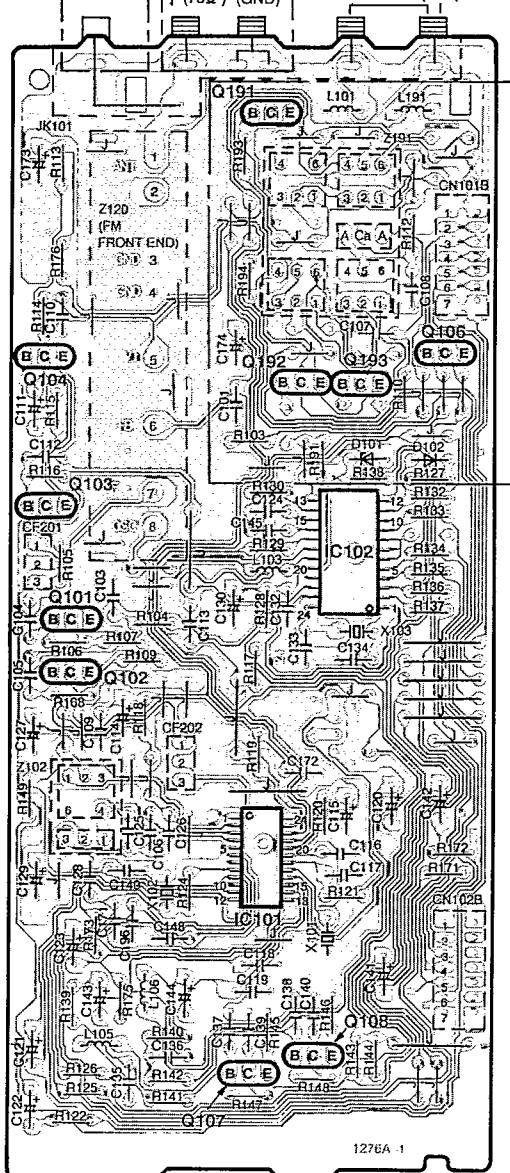
For [GC] area.



A TUNER P.C.B. (REP1930A-T...[E] / REP1930E-T...[GC])

For [E] area. For [GC] area.

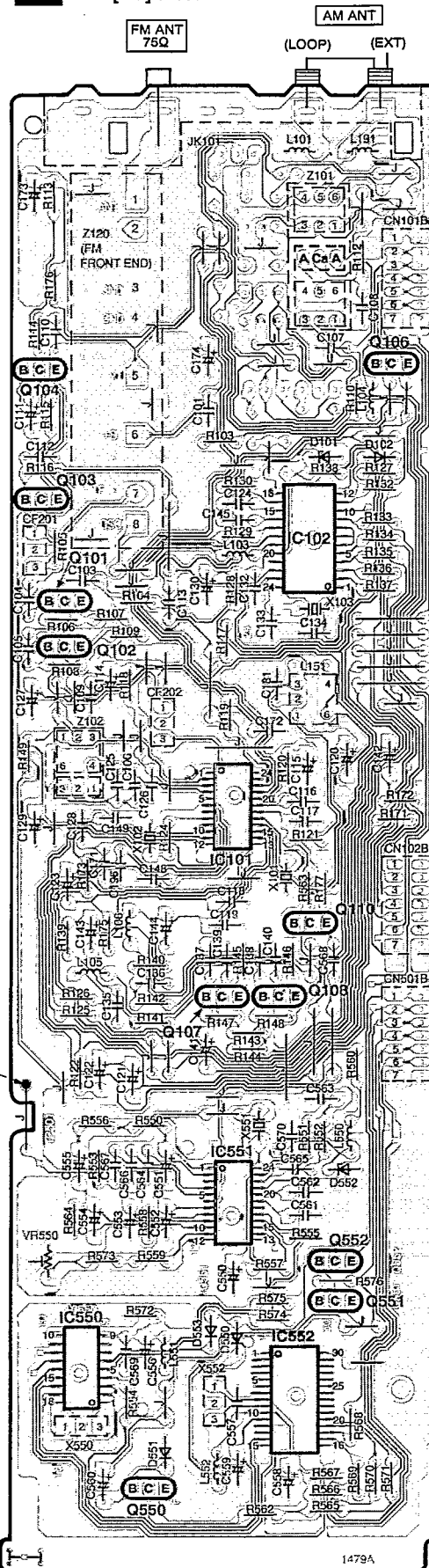
FM ANT 75Ω FM ANT (75Ω)-(GND) AM ANT (LOOP) (EXT)



1276A-1

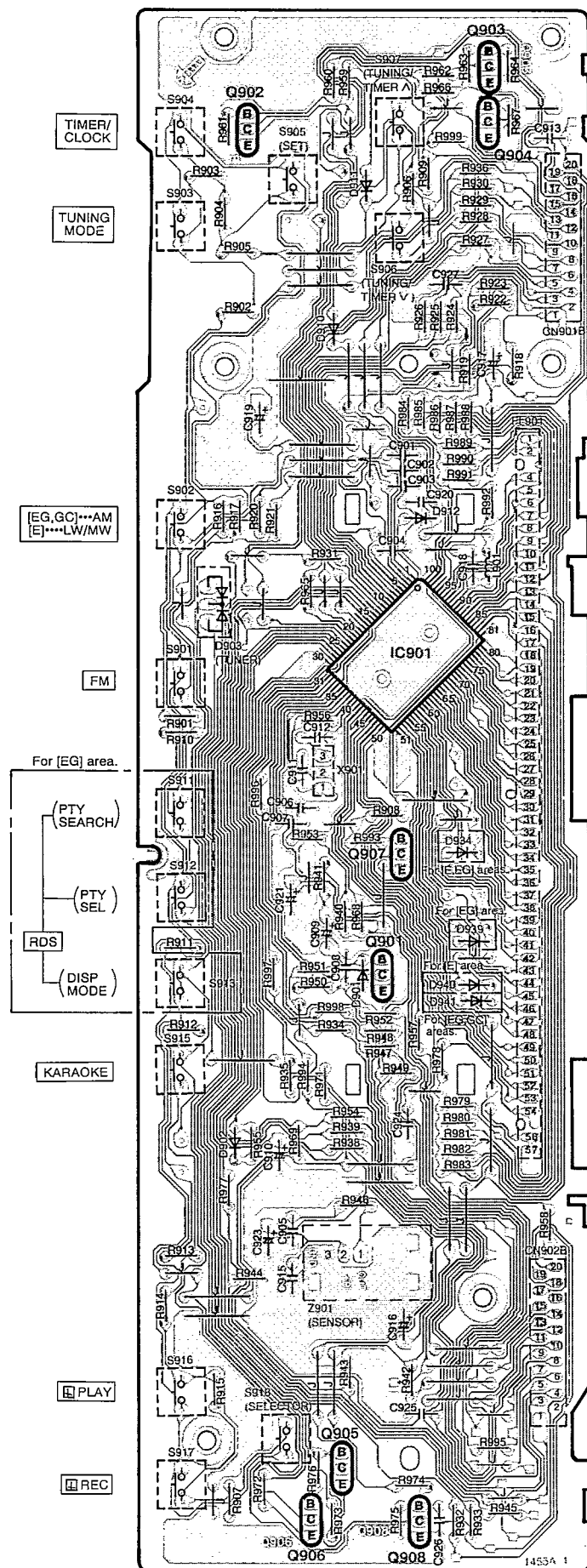
A TUNER P.C.B. (REP2151A-T)

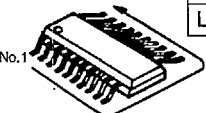
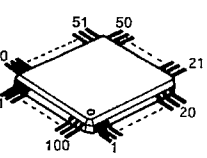
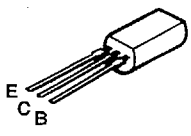
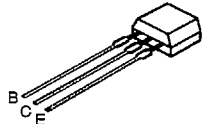
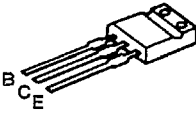
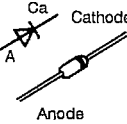
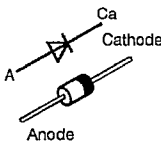
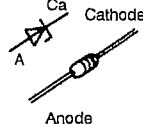
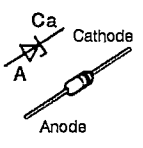
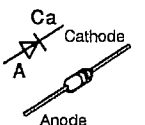
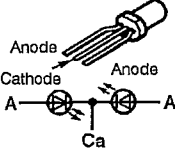
For [EG] area.



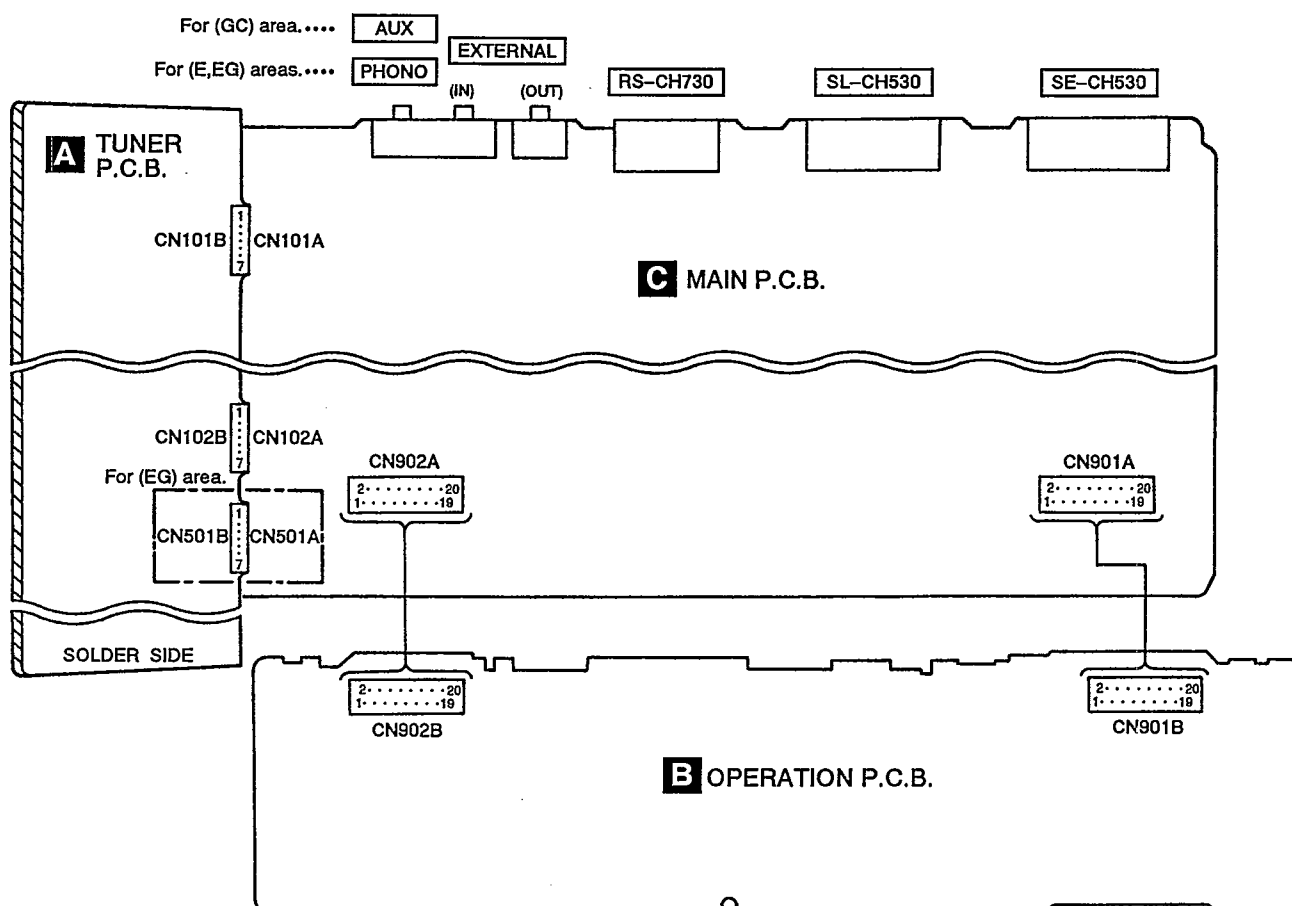


B OPERATION P.C.B. (REP2150A-S...[E]
REP2150B-S...[EG]
REP2150C-S...[GC])

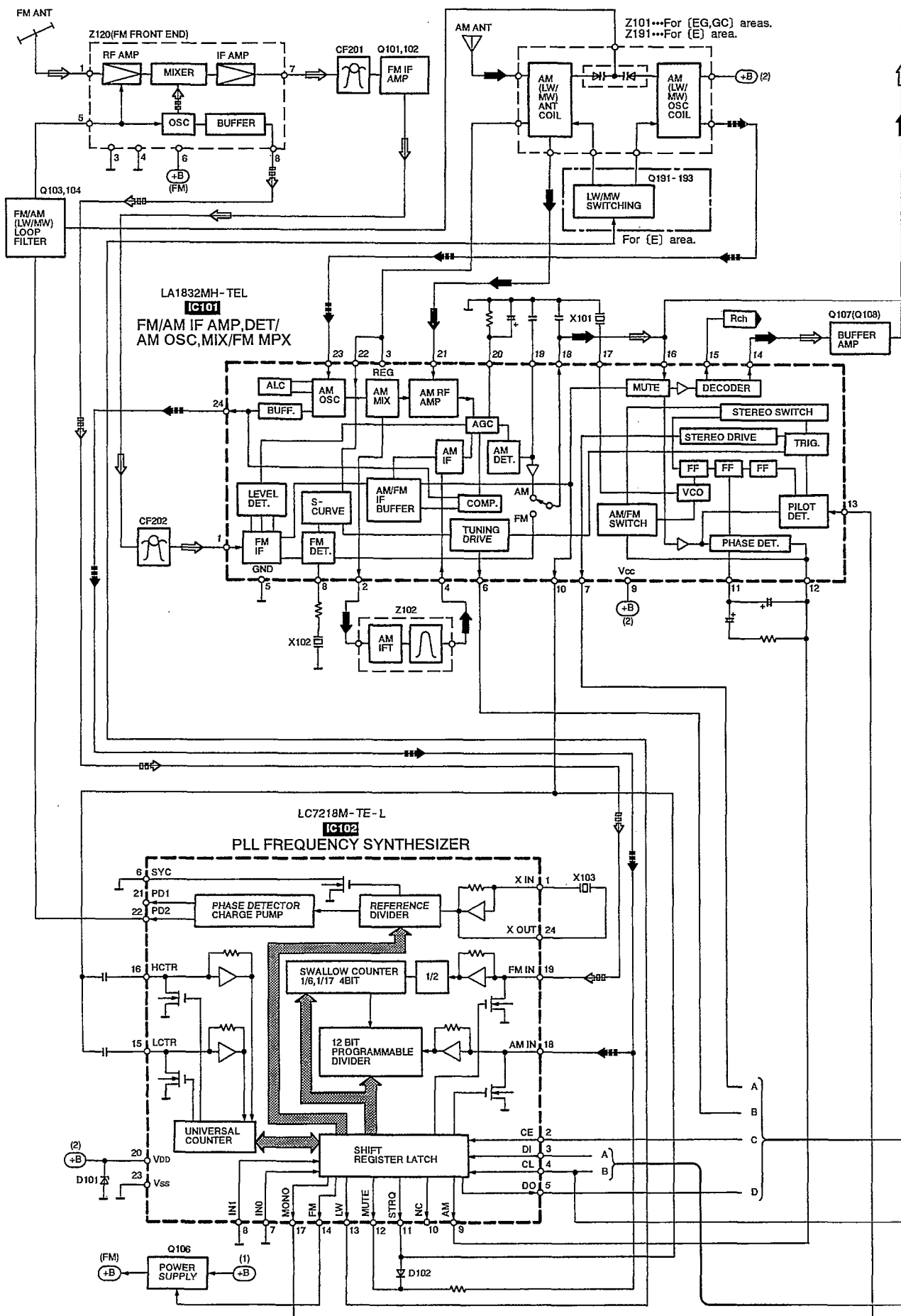


 No.1	M5219FPTA	8 Pin	LA1832MH-TEL	24 Pin		2SB621A-R	
	AN6558SFE2	8 Pin	LC7218M-TE-L	24 Pin			
	LC7073M-TLM	18 Pin	LC65104A4F75	30 Pin			
	LA2230M-TE-L	24 Pin	NJU7313AMT2	30 Pin			
			M62425FPE1	36 Pin			
		M62422FPE1	42 Pin				
2SD2144S	2SB1417PQTA 2SD2137PQTA			UN411FTA UN4111 UN4115 UN4119 UN4211 UN4213AITA UN4214TA		2SA1309A-R 2SC2785FE 2SC2787L 2SC3311A-Q 2SC3311ARSTA	MA165 MA700TA MA29WATA
							
							Anode
RL1N4003N02			MA4039MTA MA4051-L MA4051MTA MA4062-H MA4075HTA MA4082LTA MA4082MTA		1SS291TA MA185TA MA719TA		SPR505MDTT
							

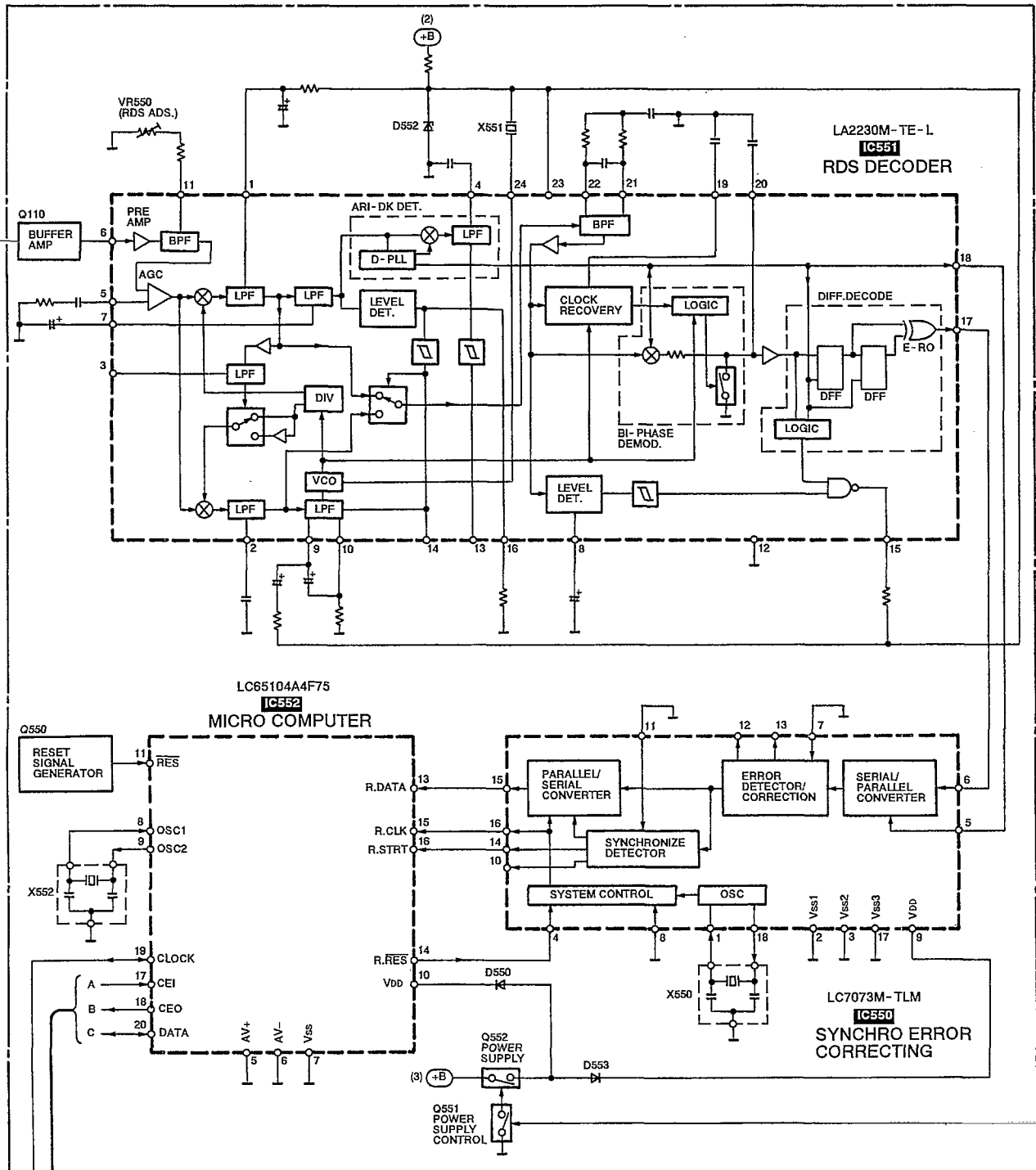
■ Wiring Connection Diagram

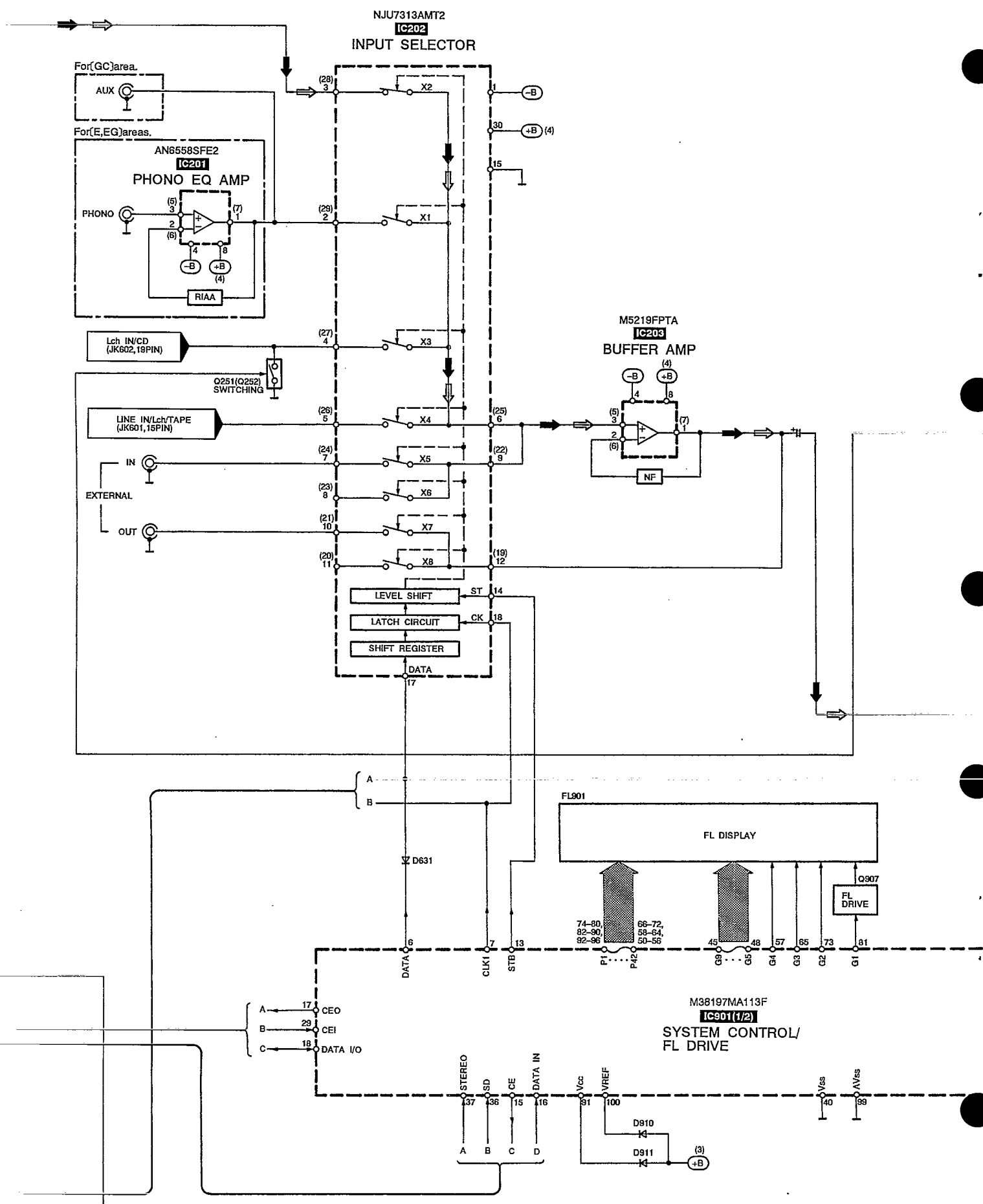


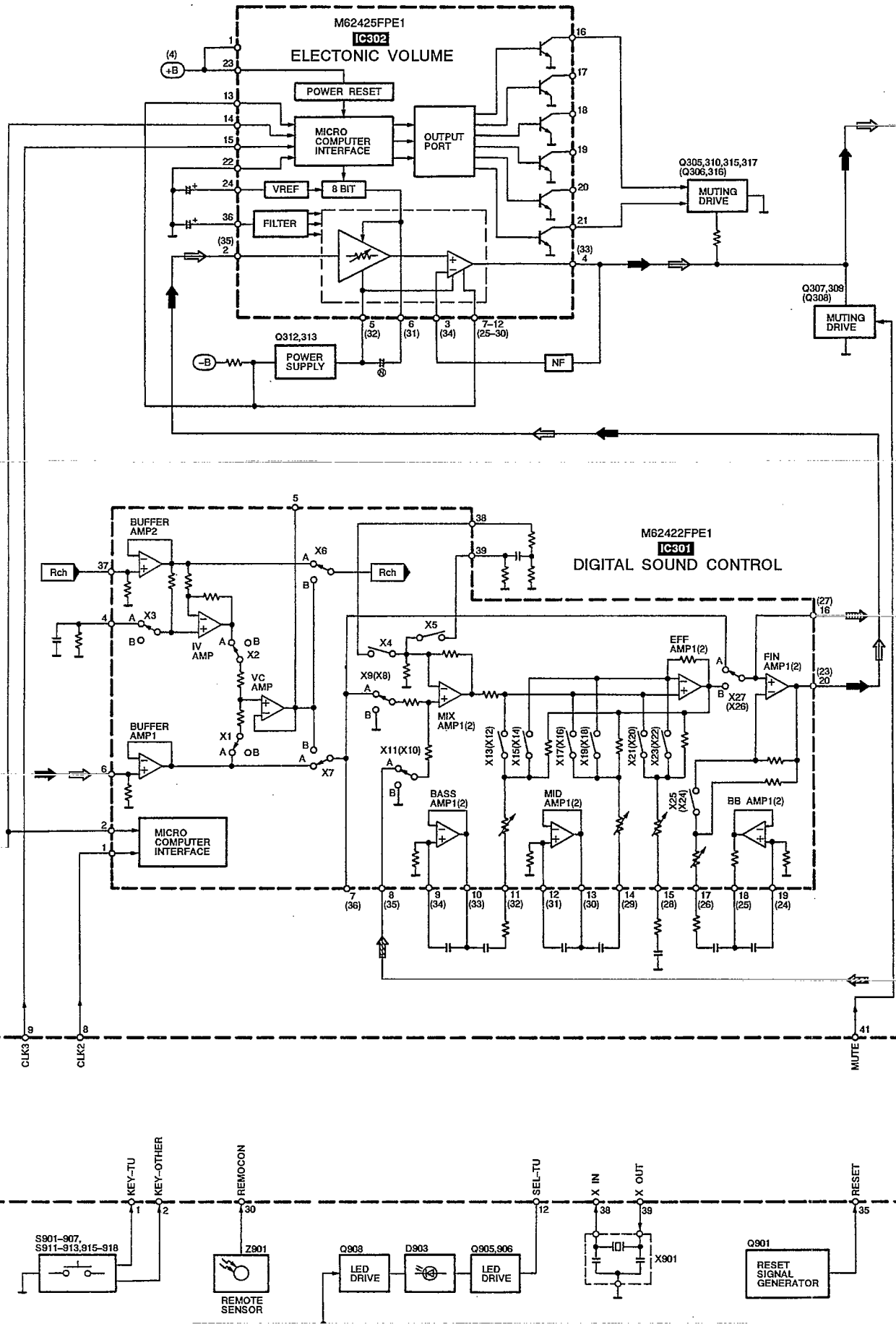
Block Diagram

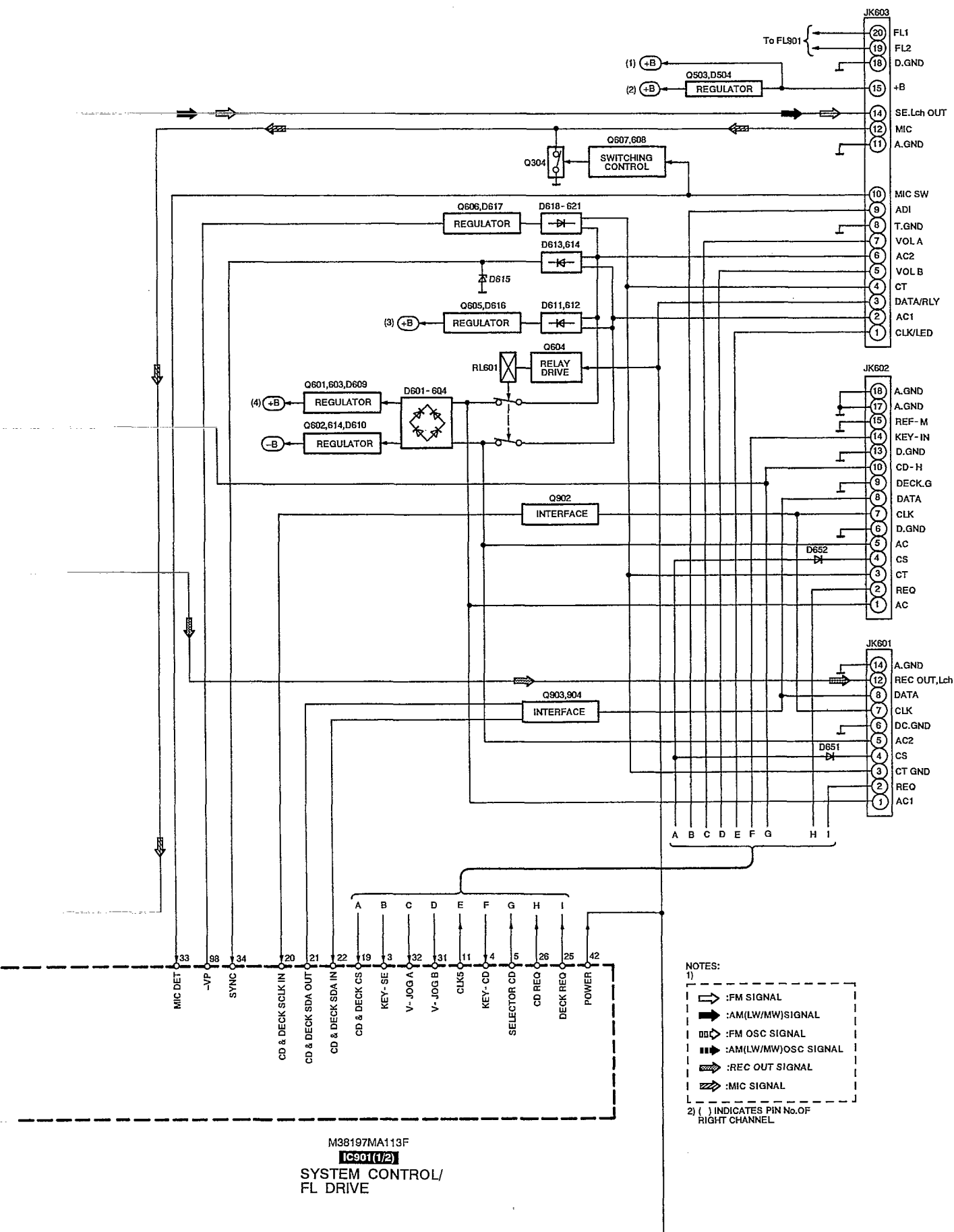


For (EG) area.









■ Function of IC Terminals

● IC901 (M38197MA113F)

Pin No.	Terminal Name	I/O	Function
1	KEY_TU	I	Tuner operation switch signal input
2	KEY_OTHER	I	Other operation switch signal input
3	KEY_SE	I	SE-CH530 operation switch signal input
4	KEY_CD	I	SL-CH530 operation switch signal input
5	SELECTOR	O	SL-CH530 power control signal output
6	DATA	O	Data output for NJU7313, M62422, M62425, LC7218, LA2785, LV1011 and BU2040
7	CLK1	O	Clock output for NJU7313, LC7218, LA2785, LV1011 and LC65104
8	CLK2	O	Clock output for M62422 (sound controller)
9	CLK3	O	Clock output for M62425 (main volume)
10	CLK4	O	Not used
11	CLK5	O	LED (D601, D602) (SE-CH530) drive signal output
12	SEL_TU	O	LED (D903-TUNER ON) drive signal output
13	STB	O	STB signal output for NJU7313
14	ENABLE	O	Enable signal output for LA2785 and LV1011
15	CE	O	Chip enable signal output for LC7218
16	DATA IN	I	Data input for LC7218
17	CEO	O	Serial data output terminal for (EG) area only
18	DATA I/O	I/O	Serial data input/output terminal for (EG) area only
19	CD & DECK CS	I	Serial data communication starting signal input
20	CD & DECK SCLK IN	I	Serial clock input
21	CD & DECK SDA OUT	O	Serial data output
22	CD & DECK SDA IN	I	Serial data input
23	V RST	—	Not used
24	CDGM	—	Not used
25	DECK REQ	O	RS-CH730 request signal output
26	CD REQ	O	SL-CH530 request signal output
27	CHECK	I/O	Clock check signal
28	CR TIMER	I/O	Capacitor and resistor oscillation terminal
29	CEI	I	Serial data input terminal for (EG) area only
30	REMOCON	I	Remote control signal input
31	V_JOGB	I	Volume control signal input
32	V-JOGA	I	

Pin No.	Terminal Name	I/O	Function
33	MIC DET	I	Microphone connecting detect signal input
34	SYNC	I	AC power source input terminal
35	RESET	I	Reset signal input
36	SD	I	SD signal input for tuner circuit
37	STEREO	I	STEREO signal input for tuner circuit
38	XIN	I	Connected to the ceramic oscillator
39	XOUT	O	
40	Vss	—	GND terminal
41	MUTE	O	Muting signal output
42	POWER	O	Power control signal output
43	TU_JOGB	I	Not used
44	TU_JOGA	I	
45~49	G9 ~ G5	O	Grid signal output
50~56	P42 ~ P36	O	Segment signal output
57	G4	O	Grid signal output
58~64	P35 ~ P29	O	Segment signal output
65	G3	O	Grid signal output
66~72	P28 ~ P22	O	Segment signal output
73	G2	O	Grid signal output
74~80	P21 ~ P15	O	Segment signal output
81	G1	O	Grid signal output
82~90	P14 ~ P6	O	Segment signal output
91	VCC	—	Power supply (+5V)
92~96	P5 ~ P1	O	Segment signal output
97	CS	I	Scan signal input
98	-VP	—	Negative power supply
99	AVSS	—	Connect to GND
100	VREF	—	Reference voltage input

● IC552 (LC65104A4F75) for (EG) area only

Pin No.	Terminal Name	I/O	Function
1	PB0	—	Not used
2	PB1	—	Not used
3	PB2	—	Not used
4	PB3	—	Not used
5	AV +	—	Not used
6	AV -	—	Not used
7	VSS	—	GND terminal
8	OSC1	I	Oscillating terminal (f = 4 MHz)
9	OSC2	O	Oscillating terminal (f = 4 MHz)
10	VDD	—	+5 V
11	/RES	I	Reset signal input
12	TEST	—	Not used
13	R. DATA	I	RDS data signal input
14	/R. RST	O	RDS reset signal output
15	R. CLK	I	RDS clock signal input
16	R. STRT	I	RDS start signal input
17	CEI	I	Serial data input detection terminal
18	CEO	O	Serial data output detection terminal
19	CLK	I/O	Serial clock input/output terminal
20	DATA	I/O	Serial data input/output terminal
21	PD0	—	Not used
22	PD1	—	Not used
23	PD2	—	Not used
24	PD3	—	Not used
25	PE0	—	Not used
26	PE1	—	Not used
27	SSL	—	Not used
28	PA1	—	Not used
29	PA2	—	Not used
30	PA3	—	Not used

Replacement Parts List

Notes: *Important safety notice:

Components identified by Δ mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.

When replacing any of components, be sure to use only manufacture's specified parts shown in the parts list.

*The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)

Parts without these indications can be used for all areas.

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		INTEGRATED CIRCUIT(S)		Q902-904	2SC3311A-Q	TRANSISTOR	
				Q905	UN411FTA	TRANSISTOR	
				Q906	2SC3311A-Q	TRANSISTOR	
IC101	LA1832MH-TEL	IC, FM/AM IF AMP.		Q907	UN4119	TRANSISTOR	
IC102	LC7218M-TE-L	IC, PLL FREQ. SYNTHESIZER		Q908	2SD2144S	TRANSISTOR	
IC201	AN6558SFE2	IC, PHONO EQ AMP.	(E, EG)				
IC202	NJU7313AMT2	IC, INPUT SELECTOR				DIODE(S)	
IC203	M5219FPTA	IC, BUFFER AMP					
IC301	M62422FPE1	IC, DIGITAL SOUND CONT		D101	MA4051MTA	DIODE	Δ
IC302	M62425FPE1	IC, ELECTRONIC VOLUME		D102	MA165	DIODE	
IC550	LC7073M-TLM	IC, SYNCHRO ERROR CORRECTION	(EG)	D251	MA29WATA	DIODE	
IC551	LA2230M-TE-L	IC, RDS DECODER	(EG)	D301	MA4051-L	DIODE	Δ
IC552	LC65104AAF75	IC, MICRO COMPUTER	(EG)	D302	MA165	DIODE	
IC901	M38197MA113F	IC, SYSTEM CONTROL/FL DRIVE		D504	MA4082MTA	DIODE	Δ
		TRANSISTOR(S)		D550	MA165	DIODE	(EG)
				D551	MA165	DIODE	(EG)
				D552	MA4051MTA	DIODE	(EG) Δ
Q101, 102	2SC2787L	TRANSISTOR		D553	MA165	DIODE	(EG)
Q103, 104	2SC2785FE	TRANSISTOR		D601-604	RL1N4003N02	DIODE	Δ
Q106	UN411FTA	TRANSISTOR	(E, GC)	D605	MA165	DIODE	
Q106	UN4111AITA	TRANSISTOR	(EG)	D606, 607	MA719TA	DIODE	
Q107, 108	2SC3311ARSTA	TRANSISTOR		D609	MA4075HTA	DIODE	Δ
Q110	2SC3311ARSTA	TRANSISTOR	(EG)	D610	MA4082LTA	DIODE	Δ
Q191-193	2SC3311ARSTA	TRANSISTOR	(E)	D611, 612	RL1N4003N02	DIODE	Δ
Q251, 252	2SD2144S	TRANSISTOR		D613, 614	MA185TA	DIODE	Δ
Q304	2SD2144S	TRANSISTOR		D615	MA4051MTA	DIODE	Δ
Q305, 306	2SC3311A-Q	TRANSISTOR		D616	MA4062-H	DIODE	Δ
Q307, 308	2SD2144S	TRANSISTOR		D617	MA4300M	DIODE	Δ
Q309, 310	UN4115	TRANSISTOR		D618-621	MA185TA	DIODE	Δ
Q312, 313	2SA1309A-R	TRANSISTOR		D622	MA4039MTA	DIODE	Δ
Q315, 316	2SC3311A-Q	TRANSISTOR		D631	MA700TA	DIODE	
Q317	UN4115	TRANSISTOR		D632	MA165	DIODE	
Q503	2SC3940AQSTA	TRANSISTOR	Δ	D651, 652	MA165	DIODE	
Q550	UN4211	TRANSISTOR	(EG)	D901, 902	MA165	DIODE	
Q551	UN4211	TRANSISTOR	(EG)	D903	SPR505MDTT	LED	
Q552	UN4111	TRANSISTOR	(EG)	D910-912	1SS291TA	DIODE	
Q601	2SD2137PQTA	TRANSISTOR	Δ	D934	MA165	DIODE	(E, EG)
Q602	2SB1417PQTA	TRANSISTOR	Δ	D939	MA165	DIODE	(EG)
Q603	2SD2137PQTA	TRANSISTOR	Δ	D940	MA165	DIODE	(E)
Q604	2SD2144S	TRANSISTOR		D941	MA165	DIODE	(EG, GC)
Q605	2SD2137PQTA	TRANSISTOR	Δ				
Q606	2SB621A-R	TRANSISTOR	Δ			COMPONENT COMBINATION(S)	
Q607	UN4213AITA	TRANSISTOR					
Q608	UN4111	TRANSISTOR		Z101	RLA22002M-T	COMPONENT COMBINATION	(EG, GC)
Q614	2SB1417PQTA	TRANSISTOR	Δ	Z102	RLI22006M-T	COMPONENT COMBINATION	
Q901	UN4214TA	TRANSISTOR		Z120	RAL0006	FM FRONT END	(E, GC)

Ref. No.	Part No.	Part Name & Description	Remarks
Z120	RAL0019	FM FRONT END	(EG)
Z191	RLA6Z005M-T	COMPONENT COMBINATION	(E)
Z901	RCDHC-278N	REMOTE SENSOR	
		COIL (S)	
L101	ELESNR68MA	COIL	
L103	ELEXTR47MA9	COIL	
L104	ELEXT1R0KA9	COIL	(EG)
L105, 106	ELELN822KL	COIL	
L151	SLM1B10M-1M	COIL	(EG)
L191	ELESNR68MA	COIL	
L550	ELEXT101KA9	COIL	(EG)
L551	ELEXT101KA9	COIL	(EG)
L552	ELEXT101KA9	COIL	(EG)
L901	RLQA100JT-Y	COIL	
		FILTER(S)	
CF201, 202	RLFFETWND01M	CERAMIC FILTER	(E, GC)
CF201, 202	RLFFETMGD01L	CERAMIC FILTER	(EG)
		OSCILLATOR(S)	
X101	RSXZ456KM07M	OSCILLATOR (456KHz)	
X102	RLFDGT05DD	OSCILLATOR (10. 65MHz)	
X103	RSXC7M20S05T	OSCILLATOR (7. 2MHz)	
X550	RVCST4R00MT	OSCILLATOR (4MHz)	(EG)
X551	RSXZ456KM07M	OSCILLATOR (456KHz)	(EG)
X552	RVCST4R00MT	OSCILLATOR (4MHz)	(EG)
X901	RSXC4M19S02T	OSCILLATOR (4. 19MHz)	
		DISPLAY TUBE	
FL901	RSL0206-F	DISPLAY TUBE	
		SWITCH(ES)	
S901	EVQ21405R	SW, FM	
S902	EVQ21405R	SW, AM(MW/LW)	
S903	EVQ21405R	SW, TUNING MODE	
S904	EVQ21405R	SW, TIMER CLOCK	
S905	EVQ21405R	SW, SET	
S906	EVQ21405R	SW, TUNING/TIMER DOWN	
S907	EVQ21405R	SW, TUNING/TIMER UP	
S911	EVQ21405R	SW, PTY SEARCH	(EG)
S912	EVQ21405R	SW, PTY SEL	(EG)
S913	EVQ21405R	SW, DISP MODE	(EG)
S915	EVQ21405R	SW, KARAOKE	
S916	EVQ21405R	SW, PLAY	
S917	EVQ21405R	SW, REC	
S918	EVQ21405R	SW, SELECTOR INC	

Ref. No.	Part No.	Part Name & Description	Remarks
		CONNECTOR(S)	
CN101A	RJT057W007-1	CONNECTOR (7P)	
CN101B	RJU057W007	SOCKET (7P)	
CN102A	RJT057W007-1	CONNECTOR (7P)	
CN102B	RJU057W007	SOCKET (7P)	
CN501A	RJT057W007-1	CONNECTOR (7P)	(EG)
CN501B	RJU057W007	SOCKET (7P)	(EG)
CN901A	RJSIA6820	CONNECTOR (20P)	
CN902A	RJSIA6820	CONNECTOR (20P)	
CN901B	RJSIA6820	CONNECTOR (20P)	
CN902B	RJSIA6820	CONNECTOR (20P)	
		EARTH TERMINAL (S)	
E601, 602	SNE1004-2	GND PLATE	
		RELAY	
RL601	RSY0017M-0	RELAY	△
		JACK(S)	
JK101	RJH5404M	EXT ANT	(GC)
JK101	RJH5210M	EXT ANT	(E, EG)
JK201	SJF3068-7N	EXT OUT	
JK202	SJF3069-5N	EXT IN/PHONO (AUX)	
JK601	RJT065K15	CONNECTOR (15P)	
JK602	RJT065K19	CONNECTOR (19P)	
JK603	RJT065K20	CONNECTOR (20P)	
		VARIABLE RESISTOR	
VR550	EVNDCBA03B53	VARIABLE RESISTOR RDS ADJ.	(EG)

Notes : * Capacity values are in microfarads (uF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)
 * Resistance values are in ohms, unless specified otherwise, 1K=1,000(OHM) , 1M=1,000k(OHM)

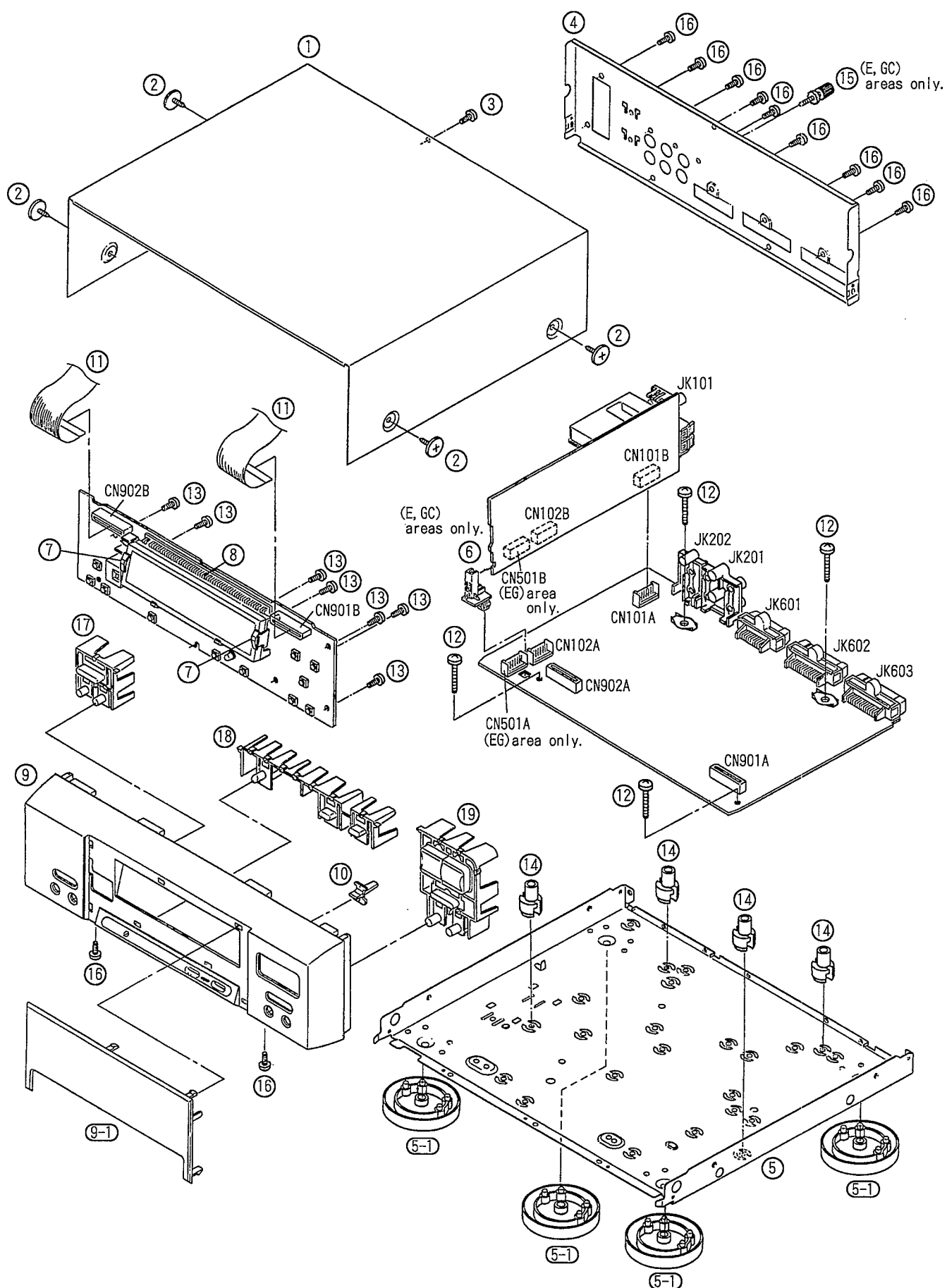
Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks
		RESISTORS	R193	ERDS2TJ182	1/4W 1.8K (E)	R350	ERDS2TJ105T	1/4W 1M
			R194	ERDS2TJ122	1/4W 1.2K (E)	R351	ERDS2TJ222	1/4W 2.2K
			R195	ERDS2TJ222	1/4W 2.2K (E)	R352	ERDS2TJ182	1/4W 1.8K
R103	ERDS2TJ271	1/4W 270 (E, GC)	R201, 202	ERDS2TJ102	1/4W 1K (E, EG)	R353, 354	ERDS2TJ102	1/4W 1K
R103	ERDS2TJ101T	1/4W 100 (EG)	R201, 202	ERDS2TJ752T	1/4W 7.5K (GC)	R355, 356	ERDS2TJ104	1/4W 100K
R104	ERDS2TJ822	1/4W 8.2K (E, GC)	R203, 204	ERDS2TJ473	1/4W 47K (E, EG)	R357	ERDS2TJ105T	1/4W 1M
R104	ERDS2TJ103T	1/4W 10K (EG)	R203, 204	ERDS2TJ562T	1/4W 5.6K (GC)	R358	ERDS2TJ100	1/4W 10
R105	ERDS2TJ471	1/4W 470	R205, 206	ERDS2TJ331	1/4W 330 (E, EG)	R359, 360	ERDS2TJ224T	1/4W 220K
R106	ERDS2TJ474	1/4W 470K	R207, 208	ERDS2TJ271	1/4W 270 (E, EG)	R361	ERDS2TJ102	1/4W 1K
R107	ERDS2TJ331	1/4W 330	R209, 210	ERDS2TJ184T	1/4W 180K (E, EG)	R362	ERDS2TJ223	1/4W 22K
R108	ERDS2TJ474	1/4W 470K	R211, 212	ERDS2TJ123	1/4W 12K (E, EG)	R363, 364	ERDS2TJ473	1/4W 47K
R109	ERDS2TJ331	1/4W 330	R213, 214	ERDS2TJ680T	1/4W 68 (E, EG)	R365	ERDS2TJ102	1/4W 1K
R110	ERDS2TJ102	1/4W 1K	R215, 216	ERDS2TJ272T	1/4W 2.7K (E, EG)	R371, 372	ERDS2TJ100	1/4W 10
R112	ERDS2TJ104	1/4W 100K	R217, 218	ERDS2TJ392T	1/4W 3.9K (E, EG)	R373, 374	ERDS2TJ224T	1/4W 220K
R113	ERDS2TJ103	1/4W 10K	R219, 220△	ERDS1FVJ221T	1/2W 220 (E, EG)	R375	ERDS2TJ103	1/4W 10K
R114	ERDS2TJ562	1/4W 5.6K	R221, 222	ERDS2TJ752T	1/4W 7.5K	R376	ERDS2TJ223	1/4W 22K
R115	ERDS2TJ561	1/4W 560	R223, 224	ERDS2TJ562	1/4W 5.6K	R378, 379	ERDS2EJ121	1/4W 120
R116	ERDS2TJ102	1/4W 1K	R225, 226	ERDS2TJ472	1/4W 4.7K	R380	ERDS2TJ102	1/4W 1K
R117	ERDS2TJ273	1/4W 27K (E, GC)	R227, 228	ERDS2TJ332	1/4W 3.3K	R381	ERDS2TJ223	1/4W 22K
R117	ERDS2TJ823T	1/4W 82K (EG)	R229-231	ERDS2TJ222	1/4W 2.2K	R382	ERDS2TJ105T	1/4W 1M
R118	ERDS2TJ562	1/4W 5.6K	R233, 234	ERDS2TJ223	1/4W 22K	R383	ERDS2TJ472	1/4W 4.7K
R119	ERDS2TJ682T	1/4W 6.8K (E, GC)	R235, 236	ERDS2TJ822	1/4W 8.2K	R391, 392	ERDS2TJ222	1/4W 2.2K
R119	ERDS2TJ183T	1/4W 18K (EG)	R237, 238	ERDS2TJ123	1/4W 12K	R393, 394	ERDS2TJ100	1/4W 10
R120	ERDS2TJ473	1/4W 47K	R239, 240	ERDS2TJ102	1/4W 1K	R396	ERDS2TJ102	1/4W 1K
R121	ERDS2TJ332	1/4W 3.3K	R251, 252	ERDS2TJ222	1/4W 2.2K	R397, 398	ERDS2TJ150T	1/4W 15
R122	ERDS2TJ272T	1/4W 2.7K	R253	ERDS2TJ223	1/4W 22K	R399	ERDS2TJ105T	1/4W 1M
R124	ERDS2TJ271	1/4W 270	R254	ERDS2TJ222	1/4W 2.2K	R451	ERDS2TJ102	1/4W 1K
R125, 126	ERDS2TJ152	1/4W 1.5K	R301, 302	ERDS2TJ222	1/4W 2.2K	R506	ERDS2TJ152	1/4W 1.5K
R127	ERDS2TJ103	1/4W 10K	R303	ERDS2TJ102	1/4W 1K	R507	ERDS2TJ331	1/4W 330
R128	ERDS2TJ820	1/4W 82	R305-307	ERDS2TJ100	1/4W 10	R508, 509	ERDS2TJ682T	1/4W 6.8K
R129	ERDS2TJ473	1/4W 47K	R308, 309	ERDS2TJ223	1/4W 22K	R511, 512	ERDS2TJ122	1/4W 1.2K
R130	ERDS2TJ103	1/4W 10K	R310	ERDS2TJ102	1/4W 1K	R550	ERDS2TJ564T	1/4W 560K (EG)
R132	ERDS2TJ103	1/4W 10K	R315, 316	ERDS2TJ102	1/4W 1K	R551	ERDS2TJ223T	1/4W 22K (EG)
R133-137	ERDS2TJ102	1/4W 1K	R317-320	ERDS2TJ471	1/4W 470	R552	ERDS2TJ103T	1/4W 10K (EG)
R138	ERDS2TJ103	1/4W 10K	R323-326	ERDS2TJ103	1/4W 10K	R553	ERDS2TJ102T	1/4W 1K (EG)
R139, 140	ERDS2TJ272T	1/4W 2.7K	R327-330	ERDS2TJ102	1/4W 1K	R554	ERDS2TJ102T	1/4W 1K (EG)
R141, 142	ERDS2TJ102	1/4W 1K	R331, 332	ERDS2TJ222	1/4W 2.2K	R555	ERDS2TJ104T	1/4W 100K (EG)
R143, 144	ERDS2TJ222	1/4W 2.2K	R333	ERDS2TJ104	1/4W 100K	R556	ERDS2TJ332T	1/4W 3.3K (EG)
R145, 146	ERDS2TJ102	1/4W 1K (E, GC)	R334	ERDS2TJ102	1/4W 1K	R557	ERDS2TJ103T	1/4W 10K (EG)
R145, 146	ERDS2TJ821	1/4W 820 (EG)	R335	ERDS2TJ104	1/4W 100K	R558	ERDS2TJ102T	1/4W 1K (EG)
R147, 148	ERDS2TJ474	1/4W 470K	R336	ERDS2TJ223	1/4W 22K	R559	ERDS2TJ562T	1/4W 5.6K (EG)
R149	ERDS2TJ680T	1/4W 68	R337, 338	ERDS2TJ391	1/4W 390	R560	ERDS2TJ820T	1/4W 82 (EG)
R171, 172	ERDS2TJ102	1/4W 1K	R339, 340	ERDS2TJ122	1/4W 1.2K	R562	ERDS2TJ473T	1/4W 47K (EG)
R173	ERDS2TJ471	1/4W 470	R341, 342	ERDS2TJ104	1/4W 100K	R563	ERDS2TJ332T	1/4W 3.3K (EG)
R175	ERDS2TJ102	1/4W 1K	R343	ERDS2TJ105T	1/4W 1M	R564	ERDS2TJ155T	1/4W 1.5M (EG)
R176	ERDS2TJ391	1/4W 390	R344	ERDS2TJ102	1/4W 1K	R565	ERDS2TJ332T	1/4W 3.3K (EG)
R177	ERDS2TJ472T	1/4W 4.7K (EG)	R345, 346	ERDS2TJ104	1/4W 100K	R566	ERDS2TJ332T	1/4W 3.3K (EG)
R191	ERDS2TJ103	1/4W 10K (E)	R347, 348	ERDS2TJ102	1/4W 1K	R567	ERDS2TJ332T	1/4W 3.3K (EG)
R192	ERDS2TJ122	1/4W 1.2K (E)	R349	ERDS2TJ104	1/4W 100K	R568	ERDS2TJ101T	1/4W 100 (EG)

Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks
R569	ERDS2TJ101T	1/4W 100 (EG)	R935	ERDS2TJ102	1/4W 1K	C115	ECEA1EKA4R7B	25V 4.7U
R570	ERDS2TJ101T	1/4W 100 (EG)	R936	ERDS2TJ101	1/4W 100	C116	ECBT1C822KS5	16V 8200P
R571	ERDS2TJ101T	1/4W 100 (EG)	R938	ERDS2TJ102	1/4W 1K	C117	ECQB1H102JF3	50V 1000P (E, GC)
R572	ERDS2TJ103T	1/4W 10K (EG)	R939	ERDS2TJ101	1/4W 100	C117	ECQB1H561JF3	50V 560P (EG)
R573	ERDS2TJ471T	1/4W 470 (EG)	R940, 941	ERDS2TJ393	1/4W 39K	C118, 119	ECFR1C103KR	16V 0.01U
R574, 575	ERDS2TJ102	1/4W 1K (EG)	R942	ERDS2TJ562	1/4W 5.6K	C120, 121	ECEA1HKA010B	50V 1U
R576	ERDS2TJ102	1/4W 1K (EG)	R943	ERDS2TJ223	1/4W 22K	C122	ECEA1HKA2R2B	50V 2.2U
R601, 602△	ERD2FCVJ4R7T	1/4W 4.7	R944	ERDS2TJ473	1/4W 47K	C123	ECEA1HKA010B	50V 1U
R603, 604	ERDS2TJ102	1/4W 1K	R945, 946	ERDS2TJ102	1/4W 1K	C124	ECBT1H102KB5	50V 1000P
R605	ERDS2TJ101	1/4W 100	R947, 948	ERDS2TJ103	1/4W 10K	C125	ECBT1H150JC5	50V 15P
R606, 607	ERDS2TJ393	1/4W 39K	R949	ERDS2TJ472	1/4W 4.7K	C126	ECBT1H473ZF5	50V 0.047U
R609 △	ERD25FJ2R2	1/4W 2.2	R950	ERDS2TJ102	1/4W 1K	C127	RCE1CKA220BG	16V 22U
R610	ERDS2TJ332	1/4W 3.3K	R951	ERDS2TJ104	1/4W 100K	C128	ECBT1H102KB5	50V 1000P
R612	ERDS2TJ472	1/4W 4.7K	R952, 953	ERDS2TJ102	1/4W 1K	C129, 130	RCE0JKA101BV	6.3V 100P
R613, 614	ERDS2TJ682T	1/4W 6.8K	R954	ERDS2TJ101	1/4W 100	C132	ECBT1H102KB5	50V 1000P
R615	ERDS2TJ103	1/4W 10K	R955	ERDS2TJ824	1/4W 820K	C133, 134	ECBT1H270JU5	50V 27P
R616 △	ERD25FVJ4R7T	1/4W 4.7	R956	ERDS2TJ101	1/4W 100	C135, 136	ECBT1C103KS5	16V 0.01U
R621, 622	ERDS2TJ151	1/4W 150	R957	ERDS2TJ102	1/4W 1K	C137, 138	ECBT1H561KB5	50V 560P
R623, 624	ERDS2TJ682	1/4W 6.8K	R958	ERDS2TJ471	1/4W 470	C139, 140	ECBT1C562KR5	16V 5600P (E, GC)
R631-634	ERDS2TJ102	1/4W 1K	R959	ERDS2TJ103	1/4W 10K	C139, 140	ECBT1C682KR5	16V 6800P (EG)
R635, 636	ERDS2TJ222	1/4W 2.2K	R960	ERDS2TJ472	1/4W 4.7K	C141-144	ECEA1HKA010B	50V 1U
R637	ERDS2TJ100	1/4W 10	R961	ERDS2TJ103	1/4W 10K	C145	ECBT1H220JC5	50V 22P
R638	ERDS2TJ103	1/4W 10K	R962	ERDS2TJ473	1/4W 47K	C148	ECBT1C103NS5	16V 0.01U
R641, 642	ERDS2TJ471	1/4W 470	R963-965	ERDS2TJ472	1/4W 4.7K	C149	ECBT1H104ZF5	50V 0.1U
R646	ERDS2TJ223	1/4W 22K	R966	ERDS2TJ123	1/4W 12K	C171, 172	ECBT1H102KB5	50V 1000P
R647	ERDS2TJ473	1/4W 47K	R967	ERDS2TJ472	1/4W 4.7K	C173	RCE1CKA220BG	16V 22P
R651-654	ERDS2TJ2R2T	1/4W 2.2	R968, 969	ERDS2TJ152	1/4W 1.5K	C174	RCE1CKA100BG	16V 10P
R655	ERDS2TJ102	1/4W 1K	R971	ERDS2TJ104	1/4W 100K	C181	ECBT1H471KB5	50V 470P (EG)
R656	ERDS2TJ221	1/4W 220	R972	ERDS2TJ820	1/4W 82	C196	ECBT1H102KB5	50V 1000P
R671	ERDS2TJ102	1/4W 1K	R973	ERDS2TJ151	1/4W 150	C201, 202	ECBT1H180J5	50V 18P
R901	ERDS2TJ821	1/4W 820	R974, 975	ERDS2TJ473	1/4W 47K	C203, 204	ECBT1H151KB5	50V 150P
R902	ERDS2TJ102	1/4W 1K	R976	ERDS2TJ272T	1/4W 2.7K	C205, 206	ECBT1H102KB5	50V 1000P (E, EG)
R903	ERDS2TJ122	1/4W 1.2K	R977	ERDS2TJ102	1/4W 1K	C207, 208	RCE1AKA330BG	10V 33 (E, EG)
R904	ERDS2TJ152	1/4W 1.5K	R978-992	ERDS2TJ104	1/4W 100K	C209, 210	ECBT0J223MS5	6.3V 0.022U (E, EG)
R905	ERDS2TJ182	1/4W 1.8K	R993-995	ERDS2TJ102	1/4W 1K	C211, 212	ECBT1C682KR5	16V 6800P (E, EG)
R906	ERDS2TJ222	1/4W 2.2K	R996	ERDS2TJ101	1/4W 100	C213, 214	RCE1CKA100BG	16V 10U (E, EG)
R907	ERDS2TJ332	1/4W 3.3K	R997-999	ERDS2TJ102	1/4W 1K	C215	ECBT1E103ZF	25V 0.01U (E, EG)
R908	ERDS2TJ223	1/4W 22K				C216	RCE1CM101BV	16V 100U (E, EG)
R909	ERDS2TJ103	1/4W 10K			CAPACITORS	C217	ECBT1E103ZF	25V 0.01U (E, EG)
R910	ERDS2TJ821	1/4W 820				C218	RCE1AKA101BG	10V 100U (E, EG)
R911	ERDS2TJ102	1/4W 1K	C101	ECBT1C103NS5	16V 0.01U	C219-222	ECBT1H101KB5	50V 100P
R912	ERDS2TJ122	1/4W 1.2K	C103	ECBT1C103NS5	16V 0.01U	C223, 224	ECBT1H104ZF5	50V 0.1U
R913	ERDS2TJ152	1/4W 1.5K	C104, 105	ECBT1H102KB5	50V 1000P	C225-227	ECBT1H470J5	50V 47P
R914	ERDS2TJ182	1/4W 1.8K	C106	ECBT1C103NS5	16V 0.01U	C231, 232	ECBT1E103ZF	25V 0.01U
R915	ERDS2TJ222	1/4W 2.2K	C107	ECBT1H473ZF5	50V 0.047U	C233, 234	ECBT1H102KB5	50V 1000P
R916-919	ERDS2TJ103	1/4W 10K	C108	ECBT1H100JC5	50V 10P (E)	C235, 236	ECBT1H101KB5	50V 100P
R920-922	ERDS2TJ102	1/4W 1K	C108	ECBT1H8R2KC5	50V 8.2P (EG, GC)	C251	RCE1CKA470BG	16V 47U
R923	ERDS2TJ391	1/4W 390	C109, 110	ECBT1C103NS5	16V 0.01U	C301, 302	ECBT1H470J5	50V 47P
R924, 925	ERDS2TJ102	1/4W 1K	C111	ECEA1EKA4R7B	25V 4.7U	C303	ECBT1E103ZF	25V 0.01U
R926	ERDS2TJ101	1/4W 100	C112	ECBT1C103NS5	16V 0.01U	C304	ECFR1C473KR	16V 0.047U
R927-933	ERDS2TJ102	1/4W 1K	C113	ECBT1H102KB5	50V 1000P	C305, 306	RCE1CKA100BG	16V 10U
R934	ERDS2TJ101	1/4W 100	C114	RCE1HKA3R3BG	50V 3.3P	C307-310	ECFR1C104KR	16V 0.1U

Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks			
C311, 312	ECFR1C123KR	16V 0.012U	C601, 602	ECKT1H223ZF	50V 0.022U			
C313, 314	ECFR1C153KR	16V 0.015U	C603 △	ECA1EM102B	25V 1000U			
C315, 316	ECBT1C332KR5	16V 3300P	C604 △	RCE1EM471BV	25V 470U			
C317, 318	ECEA1HKA15B	50V 0.15U	C605, 606	ECBT1E103ZF	25V 0.01U			
C319, 320	ECFR1C104KR	16V 0.1U	C607	RCE1CKA100BG	16V 10U			
C321	ECBT1E103ZF	25V 0.01U	C608	RCE1CM101BV	16V 100U			
C322	ECFR1C473KR	16V 0.047U	C609	ECBT1H102KB5	50V 1000P			
C323	ECFR1C103KR	16V 0.01U	C610, 611	ECBT1H104ZF5	50V 0.1U			
C335, 336	RCE1CKA100BG	16V 10U	C612	RCE1EM471BV	25V 470U			
C337-340	RCE1CKA220BG	16V 22U	C613	ECBT1E103ZF	25V 0.01U			
C341, 342	ECEA1AKN100B	10V 10U	C614	RCE1CKA100BG	16V 10U			
C343	RCE1CKA100BG	16V 10U	C615	ECEA1EKA101B	25V 100U			
C344, 345	ECBT1H470J5	50V 47P	C616	ECA1HM470B	50V 47U			
C346	ECEA1HKA0R1B	50V 0.1U	C617 △	ECA1HM470B	50V 47U			
C347	ECEA1CN100SB	16V 10U	C618	ECA1JM470B	63V 47U			
C348	ECEA1CKA330B	16V 33U	C619	ECBT1E103ZF	25V 0.01U			
C349	RCE1HKA3R3BG	50V 3.3U	C620	RCE1VKA100BG	35V 10U			
C350	RCE0JKA470BG	6.3V 47U	C622	RCE1VKA100BG	35V 10U			
C351, 352	RCE1CKA100BG	16V 10U	C631-636	ECBT1H101KB5	50V 100P			
C353, 354	ECBT1H101KB5	50V 100P	C637	ECBT1H102KB5	50V 1000P			
C355	ECEA1CKA330B	16V 33U	C638	ECBT1H101KB5	50V 100P			
C356	ECBT1H104ZF5	50V 0.1U	C651, 652	ECBT1H104ZF5	50V 0.1U			
C357	RCE1CM101BV	16V 100U	C653, 654	ECBT1H102KB5	50V 1000P			
C361, 362	ECBT1H221KB5	50V 220P	C655	ECQV1H224JM3	50V 0.22U			
C365	RCE0JKA470BG	6.3V 47U	C901-904	ECBT1H471KB5	50V 470P			
C391, 392	RCE1CM101BV	16V 100U	C905, 906	ECBT1H102KB5	50V 1000P			
C393, 394	ECBT1H102KB5	50V 1000P	C907	ECBT1H104ZF5	50V 0.1U			
C453	ECEA1HKA010B	50V 1U	C908	ECBT1E103ZF	25V 0.01U			
C455	RCE1CKA100BG	16V 10U	C909	ECEA1HKA2R2B	50V 2.2U			
C509	ECBT1E103ZF	25V 0.01U	C910	RCE1CKA100BG	16V 10U			
C510	RCE1AKA101BG	10V 100U	C911	ECBT1H270JU5	50V 27P			
C550	RCE0JKA101BV	6.3V 100U (EG)	C912	ECBT1H220GC5	50V 22P			
C551	RCE1CKA220BG	16V 22U (EG)	C913	ECBT1H104ZF5	50V 0.1U			
C552	RCE1CKA100BG	16V 10U (EG)	C915	ECBT1E103ZF	25V 0.01U			
C553	ECEA1EKA4R7B	25V 4.7U (EG)	C916, 917	ECEA1HKA010B	50V 1U			
C554	RCE1CKA100BG	16V 10U (EG)	C918	ECBT1H104ZF5	50V 0.1U			
C555	ECEA1EKA4R7B	25V 4.7U (EG)	C919	RCE0JU102BV	6.3V 1000U			
C556	RCE1CKA100BG	16V 10U (EG)	C920	ECBT1E103ZF	25V 0.01U			
C557	ECBT1H102KB5	50V 1000P (EG)	C921	ECA0JKF101B	6.3V 100U			
C558	RCE0JKA101BV	6.3V 100U (EG)	C923	RCE0JKA221BV	6.3V 220U			
C559	ECEA1HKA010B	50V 1U (EG)	C924-926	ECBT1H102KB5	50V 1000P			
C560	ECEA1HKA010B	50V 1U (EG)	C927	ECBT1C105ZF5	16V 1U			
C561	ECFR1C223KR	16V 0.022U (EG)						
C562	ECFR1C333KR	16V 0.033U (EG)						
C563	ECFR1C333KR	16V 0.033U (EG)						
C564	ECBT1C332KR5	16V 3300P (EG)						
C565	ECBT1C682KR5	16V 6800P (EG)						
C566	ECBT1C332KR5	16V 3300P (EG)						
C567	ECBT1C103KS5	16V 0.01U (EG)						
C568	ECBT1H102KB5	50V 1000P (EG)						
C569	ECBT1H102KB5	50V 1000P (EG)						
C570	ECBT1H102KB5	50V 1000P (EG)						

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