

Goodmans



GMS950R

Service Manual - GMS950R

SPECIFICATIONS

AM/FM TUNER SECTION

ANTENNA SYSTEM	AM: FERRITE BAR FM: LEAD WIRE
TUNING RANGE	AM: 522 - 1620 kHz FM: 87.5 - 108 MHz

AUDIO SECTION

SPEAKER IMPEDANCE	: 4 OHM
GENERAL	: 5 x 2
POWER INPUT	: ~ AC 230V-50Hz

AC POWER CONSUMPTION

MAIN DIM	: 152(L)x237.5(W)x218.5(H)mm
SPEAKER DIM	: 140(L)x185(W)x218.5(H)mm
WEIGHT	: 5.6Kg

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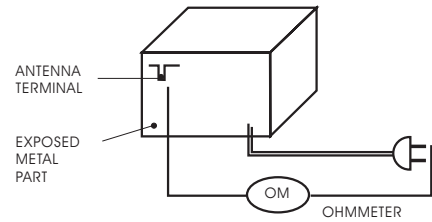
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IMPORTANT SERVICE SAFETY INFORMATION

1. SAFETY PRECAUTIONS

Before returning a unit to the customer, always make a safety check of the entire unit, including, but not limited to the following items:

- a. Be sure that no built-in protective devices are defective and/or have been defeated during servicing.
 - (1) protective shields are provided to protect both the technician and the customer. Correctly replace all missing protective shields including any removed for servicing convenience.
 - (2) when reinstalling the chassis and/or other assemblies in the cabinet, be sure to put back in place all protective devices, including, but not limited to, nonmetallic control knobs, insulating fishpapers, adjustment and compartment covers/shields and isolating resistor/capacitor networks. Do not operate this or permit it to be operated Without all protective devices correctly installed and functioning .
- b. Be sure that there are no cabinet openings through which an adult or child might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to, excessively wide cabinet ventilation slots, and an improperly fitted and/or incorrectly secured cabinet back cover.
- c. Leakage current hot check - with the unit completely reassembled ,plug the AC line cord directly into a 120V AC outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National standards Institute (ANSI) C101.1 "Leakage Current for Appliances " and Underwriters Laboratories(UL) 1410 (50.7). WITH THE UNIT AC switch first in the ON position And then in the OFF position, measure from a known earth ground (metal water pipe, conduit, etc.) To all exposed metal parts of the Unit (antennas, handle bracket, metal cabinet, screw heads , metallic overlays, control shaft, etc.) Especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 0.5 milliamp, reverse the unit power cord plug in the outlet and repeat test .
 ANY MEASUREMENTS NOT WITHIN THE LIMITS SPECIFIED HERENING INDICATE A POTENTIAL SHOCK HAZARD THAT MUST BE ELIMINATED RETURNING THE UNIT TO THE CUSTOMER.



2. PRODUCT SAFETY NOTICE

some electrical and mechanical parts have special safety related characteristics which are often not evident from visual inspection. Nor can the protection they give necessarily be obtained by replacing them with components rated for higher voltage , wattage, etc. Parts that have special safety characteristics are identified by a Δ on schematic and parts list. Use of a substitute replacement that dose not have the same safety characteristics as the recommended replacement part might create shock, fire, and/or other hazards. Product safety is under review continuously and new instructions are issued whenever Appropriate.

3. Servicing precautions

CAUTION: before servicing the unit covered by this service by this service manual and its supplements. Read and follow the SAFETY PRECAUTIONS on this page.

NOTE: if unforeseen circumstances create a conflict between the following servicing precautions and any of the Safety precautions, always follow the safety precautions. Remember: safety first.

General servicing precautions.

- a. Always unplug the unit ' s AC power cord from the AC power source Before:
 - (1) removing or reinstalling any component, circuit board, module or any other unit assembly.
 - (2) disconnecting or reconnecting any unit electrical plug or other Electrical connection.
 - (3) connecting a test substitute in parallel with an electrical capacitor caution: a wrong part substitution or incorrect polarity installation Of electrolytic capacitors may result in an explosion hazard
- b. Do not defeat any plug/socket b+ voltage interlocks with which the unit covered by this service manual might be equipped.
- c. Do not apply AC power to this unit and/or any its electrical assemblies unless all solid-state device heat sinks are correctly installed.
- d. Always connect a test unit instrument ' s ground lead to the unit ' s chassis ground before connecting the test instrument ' s positive lead always remove the test instrument ' s ground lead last.

4. Laser precautions

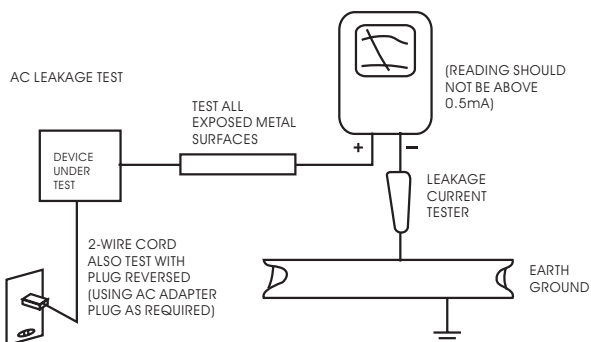
Warning!

- (1) When servicing. (In case it is necessary to confirm laser Beam emission) be sure not to place your eyes any closer than 1 or 30cm from the surface of the objective lens on the optical pickup block.

HANDLING THE LASER PICKUP

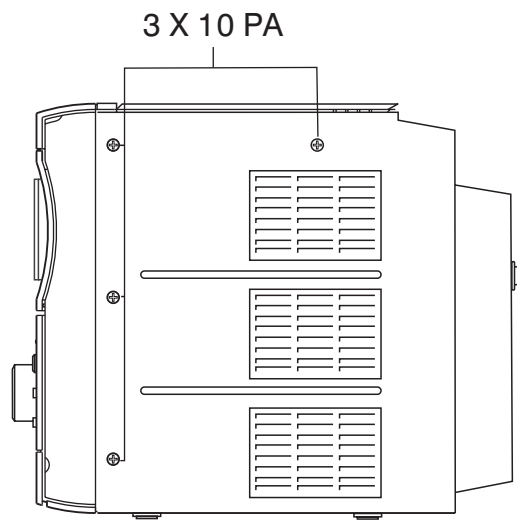
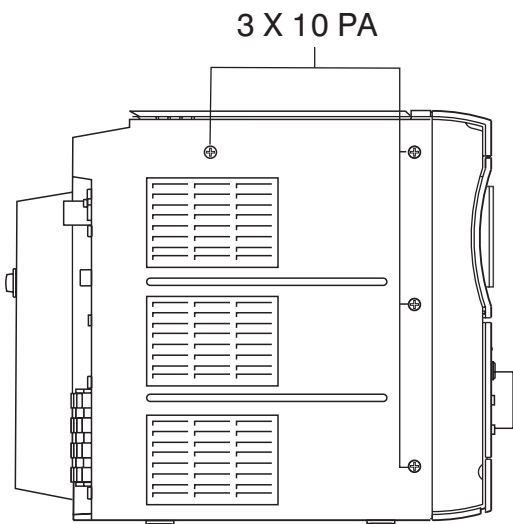
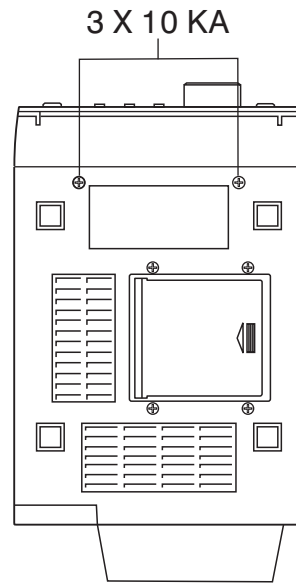
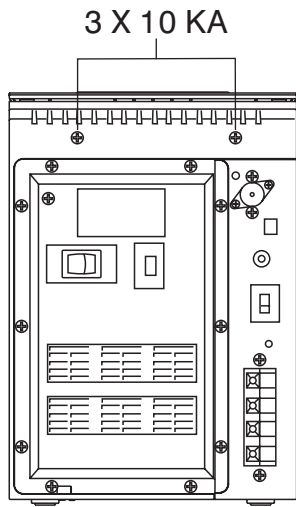
- (2) Laser Diodes are Extremely Susceptible to damage from static electricity even if a static discharge does not ruin the diode, it can shorten its life or cause it to work improperly. When replacing the pickup, use a conductive mat on the floor and desk and wear a wrist band connected to ground through a 1Mohm resistor to protect the laser diode from static damage. If the lens should get dusty, blow off the dust carefully from the object.
- (3) There are no adjustable parts in the pickup assembly. If it is defective, replace the whole pickup assembly.

CAUTION: USE OF CONTROLS, ADJUSTMENTS OR PERFORMANCE OF PROCEDURES HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
DANGER: IF INTERLOCK FAILS OR IS DEFEATED, THE LASER LIGHT IS ABLE TO FUNCTION. THE LASER IS INVISIBLE, AVOID DIRECT EXPOSURE TO BEAM.

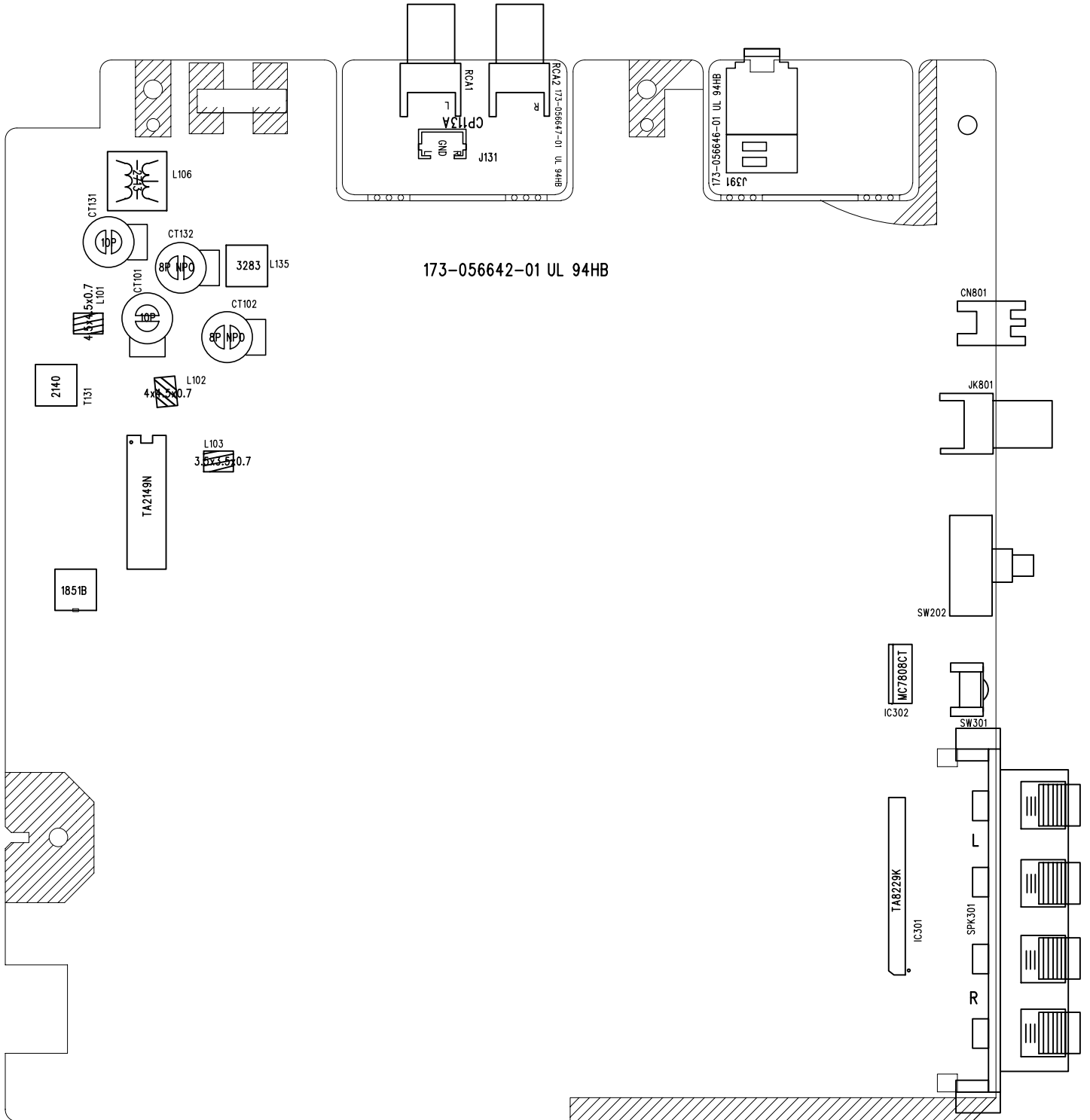


- d. Insulation resistance test cold check: unplug the power supply cord and connect a jumper wire between the two prongs of the plug . Turn on the power switch of the unit. Measure the resistance with an ohmmeter between jumpered AC PLUG AND EACH Exposed metallic cabinet part on the unit, such as screw heads, antenna, control shafts, handle brackets, etc. When the exposed metallic part has a return path to the chassis , the reading should be between 1 and 5.2 megohms. When there is no return path to the chassis, the reading must be " infinite" . If it is not within the limits specified, there is the possibility of a shock hazard, and the unit must be repaired and rechecked before it is returned to the customer.

DISASSEMBLY INSTRUCTIONS



ADJUSTMENT LOCATIONS



ALIGNMENT PROCEDURES

— FM AND AM RF ALIGNMENT CHART (IF)

Step	item	Input Circuit Setup	Output Circuit Setup	Tuner setting	Adj - Point	Adjustment
Unless otherwise specified set switches as follows:						
FM Function: FM						
Adjust generator frequency to a center of the FM band where no FM broadcast exists						
1	IF Adjustment	Connect FM IF sweep output terminal to IC102	Connect Co19 and GND IF-OUT terminal to IF sweep input terminal	FM in band end	T101	Adjust for straight and symmetrical S-curve with max.amplitude.
2	FM Band setup		Headphone jack or speaker terminal	87.5 MHz 108MHz	L103	Adjust L103 for max output Done
3	Tracking (1)	FM SG ANT. Terminal 90.1 MHz, 1kHz, +-22.5kHz dev	Headphone jack or speaker terminal	90.1 MHz MONO	L102	Adjust for max.output and best waveform
4	Tracking (2)	106.1 MHz, 1 kHz +-22.5 MHz dev	Headphone jack or speaker terminal	106.1 MHz	CT101	Same as above.
5	Repeat steps 3 and 4.					
MW						
1	IF Adjustment	Connect standard loop antenna to output terminal of genescope	Connect input terminal genescope to detector output	MW in band end	T131	Adjust tor max. amplitude with symmetrical 450 kHz.
2	MW Band		Headphone jack or speaker terminal	522 kHz 1620 kHz	L135	Adjust L135 for max output Done
3	Tracking (1)	612 kHz 400 kHz, 30% mod	Headphone jack or speaker terminal	612 kHz	L106	Adjust for max.output and best waveform
4	Tracking (2)	1404 kHz 400 kHz, 30% mod	Headphone jack or speaker terminal	1404 kHz	CT131	Same as above.
5	Repeat steps 3 and 4.					

— TAPE SECTION

HEAD ADJUSTMENT (AZIMUTH)

10 kHz test tape (example:MTT-114N) must be used for this adjustment. Connect to VTVM or oscilloscope to the headphone JCK or speaker terminal Press the play button.

Adjust the azimuth by using a screw driver to maintain the maximum L & R output voltage. Adjust tape. Please secure the azimuth position by using locking paint.

RECODING BIAS OSCILLATOR FREQUENCY ADJUSTMENT

Connect the frequency counter to of R601 two ends.

Press REC button of tape .

Adjust T201 obtain 60 kHz +-100 HZ

ALIGNMENT PROCEDURES

FM RECEIVER PERFORMANCE DATA

Band: FM
 Supply Voltage: AC 230 V
 Standard Output: 500 mw
 Dummy Load: 4 ohm
 Modulation: 1 KHz 22.5 KHZ DEV
 EQ or Tone at Flat Place Bass OFF Place

Measuring Items		Unite	Norm	Limit	Sample1	Sample2
RDS Sensitivity	90.1 MHz	db	30	36		
	98.1 MHz	db	30	36		
	106.1 MHz	db	30	36		
30db Quieting Sensitivity	90.1 MHz	db	18	26		
	98.1 MHz	db	18	26		
	106.1 MHz	db	18	26		
Auto Locked Sensitivity	90.1 MHz	db	26	32		
	98.1 MHz	db	26	32		
	106.1 MHz	db	26	32		
ACA (2-Signal)	+300 KHz	db	20	15		
	-300 KHz	db	20	15		
Image Rejection	AT 106.1 MHz	db	22	16		
IF Rejection	AT 90.1 MHz	db	50	40		
-3db Limiting Sens .	1mv I/P	db	18	22		
AM Suppression	1mv I/P	db	35	30		
S/N	1mv I/P	db	40	35		
Stereo Sens		db	20	26		
Stereo Lamp On Sens.		db	20	26		
Separation R/L		db	25	20		
Audio Freq.	Low	Hz	80	<100		
Response-3db	High	KHz	5	4		
Modulation Hum	1 mv I/P	db	40	35		
Hum & Noise(min.vol.)		mv	1	3		
Output (10% Dist) (MOD=40KHz)		mW	4500	4000		
Total Harmonic Distortion	1 mv I/P	%	1	3		
OSC Drop Out	1 mv I/P	V				
Current Consumption	No signal	mA				
	Max	mA				
Frequency Range	Low	MHz	87.5	+/-0.3		
	High	MHz	108	+/-0.3		
IF Frequency		MHz	10.7	+/-0.2		

ALIGNMENT PROCEDURES

MW RECEIVER PERFORMANCE DATA

Band: MW
 Supply Voltage: AC 230 V
 Standard Output: 500 mw
 Dummy Load: 4 Ohm
 Modulation: 1 KHz 30%
 EQ or Tone at Flat Place Bass OFF Place

Measuring Items			Unite	Norm	Limit	Sample1	Sample2
20db Quieting Sensitivity	612	KHz	dB/M	60	66		
	999	KHz	dB/M	60	66		
	1404	KHz	dB/M	60	66		
Auto Locked Sensitivity	612	KHz	dB/M	66	70		
	999	KHz	dB/M	66	70		
	1404	KHz	dB/M	66	70		
S/N 5mv/M			dB	35	30		
ACA	+9	KHz	dB	18	12		
	-9	KHz	dB	18	12		
Band Width-6dB	+Side		KHz	3	10		
	-Side		KHz	3	10		
Image Rejection	AT 1404	KHz	dB	35	30		
IF Rejection	AT 612	KHz	dB	50	40		
Tweet 50mv/M	2IF		%	5	10		
AGC FOM-10db	100mv/M		dB	45	35		
Audio Freq. Response-6db	Low		Hz	80	<100		
	High		KHz	2.7	>2.2		
Modulation Hum	100 mv/M		dB	38	32		
Hum (Volume At Min)			mv	1	3		
Output (10% Dist) (MOD=80%)			mW	4500	4000		
Total Harmonic Distortion	5mv/M		%	2	4		
OSC Drop Out			5mv/M	V			
Current Consumption	No signal		mA				
	Max		mA				
Frequency Range	Low		KHz	522	+/-10		
	High		KHz	1620	+/-10		
IF Frequency			KHz	450	+/-2		

ALIGNMENT PROCEDURES

CASSETTE PLAYBACK PERFORMANCE DATA

Supply Voltage: AC 230 V
 Standard Output: 500 mw
 Dummy Load: 4 Ohm
 0DB=1V
 EQ or Tone at Flat Place Bass OFF Place
 Tape Speed 4.76cm/sec. 1 ⁷/₈ I n

Measuring Items		Unite	Norm	Limit	Sample1	Sample2
Tape Speed Enor	at 3 KHz	%		+3/-2		
WOW & Flutter	at 3 KHz	%	0.25	0.35		
Play Freq Response	at Hz	dB				
	at 125 Hz	dB	+/-3	+/-6		
	at 1 KHz	dB	0	0		
	at 10 KHz	dB	+/-3	+/-6		
	at KHz	dB				
P/B S/N (1K odB)	DC Opetation	dB				
	AC Optetaion	dB	50	40		
Min Vol Hum & Noise	AC Optetaion	mv	1	3		
Max Vol Hum & Noise	AC Optetaion	mv	20	30		
10% THD Output	(1KHz odB) RMS	mw	4500	4000		
THD -10dB 1KHz	at Hz	%				
	at 1 KHz	%	1	2		
	at KHz	%				
Track Crosstalk		dB	40	30		
Channel Separation	R-L	dB	40	30		
	L-R	dB	40	30		
Channel Balance	-10dB 1KHz	dB	1	3		
No Signal Current	Min. Vol. Blank Tape	mA				
Max Output	Max. Vol	A				
Play Torque		g/cm				
F.F Torque		g/cm				
Rew Torque		g/cm				
Time for Play		Min				
Time for F.F		Sec				
Time for Rew		Sec				
Play Level	Tape = 0dB Ref	dB	0	0		
CD Play	1KHz-10dB	dB	-2	- 4		
Radio	FM 1KHz 40KHz	dB	+/-1	+/-3		
AUX	500MV	dB	+/-1	+/-3		

ALIGNMENT PROCEDURES

CASSETTER REC/PLAY PERFORMANCE DATA

Supply Voltage: AC 230 V
 Standard Output: 500 mw
 Dummy Load: 4 Ohm
 ODB=1V
 EQ or Tone at Flat Place Bass OFF Place
 Tape Speed 4.76cm/sec. 1 ⁷/₈ I n

Measuring Items		Unite	Norm	Limit	Sample1	Sample2
Rec Blas System	AC	KH z	55	60		
Erasing System	Magnet		6PA			
Erasing Ratio		dB	38	33		
ALC Compresion Time	for 20db	dB				
	Stansatding up for -20db at 90%	Sec				
	Recovery time for -20db at 90%	Sec				
R/P Frep Response	at Hz	dB				
REC CD(-20dB)	at 100 Hz	dB	+/-3	+/-6		
100Hz ,1KHz, 10KHz	at 1 KHz	dB	0	+/-3		
	at 10 KHz	dB	+/-3	+/-6		
R/P S/N	Built Mic	dB				
	FM 1mv/in	dB	38	33		
R/P THD	at -10dB 1KHz	%	5	10		
Built in Mic Sens		dB				
Ext Mic Sens		dB				
Line in Sens		dB				
R/P Channal Separation	L-R	dB	40	30		
(1KHB 0dB)	R-L	dB	40	30		
Record Level	Tape = -10dB	dB	0	0		
CD	1KHz -20dB	dB	+/-2	+/-4		
Radio	FM 1KHz 12.5KHz	dB	+/-2	+/-4		
Remote Control Sensitivity		m	7	5		
Headphone Out Level (32 ohm)		mW	20	15		
Bass Tone Action	at Hz	dB				
Power consumtiom		W				
Prest EQ REF O/P 0dB						
CLASSIC	100 Hz	dB	+4	+/- 1		
	1 KHz	dB	+0.5	+/-1		
	10 KHz	dB	+3.5	+/- 1		
ROCK	100 Hz	dB	+6	+/- 1		
	1 KHz	dB	+1	+/- 1		
	10 KHz	dB	+4	+/- 1		
POP	100 Hz	dB	0	+/- 1		
	1 KHz	dB	+2	+/- 1		
	10 KHz	dB	- 1	+/- 1		

ALIGNMENT PROCEDURES

CD PLAYBACK PERFORMANCE DATA

Supply Voltage: AC 230 V
 Standard Output: 500 mw
 Dummy Load: 4 Ohm
 0DB=1V

EQ or Tone at Flat Place Bass OFF Place

Measuring Items		Unite	Norm	Limit	Sample1	Sample2
WOW & Flutter		%				
Play Freq Response (0dB)	at 40 Hz	dB	- 2	- 3		
	at 61 Hz	dB	- 1	- 2		
	at 127 Hz	dB	0	- 1		
	at 1 KHz	dB	0	0		
	at 10 KHz	dB	0	- 1		
	at 20 KHz	dB	0	- 3		
P/B S/N (YEDS)	DC Opetaion	dB				
	AC Optetaion	dB	50	40		
Min Vol Hum & Noise	AC Optetaion	mv	2	3		
Max Vol Hum & Noise	AC Optetaion	mv	5	8		
10% THD Output	RMS	mw	4500	4000		
THD (-20dB)	at 1 KHz	%	1	3		
Channel Separation YEDS (0dB)	R-L	dB	40	30		
	L-R	dB	40	30		
Channel Balance (1KHz -10dB)		dB	1	3		
Black Spot	PHILIPS-444A	UM	800	600		
Finger Prints	PHILIPS-444A	TRACK	19	18		
Interruption	PHILIPS-444A	UM	800	600		
Deflection	731RA	MM	1	0.9		
Eccentricity	712R	UM	210	140		
Access Operation	First	Sec		3		
Time	Last	Sec		13		

VOLTAGE CHARTS

IC VOLTAGE TABLE

{NO SIGNAL INPUT (EXCEPT FM STEREO BAND), VOLUME MINMUN}
AC 230V 50Hz

IC102 TA2149BN	PINS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	AM	0	0	1.1	4.6	4.6	4	4.6	0	0.4	4.1	1.2	1.2	0	0.8	0.7	1.1
	FM	0	0.8	0	4	4.3	3.8	4.2	0	0.5	3.5	1.2	1.2	3.4	0	3.5	0.9
	FM.ST	0	0.8	0	4	4.3	3.8	4.2	0	0.5	3.5	1.2	1.2	3.4	3.5	3.5	0.9
	PINS	17	18	19	20	21	22	23	24								
	AM	1.2	4.6	3.1	4.6	4.6	4.6	4.6	4.6								
	FM	1.2	4.3	2.7	4.3	4.3	4.3	4.3	4.3								
	FM.ST	1.2	0	2.7	4.3	4.3	4.3	4.3	4.3								

IC801 TC9257F	PINS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	CD	0	5	5	5	0.1	0.1	3.6	0	0	0	5	0	0	0	0	0
	RADIO	2.1	2.4	5	5	0.1	0.1	4	0	0	0	0	4.6	0	2.2	0	2.2
	AUX	0	5	5	5	0.1	0.1	0.1	4.7	4	0	5	0	0	0	0	0
	TAPE	0	5	5	5	0.1	0.1	0.1	0.1	4	0	5	0	0	0	0	0
	PINS	17	18	19	20												
	CD	0	1	1	1												
	RADIO	4.6	0	0.7	1												
	AUX	0	0	1	1												
	TAPE	0	0	1	1												

IC401 PT2253A	PINS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	VOLUM	0	3.3	3.3	3.3	3.3	3.3	6.6	6.6	6.6	6.6	3.3	3.3	3.3	3.3	3.3	6.6

IC301 TA8229K	PINS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	POWER	0	15	8.3	16	8.2	15	0	15	8.3	0.6	0	0	0.6	0	0	

U3 MM1469	PINS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	DRIVER	3.6	3.6	2.1	2.1	0	1.7	7.9	0	2.1	2.1	3	3.6	0	7.4	1	1
	PINS	17	18	19	20	21	22	23	24	25	26	27	28				
	DRIVER	3.6	3.6	2.1	2.1	7.9	7.9	2.1	2.1	2.1	3.6	3.6	0				

IC951 TC9243F	PINS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	REMOTE	0	2.9	2.9	1.4	0	0	0	0	0	0	0	0	2.8	2.8	2.8	2.8
	PINS	17	18	19	20												
	REMOTE	0	2.8	0	3												

IC521 TC4052BP	PINS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	CD	0	0	0	0	0	0	0	0	3.4	4.6	0	0	0	0	0	4.8
	RADIO	0	0	0	0	0	0	0	0	0.6	3.8	0	0	0	0	0	4.8
	AUX	0	0	0	0	0	0	0	0	4.5	4.5	0	0	0	0	0	4.8
	TAPE	0	0	0	0	0	0	0	0	4.5	4.5	0	0	0	0	0	4.8

IC501 TA2078P	PINS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	EQ	4.9	4.9	0	0.1	4.9	0	7.5	0	0	0	0	4.9	0.1	0	4.9	4.9

VOLTAGE CHARTS

IC701 CPU 87E26-1J15	PINS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
	RADIO	0	2.4	2.1	4.6	0	0	0	0	4.6	0	0	0	0	0	0	0	0
	AUX	0	2.4	2.1	4.6	0	4.6	0	0	0	0	0	0	0	0	0	0	0
	CD	0	2.4	2.1	4.6	0	0	0	0	4.6	2.5	0	0	0	0	0	0	0
	TAPE	0	2.4	2.1	4.6	0	4.6	0	0	0	0	0	0	0	0	0	0	0
	PINS	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
	RADIO	0	0	0	0	1.9	4.5	0	4.5	4.5	4.4	0	0	0	0	0	0	
	AUX	0	0	0	0	0	4.5	0	4.5	4.5	4.4	0	0	0	0	0	0	
	CD	4.7	0	0	0	0	4.6	0	4.7	4.7	0	0	0	0	4.8	4.8	4.8	
	PINS	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
	RADIO	0	0	0	0	0	0	0	0	4.5	2	4.2	3.7	4.5	4.5	4.5	4.5	
	AUX	0	0	0	0	0	0	0	0	0	2	4.2	3.7	4.5	4.5	4.5	4.5	
	CD	4.8	4.8	4.8	4.8	0	0	0	0	4.6	0	0.1	3.8	4.6	4.6	4.6	4.6	
	TAPE	0	0	0	0	0	0	0	0	0	2	4.2	3.7	4.5	4.5	4.5	4.5	
	PINS	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
	RADIO	0	0	4.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
	AUX	0	0	4.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
	CD	0	0	4.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
	TAPE	0	0	4.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
	PINS	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	
	RADIO	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
	AUX	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
	CD	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
	TAPE	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
	PINS	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	
	RADIO	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.3	
	AUX	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.3	
	CD	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.3	
	TAPE	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.3	
	PINS	97	98	99	100													
	RADIO	0.1	5.2	5.2	4.7													
	AUX	0.1	5.2	5.2	4.7													
	CD	0.1	5.2	5.2	4.7													
	TAPE	0.1	5.2	5.2	4.7													

U4 TC9462F	PINS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	CD	4.8	4.8	4.8	0	2.4	0	2.4	0	4.8	0.4	2.5	0	0.5	4.8	0	0
	PINS	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	CD	2.2	0	2.4	2.4	1.6	4.8	4.8	0	4.2	2.1	4.8	2.1	1.3	0	1.4	4.2
	PINS	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	CD	2.1	2.1	1.4	0	2	2.1	4.8	1.1	1.1	1.1	7	1.1	2.1	2.1	2.1	2.1
	PINS	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
	CD	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2	0	4.8	4.8	4.8	4.8	4.8	0	0.1
	PINS	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
	CD	0.1	0.1	4.8	0	4.8	0	0	0	0	0	4.8	4.8	0	2.1	2.3	4.7
	PINS	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
	CD	0	2.5	4.8	2.4	2.5	0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	0	4.8
	PINS	97	98	99	100												
	CD	4.8	4.8	4.8	4.8												

VOLTAGE CHARTS

IC802 BU1923F	PINS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	RDS	2.1	2.5	2.6	2.6	4.8	0	0	2.6	0	0	0	4.8	1.8	2.4	0	2.4

U2 TA2153F	PINS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	CD	4.7	3	2.1	2.1	2.1	2.1	2.1	0	4	0	2.1	4.2	1.1	1.1	1.1	2.1
	PINS	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
	CD	2.1	0	2.1	1.1	1.9	1.1	0.4	2.1	2.1	4.1	2.1	2.4	0	2.1		

U5	PINS	1	2	3	4	5	6	7	8	9						
	MOTOR	0	7.5	0.8	0	0	7.5	0.8	7.5	0						

IC302 KA7808	PINS	1	2	3												
	CD	15	0	8												

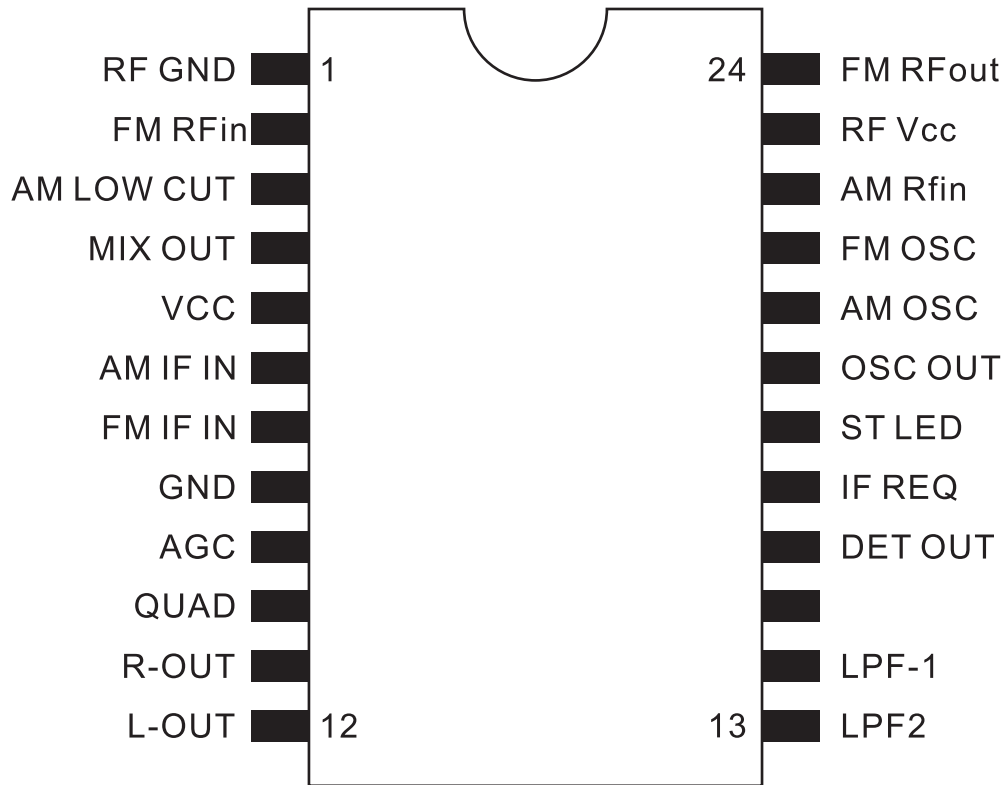
		Q102	Q103	Q104	Q105	Q106	Q107	Q108	Q110	Q112	Q113	Q601	Q602	Q603	Q501	Q502	Q801
	B	0	0	0	1	1.6	1	1.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0
	C	3.5	3	4	2-9	2-9	3-8	3-8	0	0	0	0	0	0	0	0	10
	E	0	8	0	0	0	8	0	0	0	0	0	0	0	0	0	0

		Q802	Q803	Q401	Q402	Q403	Q404	Q405	Q406	Q407	Q408	Q409	Q410	Q301	Q302	Q303	Q305
	B	0	0.3	2.9	0	0	0	6.2	1.5	5.6	0	0	0	0.7	13	1.5	0
	C	10	5	4.8	6.8	6.8	4	7.8	0.7	7.8	6.8	0	0	0	14	0.7	0
	E	0	3	5	0	0	0	8	0	5.1	0	0	0	0	15	0.5	0

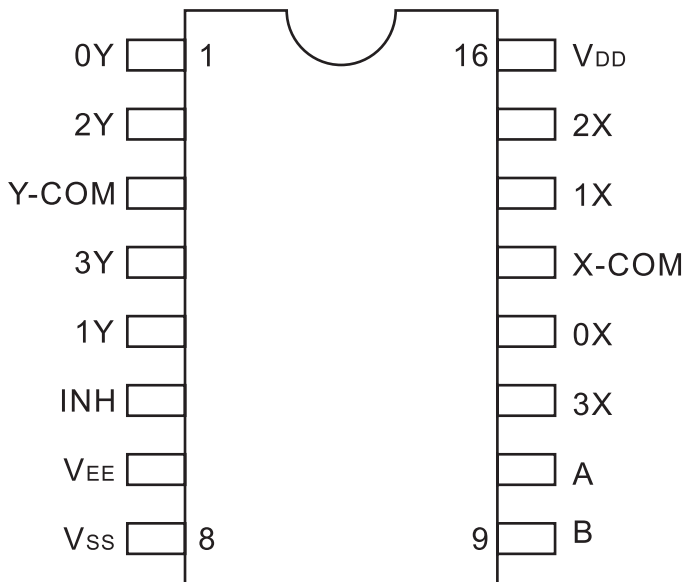
		Q306	Q307	Q308	Q310	Q312	Q313	Q1	Q3								
	B	11	7.2	1.3	1.5	1.5	1.5	6.8	6.8								
	C	10	7.6	0.7	6.8	6.8	6.8	10	11								
	E	14	8	0	0	0	0	6.2	6.2								

**REMARK : ALL THE DATA IN THE TABLE ARE FOR.REFERENCE ONLY
FOR FM.ST BAND , FM STEREO INDICATOR MUST BE ON.**

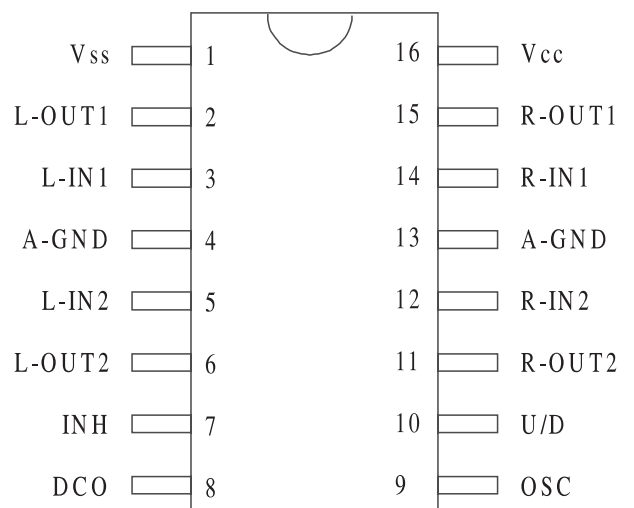
TA2149N



TC4052B

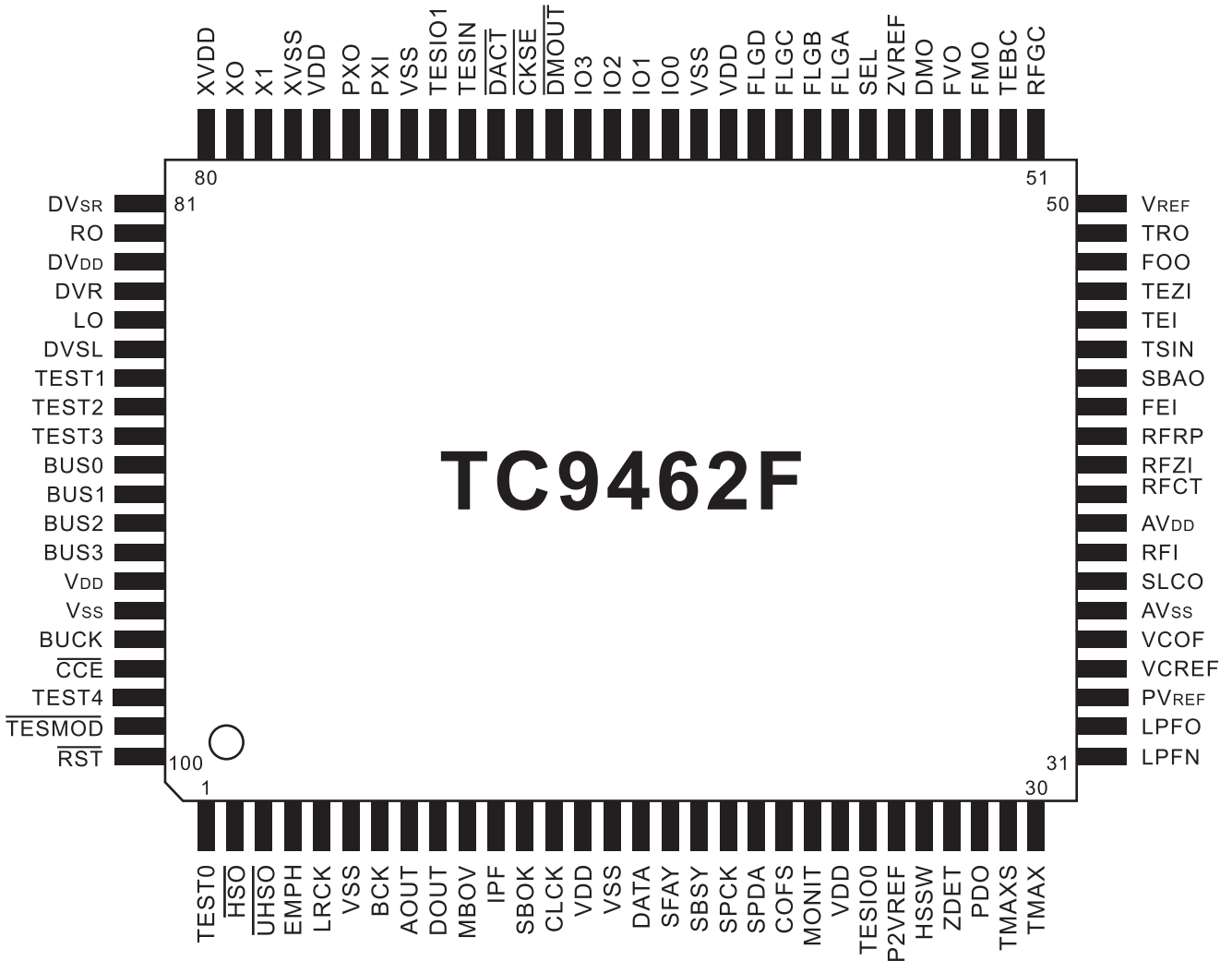
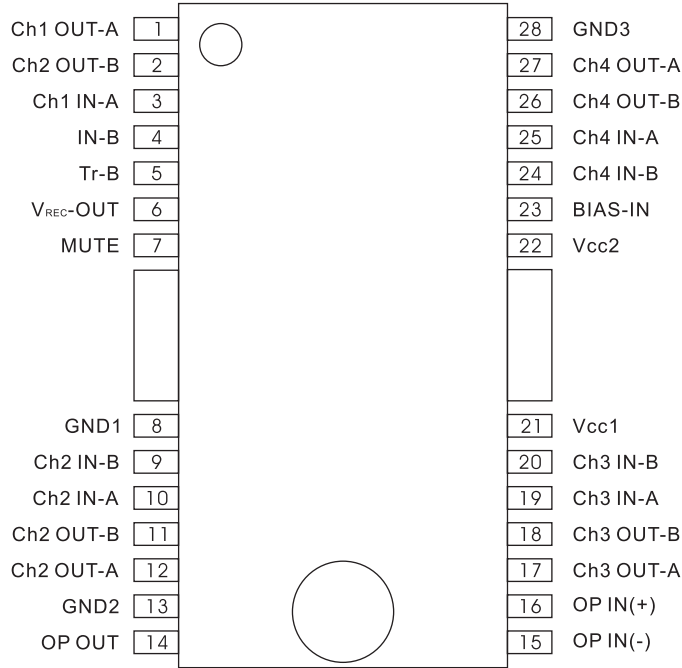


PT2253A



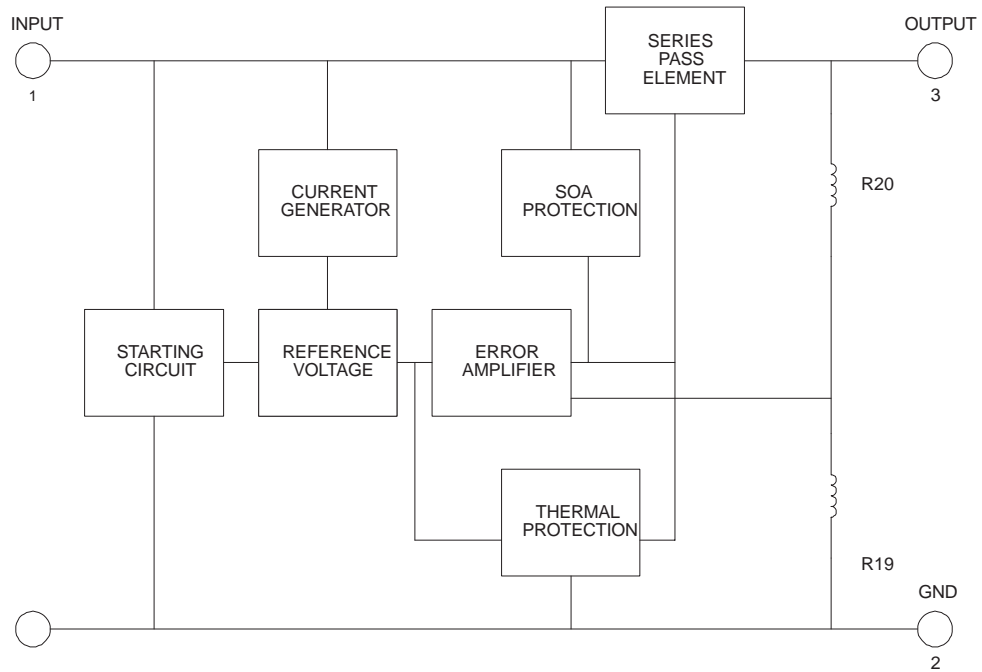
IC BLOCK DIAGRAM

MM1469XF

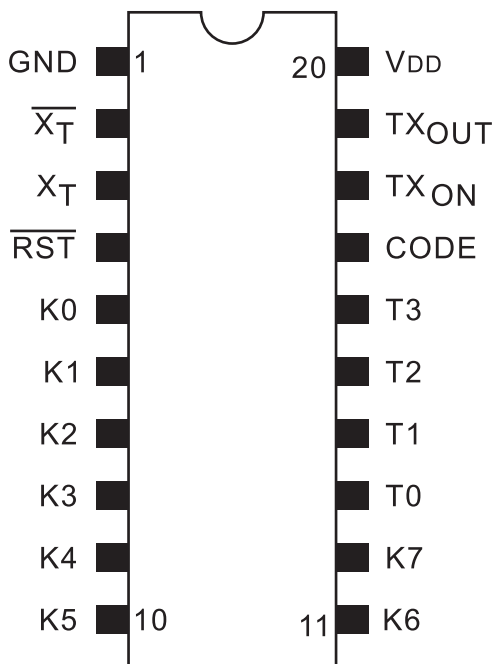


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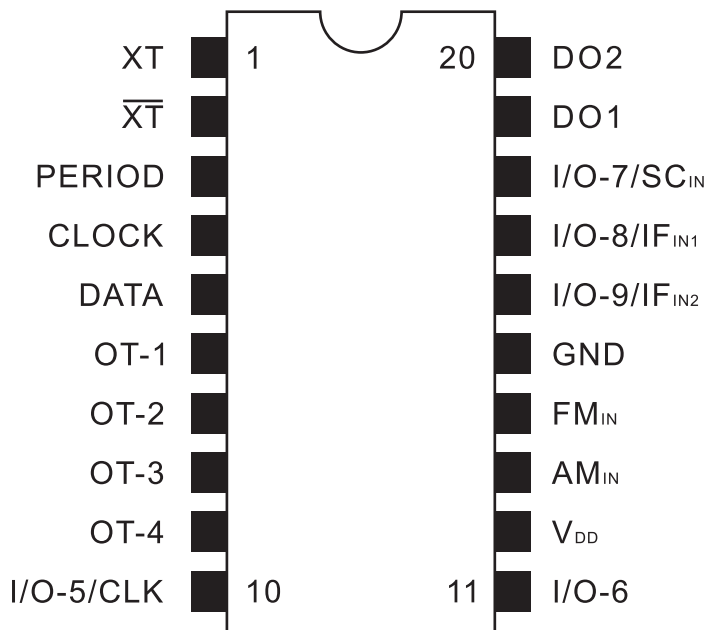
KA7808
KA7805



TC9243

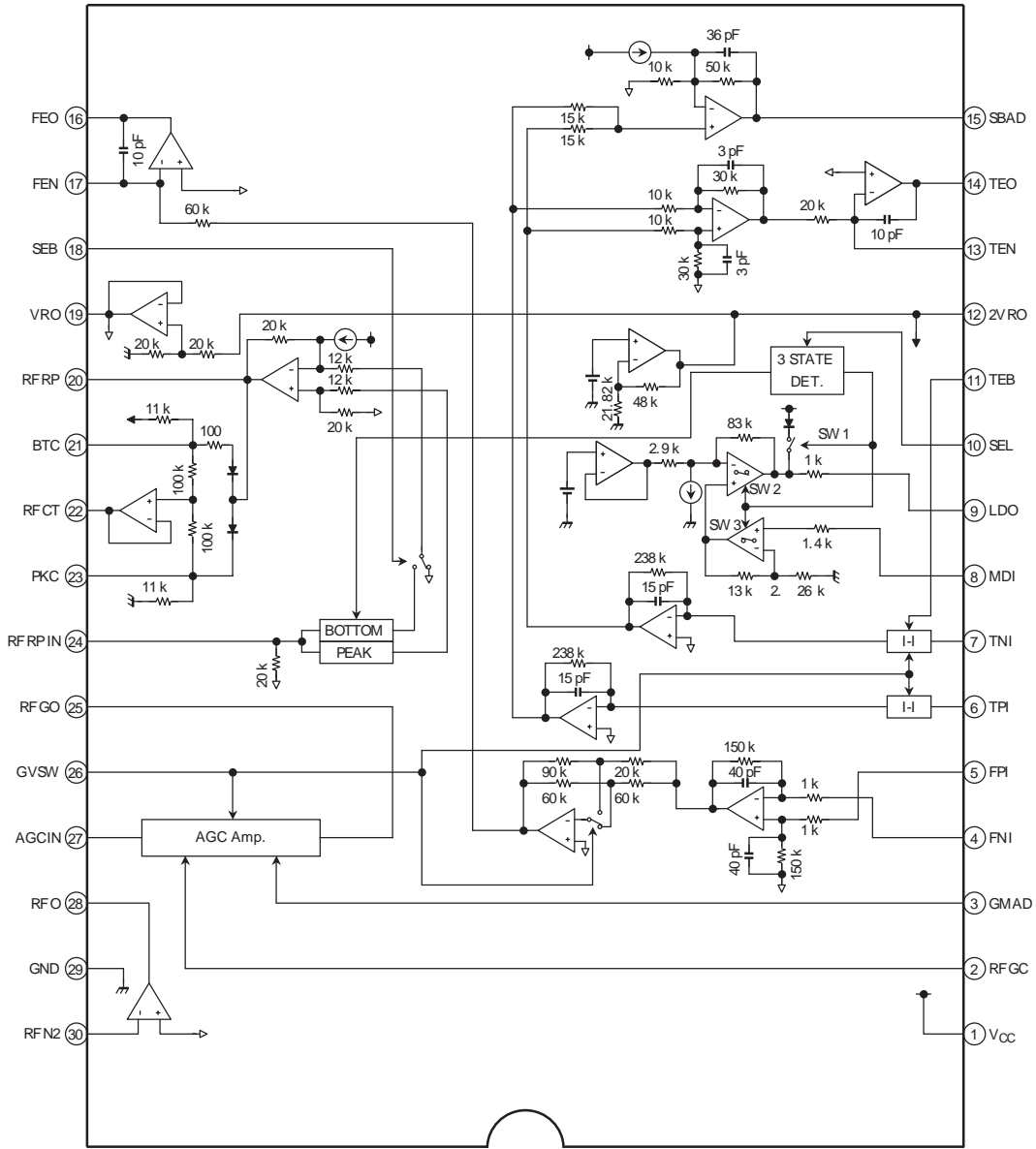


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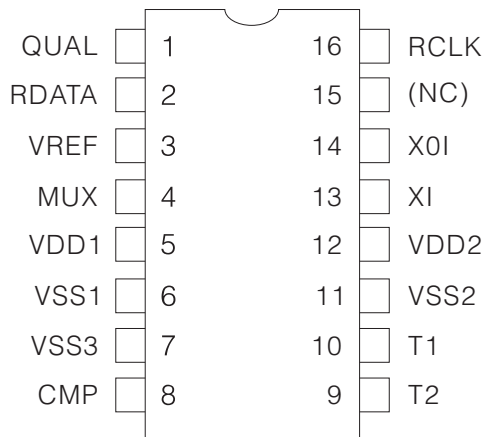


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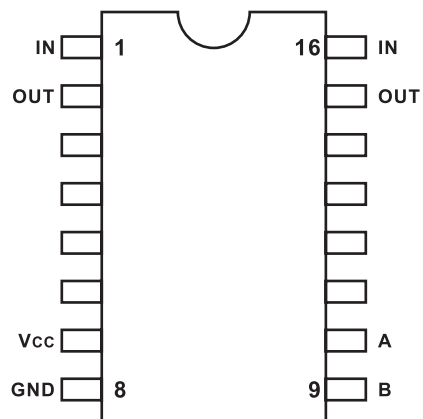
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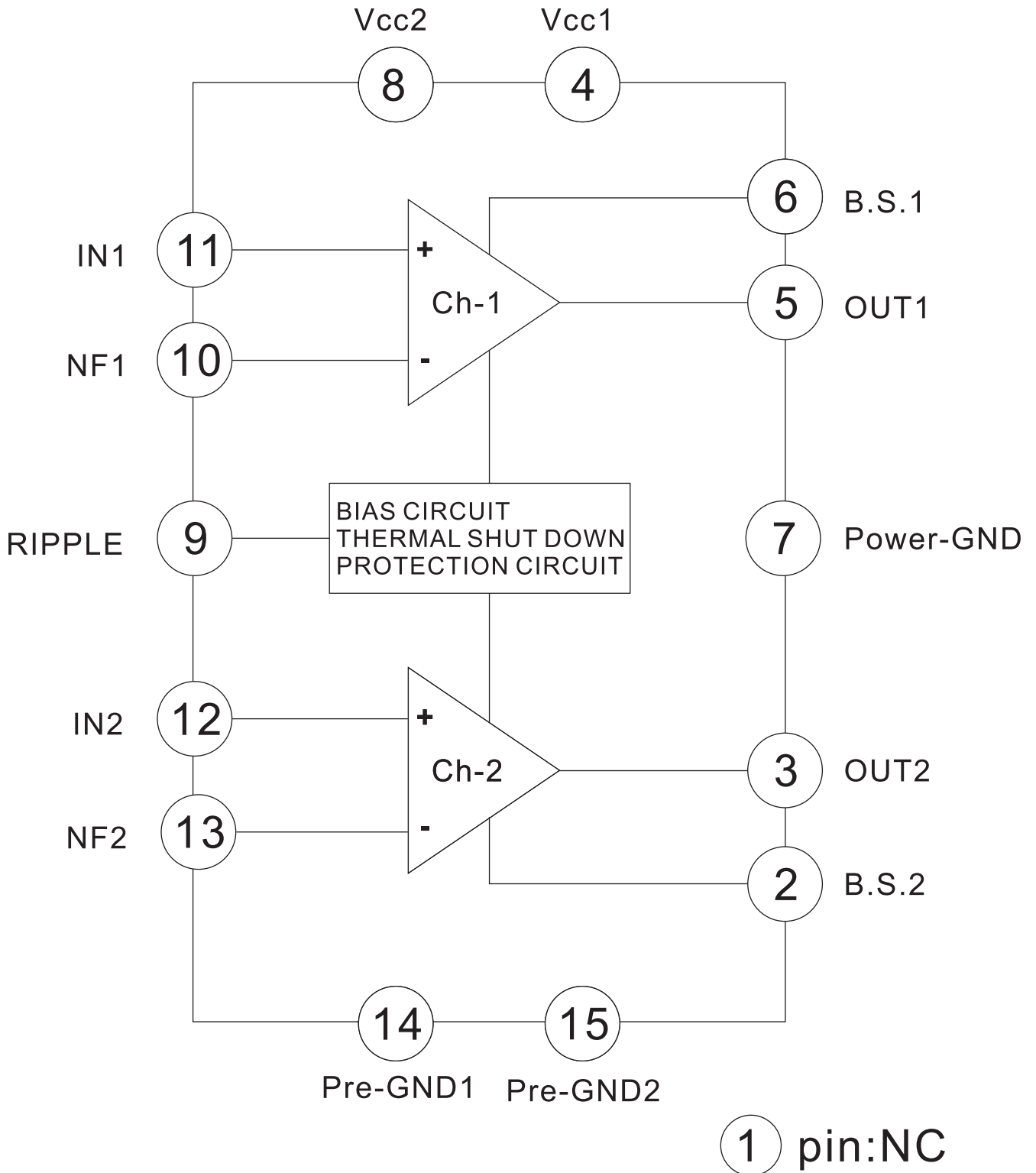


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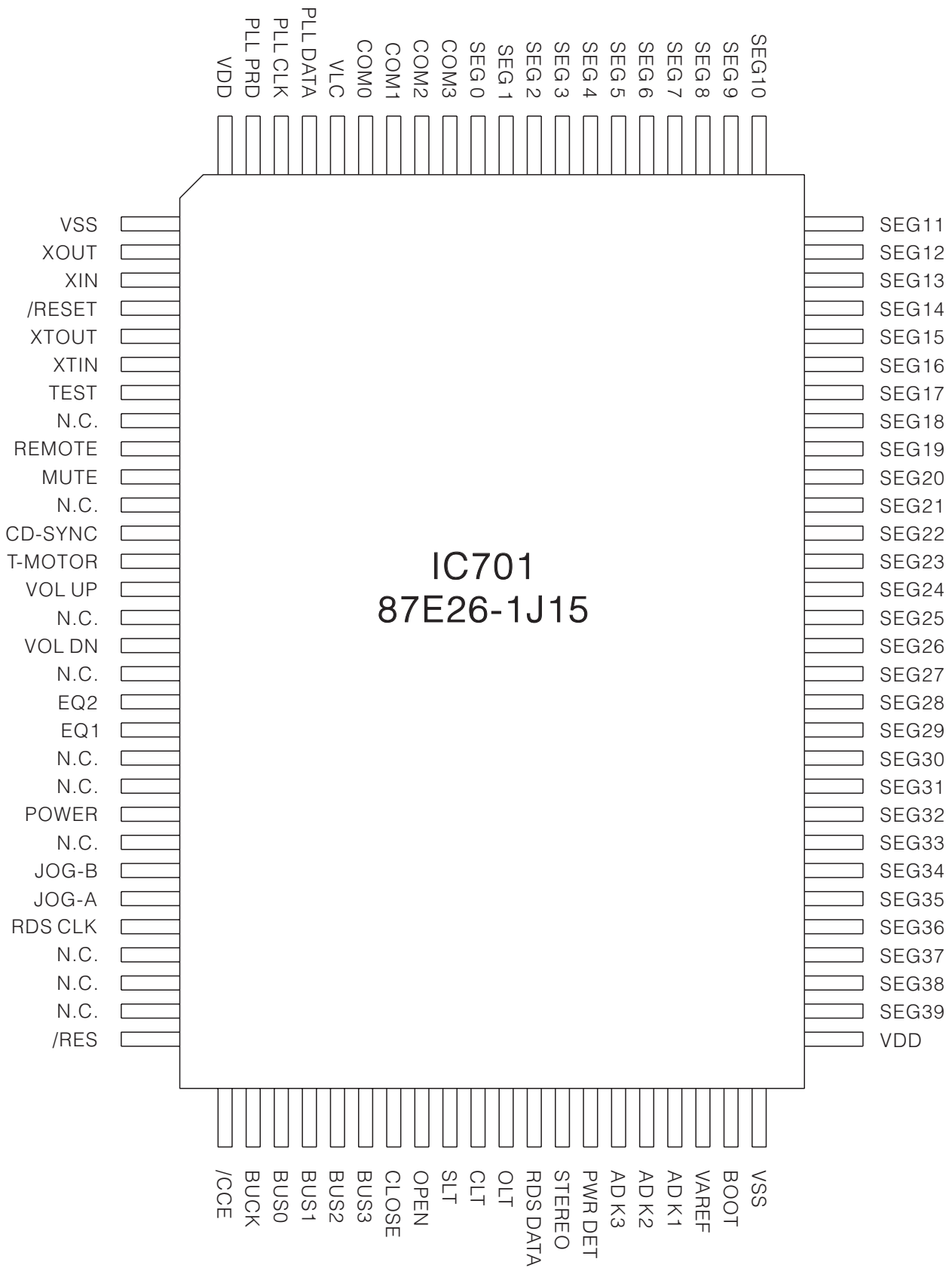


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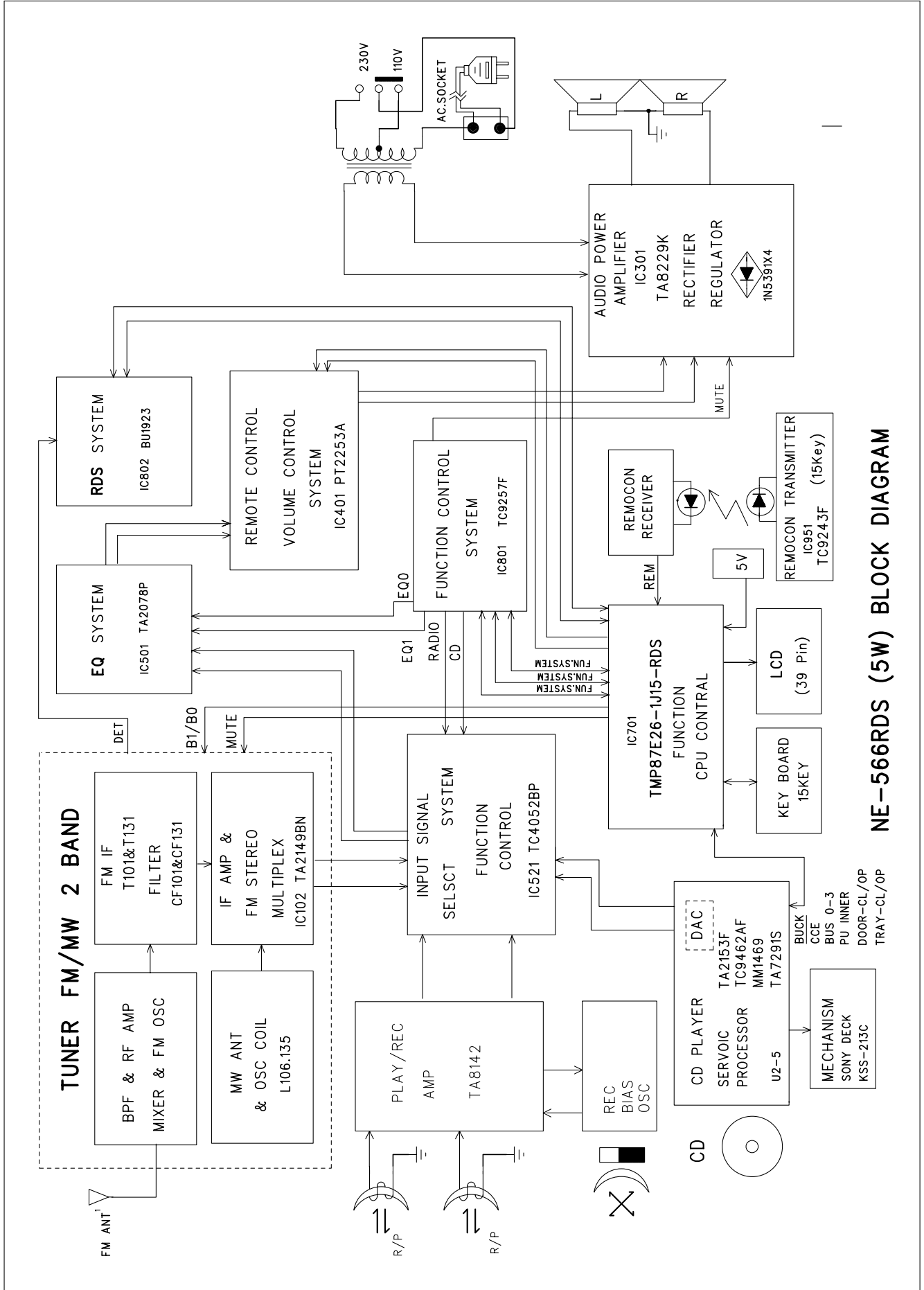
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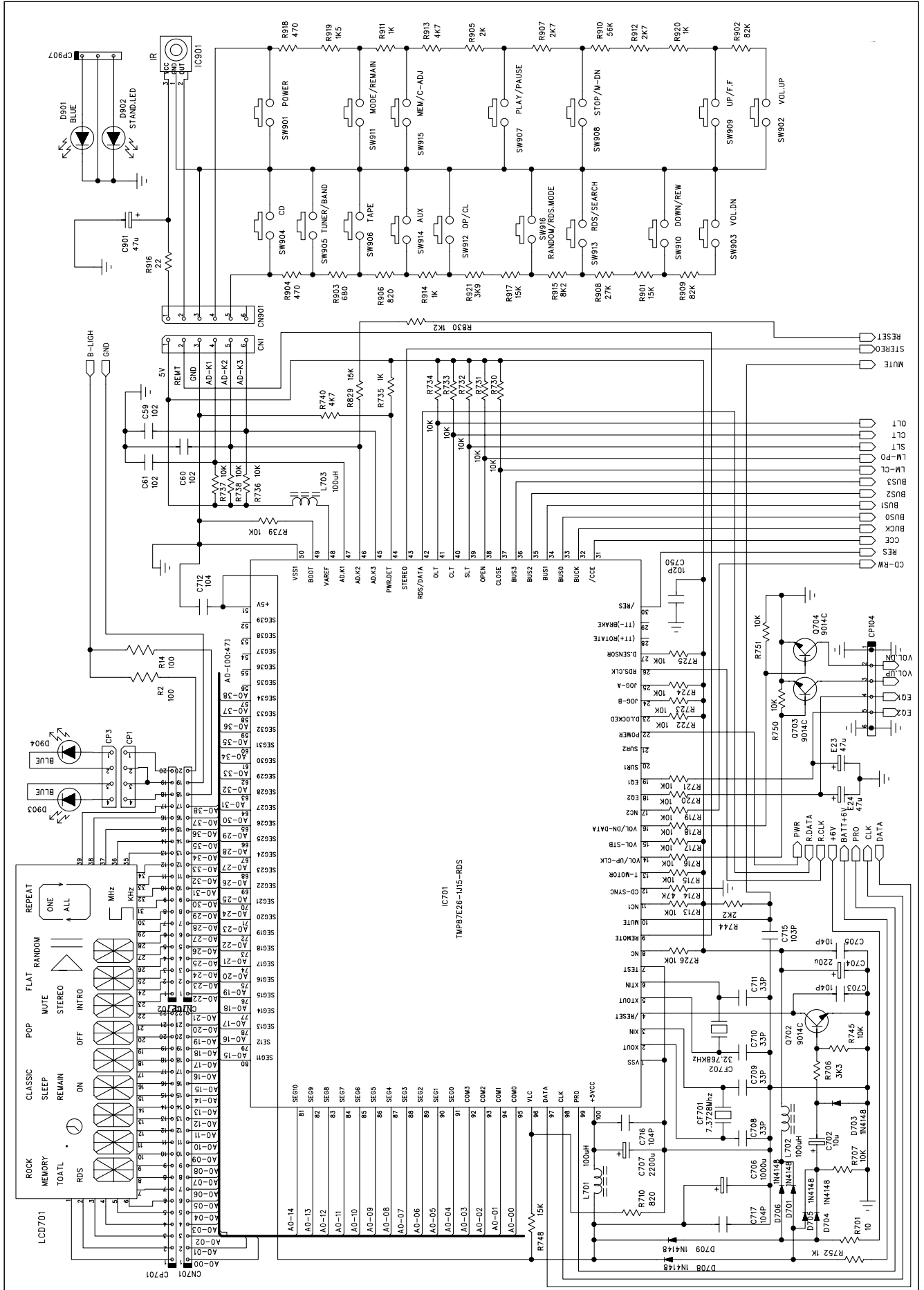


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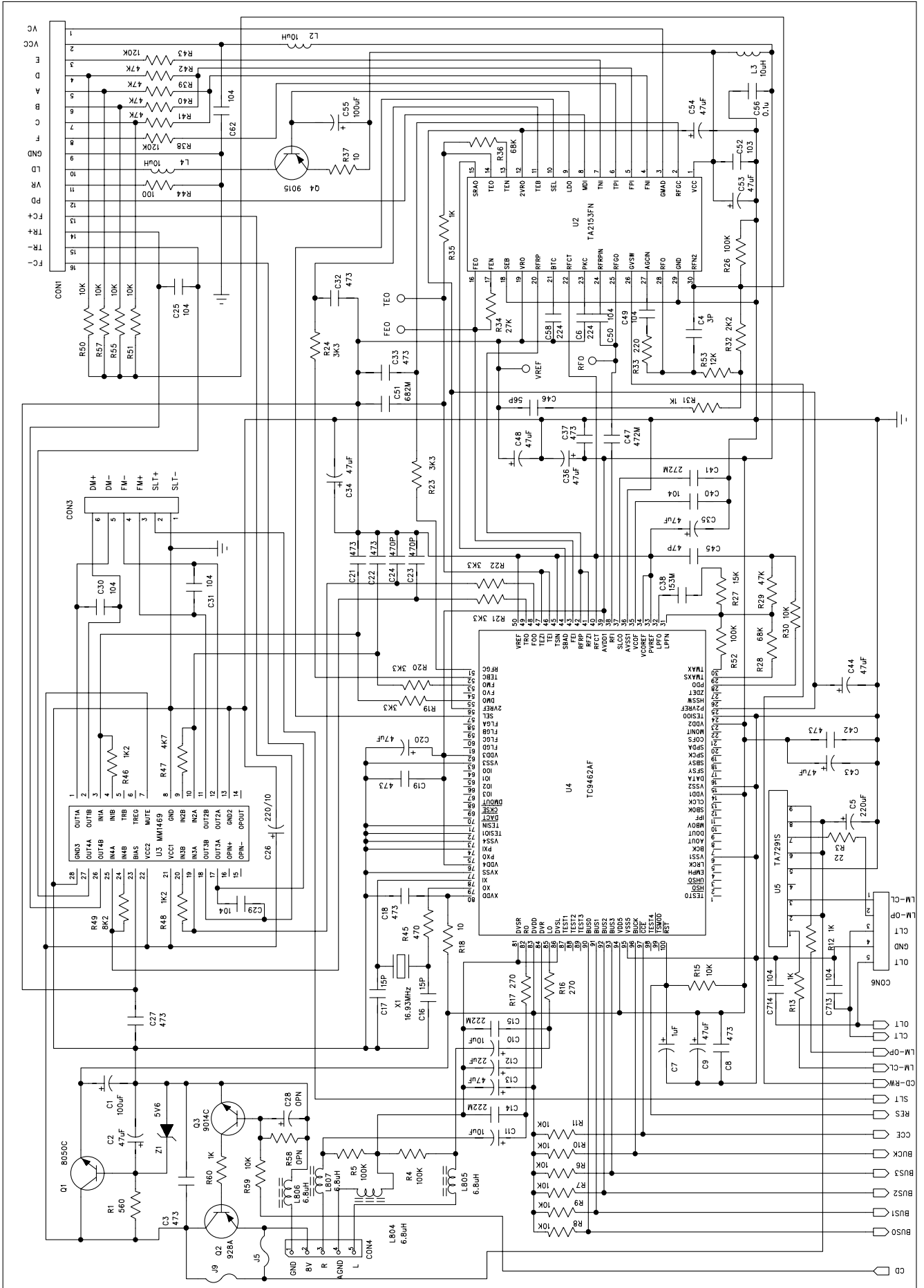


NE-566RDS (5W) BLOCK DIAGRAM

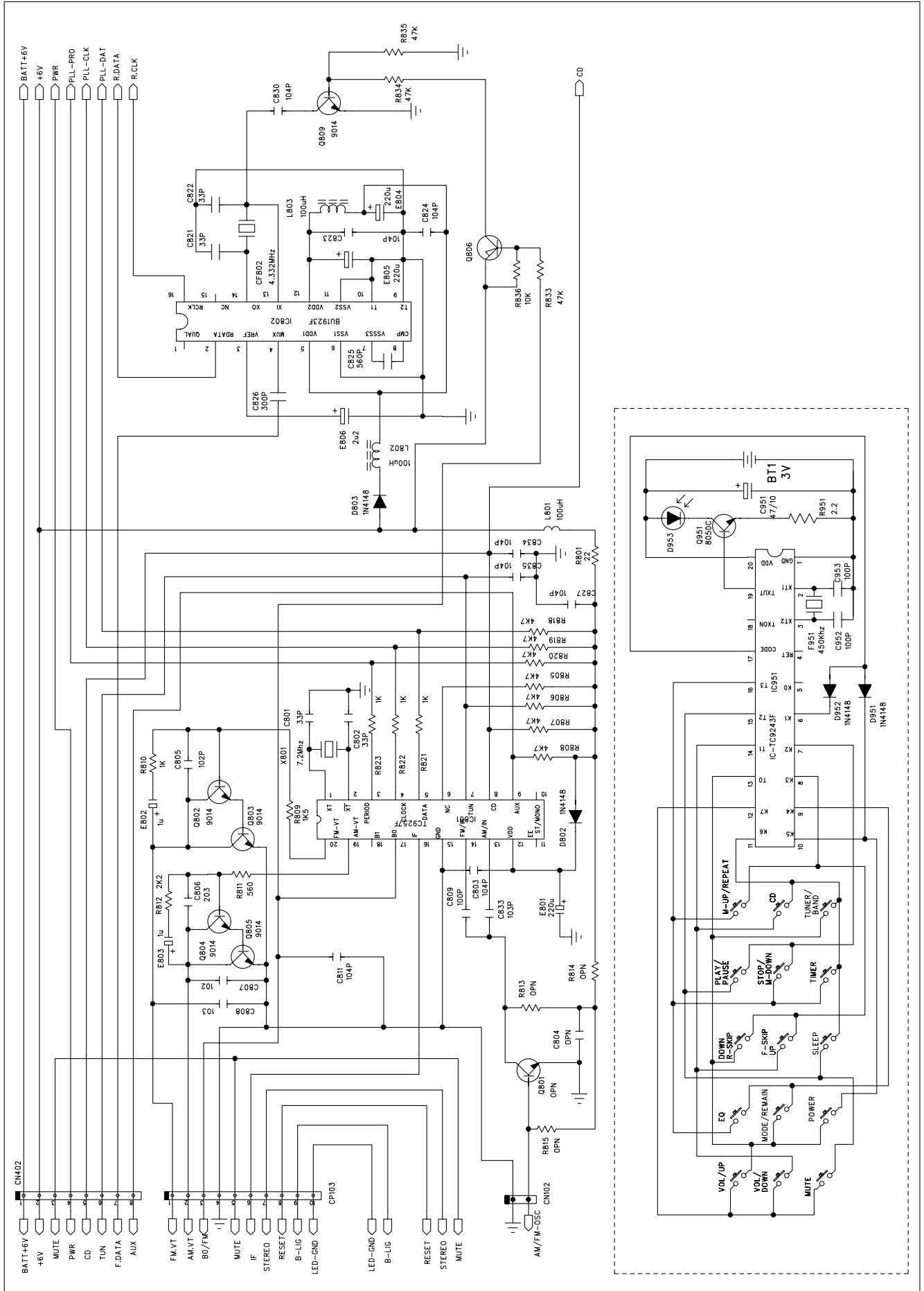
SCHEMATIC DIAGRAMS



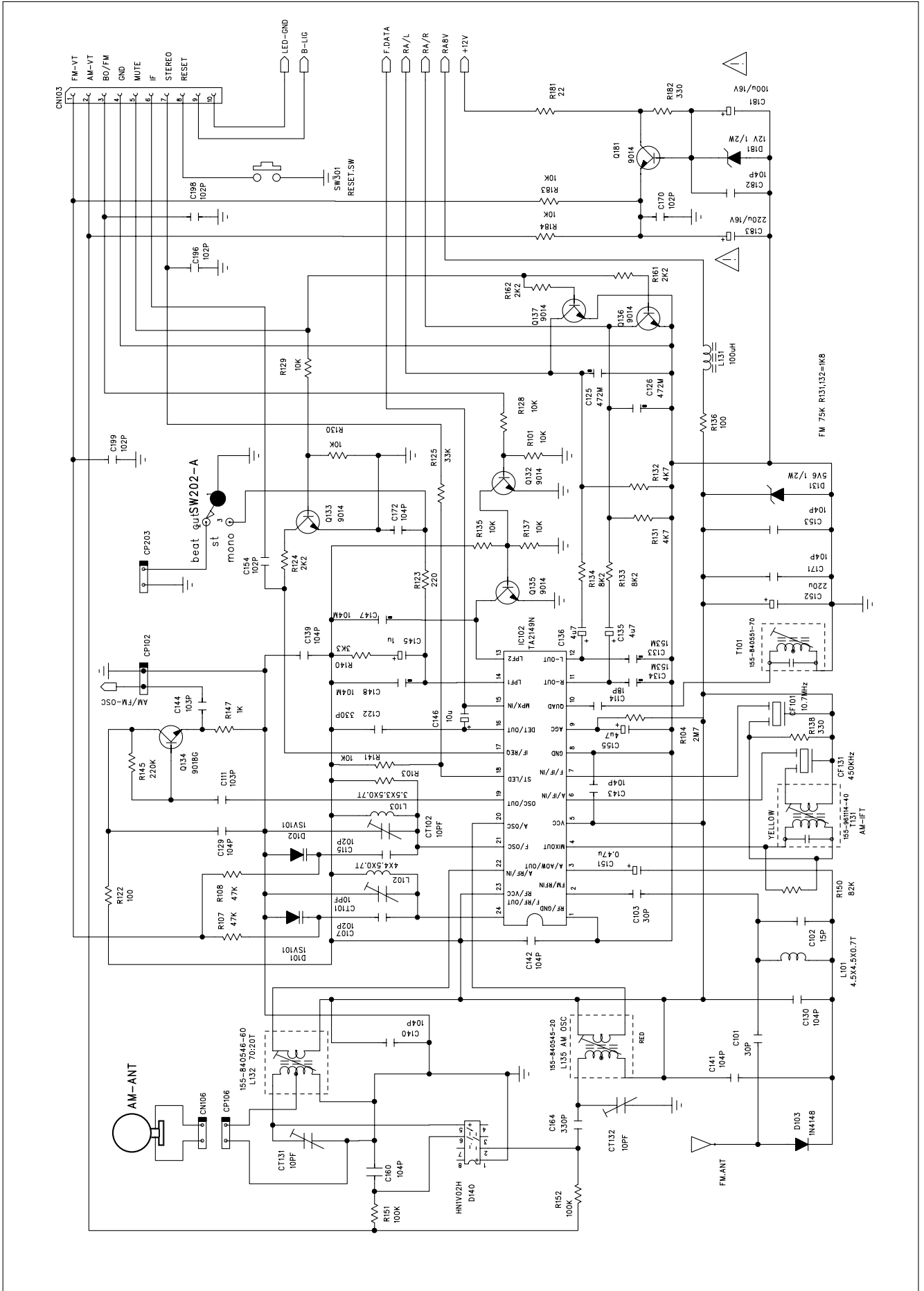
SCHEMATIC DIAGRAMS



SCHEMATIC DIAGRAMS

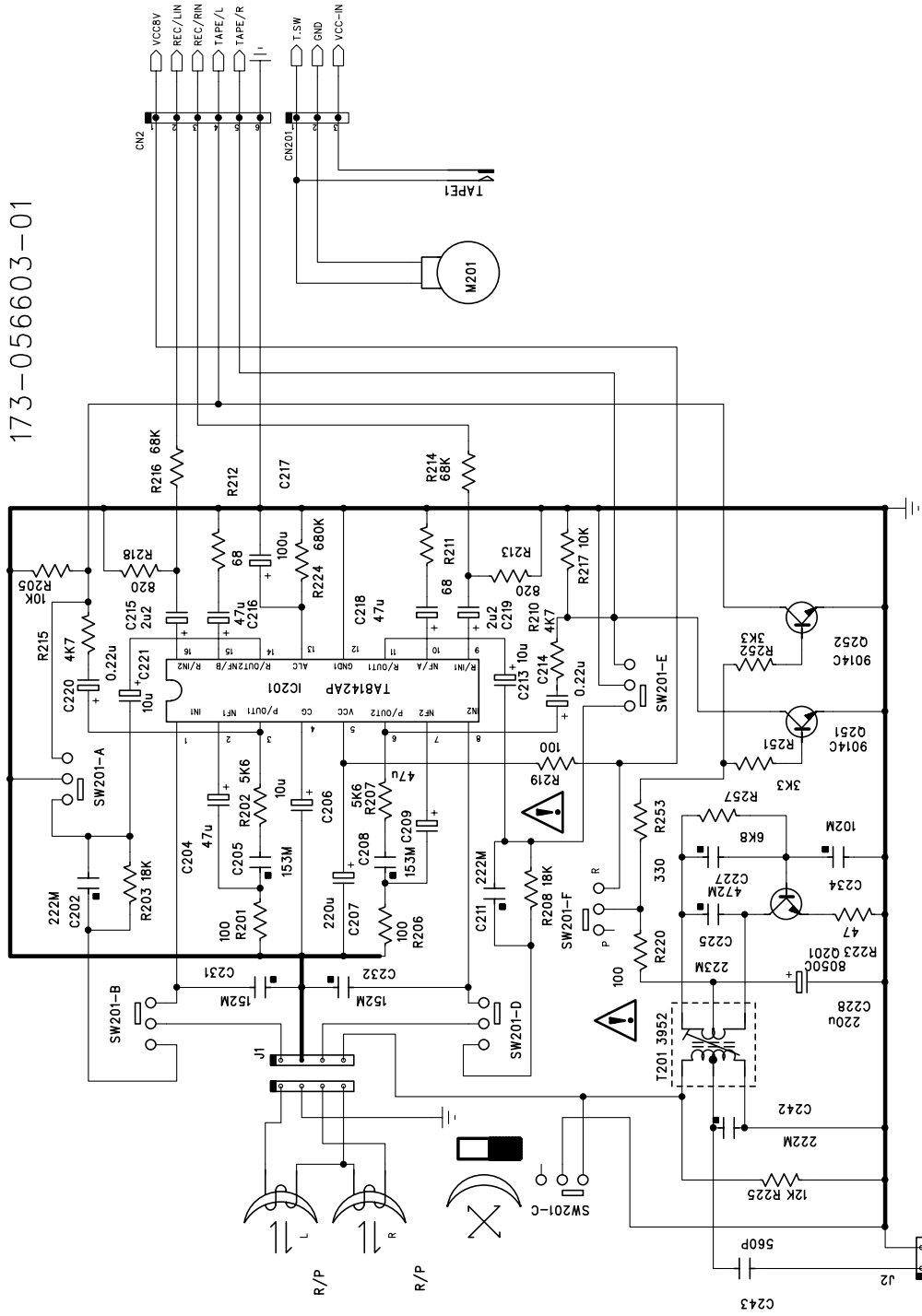


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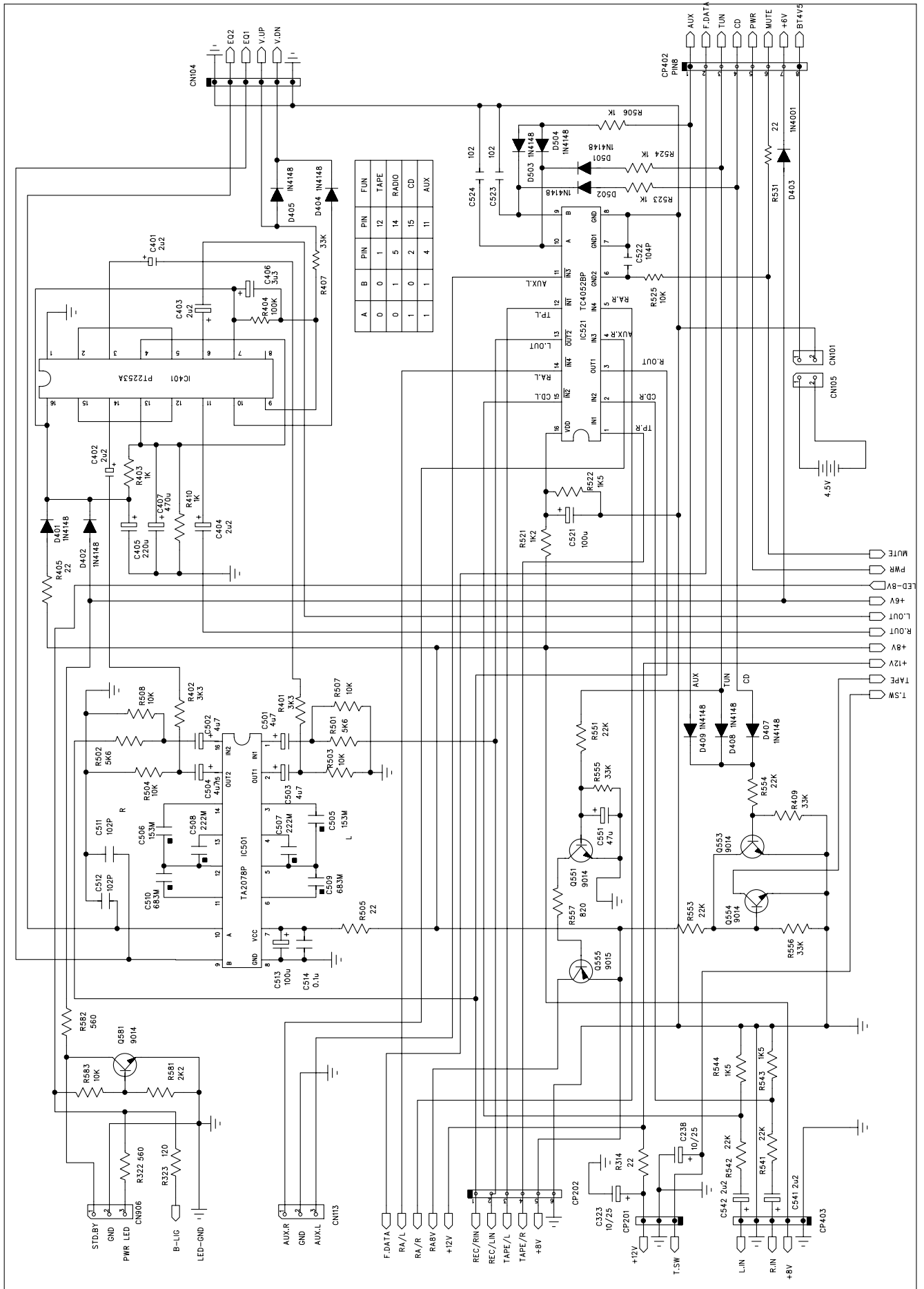


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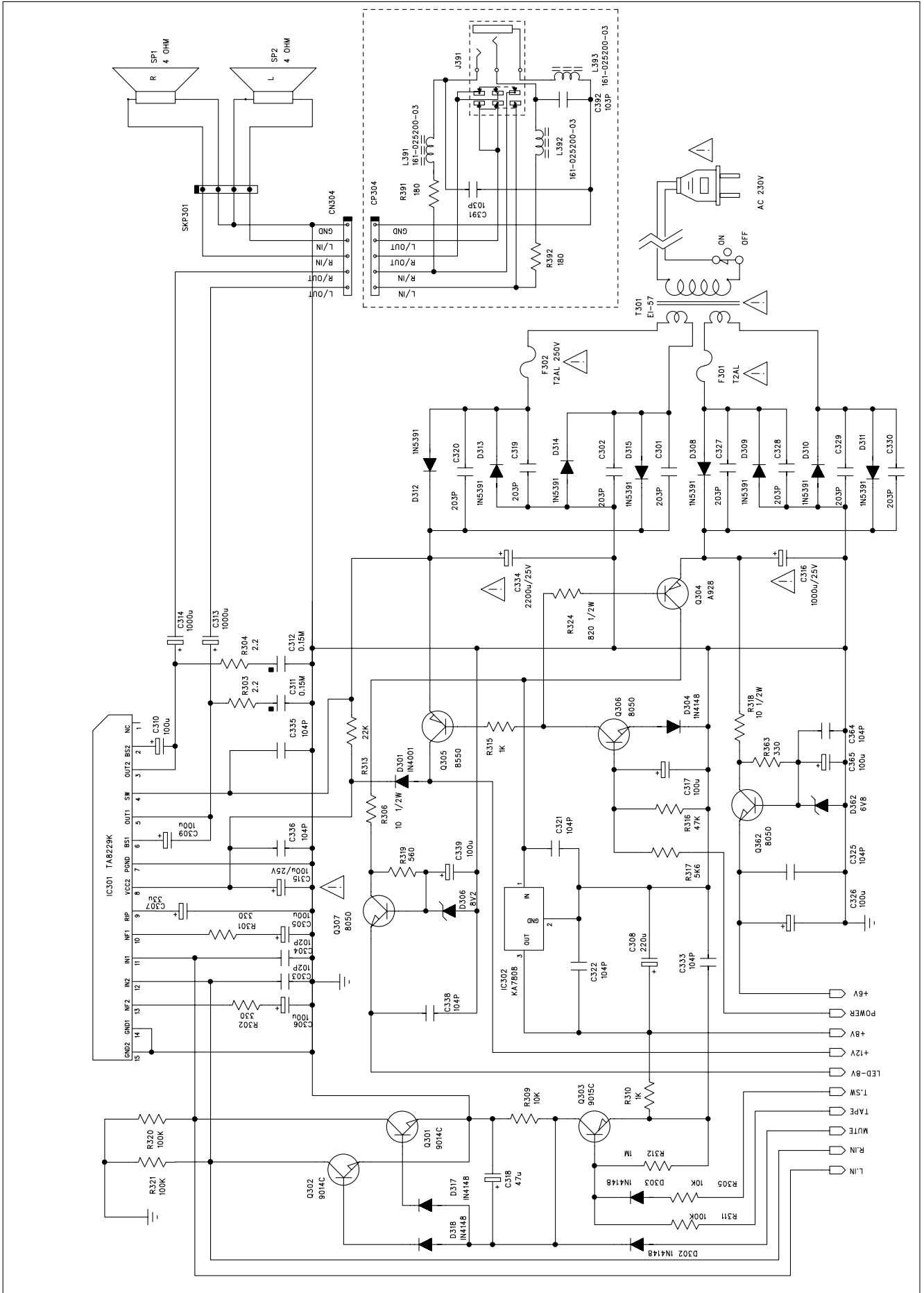
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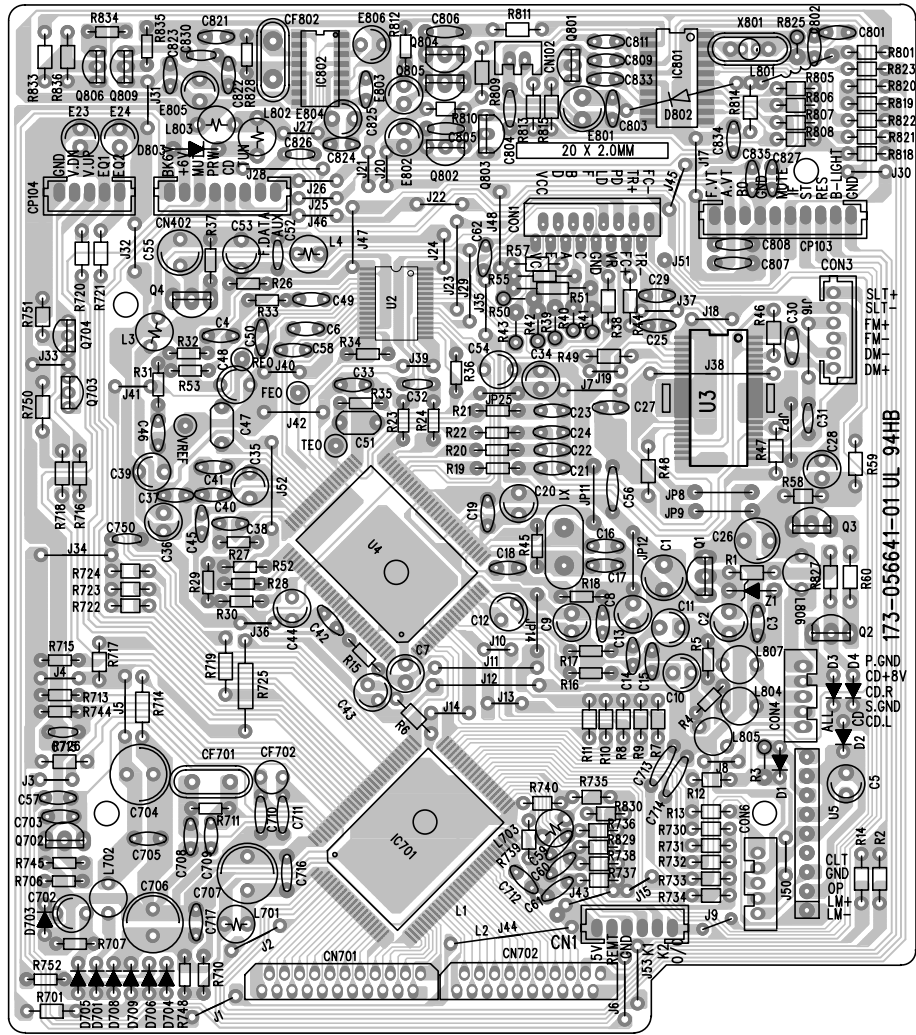
SCHEMATIC DIAGRAMS



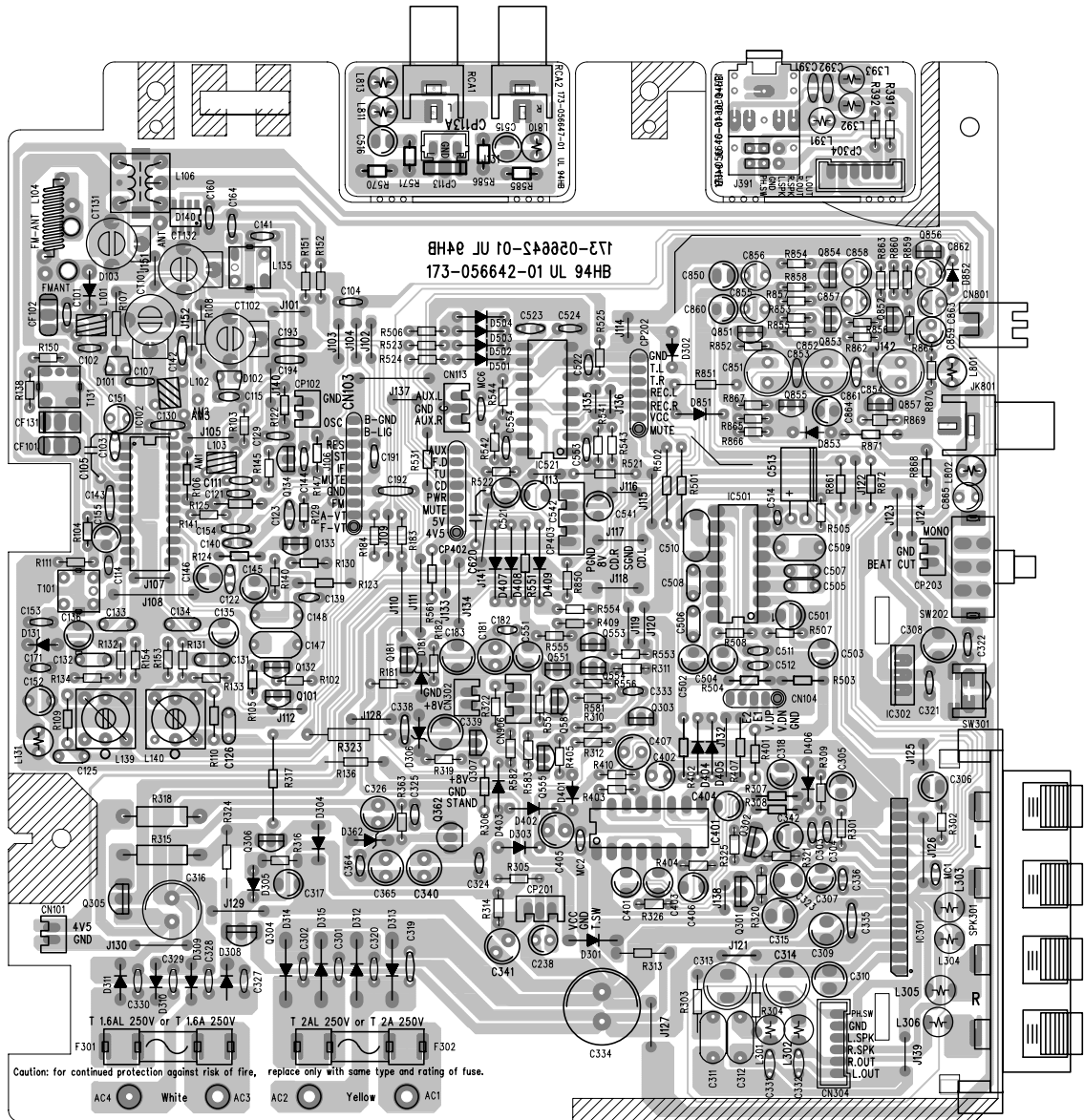
SCHEMATIC DIAGRAMS



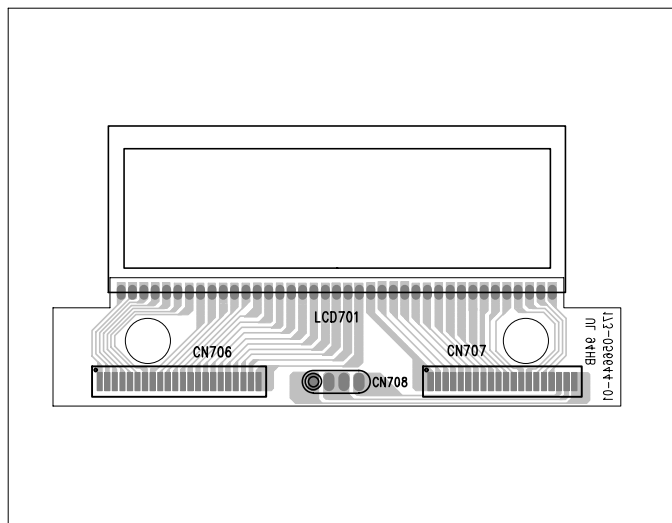
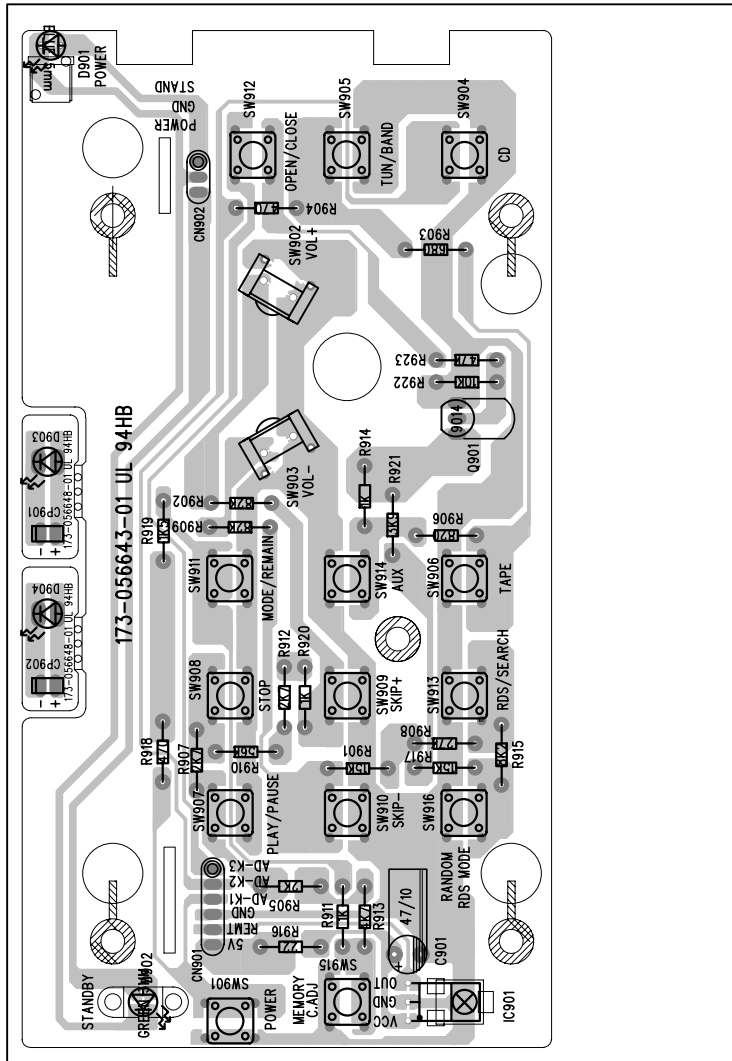
PRINTED CIRCUIT BOARDS



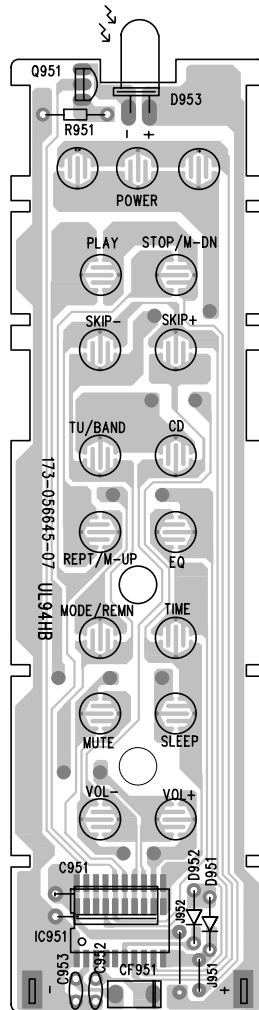
PRINTED CIRCUIT BOARDS



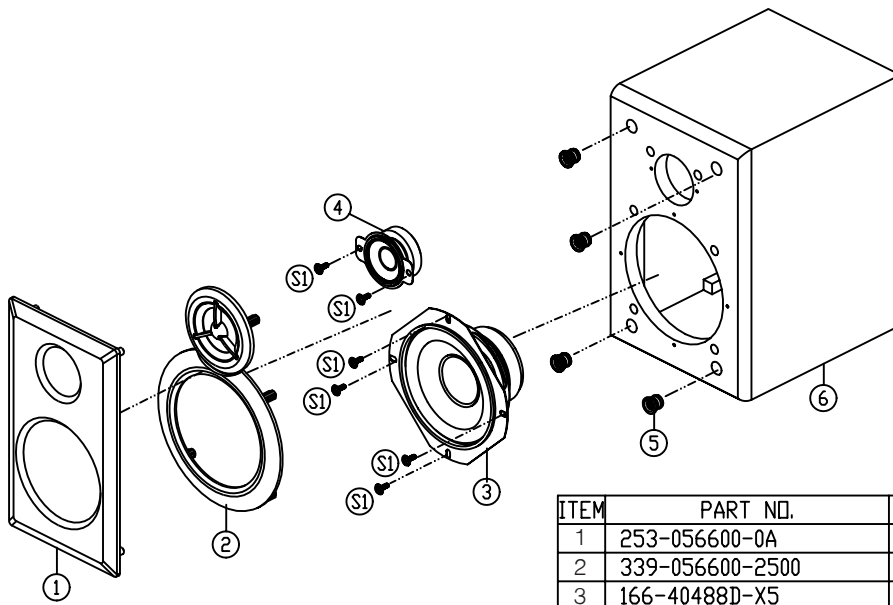
PRINTED CIRCUIT BOARDS



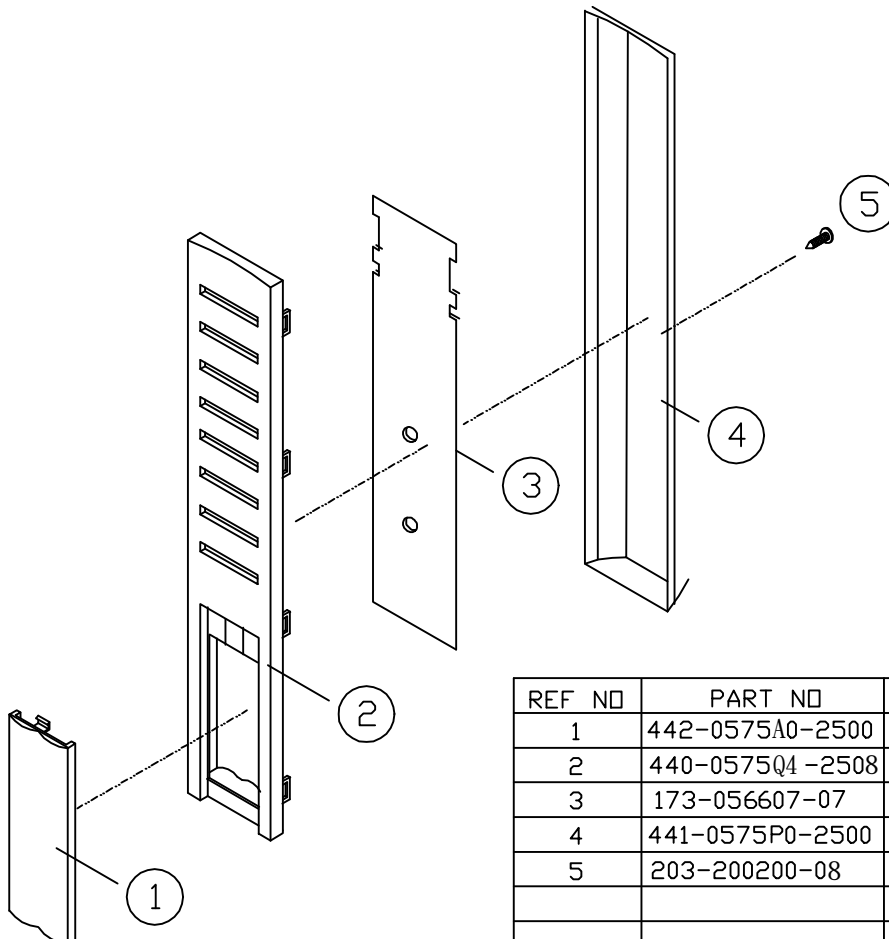
PRINTED CIRCUIT BOARDS



EXPLODED VIEW/PARTS LIST (CABINET)

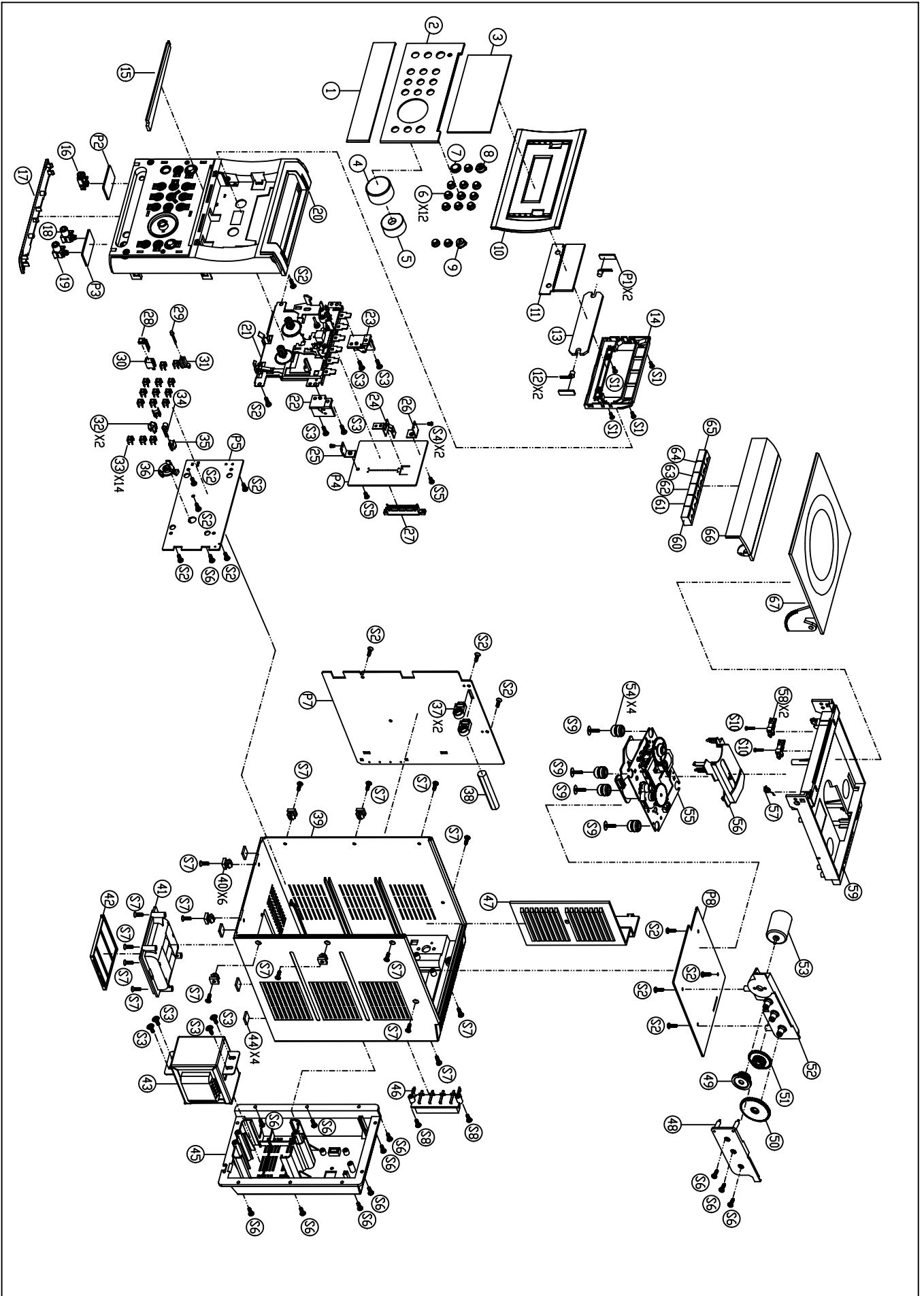


ITEM	PART NO.	DESCRIPTION	QTY
1	253-056600-0A	SPEAKER MASK	1
2	339-056600-2500	SPEAKER FRONT COVER	1
3	166-40488D-X5	SPEAKER	1
4	166-124890-00	TWEETER	1
5	25212-059200-01	RUBBER SP MASK FIXED	4
6	253-056611-01	WOODEN SPEAKER BOX	1
S1	203-300800-12	SCREW 3X12PWA	6



REF NO	PART NO	DESCRIPTION
1	442-0575A0-2500	REMOTE BATTERY DOOR
2	440-0575Q4-2508	REMOTE FRONT CAB.
3	173-056607-07	REMOTE BOARD
4	441-0575P0-2500	REMOTE REAR CAB.
5	203-200200-08	SCREW 2 x 8PA

EXPLODED VIEW/PARTS LIST (CABINET)



EXPLODED VIEW/PARTS LIST (CABINET)

ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
1	470-05660J-6500	JACK COVER	1	56	303-000072-0001	DUST COVER	1
2	330-056600-6500	FRONT PANEL	1	57	202-056602-01	CASS DOOR SPRING	1
3	367-056600-8KNO	CASS DOOR LENS	1	58	188-000400-00	LEAF SWITCH	2
4	400-056601-2409	VOLUME KNOB	1	59	374-056600-5Y20	CD BRACKET	1
5	463-05660V-1010	VOLUME ADAPTOR	1	60	425-056605-1R20	CASS KNOB - PAUSE	1
6	412-056600-2409	FUNCTION BUTTON	12	61	425-056604-1R20	CASS KNOB - STOP	1
7	336-056600-8990	IR LENS	1	62	425-056603-1R20	CASS KNOB - F.FWD	1
8	403-056603-2490	POWER BUTTON	1	63	425-056602-1R20	CASS KNOB - F.RFW	1
9	408-056607-2490	CD OPEN BUTTON	1	64	425-056601-1R20	CASS KNOB - PLAY	1
10	358-056600-6500	CASS DOOR	1	65	425-056600-1R20	CASS KNOB - REC	1
11	134-059554-07	LCD DISPLAY	1	66	357-056600-6500	CASS KNOB COVER	1
12	149-050624-40	HIGH INTENSITY LED	2	67	371-056600-8MCO	CD DOOR	1
13	020-056694-06	LED BRACKET BOARD	1				
14	461-056602-1100	DISPLAY BRACKET	1				
15	337-056600-3890	LIGHT LENS	1	P1	173-056609-01	BACKLGTGHT "L" PCB	2
16	177-023502-01	STEREO JACK	1	P2	173-055608-01	EARPHONE JACK BOARD	1
17	331-056600-6500	LOWER PANEL	1	P3	173-056606-01	AUX BOARD	1
18	177-060000-25	RCA JACK(REDF)	1	P4	173-056603-01	R/P AC BIAS W/BEST CUT	1
19	177-060000-26	RCA JACK(WHITE)	1	P5	173-056605-01	FUNCTION KEY BOARD	1
20	311-056600-6500	FRONT CABINET	1				
21	218-080010-02	DECK MECH	1	P7	173-056601-01	AM/F+ AUDIO AF BOARD	1
22	461-056601-1010	MOUNTING BRACKET - R	1	P8	173-056602-01	CD SERVO BOARD	1
23	461-056600-1010	MOUNTING BRACKET - L	1				
24	202-081807-02	RECORDING PLATE	1				
25	202-057511-01	REC PCB MIG. BRACKET(A)	1	S1	203-260700-08	SCREW 2.6X8KA	4
26	202-057512-01	REC PCB MIG. BRACKET(B)	1	S2	203-300200-10	SCREW 3X10PA	18
27	185-062310-01	REC.SWITCH	1	S3	203-300200-14	SCREW 3X14PA	8
28	133-6038LM-5A	IR RECETVER MODULE	1	S4	204-200000-04	SCREW 2X4PM	2
29	148-030200-40	LED	1	S5	204-300000-06	SCREW 3X6PM	2
30	461-05660S-1010	SENSOR BRACKET	1	S6	203-300900-12	SCREW 3X12BA	13
31	462-056607-1010	POWER LED HOLDER	1	S7	203-300700-10	SCREW 3X10KA	16
32	188-011531-02	TACT SWITCH	2	S8	203-300203-10	SCREW 3X10PA	2
33	188-011511-01	TACT SWITCH	14	S9	207-261600-10	SCREW 2.6X10PWB-10W	4
34	149-050624-10	HIGH INTNSITY LED	1	S10	203-200200-10	SCREW 2X10PA	2
35	462-05660A-1010	MUTE LED HOLODER	1				
36	150-007808-26	VOL TAGE REGULATOR	1				
37	301-000000-1500	BAR HOLDER	2				
38	183-100060-02	FERRITF BAR	1				
39	322-056600-5Y20	REAR CABINET	1				
40	303-000090-0101	MOUNTING POST REV.	6				
41	381-057510-5Y20	BATTERY BOX	1				
42	380-057510-5Y20	BATTERY DOOR	1				
43	156-582313-02	X'FORMER	1				
44	262-111120-10	RUBBER FOOT	4				
45	329-0595J0-5Y20	REAR COVER	1				
46	177-070000-01	SPEAKER TERMINAL	1				
47	202-057506-01	HEST SINK	1				
48	461-05660G-1010	GEAR BRACKET	1				
49	460-056602-1010	BELT GEAR	1				
50	460-056600-1010	DRIVF GEAR	1				
51	460-056601-1010	ADAPTOR GEAR	1				
52	461-05660M-1010	MOTOR BRACKET	1				
53	143-060295-12	MOTOR	1				
54	213-000005-16	CUSHION RUBBER	4				
55	219-DA11B3-N3	CD MECHANISM	1				

Component list with price

PART NO.	DESCRIPTION	UNIT	QTY. PER
001-056664-22	NE-566RDS AUX JACK BOARD W/EMC	SE	1
177-060000-25	RCA JACK PCB TYPE (RED) RS-105-02	PC	1
177-060000-26	RCA JACK PCB TYPE (WHITE) RS-105-04	PC	1
114-472012-05	RESISTOR (1/16W) 4.7K OHM ?% HIGH GRADE	PC	2
114-473012-05	RESISTOR (1/16W) 47K OHM ?% HIGH GRADE	PC	2
120-225502-20	E. CAP 50V 2.2UF +/- 20% HIGH GRADE ?5 x 11MM	PC	2
160-689101-00	CHOKO COIL 6.8uh ?10% R0108-CW45-6R8K-820128	PC	3
173-056647-0101	NE-566RDS AUX BOARD REV.1 38x22.8x1.6MM UL 94HB	PC	1
195-200011-03	WAFER JS-1125-3S / JM 24181-3 PH-3A 180?3 POLES 2.0 PTICH	PC	1
001-056673-22	NE-566RDS 4.5W PHONE BD. W/EMC	SE	1
177-023502-01	STEREO JACK EJ-3506-202 W/SW	PC	1
194-232020-05	28# FLAT CABLE 200MM W/HOUSING JS-1124-5 2.0 PITCH	PC	1
114-181201-05	RESISTOR 180 OHM 1/4W ?%	PC	2
121-103500-82	C.CAP 0.01 UF (50V) +80,-20%	PC	2
160-689101-00	CHOKO COIL 6.8uh ?10% R0108-CW45-6R8K-820128	PC	3
173-056646-01	NE-566RDS EARPHONE JACK BOARD 34.5x22.8x1.6MM UL 94HB	PC	1
001-056680-21	NE-566P+RDS R/P AC BIAS W/BEAT CUT BOARD(TA8142AP)	SE	1
185-062311-01	REC. SWITCH PS-62D01 <300gf W/ SHORTING, PS-62D03 (SHUN KAI)	PC	1
194-242025-02	28# UL1533 SHIELD WIRE 250 MM W/HOUSING S2M-2H	PC	1
114-101012-05	RESISTOR (1/16W) 100 OHM ?% HIGH GRADE	PC	4
114-103012-05	RESISTOR (1/16W) 10K OHM ?% HIGH GRADE	PC	2
114-123012-05	RESISTOR (1/16W) 12K OHM ?% HIGH GRADE	PC	1
114-183012-05	RESISTOR (1/16W) 18K OHM ?% HIGH GRADE	PC	2
114-272012-05	RESISTOR (1/16W) 2.7K OHM ?% HIGH GRADE	PC	2
114-331012-05	RESISTOR (1/16W) 330 OHM ?% HIGH GRADE	PC	1
114-332012-05	RESISTOR (1/16W) 3.3K OHM ?% HIGH GRADE	PC	2
114-470012-05	RESISTOR (1/16W) 47 OHM ?% HIGH GRADE	PC	1
114-562012-05	RESISTOR (1/16W) 5.6K OHM ?% HIGH GRADE	PC	2
114-680011-05	RESISTOR 68 OHM 1/16W ?%	PC	2
114-681012-05	RESISTOR (1/16W) 680 OHM 5% HIGH GRADE	PC	2
114-682012-05	RESISTOR (1/16W) 6.8K OHM ?% HIGH GRADE	PC	1
114-683012-05	RESISTOR (1/16W) 68K OHM ?% HIGH GRADE	PC	2
114-684012-05	RESISTOR (1/16W) 680K OHM ?% HIGH GRADE	PC	1
120-106402-20	E. CAP (25V) 10UF +/- 20% HIGH GRADE ?5 x 11MM	PC	3
120-107102-20	E.CAP (10V) 100UF ?0%	PC	1

Component list with price

PART NO.	DESCRIPTION	UNIT	QTY. PER
120-224502-20	HIGH GRADE ?5 x 11MM E. CAP 50V 0.22UF +/- 20%	PC	2
120-225502-20	HIGH GRADE ?5 x 11MM E. CAP 50V 2.2UF +/- 20%	PC	2
120-227100-82	HIGH GRADE ?5 x 11MM E.CAP 220 UF 10V +80% -20%	PC	2
120-476302-20	?6 x 11MM E. CAP (16V) 47UF +/- 20%	PC	4
121-101500-10	HIGH GRADE ?5 x 11MM C.CAP 100 PF (50V) ?0%	PC	2
121-102500-82	C.CAP 0.001 UF (50V) +80,-20%	PC	2
121-203500-82	C.CAP 0.02 UF (50V) +80,-20%	PC	2
121-561502-10	C. CAP 560P 50V +/- 10%	PC	1
123-102100-10	MYLAR CAP 0.001 UF 50V ?10%	PC	2
123-152100-10	MYLAR CAP 0.0015 UF 50V ?10%	PC	2
123-153100-10	MYLAR CAP 0.015 UF 50V ?0%	PC	2
123-182100-10	MYLAR CAP 0.0018 UF	PC	2
123-183100-10	MYLAR CAP 0.018 UF 50V ?0%	PC	1
123-222100-10	MYLAR CAP 0.0022 UF 50V ?0%	PC	1
123-472100-10	MYLAR CAP 0.0047 UF 50V ?10%	PC	1
131-08050C-38	TRANSISTOR S8050C HI LITE CENTRE B	PC	1
131-09014C-38	TRANSISTOR S9014C HI LITE CENTRE B	PC	2
150-8142AP-14	IC TOSHIBA TA8142AP	PC	1
155-961115-A0	AC BIAS OSC N961115 BLACK 12DM #NOME?	PC	1
173-056603-0102	NE-566P R/P BOARD REV.2 84x66.5x1.6MM UL 94HB	PC	1
178-000505-01	COPPER WIRE L = 50 MM	PC	7
195-200011-06	WAFER JS-1125-6S / JM 24181-6 PH-6A 180?6 POLES 2.0MM PITCH	PC	1
195-B00001-04	WAFER JS-1001-A4 180?4 POLES	PC	1
001-056695-21	NE-566RDS FUNCTION KEY BOARD	SE	1
133-6038LM-5A	IR RECEIVER MODULE FM-6038LM- 5A "OPTO-SENSOR" 180?	PC	1
148-030200-40	LED ?3MM (GREEN) (LONG) "SGP" "204GD"	PC	1
149-050624-30	High Intensity LED Blue 120Deg HKL-504SBCK-2 FLAT HEAD "LED"	PC	1
188-011511-01	TACT SWITCH 1102-2 H 4.3MM 160 ?30gf	PC	14
188-011531-02	TACT SWITCH 1102VA-2 H 1.4MM 160 +/-30gf	PC	2
194-232015-06	28# FLAT CABLE 150MM W/HOUSING JS-1124-6 2.0 PITCH	PC	1
194-232018-03	28# FLAT CABLE 180MM W/HOUSING JS-1124-3 2.0 PITCH	PC	1
461-05660S-1010	SENSOR BRACKET INJ ABS BLACK	PC	1
462-056607-1010	POWER LED HOLDER INJ ABS BLACK	PC	1
462-05660A-1010	MUTE LED HOLDER INJ ABS BLACK	PC	1
114-102012-05	RESISTOR (1/16W) 1K OHM ?% HIGH GRADE	PC	3
114-103012-05	RESISTOR (1/16W) 10K OHM ?% HIGH GRADE	PC	1
114-152012-05	RESISTOR (1/16W) 1.5K OHM ?% HIGH GRADE	PC	1
114-153012-05	RESISTOR (1/16W) 15K OHM ?% HIGH GRADE	PC	2
114-202012-05	RESISTOR (1/16W) 2K OHM ?% HIGH GRADE	PC	1
114-220012-05	RESISTOR (1/16W) 22 OHM ?% HIGH GRADE	PC	1

Component list with price

PART NO.	DESCRIPTION	UNIT	QTY. PER
114-272012-05	RESISTOR (1/16W) 2.7K OHM ?% HIGH GRADE	PC	2
114-273012-05	RESISTOR (1/16W) 27K OHM ?% HIGH GRADE	PC	1
114-392012-05	RESISTOR (1/16W) 3.9K OHM ?% HIGH GRADE	PC	1
114-471012-05	RESISTOR (1/16W) 470 OHM ?% HIGH GRADE	PC	2
114-472012-05	RESISTOR (1/16W) 4.7K OHM ?% HIGH GRADE	PC	1
114-473012-05	RESISTOR (1/16W) 47K OHM ?% HIGH GRADE	PC	1
114-563012-05	RESISTOR (1/16W) 56K OHM ?% HIGH GRADE	PC	1
114-681012-05	RESISTOR (1/16W) 680 OHM 5% HIGH GRADE	PC	1
114-821012-05	RESISTOR (1/16W) 820 OHM ?% HIGH GRADE	PC	1
114-822012-05	RESISTOR (1/16W) 8.2K OHM ?% HIGH GRADE	PC	1
114-823012-05	RESISTOR (1/16W) 82K OHM ?% HIGH GRADE	PC	2
120-476302-20	E. CAP (16V) 47UF +/- 20% HIGH GRADE ?5 x 11MM	PC	1
131-09014C-38	TRANSISTOR S9014C HI LITE CENTRE B	PC	1
173-056643-01	NE-566RDS FUNCTION KEY BOARD 134.5x70x1.6MM UL 94HB	PC	1
020-056693-21	NE-566RDS LCD DISPLAY BOARD	SE	1
134-056655-0A	RDS LCD 91-42935-B01 (Ver A) 69 X 25MM 39PIN L=10MM (566)	PC	1
173-056644-01	NE-566RDS LCD DISPLAY BOARD 75x17x1.2MM UL 94HB	PC	1
194-0J6818-20	FFC. AWM 20696 0.035x0.7 180MM 20 PINS SINGLE CONNECT 1MM P.	PC	1
194-0J6818-22	FFC. AWM 20696 0.035x0.7 180MM 22 PINS SINGLE CONNECT 1MM P.	PC	1
001-056630-25	NE-566RDS A/F 5W AUDIO W/ EMC BOARD(TA2149N)	SE	1
122-100030-01	TRIMMER 10 PF (3 LEGS) ROUND Vertical Mounting	PC	2
130-231V02-03	AM DOUBLE TUNING DIODE HN1V02H CLASSIFICATION "B" TOSHIBA	PC	1
150-007808-26	VOLTAGE REGULATOR 8V MC7808CT ON SEMICONDUCTOR	PC	1
150-08229K-14	IC TOSHIBA TA8229K	PC	1
174-162252-03	5 T 1.6L 250V ? X 20MM FUSE VDE SEMKO APP	PC	1
174-202252-03	5 T 2L 250V ?5 X 20MM FUSE VDE SEMKO APP	PC	1
177-070000-01	SPEAKER TERMINAL BOARD (505) 1x4 PIN "MSC" (MSP-104-01)	PC	1
185-022012-07	SLIDE SWITCH SK22F03-G7 SEIKO	PC	1
188-011531-02	TACT SWITCH 1102VA-2 H 1.4MM 160 +/-30gf	PC	1
194-232015-06	28# FLAT CABLE 150MM W/HOUSING JS-1124-6 2.0 PITCH	PC	1
194-232015-10	28# FLAT CABLE 150MM W/HOUSING JS-1124-10 2.0 PITCH	PC	1
194-232018-08	28# FLAT CABLE 180MM W/HOUSING PH2.0-8P 2.0 PITCH	PC	1
194-232020-05	28# FLAT CABLE 200MM	PC	1

Component list with price

PART NO.	DESCRIPTION	UNIT	QTY. PER
194-242025-A3	W/HOUSING JS-1124-5 2.0 PITCH 28#2CUL2547 SHIELD 250MM	PC	1
202-032300-02	W/HOUSING PH2.0-3P FUSE HOLDER (0.4mm) "NEW"	PC	4
202-082201-01	SAME 202-032300-00 HEAT-SINK FOR 8229K IC (822)	PC	1
204-300000-08	2.0MM MACHINE SCREW M3 X 8 PM	PC	2
261-101010-09	SPONGE 10 X 10 X 10	PC	2
107-101070-28	CERAMIC FILTER FM LT10.7MA5 (RED) "SPECIAL"	PC	1
107-104500-38	CERAMIC FILTER AM SFU450B "SPECIAL"	PC	1
114-100201-05	RESISTOR 10 OHM 1/4W, ?%	PC	1
114-101012-05	RESISTOR (1/16W) 100 OHM ?% HIGH GRADE	PC	1
114-102012-05	RESISTOR (1/16W) 1K OHM ?% HIGH GRADE	PC	8
114-103012-05	RESISTOR (1/16W) 10K OHM ?% HIGH GRADE	PC	13
114-104012-05	RESISTOR (1/16W) 100K OHM ?% HIGH GRADE	PC	6
114-105012-05	RESISTOR (1/16W) 1M OHM ?% HIGH GRADE	PC	1
114-121201-05	RESISTOR 120 OHM 1/4W, ?%	PC	1
114-122012-05	RESISTOR (1/16W) 1.2K OHM ?% HIGH GRADE	PC	1
114-152012-05	RESISTOR (1/16W) 1.5K OHM ?% HIGH GRADE	PC	3
114-183012-05	RESISTOR (1/16W) 18K OHM ?% HIGH GRADE	PC	2
114-220012-05	RESISTOR (1/16W) 22 OHM ?% HIGH GRADE	PC	2
114-220201-05	RESISTOR 22 OHM 1/4W, ?%	PC	2
114-221012-05	RESISTOR (1/16W) 220 OHM ?% HIGH GRADE	PC	4
114-221201-05	RESISTOR 220 OHM 1/4W, ?%	PC	1
114-222012-05	RESISTOR (1/16W) 2.2K OHM ?% HIGH GRADE	PC	6
114-223012-05	RESISTOR (1/16W) 22K OHM ?% HIGH GRADE	PC	4
114-224012-05	RESISTOR (1/16W) 220K OHM ?% HIGH GRADE	PC	1
114-22A012-05	RESISTOR 2.2 OHM 1/16W ?%	PC	2
114-271012-05	RESISTOR (1/16W) 270 OHM ?% HIGH GRADE	PC	2
114-331012-05	RESISTOR (1/16W) 330 OHM ?% HIGH GRADE	PC	1
114-332012-05	RESISTOR (1/16W) 3.3K OHM ?% HIGH GRADE	PC	5
114-333012-05	RESISTOR (1/16W) 33K OHM ?% HIGH GRADE	PC	5
114-335012-05	RESISTOR 3.3M OHM 1/16W, ?%	PC	1
114-470301-05	RESISTOR 47 OHM 1/2W ?%	PC	1
114-473012-05	RESISTOR (1/16W) 47K OHM ?% HIGH GRADE	PC	3
114-561012-05	RESISTOR (1/16W) 560 OHM ?% HIGH GRADE	PC	1
114-561201-05	RESISTOR 560 OHM 1/4W, ?%	PC	3
114-562012-05	RESISTOR (1/16W) 5.6K OHM ?% HIGH GRADE	PC	6
114-821012-05	RESISTOR (1/16W) 820 OHM ?% HIGH GRADE	PC	1

Component list with price

PART NO.	DESCRIPTION	UNIT	QTY. PER
114-821301-05	RESISTOR 820 OHM 1/2W, ?%	PC	2
114-823012-05	RESISTOR (1/16W) 82K OHM ?%	PC	1
	HIGH GRADE		
120-105502-20	E. CAP 50V 1UF +/- 20%	PC	1
	HIGH GRADE ?5 x 11MM		
120-106402-20	E. CAP (25V) 10UF +/- 20%	PC	4
	HIGH GRADE ?5 x 11MM		
120-107102-20	E.CAP (10V) 100UF ?0%	PC	6
	HIGH GRADE ?5 x 11MM		
120-107302-20	E. CAP (16V) 100UF +/- 20%	PC	3
	HIGH GRADE ?5 x 11MM		
120-107400-82	E.CAP 100 UF (25V) +80,-20%	PC	1
	?6 x 11MM		
120-108102-20	E.CAP (10V) 1000UF ?0%	PC	2
	HIGH GRADE ?8 x 14MM		
120-108400-82	E. CAP 1000 UF (25V) +80,-20%	PC	1
	?10 x 21MM		
120-2255A3-20	E.CAP 2.2 UF (50V) +/-20% "LL"	PC	4
	?5 x 11MM LOWER LEAKAGE VALUE		
120-226302-20	E. CAP (16V) 22UF +/- 20%	PC	1
	HIGH GRADE ?5 x 11MM		
120-227100-82	E.CAP 220 UF 10V +80% -20%	PC	5
	?6 x 11MM		
120-227302-20	E. CAP (16V) 220UF +/- 20%	PC	1
	HIGH GRADE ?6 x 11MM		
120-228410-82	E.CAP 2200 UF (25V) +80,-20%	PC	1
	?13 x 21MM		
120-335502-20	E. CAP 50V 3.3UF +/- 20%	PC	1
	HIGH GRADE ?5 x 11MM		
120-474502-20	E. CAP 50V 0.47UF +/- 20%	PC	1
	HIGH GRADE ?5 x 11MM		
120-475502-20	E. CAP 50V 4.7UF +/- 20%	PC	7
	HIGH GRADE ?5 x 11MM		
120-4755A3-20	E.CAP 4.7 UF (50V) +/-20% "LL"	PC	4
	?5 x 11MM LOWER LEAKAGE VALUE		
120-476302-20	E. CAP (16V) 47UF +/- 20%	PC	2
	HIGH GRADE ?5 x 11MM		
121-100500-10	C.CAP 10 PF (50V) +/- 10%	PC	1
121-102500-82	C.CAP 0.001 UF (50V) +80,-20%	PC	17
121-103500-82	C.CAP 0.01 UF (50V) +80,-20%	PC	2
121-104300-82	C.CAP 0.1 UF (16V) +80 -20%	PC	22
121-104500-82	C.CAP 0.1 UF (50V) +80,-20%	PC	2
121-150500-05	C.CAP 15 PF 50V NPO +/- 5%	PC	1
121-180500-10	C.CAP 18 PF (50V) +/- 10%	PC	1
121-203500-82	C.CAP 0.02 UF (50V) +80,-20%	PC	8
121-300502-05	C. CAP (N.P.O) 30P 50V ?5 PF	PC	2
	HIGH GRADE		
121-331502-10	C.CAP 330P 50V +/- 10%	PC	2
121-80A500-03	C. CAP 8 PF NPO 50V D=?0.5PF	PC	1
123-103100-10	MYLAR CAP 0.01 UF 100V ?10%	PC	2
123-104100-10	MYLAR CAP 0.1 UF 50V ?0%	PC	2
123-153100-10	MYLAR CAP 0.015 UF 50V ?0%	PC	2
123-154100-10	MYLAR CAP 0.15 UF 50V ?0%	PC	2
123-222100-10	MYLAR CAP 0.0022 UF 50V ?0%	PC	2
123-472100-10	MYLAR CAP 0.0047 UF 50V ?10%	PC	2
123-683100-10	MYLAR CAP 0.068 UF 50V ?10%	PC	2
130-220101-02	FM TUNING DIODE V101	PC	2
	TOSHIBA		
130-314001-00	RECTIFIER IN4001	PC	2
130-315391-30	RECTIFIER 1N5391 "SGP"	PC	8
130-410012-00	1/2W ZENER DIODE 12V	PC	1
130-410056-00	1/2W ZENER DIODE 5.6V	PC	1
130-410068-00	1/2W ZENER DIODE 6.8V	PC	1

Component list with price

PART NO.	DESCRIPTION	UNIT	QTY. PER
130-410082-00	1/2W ZENER DIODE 8.2V	PC	1
130-514148-05	DIODE IN4148 BRAND: "COS" DAIWA	PC	17
131-08050C-38	TRANSISTOR S8050C HI LITE CENTRE B	PC	2
131-09014C-38	TRANSISTOR S9014C HI LITE CENTRE B	PC	10
131-09015C-38	TRANSISTOR S9015C HI LITE CENTRE B	PC	3
131-09018G-38	TRANSISTOR S9018G HI LITE CENTRE B	PC	1
131-0A928A-63	TRANSISTOR KSA928A FAIRCHILD CENTRE C	PC	2
150-02078P-14	IC TOSHIBA TA-2078P 3-MODE PRESET EQ	PC	1
150-02253A-20	IC PTC PT2253A Volume IC	PC	1
150-2149BN-14	IC TOSHIBA TA2149BN 1 CHIP TUN DIGITAL TUNING SYSTEM NEW FCC	PC	1
150-4052BP-14	IC TOSHIBA TC4052BP	PC	1
155-840546-61	MW ANT N962713 BLUE 10MM <585> =155-840546-60 MARK:2713	PC	1
155-866139-21	AM OSC 7DM-N963283 RED 7MM MARKING:3283	PC	1
155-866140-41	AM IFT 7DM-C962140 YELLOW 7MM MARKING:2140	PC	1
155-866141-72	FM IFT 7DMH-C961851B PINK 7MM MARKING:1851B	PC	1
160-100101-00	CHOKE COIL 10UH CW-708631-100K	PC	1
160-270304-00	CHOKE COIL 27uhx2 +/-20%, 6.5T x0.5MM, FERRITE CORD 9x5x3MM	PC	2
161-035035-07	FM COIL ? .5 X 3?X 0.7MM P CLOCKWISE	C	1
161-045045-07	FM COIL ? .5 X 4?X 0.7MM P CLOCKWISE	C	1
161-045140-07	FM COIL ? X 4?X 0.7MM P ANTI-CLOCKWISE	C	1
173-056642-0101	NE-566RDS AM/FM+AUDIO 5W BD R1 180x167.5x1.6MM UL 94HB	PC	1
178-000505-01	COPPER WIRE L = 50 MM	PC	47
195-110102-02	SINGLE ROW PIN HEADER 2 PINS JS-1001R-2 90?2.54 PITCH	PC	1
195-200011-02	WAFER JS-1125-2S / JM24181-2 PH-2A 180?2 POLES 2.0MM PITCH	PC	3
195-200011-03	WAFER JS-1125-3S / JM 24181-3 PH-3A 180?3 POLES 2.0 PTICH	PC	2
195-200011-05	WAFER JS-1125-5S / JM 24181-5 PH-5A 180?5 POLES 2.0MM PITCH	PC	2
202-000205-01	EYELET, ?2 X 4MM (BRASS)	PC	5
220-601010-00	COTTON OIL SLEEVE ?1 X 10MM S/G TUBE 1MM	PC	20
220-501000-00	SILICONE COATED FIBREGLASS SLEEVE DIA. 1.0MM	ME	0,2
001-056651-21	NE-566RDS CPU+CD SERVO SONY W/ EMC (202 IC)	SE	1
150-01923F-18	IC ROHM BU1923F RDS	PC	1
150-09257F-14	IC TOSHIBA TC9257F	PC	1
150-09462F-14	IC TOSHIBA TC9462F DSP	PC	1
150-1469XH-30	IC MITSUMI MM1469XH Motor Driv	PC	1
150-2153FN-14	IC TOSHIBA TA2153FN RF AMP FOR DIGITAL SERVO CD SYSTEM	PC	1
150-R05188-14	IC TOSH RDS-G 5188 1/8F CD-RW MOTHER TDS TMP87EP26F-4K76	PC	1
150-874K76-14	IC TOSHIBA TMP87EP26F-4K76 TDS	PC	1

Component list with price

PART NO.	DESCRIPTION	UNIT	QTY. PER
195-306031-20	F.F.CONNECTOR 180?20 P 1MM PITCH P/N FABSD2052	PC	1
195-326031-16	F.F.CONNECTOR 180?16 P 1MM PITCH P/N 0B-DIP-16P	PC	1
195-326031-22	F.F.CONNECTOR 180 22 P UP/LOW 1MM PITCH P/N FPC1.0B-DIP-22P	PC	1
202-000055-11	HEAT-SINK FOR MM1469XH (295) •• Type	PC	1
108-000327-01	QUARTZ CRYSTALS 32.768 KHz 32.768 KHz E3KE	PC	1
108-043320-1000	CRYSTAL 4.332 MHz SMALL "ASC" C01-49S04M3320A016	PC	1
108-072000-10	CRYSTAL ASC 7.200 MHz SMALL C01-49S07M2000A020 "MANBILL"	PC	1
108-073728-1000	CRYSTAL 7.3728MHz SMALL "ASC" C01-49S07M3728A020	PC	1
108-169344-01	CRYSTAL 16.9344 MHz	PC	1
114-100012-05	RESISTOR (1/16W) 10 OHM ?% HIGH GRADE	PC	3
114-101012-05	RESISTOR (1/16W) 100 OHM ?% HIGH GRADE	PC	3
114-102012-05	RESISTOR (1/16W) 1K OHM ?% HIGH GRADE	PC	11
114-103012-05	RESISTOR (1/16W) 10K OHM ?% HIGH GRADE	PC	36
114-104012-05	RESISTOR (1/16W) 100K OHM ?% HIGH GRADE	PC	4
114-122012-05	RESISTOR (1/16W) 1.2K OHM ?% HIGH GRADE	PC	3
114-152012-05	RESISTOR (1/16W) 1.5K OHM ?% HIGH GRADE	PC	1
114-153012-05	RESISTOR (1/16W) 15K OHM ?% HIGH GRADE	PC	2
114-220012-05	RESISTOR (1/16W) 22 OHM ?% HIGH GRADE	PC	1
114-221012-05	RESISTOR (1/16W) 220 OHM ?% HIGH GRADE	PC	1
114-222012-05	RESISTOR (1/16W) 2.2K OHM ?% HIGH GRADE	PC	3
114-223012-05	RESISTOR (1/16W) 22K OHM ?% HIGH GRADE	PC	1
114-224012-05	RESISTOR (1/16W) 220K OHM ?% HIGH GRADE	PC	1
114-22A012-05	RESISTOR 2.2 OHM 1/16W ?%	PC	1
114-271012-05	RESISTOR (1/16W) 270 OHM ?% HIGH GRADE	PC	2
114-332012-05	RESISTOR (1/16W) 3.3K OHM ?% HIGH GRADE	PC	7
114-333012-05	RESISTOR (1/16W) 33K OHM ?% HIGH GRADE	PC	2
114-471012-05	RESISTOR (1/16W) 470 OHM ?% HIGH GRADE	PC	1
114-472012-05	RESISTOR (1/16W) 4.7K OHM ?% HIGH GRADE	PC	9
114-473012-05	RESISTOR (1/16W) 47K OHM ?% HIGH GRADE	PC	10
114-561012-05	RESISTOR (1/16W) 560 OHM ?% HIGH GRADE	PC	2
114-680201-05	RESISTOR 68 OHM 1/4W, ?%	PC	1
114-683012-05	RESISTOR (1/16W) 68K OHM ?% HIGH GRADE	PC	2
114-822012-05	RESISTOR (1/16W) 8.2K OHM ?% HIGH GRADE	PC	5

Component list with price

PART NO.	DESCRIPTION	UNIT	QTY. PER
120-105502-20	E. CAP 50V 1UF +/- 20% HIGH GRADE ?5 x 11MM	PC	3
120-106402-20	E. CAP (25V) 10UF +/- 20% HIGH GRADE ?5 x 11MM	PC	3
120-107102-20	E.CAP (10V) 100UF ?0% HIGH GRADE ?5 x 11MM	PC	2
120-108102-20	E.CAP (10V) 1000UF ?0% HIGH GRADE ?8 x 14MM	PC	1
120-2255A3-20	E.CAP 2.2 UF (50V) +/-20% "LL" ?5 x 11MM LOWER LEAKAGE VALUE	PC	1
120-226302-20	E. CAP (16V) 22UF +/- 20% HIGH GRADE ?5 x 11MM	PC	1
120-227100-82	E.CAP 220 UF 10V +80% -20% ?6 x 11MM	PC	7
120-476302-20	E. CAP (16V) 47UF +/- 20% HIGH GRADE ?5 x 11MM	PC	15
121-101500-10	C.CAP 100 PF (50V) ?0%	PC	1
121-102500-82	C.CAP 0.001 UF (50V) +80,-20%	PC	6
121-103500-82	C.CAP 0.01 UF (50V) +80,-20%	PC	4
121-104300-82	C.CAP 0.1 UF (16V) +80 -20%	PC	22
121-150500-05	C.CAP 15 PF 50V NPO +/- 5%	PC	2
121-203510-82	C.CAP 0.02 UF (50V) +80,-20% SERIES: Z5V I.R.>10000Mohm	PC	1
121-224300-82	C.CAP 0.22UF/16V +80%,-20%	PC	2
121-301500-82	C.CAP 300 PF (50V) ?0%	PC	1
121-30A500-03	C.CAP 3 PF (50V) D=? .5 PF	PC	1
121-330500-05	C.CAP 33 PF (50V) ?0%	PC	8
121-470500-05	C.CAP 47 PF (50V) ?0%	PC	1
121-471502-10	C. CAP 470P 50V +/- 10% HIGH GRADE	PC	2
121-473502-20	C.CAP 0.047 UF (50V) +/- 20% HIGH GRADE	PC	11
121-560502-05	C. CAP (N.P.O) 56P 50V ? PF HIGH GRADE	PC	1
121-561502-10	C. CAP 560P 50V +/- 10%	PC	1
123-153100-05	MYLAR CAP 0.015 UF 50V ?5%	PC	1
123-222100-05	MYLAR CAP 0.0022 UF 50V ?5%	PC	2
123-272100-10	MYLAR CAP 0.0027 UF 50V +/-10%	PC	1
123-472100-05	MYLAR CAP 0.0047 UF 50V ?5%	PC	2
130-314001-00	RECTIFIER IN4001	PC	3
130-410056-00	1/2W ZENER DIODE 5.6V	PC	1
130-514148-05	DIODE IN4148 BRAND: "COS" DAIWA	PC	7
131-08050D-38	TRANSISTOR S8050D HI LITE CENTRE B	PC	1
131-09014C-38	TRANSISTOR S9014C HI LITE CENTRE B	PC	9
131-09015C-38	TRANSISTOR S9015C HI LITE CENTRE B	PC	2
131-0A928A-63	TRANSISTOR KSA928A FAIRCHILD CENTRE C	PC	1
150-07291S-14	IC TOSHIBA TA7291S DRIVER FOR 3 DISC MECH.	PC	1
160-100101-00	CHOKE COIL 10UH CW-708631-100K	PC	2
160-101101-00	CHOKE COIL 100UH 101K-455	PC	6
160-689101-00	CHOKE COIL 6.8uh ?10% R0108-CW45-6R8K-820128	PC	2
173-056641-01	NE-566RDS MCU+CD SERVO BOARD 136x120x1.6MM UL 94HB	PC	1
178-000505-01	COPPER WIRE L = 50 MM	PC	62
195-200011-02	WAFER JS-1125-2S / JM24181-2 PH-2A 180?2 POLES 2.0MM PITCH	PC	1
195-200011-05	WAFER JS-1125-5S / JM 24181-5	PC	3

Component list with price

PART NO.	DESCRIPTION	UNIT	QTY. PER
195-200011-06	PH-5A 180?5 POLES 2.0MM PITCH WAFER JS-1125-6S / JM 24181-6	PC	2
195-200011-08	PH-6A 180?6 POLES 2.0MM PITCH WAFER JS-1125-8S / JM 24181-8	PC	1
195-200011-10	PH-8A 180?8 POLES 2.0MM PITCH WAFER JS-1125-10S / JM24181-10	PC	1
220-601008-00	PH-10A 180?10 POLES 2.0MM PIT COTTON OIL SLEEVE ? X 8MM	PC	1
220-501000-00	S/G TUBE 1MM SILICONE COATED FIBREGLASS SLEEVE DIA. 1.0MM	ME	0,008
003-056600-EY50	NE-566 5W 2 WAY HF-RAC-596+ J113A WOODEN GRAIN, 2C00 SP.B.	SE	1
120-475404-20	E. CAP 4.7UF 25V +/- 20% NON-POLARIZED ?5 x 11MM	PC	2
166-12455C-X0	TWEETER 1.5" 4ohm 5W JZ1-11-1 SILVER CAP & CONE, H=?35	PC	2
166-40488D-X5	SP 4"<112>4ohm 8W 10E3A26 BLACK.CAP+SILVER CONE CUS.H60	PC	2
179-026008-02	JUMPER WIRE (3+74+3)MM RED #26 (9X1.3)	PC	2
179-026010-00	JUMPER WIRE (3+94+3)MM BLACK #26 (9X1.3)	PC	2
190-024183-00	SPEAKER WIRE (8-1800-10) 1.8M W/POLARITY MARKING 24#	PC	2
203-300800-12	TAPPING SCREW 3 X 12PWA WASHER ?.0MM	PC	12
210-000001-01	QC PASS LABEL WHITE B/G / BLACK LETTER	PC	2
212-059200-01	RUBBER SP MASK FIXED BLACK DIA 5.5 x 9.0 mm	PC	8
215-141504-6S	POLYBAG PE-LD/04 6-LANG WARN. P.HOLE,RECYC.MK.14.5"x15"x0.04	PC	2
253-056602-02	SP MASK W/ HF-RAC-596 S. GREY CLOTH NET, M:348-056620-3890	PC	2
253-056612-02	WOODEN SP BOX D=170MM J-113A PRIMARY COLOR REAR GM	PC	2
262-111120-10	RUBBER FOOT (OIL RESISTANCE) 10.8 X 10.8 X 2mm W/A BLACK	PC	8
263-A60210-00	FELT 165 X 2 X 1.0MM (592) FOR SPEAKER	PC	2
263-C30210-00	FELT 330 X 2 X 1.0MM (592) FOR SPEAKER	PC	2
339-056600-6500	SPEAKER FRONT COVER SPR HIPS 2C00	PC	2
143-450125-03	MOTOR DC 4.5V TRE-280SH-10550 DIA 24x30.5(45.0)MM ".•."	PC	1
162-181006-01	FERRITE CORE F5B T18x6x10 ?18 X ?10(IN) X 6<l> MM	PC	1
162-201010-08	FERRITE CORE FH-M8-T20x10x10mm ψ20 X ψ10(IN) X 10(L) MM	PC	1
162-251512-08	FERRITE CORE FH-M8-T25x15x12 ?25 X ?15(IN) X 12(L) MM	PC	1
177-109500-01	COAXIAL FM ANTENNA JACK TV-203	PC	1
179-026005-00	JUMPER WIRE (3+44+3)MM BLACK #26 (9X1.3)	PC	1
179-026013-02	JUMPER WIRE (3+124+3)MM RED #26 (9X1.3)	PC	1
179-026030-00	JUMPER WIRE (3+294+3)MM BLACK #26 (9x1.3)	PC	1
179-026030-02	JUMPER WIRE (3+294+3)MM RED #26 (9x1.3)	PC	1
179-026120-00	FM ANTENNA WIRE(3+1197)MM BLK	PC	1

Component list with price

PART NO.	DESCRIPTION	UNIT	QTY. PER
	#26 (9X1.3)		
179-522011-01	JUMPER WIRE UL1672 22# 110MM (10+90+10) BROWN 300V 105oC	PC	2
188-000400-00	LEAF SWITCH LF-323-02 "SEE"	PC	2
188-012702-01	AC POWER SWITCH. RA10KKIT0F 250V 2A (ON/OFF)	PC	1
191-822084-02	FLAT CABLE 2 PIN (4+72+4)MM 28# 2.0MM PITCH	PC	2
194-098508-16	F.F.C. SHS AWM 20798 80MM 16 PINS 1MM PITCH	PC	1
194-212020-02	28# UL1571 JUMPER WIRE 200MM W/HOUSING JS-1124-2 2.0 PITCH	PC	1
194-212022-05	28# UL1571 JUMPER 220x4+270x1 MM W/HOUSING PH2.0-5P	PC	1
194-213028-A3	26# UL1007 WIRE 280MM W/HOUSING PH2.0-3P PH2.0	PC	1
194-232316-06	28# FLAT CABLE 160MM W/HOUSINGx2 CONTRARY PH2.0-6P	PC	1
194-262310-05	28#4C UL2547 SHIELD WIRE 100MM 28#UL1007x2 PH2.0-05Px2 CONTR.	PC	1
194-2A1315-02	30# UL1365/1C ANT WIRE 150 MM W/HOUSING PH2-2P X 2 CONTRARY	PC	1
194-B41027-A4	30#2854 SHIELD WIRE 270MM GREY W/HOUSING JS-2001-4 2.5mm Pit	PC	1
198-000002-01	AM LOOP ANTENNA AL-01 Black Same 198-LA1000-01 FOR PLL	PC	1
218-080012-03	DECK MECH THL21VB-3058P AUTO S AC BIAS M.ERASE 6PA W/CLUTCH	PC	1
219-213CJM-01	CD MECHANISM TOP VERTICAL SONY KSM-213CJM	PC	1
010-05669W-50G0	R-566RDS GOODMAN'S 15 KEY 2C00 SILVER, 999-0566G0-C100	SE	1
020-056639-21	NE-566RDS 15 KEY REMOTE CONT. BD<TC9243/PT2243)	SE	1
108-004550-07	CERAMIC RESONATOR CSBLA455KECE -B0 "old CSB455EB"	PC	1
114-22A201-05	RESISTOR 2.2 OHM 1/4W, ?%	PC	1
120-476112-20	E. CAP MINI 47UF 10V +/- 20% HIGH GRADE	PC	1
121-101502-05	C. CAP (N.P.O) 100P 50V +/- 5% HIGH GRADE	PC	2
130-514148-05	DIODE IN4148 BRAND: "COS" DAIWA	PC	2
131-09014C-38	TRANSISTOR S9014C HI LITE CENTRE B	PC	1
133-STE305-00	INFRARED EMITING DIODE STE-305 TRAN. "SPECTRUM-TECH"	PC	1
150-02243S-20	IC PTC PT2243S	PC	1
173-056645-07	NE-566RDS REMOTE CONTROL BOARD 126x33.6x1.2MM UL 94HB	PC	1
178-000505-01	COPPER WIRE L = 50 MM	PC	2
203-200200-08	TAPPING SCREW 2 X 8 PA NICKEL PLATE	PC	1
210-000001-01	QC PASS LABEL WHITE B/G / BLACK LETTER	PC	1
212-057502-03	SILICON RUBBER 15 KEY PAD rev2	PC	1
215-030923-20	POLYBAG PE04-LD W/RECYCLE MARK P.HOLE, WARN, 3"x9 1/2"x0.023	PC	1
251-057505-04	BATTERY SPRING "+" REV.4 FOR REMOTE	PC	1
251-057506-02	BATTERY SPRING "-" REV.2 FOR REMOTE	PC	1
251-057507-04	BATTERY CONTACT <+,-> W/R Rev3	PC	1

Component list with price

PART NO.	DESCRIPTION	UNIT	QTY. PER
	HANDSET		
440-0575QT-2501	REMO H FRONT CAB MOD5. REV.	PC	1
	SPR. ABS 2C00, 999-0566G0-C100		
441-0575P0-2500	REMOTE H REAR CAB MOD5.SPR ABS 2C00	PC	1
442-0575A0-2500	REMOTE H BATTERY DOOR MOD2.SPR ABS 2C00	PC	1
443-057500-8930	REMOTE H POWER BUTTON INJ SAN	PC	1
		3803	
444-057520-8930	REMOTE H FUNCTION BUTTON New.M INJ SAN 3803	PC	14
020-056694-26	NE-566RDS BLUE LED BACKLIGHT BOARD	SE	1
149-050624-30	High Intensity LED Blue 120Deg	PC	2
	HKL-504SBCK-2 FLAT HEAD "LED"		
173-056648-01	NE-566RDS BACKLIGHT "L" PCB	PC	2
	19x7.4x1.6MM UL 94HB		
156-582313-03	X'F N57135FA AF PT EMC (593)	PC	1
	EI-57 19x30MM VDE APP EMC400MM		
157-460072-70	AC CORD VDE/CEE APP 6' BLACK 2.5A PLUG+STRIPPERD "CHAU'S"	PC	1
199-000001-03	PLASTIC CABLE HOLDER HW-C4	PC	3
199-000002-12	OIL DAMPER "LAP TUNG" SLOW	PC	1
		196	
199-000060-02	MOTOR PULLY TN-21 Dia.9.5x5.2 mm	PC	1
202-000040-01	EAR HEADPHONE PCB PRESS PLATE 13.2mm x 10mm X 1.0mm	PC	2
202-000063-25	WIRE HOLDER (106) 3.3 X 25 X 0.3MM	PC	1
202-032301-04	REC.PLATE THICKENSS 0.7MM REV4 ELECTROLYSIS-OXIDE	PC	1
202-056601-02	CASS DOOR SPRING REV.1 (566)	PC	1
202-056602-02	CASS KNOB COVER SPRING REV.1	PC	1
202-056603-01	TRANSFORMER COVER (566)	PC	1
202-056604-01	STEEL PLATE (566) DIA. 5.9x1.5mm	PC	1
202-057511-01	REC PCB MTG.BRACKET (A) (575) 1MM METAL PLATE	PC	1
202-057512-01	REC PCB MTG.BRACKET (B) (575) 1MM METAL PLATE	PC	1
202-059202-01	MAGNET 5.0 X 7.6 X 4.2 MM	PC	1
202-059203-01	VOLUME KNOB SPRING DIA 0.5MM	PC	1
203-200200-12	TAPPING SCREW 2 X 12 PA	PC	2
203-260700-08	TAPPING SCREW 2.6 X 8 KA	PC	4
203-260900-08	TAPPING SCREW 2.6 X 8 BA	PC	2
203-300200-10	TAPPING SCREW 3 X 10PA	PC	18
203-300200-12	TAPPING SCREW 3 X 12PA	PC	2
203-300200-14	TAPPING SCREW 3 X 14 PA	PC	4
203-300600-10	TAPPING SCREW 3 X 10 PT	PC	3
203-300700-10	TAPPING SCREW 3 X 10 KA	PC	6
203-300700-12	TAPPING SCREW 3 X 12 KA	PC	10
203-300800-12	TAPPING SCREW 3 X 12PWA WASHER ?.0MM	PC	4
203-300900-10	TAPPING SCREW 3 X 10 BA	PC	1
203-300900-12	TAPPING SCREW 3 X 12 BA	PC	15
203-350800-14	TAPPING SCREW 3.5 X 14 PWA	PC	2
204-200000-04	MACHINE SCREW 2 X 4PM TAP TYPE	PC	1
204-260000-05	MACHINE SCREW 2.6 X 5PM	PC	2
204-300000-06	MACHINE SCREW 3 X 6PM	PC	2
204-300000-10	MACHINE SCREW M3 X 10 PM	PC	2
205-300001-01	NUT M3	PC	2
207-261600-10	TAPTITE SCREW 2.6 X 10PWB-10W	PC	4

Component list with price

PART NO.	DESCRIPTION	UNIT	QTY. PER
210-000005-45	COLOUR STICKER - SILVER W/A SIZE: 23.5x11.5x0.1mm	PC	2
211-002815-15	BELT MOTOR DIA.28x1.5x1.5mm	PC	1
213-000005-16	CUSHION RUBBER 40 WHITE "CDM" "YAMWAY"	PC	4
216-056611-04	POLYFOAM TOP 5W BS ADAPT.REV.3 W/ RECYCLE MARK 83.9g (566)	PC	1
216-056612-03	POLYFOAM BOTTOM 5W BS ADAP R.2 W/ RECYCLE MARK 82.8g (566)	PC	1
220-103030-00	SHRINKAGE TUBE ? X 30MM UL	PC	2
220-103000-01	UL HEAT SHRINKAGE TUBE ?3MM 125• 600V BLACK COLOUR <TCM>	ME	0,06
220-106020-00	SHRINKAGE TUBE ?6 X 20MM UL	PC	1
220-106000-01	UL HEAT SHRINKAGE TUBE ?6MM 125• 600V BLACK COLOUR <TCM>	ME	0,02
220-110000-01	UL HEAT SHRINKAGE TUBE ?10MM 125• 600V BLACK COLOUR<TCM>	ME	0,1
221-000081-03	PVC ELECTRICAL TAPE BLACK (18mm X 20M) UL E174965	RO	0,005
221-053591-01	APPLIANCE FLLAMENT TAPE "3M" 12MM X 3CM TRANSPARENT	PC	6
221-000091-02	APPLIANCE FLLAMENT TAPE "3M" 12MM X 55M TRANSPARENT	RO	0,0036
227-053500-41	PROTECTIVE SHEET ENGLISH ?120 X ?15MM X 0.4MM	PC	1
232-100025-51	CABLE TIES ITEM NO.:EY-100 SIZE: 100MM (L) X 2.5MM (W)	PC	5
234-056600-01	TRACING PAPER 82.5x24.9x0.1MM "NELSON"	PC	1
251-057501-01	BATTERY PLATE (+) NI PLATED IRON	PC	1
251-057502-01	BATTERY PLATE (-) NI PLATED IRON	PC	1
251-057503-01	BATTERY CONTACT (+-) "A" (575>	PC	1
251-057504-01	BATTERY CONTACT (+-) "B" (575>	PC	2
260-060301-09	PAD CORK 6x3x1.5mm WHITE W/A	PC	4
262-030412-09	RUBBER FOOT WHITE 3.0x4.0x1.2 mm W/A	PC	2
262-030601-09	RUBBER FOOT WHITE (566) <W/3M TAPE>3.0X6.0X1MM W/A	PC	2
262-111120-10	RUBBER FOOT (OIL RESISTANCE) 10.8 X 10.8 X 2mm W/A BLACK	PC	4
303-000071-0001	DUST COVER FOR SONY INJ ABS BLACK Same 199-000013-01	PC	1
209-05669W-01	BACK PLATE-GOODMANS (ROADSTAR) MDL:GMS950R MW/FM ENG CE	PC	1
210-000001-01	QC PASS LABEL WHITE B/G / BLACK LETTER	PC	1
210-000003-03	SERIAL NO LABEL WITH (P.P) WHITE B/G / BLACK LETTER	PC	1
210-000014-12	FUSE LABEL WITH P.P. (THERMAL FUSE 125• M30)	PC	1
210-000052-01	AC LABEL (230V/50Hz) (WHITE B/G / BLACK LETTER)	PC	1
210-000053-08	BATTERY LABEL (R6S X 2) (WHITE B/G / BLACK LETTER)	PC	1
210-000053-17	BATTERY LABEL (R6S X 4) (WHITE B/G / BLACK LETTER)	PC	1
210-000061-66	"094" LABEL (WHITE B/G / BLACK LETTER)	PC	1
210-000062-01	"CAUTION LABEL" LAMINATED	PC	1

Component list with price

PART NO.	DESCRIPTION	UNIT	QTY. PER
210-02318F-08	(WHITE B/G / RED LETTER) CLASS 1 LABEL - BUSH (231) MDL:CR605CD HM ORDER 6LANG	PC	1
210-050002-04	LASER LABEL - "STANDARD" (500) YEL BG/BLK LETT. LAM. Triangle	PC	1
210-050003-05	CD CAUTION LABEL (500) YELLOW B/G/BLK LET	PC	1
210-05669W-07	SHIPMARK LABEL (ROADSTAR) MDL:GMS950R stick to G/B	PC	1
210-05669W-12	SPEAKER LBL-GOODMANS(ROADSTAR) MDL:GMS 950R	PC	2
215-031123-20	POLYBAG PE04-LD W/RECYCLE MARK P.HOLE, WARN, 3" X 11" X 0.023	PC	1
215-060823-20	POLYBAG PE-04,PE-LD W/WARNING P.HOLE,RECY.MARK 6"x8"x0.023	PC	1
215-061023-20	POLYBAG PE-04,PE-LD W/WARNING P.HOLE,RECY.M. 6.5"x10"x0.023	PC	1
215-151804-6S	POLYBAG PE-LD/04 6-LANG WARN. P.HOLE,RECYC.MK.15"x18"x0.04	PC	1
221-000010-11	P.P.TAPE 3" X 30yd TRANSPARENT	RO	0,11
227-02999W-12	W/C - "GOODMANS" (299) MDL : GMS 500 W/O 2YRS LOGO	PC	1
227-05669W-01	I/B - GOODMANS RDS (ROADSTAR) MDL:GMS950R **2004**	PC	1
228-05669W-01	G/B - GOODMANS (ROADSTAR) 566 MDL:GMS950R **** 2004 ****	PC	1
302-000003-1300	PLASTIC WASHER 13x3.2X1.4 MM INJ ABS ANY COLOR	PC	1
303-000010-0000	AC POWER SW COVER INJ ABS ANY COLOR OLD P/No."601-000030-00"	PC	1
303-000020-003J	FM 75ohm ANT COVER INJ HIPS 5822, OLD P/No. 601-05354M-00	PC	1
303-000090-0201	MOUNTING POST REV2.INJ ABS BLK	PC	6
311-056630-6500	FRONT CABINET REV3. SPR HIPS 2C00	PC	1
322-056621-5Y20	REAR CAB 6.0V DC REV2 INJ HIPS	PC	1
329-0595J0-5Y20	REAR COVER Flat INJ HIPS 5837	PC	1
330-056600-6503	PANEL PLATE SPR HIPS 2C00 999-056630-C000 REV.1 RDS	PC	1
331-056600-2500	LOWER PANEL SPR ABS 2C00	PC	1
336-056610-8990	IR LENS REV. INJ SAN 8201	PC	1
337-056610-3890	LIGHT LENS REV INJ GPPS TRANSPARENT	PC	1
357-056610-6502	CASS KNOB COVER REV. SPR HIPS 2C00 999-0566C7-0000 REV.1	PC	1
358-056600-6500	CASS DOOR SPR HIPS 2C00	PC	1
367-056600-8YC7	CASS DOOR LENS INJ SAN 8800+ GILD. MIRROR, 999-056645-0800	PC	1
371-056610-8JS1	CD DOOR REV. INJ SAN 8800+SPR. 2C00 999-056650-0000	PC	1
374-056620-5Y20	CD BRACKET REV2 INJ HIPS 5837(7C) GREY	PC	1
380-082210-5Y20	BATTERY DOOR REV.INJ HIPS 5837 GREY	PC	1
381-082220-5Y20	BATTERY BOX REV2. INJ HIPS 5837 GREY	PC	1
400-056601-2490	VOLUME KNOB CHROME ABS SILVER	PC	1
403-056603-2490	POWER BUTTON CHROME ABS SILVER	PC	1
408-056607-2490	CD OPEN BUTTON CHROME ABS SILVER	PC	1
412-056600-2490	FUNCTION BUTTON CHROME ABS SILVER	PC	12

Component list with price

PART NO.	DESCRIPTION	UNIT	QTY. PER
425-056600-1R20	CASS KNOB - REC. INJ. ABS 1830 LIGHT GREY	PC	1
425-056601-1R20	CASS KNOB - PLAY INJ ABS 1830 LIGHT GREY	PC	1
425-056602-1R20	CASS KNOB - F.REW INJ ABS 1830 LIGHT GREY	PC	1
425-056603-1R20	CASS KNOB - F.FWD INJ ABS 1830 LIGHT GREY	PC	1
425-056604-1R20	CASS KNOB - STOP INJ ABS 1830 LIGHT GREY	PC	1
425-056605-1R20	CASS KNOB - PAUSE INJ ABS 1830 LIGHT GREY	PC	1
451-056600-3891	REFLECT BOARD INJ GPPS TRANSPA 999-0566R0-0000	PC	1
460-056600-1010	DRIVE GEAR INJ ABS BLACK	PC	1
460-056601-1010	ADAPTOR GEAR INJ ABS BLACK	PC	1
460-056602-1010	BELT GEAR INJ ABS BLACK	PC	1
461-056600-1010	MOUNTING BRACKET-L INJ ABS BLACK	PC	1
461-056602-1100	DISPLAY BRACKET INJ ABS WHITE	PC	1
461-05660A-1010	PCB BRACKET INJ ABS BLACK	PC	1
461-05660G-1010	GEAR BRACKET INJ ABS BLACK	PC	1
461-05660M-1010	MOTOR BRACKET INJ ABS BLACK	PC	1
461-056611-1010	MOUNTING BRACKET-R REV.INJ ABS BLACK	PC	1
463-05660V-1010	VOLUME K ADAPTOR INJ ABS BLACK	PC	1
464-056606-1010	VOLUME K SHAFT INJ ABS BLACK	PC	1
470-05660J-2501	JACK COVER SPR ABS 2C00 999-0566J0-0000	PC	1