

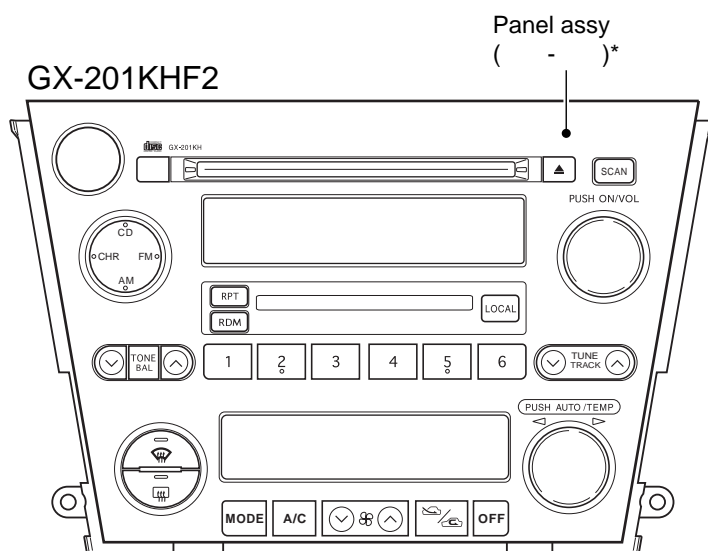
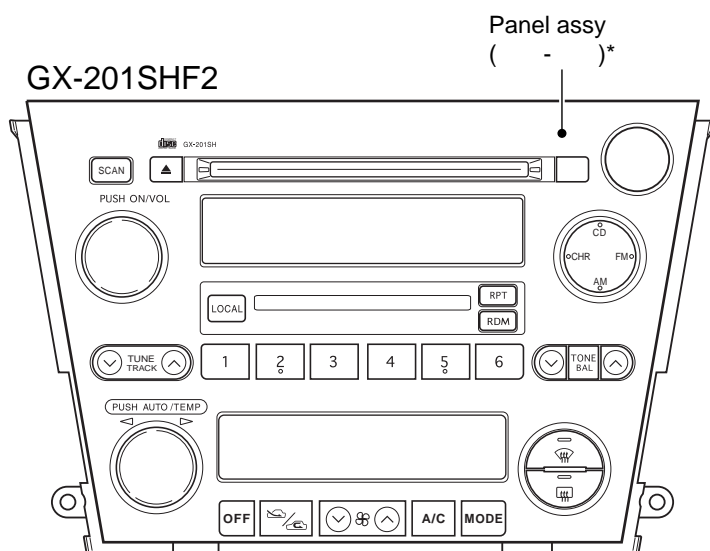
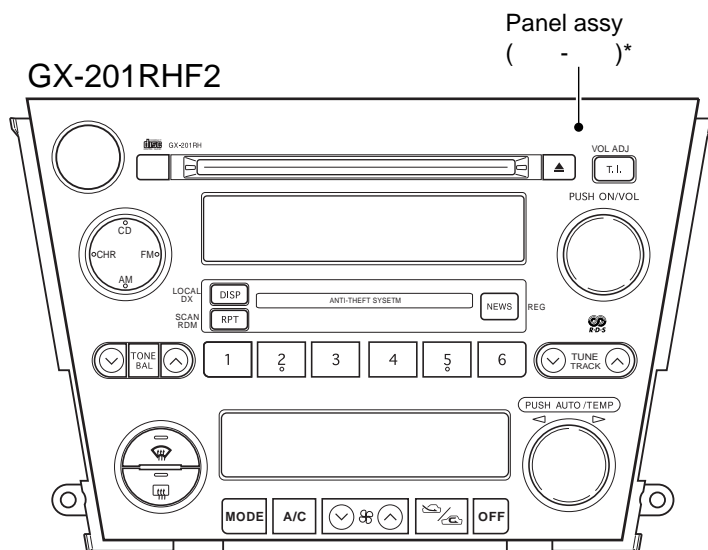
GX-201KHF2/LHF2 /RHF2/SHF2

SERVICE MANUAL (TENTATIVE)

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B53-0088-00 (N) 0

SUBARU GENUINE

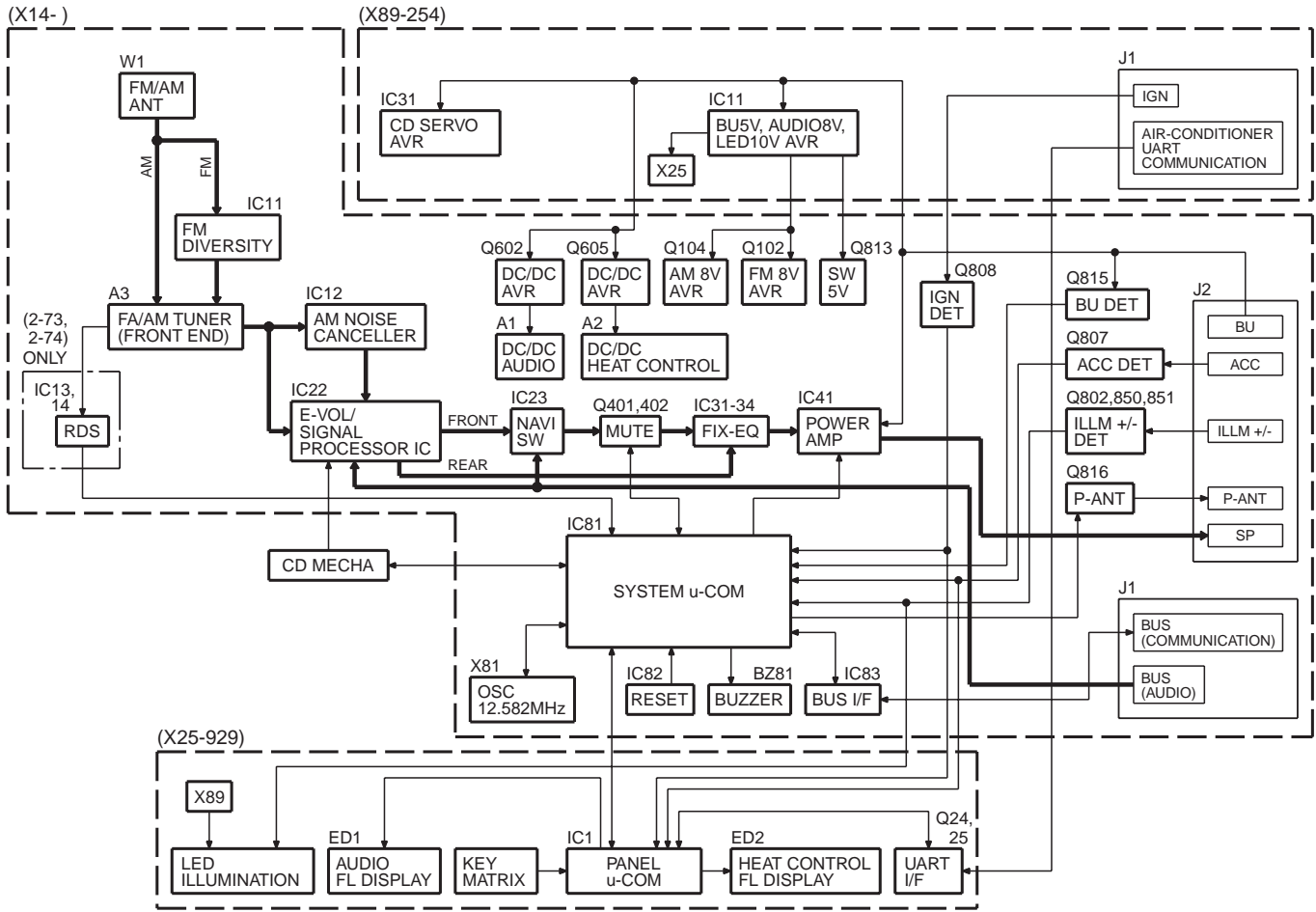
Model	Model Name	Parts No.	Destination
GX-201LH	GX-201LHF2	86201AG400	Europe (left-hand-drive cars)
GX-201RH	GX-201RHF2	86201AG300	Europe (right-hand-drive cars)
GX-201KH	GX-201KHF2	86201AG200	Other Areas (right-hand-drive cars)
GX-201SH	GX-201SHF2	86201AG500	Other Areas (left-hand-drive cars)



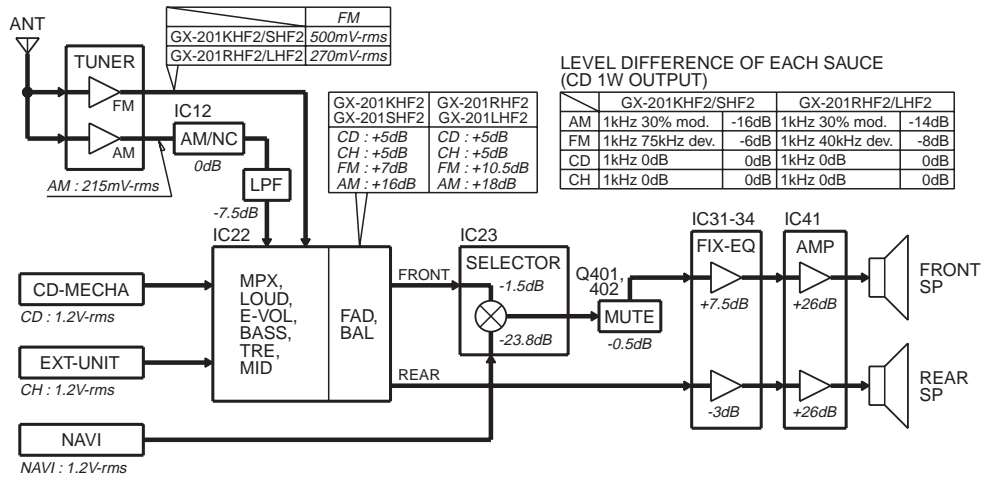
* Part number of panel assy is undecided.

- The knobs with numbers larger than 700 on exploded view are not supplied for service parts because it is difficult to apply grease.
Please change to panel assy (PA1) when you need repair to the knob.
- DC cord for service : E30-3801-15
- Antenna connector replacement cord for service : E30-6255-05

BLOCK DIAGRAM



LEVEL DIAGRAM



COMPONENTS DESCRIPTION

● SYNTHESIZER UNIT (X14-694x-xx)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC11	FM diversity IC	FM diversity switching (Only for GX-201JHF2/KHF2)
IC12	AM noise canceller IC	AM noise canceller
IC13	2-piece ope-amp	RDS noise amp (Only for GX-201LHF2/RHF2)
IC14	RDS demodulation IC	RDS demodulation (Only for GX-201LHF2/RHF2)
IC22	Electronic volume	BASS/MID/TRE, MPX, Mute, Electronic volume
IC23	Ope-amp with switch	Audio/NAVI switching
IC31~34	4-piece ope-amp	FIX-EQ
IC35	2-piece ope-amp	1/2 VCC output
IC41	Power amp	4ch power amp
IC81	System μ -com	System control
IC82	Reset IC	System reset detection
IC83	I2C BUS IC	F-BUS communication
IC84	2-piece NOR circuit	For hard muting
IC85	EEPROM	Bug counter-measure
IC86,87	Inverter circuit	F-BUS control
Q101	Diversity switch	When turned ON, turns diversity OFF (Only for GX-201JHF2/KHF2)
Q102,103	FM power supply switch	When FM, 8V output
Q104,105	AM power supply switch	When AM, 8V output
Q106	IF count detection	When detecting IF count, Lo output
Q107	RDS data buffer	RDS data buffer output (Only for GX-201LHF2/RHF2)
Q108	S-meter buffer	S-meter voltage output
Q151,152	Noise amp	Noise detection constant switching (Only for GX-201LHF2/RHF2)
Q153	Noise amp	Noise detection output buffer (Only for GX-201LHF2/RHF2)
Q202	Mute switch	For muting with in electronic volume
Q401,402	NAVI mute	For NAVI muting at interruption
Q403	SVR switch	For SVR discharging
Q404	SVR switch	For SVR discharging at over voltage
Q601,602	Audio DC/DC power supply switch	For DC/DC audio
Q604,605	Heater DC/DC power supply switch	For DC/DC heater
Q606,607	DC/DC control switch	For switching internal frequency
Q650	Audio DC/DC power supply switch	For DC/DC audio
Q651	Heater DC/DC power supply switch	For DC/DC heater
Q801	Buzzer switch	For buzzer
Q802	Illumination + detection	For illumination + detection
Q803	Reset output switch for F-BUS	When resetting F-BUS, Hi output
Q804	NAVI mute switch	When muting NAVI, Hi output
Q805	IF count detection	When detecting IF count, Lo output
Q806	P-ANT circuit control switch	When tuner, GND electric potential output
Q807	ACC detection	When ACC ON detection, Lo output
Q808	IGN detection	When IGN ON detection, Lo output
Q809	SYS_ON current buffer	When SYS_ON Hi, Lo output
Q810	Hard reset switch	When HARD_RESET ON, Lo output
Q812	BUS_OFF switch	When F-BUS system OFF, Hi output

COMPONENTS DESCRIPTION

Ref. No.	Application / Function	Operation / Condition / Compatibility
Q813	P-ON5V power supply switch	For P-ON5V
Q815	BU detection	When BU ON, Lo output
Q816	P-ANT circuit control switch	When tuner, BU electric potential output
Q817,818	P-ANT circuit protection	P-ANT short circuit protection
Q820	F-BUS mute output	When mute ON, Hi output
Q821	BUS_ON detection	When F-BUS system ON, Hi input
Q822	BUS_ON switch	When F-BUS system ON, Hi output
Q850,852	Illumination - detection switch	When detecting illumination -, Hi output
Q853	Illumination - detection switch	When detecting illumination -, Lo output

● SWITCH UNIT (X25-929x-xx)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC1	Display control μ -com	VFD control, Key intake
IC3	EEPROM	For bug counter-measures
Q1	Audio VFD5V switch	When audio VFD ON, 5V output
Q2	Audio VFD5V switch	When audio DC/DC ON, Lo output
Q4	Heater VFD5V switch	When heater VFD ON, 5V output
Q5	Heater VFD5V switch	When heater DC/DC ON, Lo output
Q11	F differential indicator power supply switch	When F-differential indicator ON, 5V output
Q12	R differential indicator power supply switch	When R-differential indicator ON, 5V output
Q21	Multiple-push reset circuit detection	When detecting REP/RDM, DWN_SEEK, Hi output
Q22	Multiple-push reset circuit detection	When resetting by multiple push, Lo output
Q23	Multiple-push reset circuit detection	When TONE (BAL/FAD) detected, Lo output
Q24	Heater UART communication control	Heater UART communication control (TX)
Q25	Heater UART communication control	Heater UART communication control (RX)
Q26	SW5V power supply switch	When IGN ON, 5V output
Q27	Panel illumination switch	When panel illumination ON, 10V output
Q28	Panel illumination switch	When panel illumination ON, GND electrical potential
Q29	F differential indicator dimmer control	When dimmer OFF, GND electrical potential
Q30	R differential indicator dimmer control	When dimmer OFF, GND electrical potential
Q33	System reset detection	When system is reset, Hi output
Q34	Dimmer current counter-measure	When audio encoder ON, 5V output
Q35	System reset detection	When system is reset, Lo output
Q36,37	6CD breakup counter-measure	FL (H) discharge circuit

● DAUGHTER UNIT (X89-2540-01)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC11	Various constant voltage power supply output	5V, 8V, 10V constant voltage power supply
IC31	CD servo 8V power supply	For CD servo
Q101	Panel illumination power supply switch	When illumination + input, 5V output
Q301-303	CD servo power supply switch	For CD servo

MICROCOMPUTER'S TERMINAL DESCRIPTION

● SYSTEM MICROCONTROLLER IC : 703037AYGFM02 (X14 : IC81)

Pin No.	Pin Name	I/O	Application	Processing Operation Description
1	SC_DATAIN	O	Slave data output (Panel communication)	(UART) 19200bps
2	PLL_SDA	I/O	F/E (+EEPROM) data input/output	(I2C) 100kHz or less
3	MECHA_SDA	I/O	CD mechanism data input/output	(I2C) 100kHz or less
4	PLL_SCL	O	F/E (+EEPROM) clock output	(I2C) 100kHz or less
5	MECHA_SCL	O	CD mechanism clock output	(I2C) 100kHz or less
6	R_DATA (NC)	I (O)	RDS data input	(J, M, General type : Open, not used)
7	R_QUAL (NC)	I (O)	RDS quality	(J, M, General type : Open, not used)
8	NC	O	Not used	Open
9	EVDD	-	5V electrical potential	
10	EVSS	-	GND electrical potential	
11	BEEP	O	BEEP output	Buzzer : H (Pulse) 2kHz
12	IFC	I	F/E IFC OUT input	Station found : L, Other : H
13	AM+B	O	AM power supply output	AM : H, Other : L
14	FM+B	O	FM power supply output	RDS operation : H (FM : H), Other than RDS operation : L (Other : L)
15	ILL_DET-	I	ILL- detection (Vehicle illumination control signal)	ILL- ON (GND) : H (Pulse input)
16	ILL_DET+	I	ILL+ detection (Vehicle small signal)	ILL+ ON : L
17~20	NC	O	Not used	Open
21	IC/VPP	-	Write voltage	
22~25	NC	O	Not used	Open
26	BUS_DI	I	IE-BUS data input	
27	BUS_DO	O	IE-BUS data output	
28	IC2_SDA	I/O	IC2 data input/output	(I2C) 100kHz or less
29	IC2_SCL	O	IC2 clock output	(I2C) 100kHz or less
30,31	NC	O	Not used	Open
32	MUTE	O	Audio mute	Mute : H, Normal : L
33	AFS (NC)	O	Switching constant at noise detection	FM, AM seek : L (J, M, General type : Open, not used), RDS operation : H, Other than RDS operation : L
34	RESET	I	System rest input	Reset : L, Reset voltage : 4.2V, Reset at rise of L→H
35	XT1	I	Sub-system clock oscillation terminal	
36	XT2	-	Sub-system clock oscillation terminal	
37	REGC	-		
38	X2	-	Main system clock oscillation terminal	12.58MHz
39	X1	I	Main system clock oscillation terminal	12.58MHz
40	VSS	-	GND electric potential	
41	VDD	-	5V electric potential	
42	NC	O	Not used	Open
43	HARD_RESET	O	Hard reset output	Reset : H

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing Operation Description
44	NAVI_SW	O	NAVI voice switching	NAVI interruption : H, Normal : L
45	NAVI_MUTE	O	NAVI voice Frontch interruption mute (When switching)	NAVI interruption start/release : L, Normal : H
46	DC/DC_FREQ	O	DC/DC oscillation frequency control	AM 9kHz step 747~900, 1125~1287, 1494~1629 : Hi, AM 5kHz step 750~900, 1110~1270, 1480~1630 : Hi, Other : L
47	NC (DIVER)	O	Diversity antenna control	E, General type : Open, not used J, M type : Normal mode : L (DIVER ON), Test mode : H (OFF) or L (ON) switching (Initial : H)
48	P_STBY	O	Power IC standby control	ACC ON, POWER ON : H, Other : L
49	P_MUTE	O	Power IC mute control	Mute : L, Other : H This mute should not be normally used when playing is broken off such as search during play.
50	SVR	O	SVR control	Normal : L, Discharge : H
51	ANT_CON	O	Power antenna control	
52	NC	O	Not used	Open
53	IGN_DET	I	IGN detection	
54	ON_REQ	I	F-BUS ON request	System ON request : L
55	SYS_ON	O	F-BUS ON output	System ON : H
56	NC	O	Not used	Open
57	SYS_OFF	O	F-BUS OFF output	System OFF : H
58	BVDD	-	5V electric potential	
59	BVSS	-	GND electric potential	
60	BUS_STBY	O	BUS IC standby control	System ON : H
61	PON	O	Power ON control	Power ON : L, Power OFF : H, Stabilization time 400ms
62	DC/DC_H	O	DC/DC (For HTR-VFD) control	HTR ON : H, HTR OFF : L, Stabilization time : 550ms, Turn to H after receiving panel μ -com HVFD_ON : H
63	DC/DC_A	O	DC/DC (For AUDIO-VFD)control	AUDIO ON : H, AUDIO OFF : L, Stabilization time 500ms, Turn to H after receiving panel μ -com AVFD_ON : H
64	CD_LOE/LIM_SW	I	CD down limit SW input	Disk chucking : H, Chattering time 30ms (+20%)
65	CD_MOTOR	O	CD loading motor (+) control	LO/EJ mode : H, Other : L, In other mode, CD mechanism LO/EJ pin is switched to pull-down.
66	CD_LO/EJ	I/O	CD loading/eject control	Normal : Hi-Z (Refer to 65pin), Eject : H, Loading : L
67	CD_MSTOP	O	CD standby control	Stop : L (Mechanism standby), Normal : H
68	CD_MRST	O	CD reset	Reset : L, Reset at rise of L→H
69	CD_MUTE	I	CD audio mute request	Mute : L, Activated only when CD_MSTOP : H
70	CD_8EJE_SW	I	CD 8cm disk eject end SW	Eject complete : H edge, Chattering time 30ms (+20%)
71	CD_LOS_SW	I	CD loading start SW	Loading start : H edge, 8/12cm disk is found : L, Not found : H, Chattering time 30ms (+20%)
72	CD_12EJE_SW	I	CD 12cm disk eject SW	Eject complete : H edge, Chattering time 30ms (+20%)

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing Operation Description
73	REF_CON	O	A/D port reference voltage output	ACC ON : H, Other : L
74	AVDD	-	5V electric potential	
75	AVSS	-	GND electric potential	
76	AVREF	I	A/D port reference voltage input	
77~80	NC	I	Not used	
81	DIAG	I	Test mode terminal	Test mode : L, Normal : H
82	TYPE1	I	Destination setting 1	
83	TYPE2	I	Destination setting 2	
84	TYPE3	I	Destination setting 3	
85	NOISE	I	FM noise detection (AD input)	NOISE value : With 2.9V or less, station found permission
86	SMETER	I	S-meter (AD input)	SMETER value : According to the data written to EEPROM
87	NC	I	Not used	
88	SCRTY	I	Force security release	Released : L, Other : H
89	SC_CON	O	Slave ON/OFF control (Panel communication)	ON : H, OFF : L
90	MC_REQ	I	Master ON request (Panel communication)	ON request : H
91	ACC_DET	I	ACC detection	ACC ON : L, ACC OFF : H, Detection voltage : 8.5V
92	OFF_REQ	I	F-BUS OFF request	System OFF request : L
93	BU_DET	I	BU detection	BU ON : L, BU OFF (At instant reduction) : H, Detection voltage : 8.5V
94	SC_RST	O	Slave reset (Panel communication)	Normal : H, Reset : L (2 pulses), Immediately after reset, communication error : Reset
95	SC_BKUP	O	Reduced electricity detection (Panel communication)	Electricity reduced product : L, Normal : H
96	R_CLK (NC)	I (O)	RDS clock	J, M, General type : Open, not used
97	FLASH_SI	O	Not used	Open (For flash writing)
98	FLASH_SO	O	Not used	Open (For flash writing)
99	FLASH_CLK	O	Not used	Open (For flash writing)
100	MC_DATAIN	I	Slave data input (Panel communication)	(UART) 19200bps

MICROCOMPUTER'S TERMINAL DESCRIPTION

● PANEL MICROCONTROLLER : 90587CAPFV13x (X25 : IC1)

Pin No.	Pin Name	I/O	Application	Processing Operation Description
1	KR2_A	I	Key matrix (RET : 2Bit)	
2	KR3_A	I	Key matrix (RET : 3Bit)	
3	KR4_A	I	Key matrix (RET : 4Bit)	
4	KR5_H	I	Key matrix (RET : 5Bit)	
5	KR6_H	I	Key matrix (RET : 6Bit)	
6,7	NC	O	Not used, Open	
8	AVFD_ON	O	Audio VFD power supply ON signal	Controls power supply for Audio FL tube. When stopped (L) : Power supply OFF, Normal operation (H) : Power supply ON
9	VSS	-	Within-chip ground	GND
10~15	NC	O	Not used, Open	
16	HMC_DATA	I	Heater ECU communication (Reception)	Conducts communication (Reception) with A/C
17	HSC_DATA	O	Heater ECU communication (Transmission)	Conducts communication with A/C (transmission)
18,19	NC	O	Not used, Open	
20	AVFD_DATA	O	VFD tube communication for audio (Transmission)	Display data transmission for audio FL tube
21	VCC	-	Power supply input terminal	BU5V connection
22	AVFD_CLK	O	VFD tube communication for audio (Clock)	Audio VFD synchronization clock output during serial communication
23	SCL	O	Serial clock for E2PROM	Output to E2PROM as I2C clock signal
24	SDA	I/O	Serial data for E2PROM	Input/Output to E2PROM as I2C data signal
25	C	-	Terminal for voltage stabilization	0.1μF capacitor connection
26	TYPE1	I	Left/Right steering wheel judgment	H : Left steering wheel, L : Right steering wheel
27	TYPE2	I	Judgment on security condition	H : Security, L : No security
28	DVRH	-	Connected to GND as D/A converter not used	GND
29	DVSS	-	Ground the terminal for D/A converter	GND
30,31	NC	O	Not used, Open	
32	AVCC	-	Power supply input terminal A/D converter	VCC
33	AVRH	-	Connected to GND as A/D converter not used	GND
34	AVRL	-	Connected to GND as A/D converter not used	GND
35	AVSS	-	Ground the terminal for A/D converter	GND
36	NC	O	Not used, Open	
37	HVFD_DATA	O	Heater VFD tube communication (Transmission)	Display data transmission to A/C FL tube
38	HVFD_CLK	O	Heater VFD tube communication (Clock)	Heater VFD tube communication synchronization clock output for serial communication
39	NC	O	Not used, Open	
40	VSS	-	GND connection terminal	GND
41	ACC_DET	I	Detection of ACC	Hi : No ACC, Lo : With ACC
42	SW5V_ON	O	UART buffer power supply control	When IGN ON L : ON (SW5V) output, When IGN OFF H : OFF (SW5V) output

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing Operation Description
43,44	NC	O	Not used, Open	
45	IGN_DET	I	External interruption 0 (IGN signal)	Detect IGN signal. Lo : Communication permitted, Hi : Communication prohibited
46	SC_BKUP	I	External interruption 1 (Power supply breakup signal)	Breakup condition output from Audio. Hi : Breakup recovery, Lo : Breakup occurrence
47	MD0	I	Used when writing to flash ROM	Hi : Normal mode, Lo : FLASH writing mode
48	MD1	I	Used when writing to flash ROM	Hi : Normal and FLASH writing mode, Lo : No setting
49	MD2	I	Used when writing to flash ROM	Hi : FLASH writing mode, Lo : Normal mode
50	HST	I	L : Hardware standby condition	VCC
51,52	NC	O	Not used, Open	
53	SC_CON	I	External interruption 4 (Audio SC-CON signal)	As audio communication permission signal, judgment on start/stop is made as external interruption from audio. Hi : Occurrence of interruption, Lo : Port sampling
54	KR0_A	I	External interruption 5 (Interruption key RET0)	Audio key stop mode return. In stop mode, Lo : Occurrence of interruption, Other : Prohibition
55	KR1_A	I	External interruption 6 (Interruption key RET1)	Audio key stop mode return. In stop mode, Lo : Occurrence of interruption, Other : Prohibition
56	NC	O	Not used, Open	
57	SC_DATA IN	I	Audio system μ -com communication (Reception)	Communication interface with Audio system μ -com (Reception). Reception data is display data.
58	MC_DATA IN	O	Audio system μ -com communication (Transmission)	Communication interface with Audio system μ -com (Transmission). Transmission data is key data and CAN data.
59	MC_REQ	O	Audio MC_REQ signal	Beginning communication with Audio system μ -com. Output stopped after recognizing SC-CON signal.
60	AVFD_LAT	O	Audio VFD tube LAT signal	Audio FL tube display data LAT signal
61	NC	O	Not used, Open	
62	HVFD_CS	O	Heater VFD tube chip select signal	When chip select (Lo) is output, signal transmission data is effective
63	NC	O	Not used	Pull down (When built-in ROM is flash memory)
64	NC	I	Not used	Pull down (When built-in ROM is flash memory)
65	HVFD_ON	O	Heater VFD power supply ON signal	Stopped (L) : Power supply OFF, Normal operation (H) : Power supply ON
66,67	NC	O	Not used, Open	
68	AVFD_BLK	O	Audio VFD tube brightness adjust	Audio FL tube brightness is adjusted with Hi/Lo duty ratio. Brightness info is variable by the Audio system μ -com with the illumination brightness data. Duty ratios are of 16 types
69~74	NC	O	Not used, Open	
75	SC_RST	I	CPU reset signal	
76	NC	O	Not used, Open	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing Operation Description
77	X1A	-	Sub clock terminals for accommodating 2 clocks	
78	X0A	O	Sub clock terminals for accommodating 2 clocks	Not used, Connected to GND
79	VSS	-	GND connection terminal	GND
80	X0	-	CPU main clock supply	3.9936MHz crystal is used.
81	X1	-	CPU main clock supply	3.9936MHz crystal is used.
82	VCC	-	Power supply Input terminal	Connected to BU5V
83	NC	O	FLASH write method setting	Not used during normal operation, Lo : Serial write permission
84	NC	I	FLASH write method setting	Not used during normal operation, Hi : Serial write permission
85	F_DEF_DIM	O	LED control of front DEF key	H : Bright light, L : Dim light
86	F_DEF_IND	O	LED control of front DEF key	Lo : ON, Hi : OFF
87	R_DEF_DIM	O	LED control of rear DEF key	H : Bright light, L : Dim light
88	R_DEF_IND	O	LED control of rear DEF key	Lo : ON, Hi : OFF
89	HENC_UP	I	Rotary encoder SW (A/C : A)	
90	HENC_DW	I	Rotary encoder SW (A/C : B)	
91	AENC_UP	I	Rotary encoder SW (Audio : A)	
92	AENC_DW	I	Rotary encoder SW (Audio : B)	
93	KS0_AH	O	Key matrix (SCAN : 0Bit)	
94	KS1_AH	O	Key matrix (SCAN : 1Bit)	
95	KS2_AH	O	Key matrix (SCAN : 2Bit)	
96	KS3_AH	O	Key matrix (SCAN : 3Bit)	
97	KS4_AH	O	Key matrix (SCAN : 4Bit)	
98	TONE	I	TONE (BAL/PAD) key input	Lo : OFF, Hi : ON
99	A_STORE	I	A_STORE key input	Lo : ON, Hi : OFF
100	DOWN_SEEK	I	DOWN_SEEK key input	Lo : OFF, Hi : ON

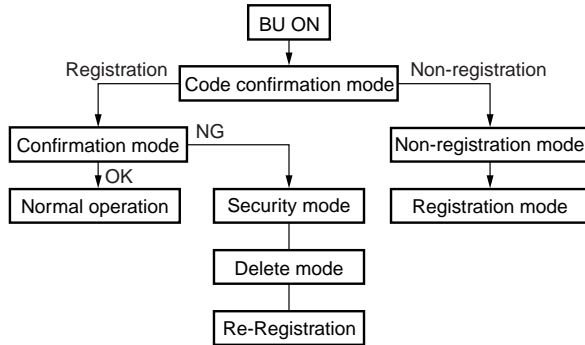
SECURITY CODE (GX-201RHF2)

The audio security system has been set for GX-201REF2 and GX-201RHF2.

● Security Function

Security is released when an agreement is found between the data from the immobilizer, which is sent from the vehicle, and the data that are set beforehand.

The interrelationship in the security system is shown in the chart below.



● Code Confirmation Mode

This mode is for judging whether the Security code is registered or not in the audio unit.

When the unit is reset, the operation will start from the Current mode.

- The registration condition of the Security code can be grasped using the E2PROM.
- The Security code is not registered or when abnormalities detected with E2PROM, the system will move to Non-registration mode.
- When registering a Security code, the system will move to Confirmation mode.

● Non-Registration Mode

Thus system will move to the Non-registration mode, when the Security code is not registered for an audio unit.

Even if the Security code is not resisted, operation is possible for an hour. However, there is a certain limitations placed on the operation. Using this time, production and a variation on the products will be conducted.

● Confirmation Mode

The system will automatically go into the Confirmation mode, when the Security code is confirmed to be adjusted to in the Code confirmation mode.

When the A/C ECU is obtained Through CAN from the Integrated ECU on the vehicle side, it goes into the gateway. The Immo code sent to the audio unit by UART and the Security code registered on the audio unit is compared.

As a result of confirmation, if the code is judged to be authentic, the system goes into normal operation. However, if the code is not judged to be authentic, then the system goes into the Security mode.

● Security Mode

The system goes into the Security mode when the Immo code is not judged to be authentic when it is compared with the Security code registered in the audio unit. When this happens, the unit can be operated for an hour. After the elapse of an hour, the power on the unit is cut off and operation is forcefully stopped.

Also, in the Non-registration mode, if an hour elapses, the system will go into the Security mode. In the Security mode, the power on the unit is cut off and operation is forcefully stopped.

Note : When working on a unit to repair it, the repair should be conducted in the one hour effective time. After the elapse of an hour, the power on the unit is cut off. If the power is put on again, another hour will be given to operate on.

- Conditions of the audio unit during the Security mode
 - Power off.
 - Display light off.
 - Keys do not work (Except the EJECT Key).
 - Audio power off (No voice output).
 - Switching on TV sources not possible. (Key operation from the monitor not possible.)
 - Voice interruption/switching from NAVI and hands-free unit not possible.
 - In the Security mode, the display is not lighted and when there is an input from any of the key, "SECURITY" will be displayed.

● Delete Mode

The system goes in the Delete mode, when the "Requesting Delete" condition of the Integrated ECU operating condition signal from the Integrated ECU is obtained by the A/C ECU via low-speed CAN into the gateway and it is sent to the audio unit via UART.

The Delete mode is positioned as a Test mode and detailed input methods are not disclosed.

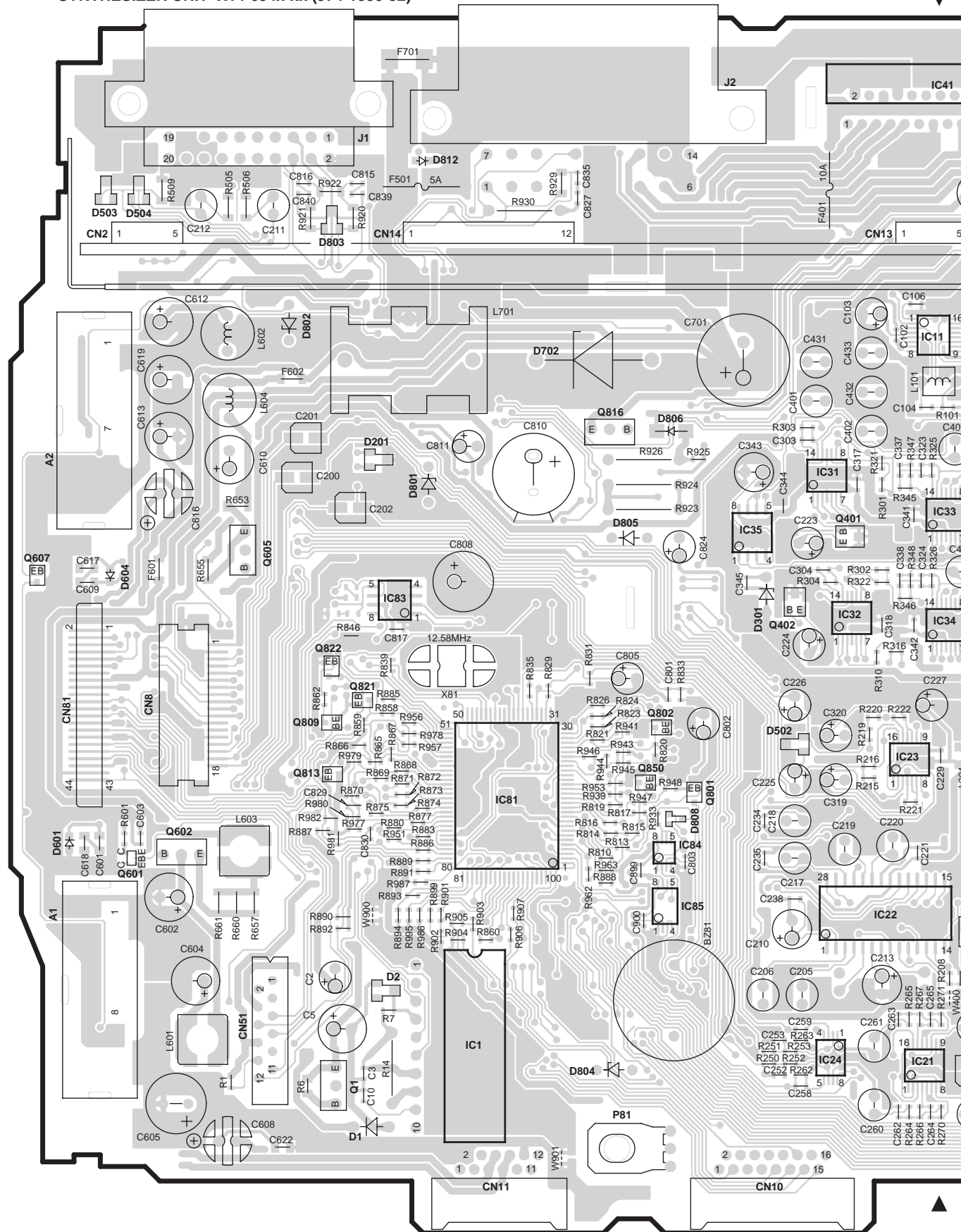
The Security code recorded into the E2PROM in the Registration mode and Re-registration mode is cleared in the Delete mode and non-registration condition is obtained.

Note : When a linked product is repaired, the security code must be deleted when the repair work is completed.

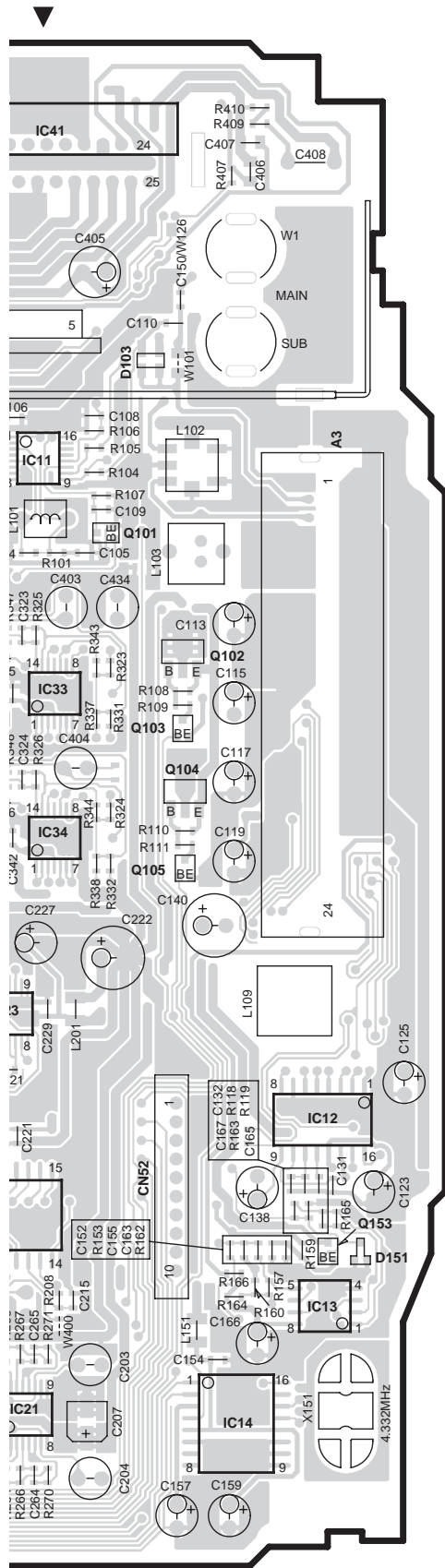
For GX-201, in order to maintain the security, deletion is only effective when selection monitor is used.

A B C D E
GX-201KHF2/LHF2/RHF2/SHF2
PC BOARD (COMPONENT SIDE VIEW)

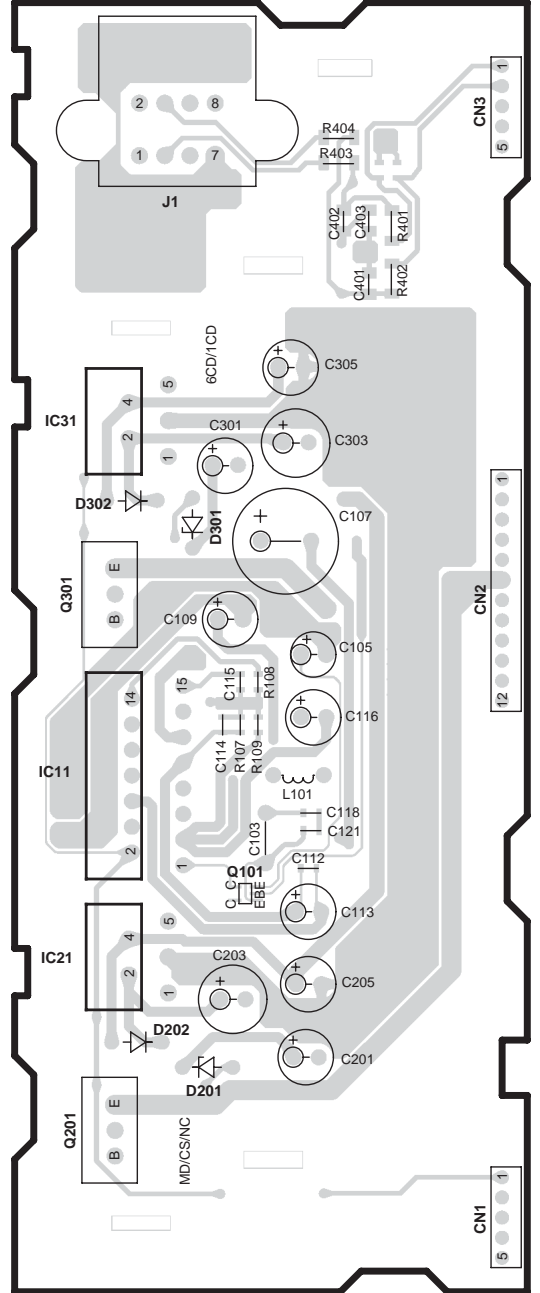
SYNTHESIZER UNIT X14-694x-xx (J74-1350-52)



GX-201KHF2/LHF2/RHF2/SHF2



DAUGHTER UNIT X89-2540-01 (J74-1349-12)



X14-694x-xx

Ref No.	Address
IC11	3E
IC12	5G
IC13	6G
IC14	6F
IC22	6E
IC23	5E
IC31	4E
IC32	4E
IC33	4F
IC34	4F
IC35	4D
IC41	2E
IC81	5C
IC83	4C
IC84	5D
IC85	6D
Q101	3F
Q102	4F
Q103	4F
Q104	4F
Q105	4F
Q153	6G
Q401	4E
Q402	4E
Q601	5A
Q602	5B
Q605	4B
Q607	4A
Q801	5D
Q802	5D
Q809	5B
Q813	5B
Q816	3D
Q821	5C
Q822	4B
Q850	5D

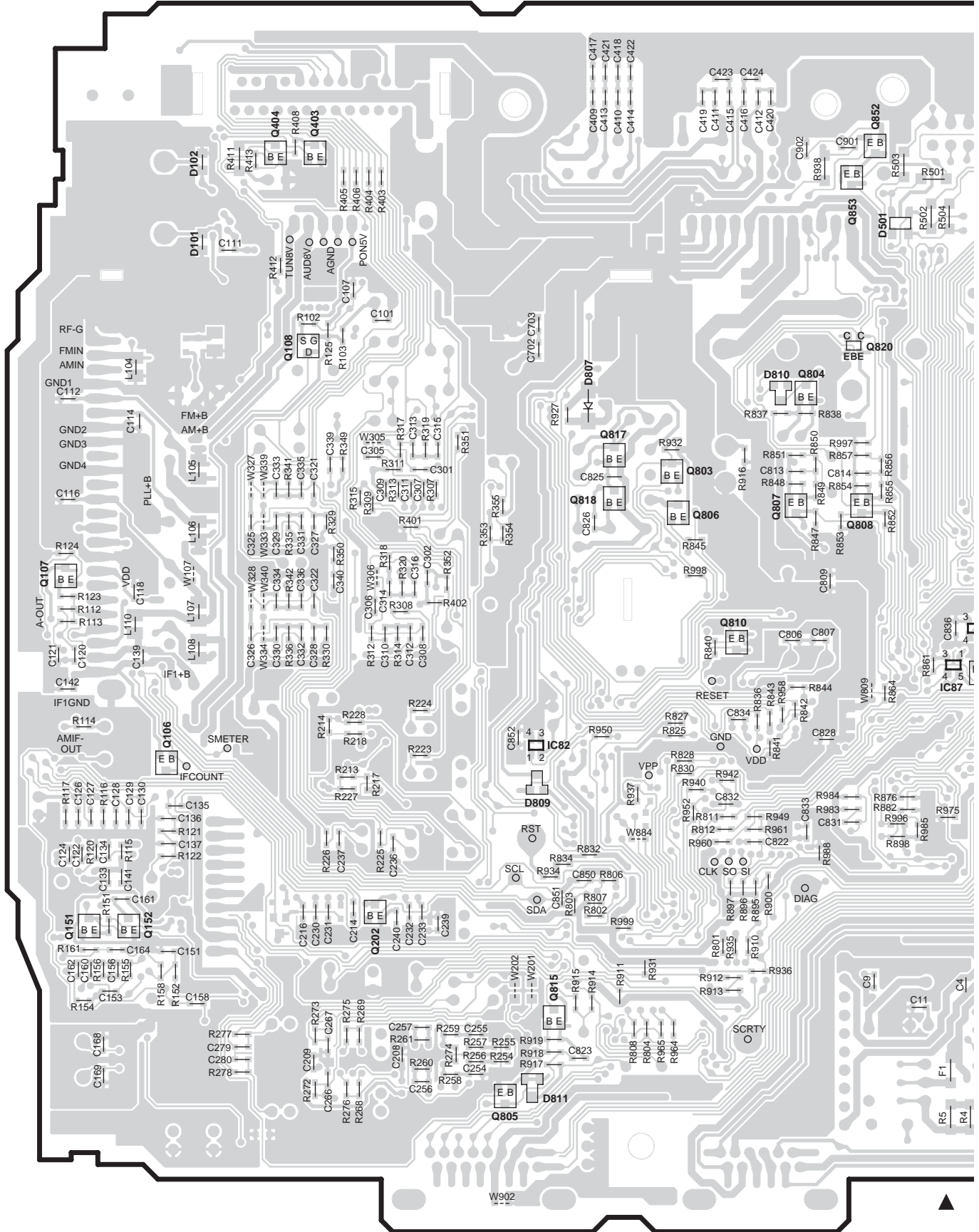
X89-2540-01

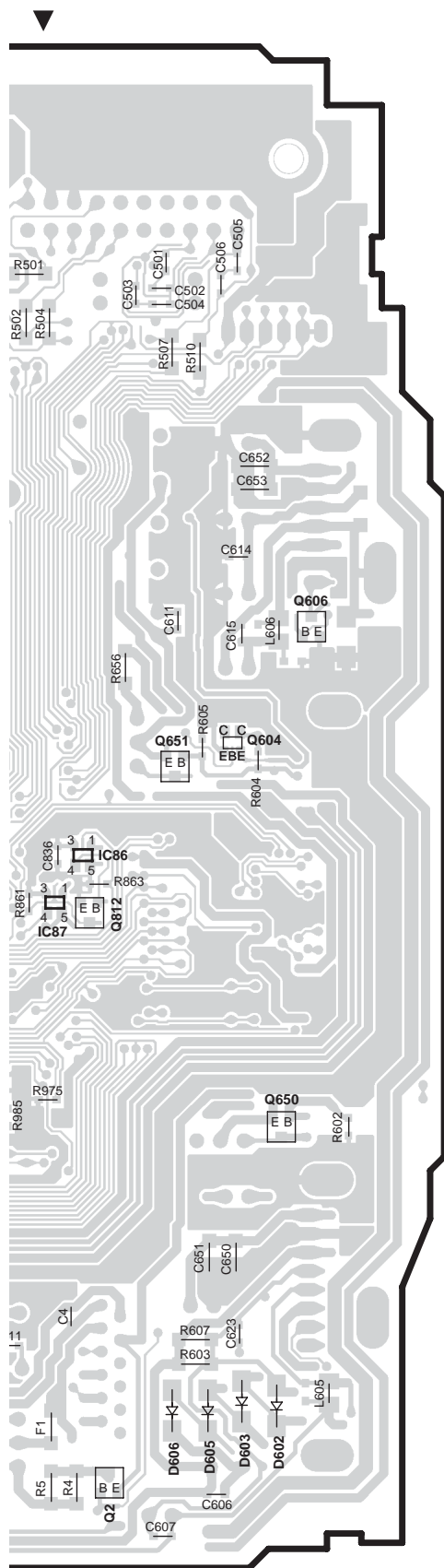
Ref No.	Address
IC11	4I
IC31	3I
Q101	4I
Q301	3I

Refer to the schematic diagram for the values of resistors and capacitors.

K L M N O
GX-201KHF2/LHF2/RHF2/SHF2
PC BOARD (FOIL SIDE VIEW)

SYNTHESIZER UNIT X14-694x-xx (J74-1350-52)

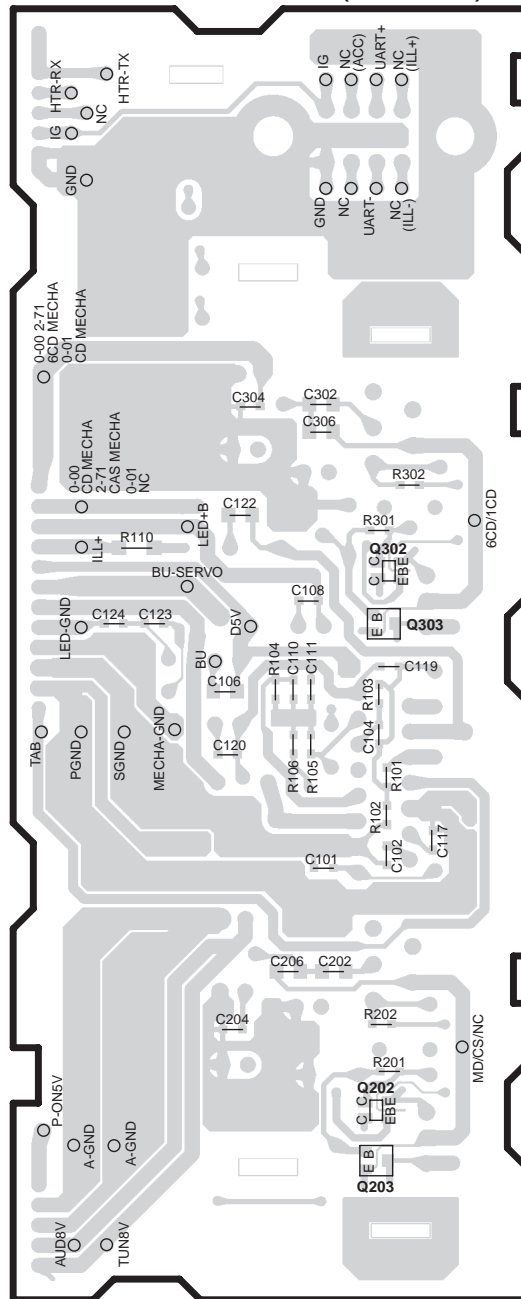




X14-694x-xx

Ref No.	Address
IC82	5M
IC86	4P
IC87	5P
Q106	5L
Q107	4K
Q108	3L
Q151	6K
Q152	6L
Q202	6M
Q403	2L
Q404	2L
Q604	4P
Q606	3Q
Q650	5Q
Q651	4P
Q803	4N
Q804	3O
Q805	7M
Q806	4N
Q807	4O
Q808	4O
Q810	4N
Q812	5P
Q815	6M
Q817	3N
Q818	4N
Q820	3O
Q852	2O
Q853	2O

DAUGHTER UNIT X89-2540-01 (J74-1349-12)



X89-2540-01

Ref No.	Address
Q302	3T
Q303	3T

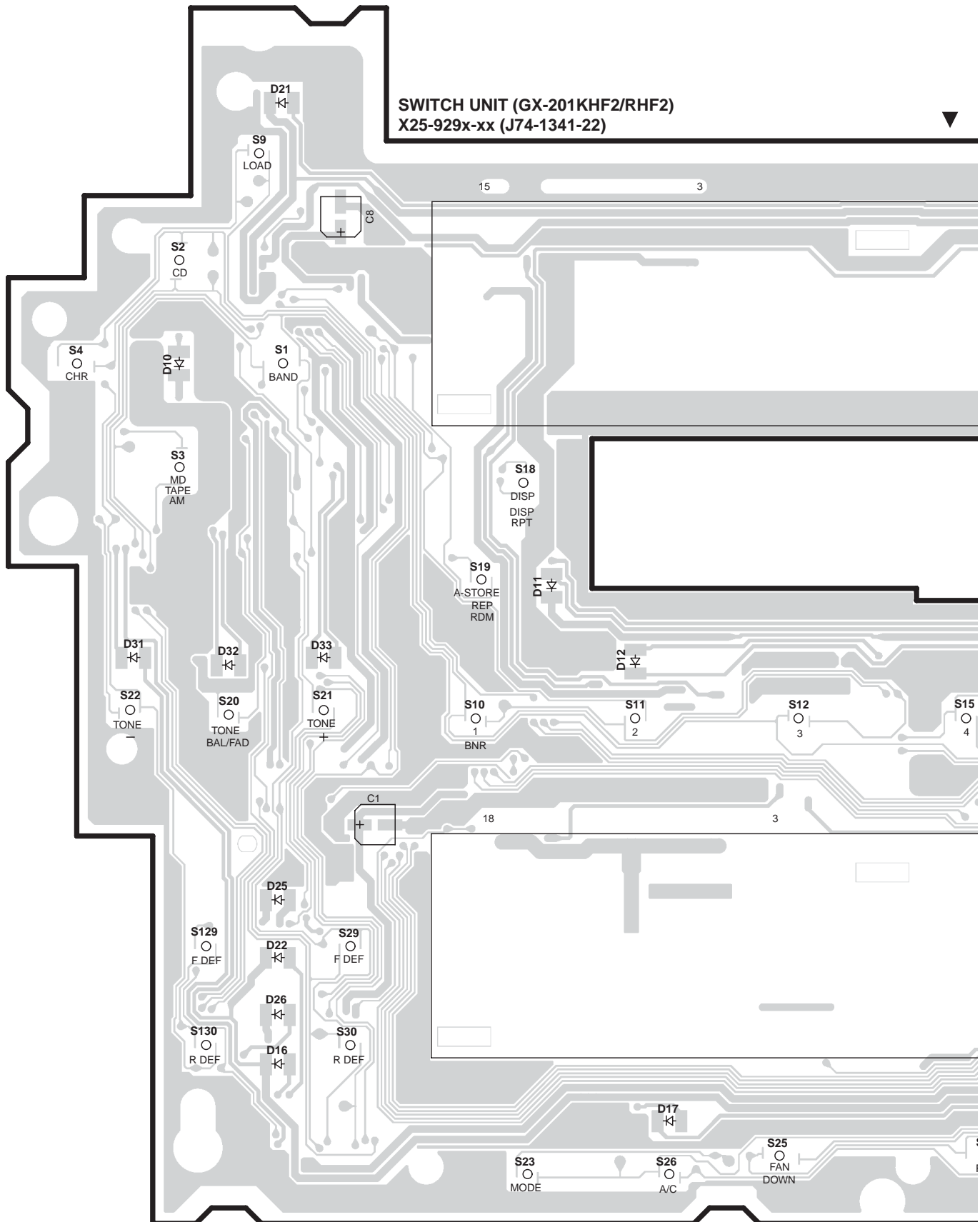
Refer to the schematic diagram for the values of resistors and capacitors.

GX-201KHF2/LHF2/RHF2/SHF2

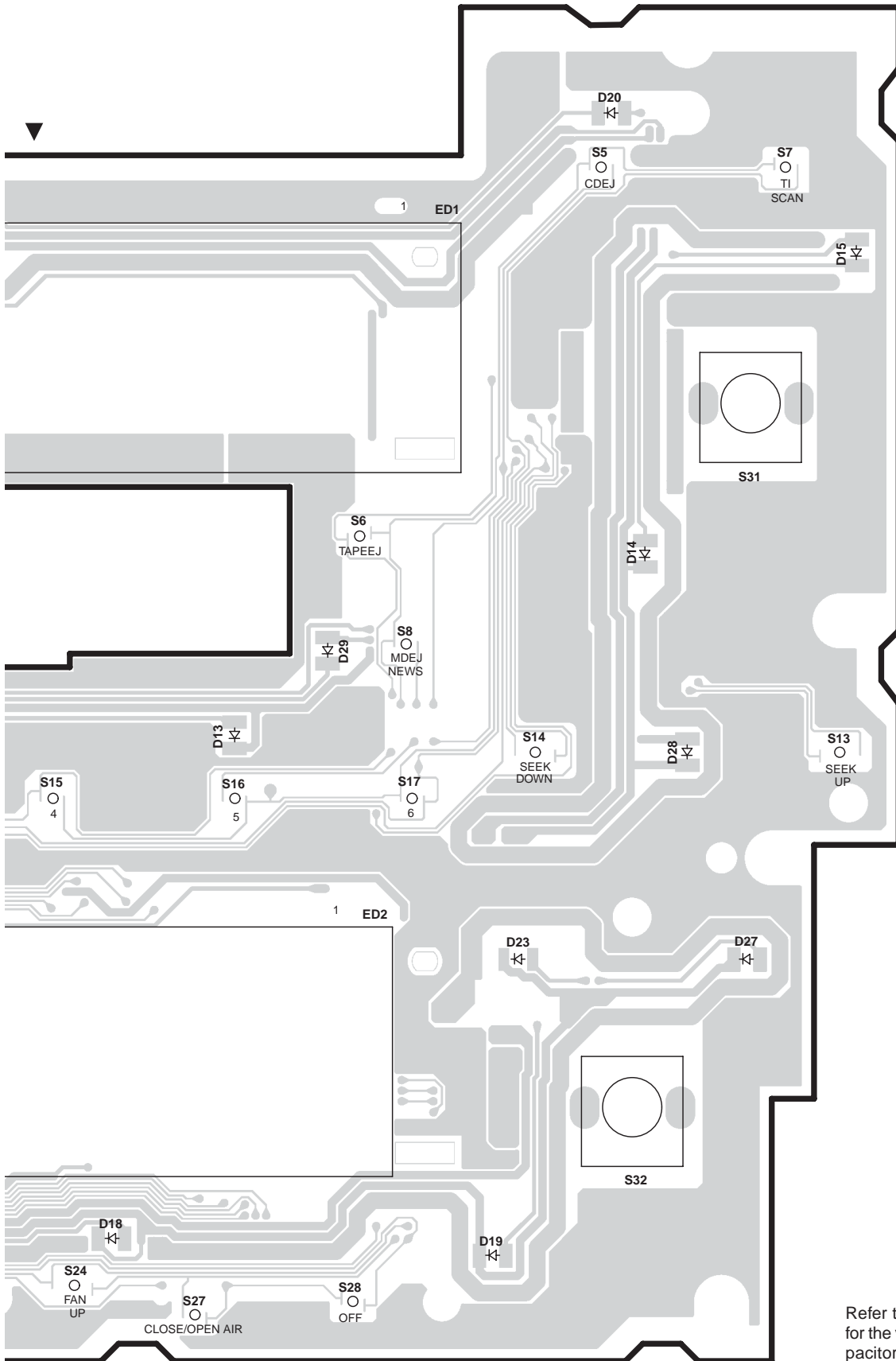
PC BOARD (COMPONENT SIDE VIEW)

1
2
3
4
5
6
7

SWITCH UNIT (GX-201KHF2/RHF2)
X25-929x-xx (J74-1341-22)



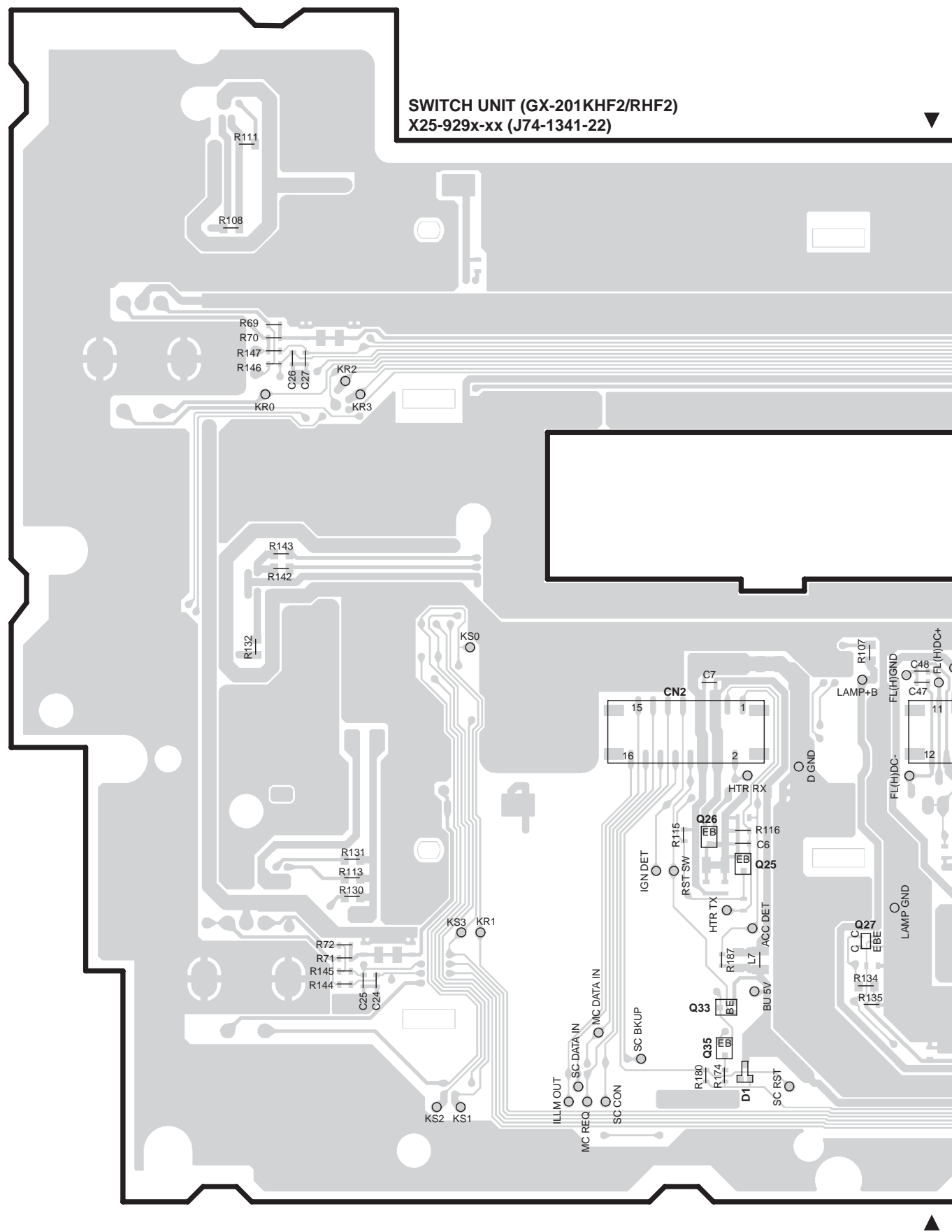
GX-201KHF2/LHF2/RHF2/SHF2

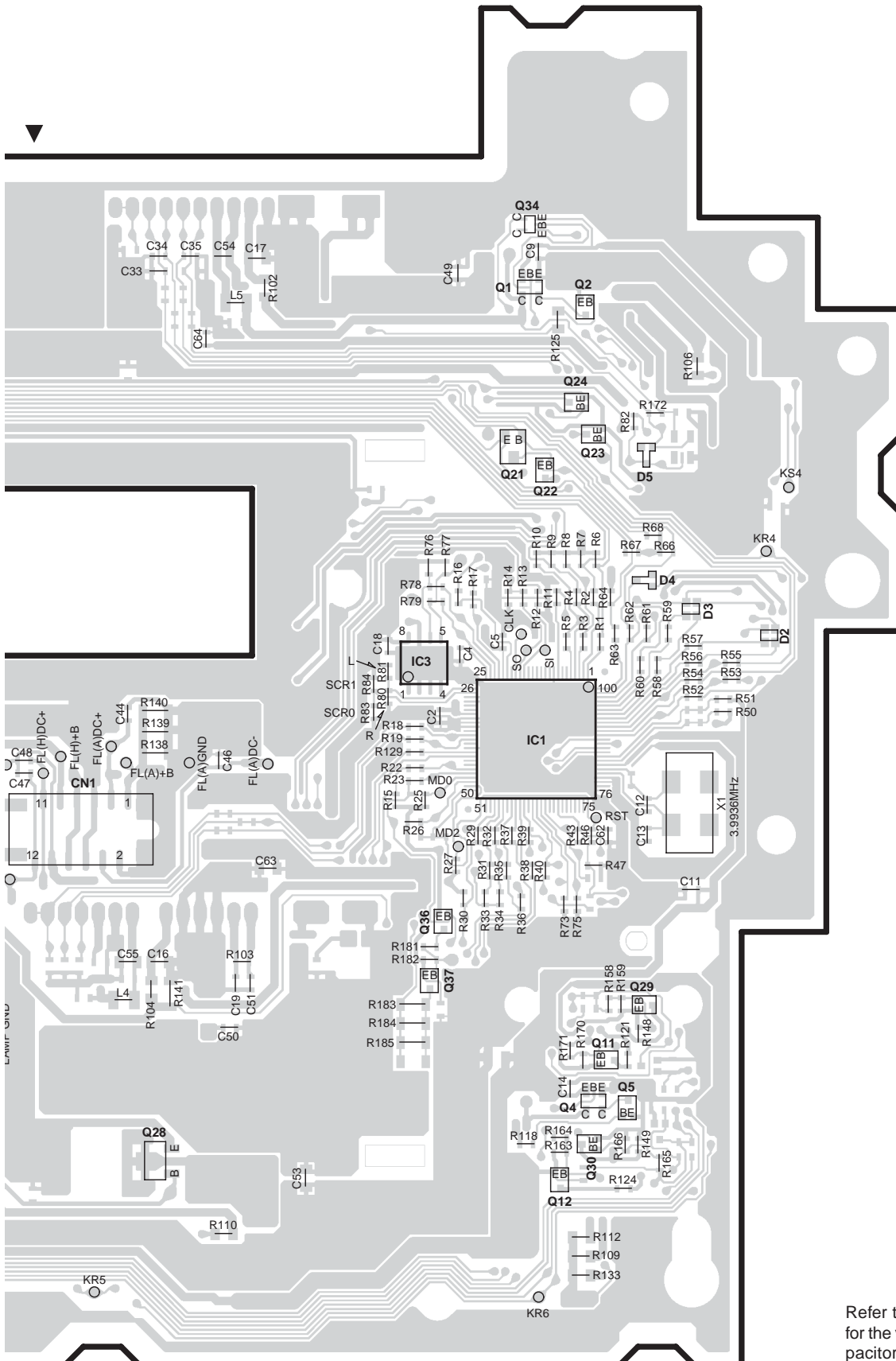


Refer to the schematic diagram for the values of resistors and capacitors.

GX-201KHF2/LHF2/RHF2/SHF2

PC BOARD (FOIL SIDE VIEW)





X25-929x-xx

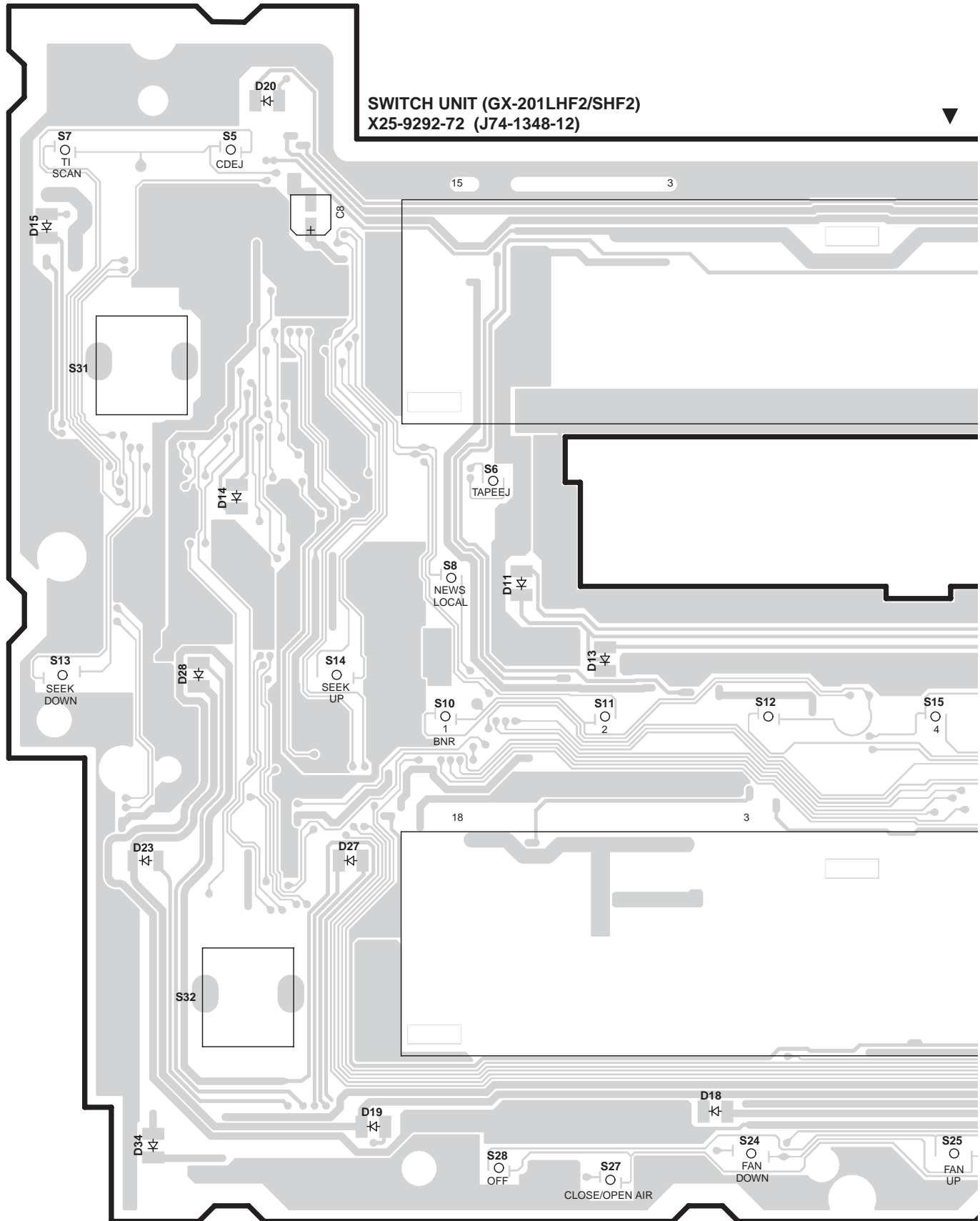
Ref No.	Address
IC1	4AL
IC3	4AK
Q1	2AL
Q2	2AL
Q4	6AL
Q5	6AL
Q11	6AL
Q12	6AL
Q21	3AL
Q22	3AL
Q23	3AL
Q24	3AL
Q25	5AI
Q26	5AH
Q27	6AI
Q28	6AJ
Q29	5AL
Q30	6AL
Q33	6AH
Q34	2AL
Q35	6AH
Q36	5AK
Q37	5AK

Refer to the schematic diagram for the values of resistors and capacitors.

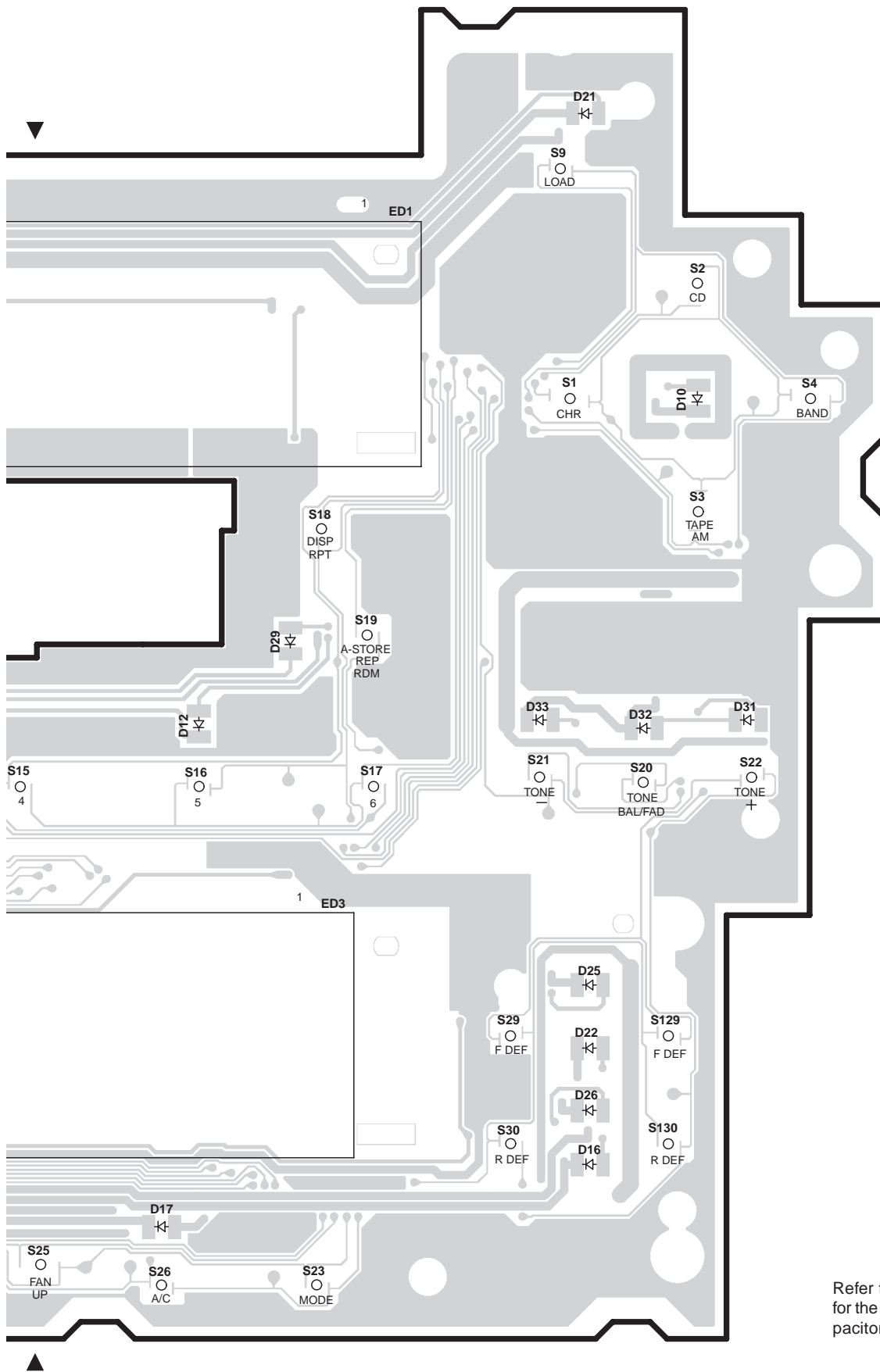
GX-201KHF2/LHF2/RHF2/SHF2

PC BOARD (COMPONENT SIDE VIEW)

SWITCH UNIT (GX-201LHF2/SHF2)
X25-9292-72 (J74-1348-12)



GX-201KHF2/LHF2/RHF2/SHF2

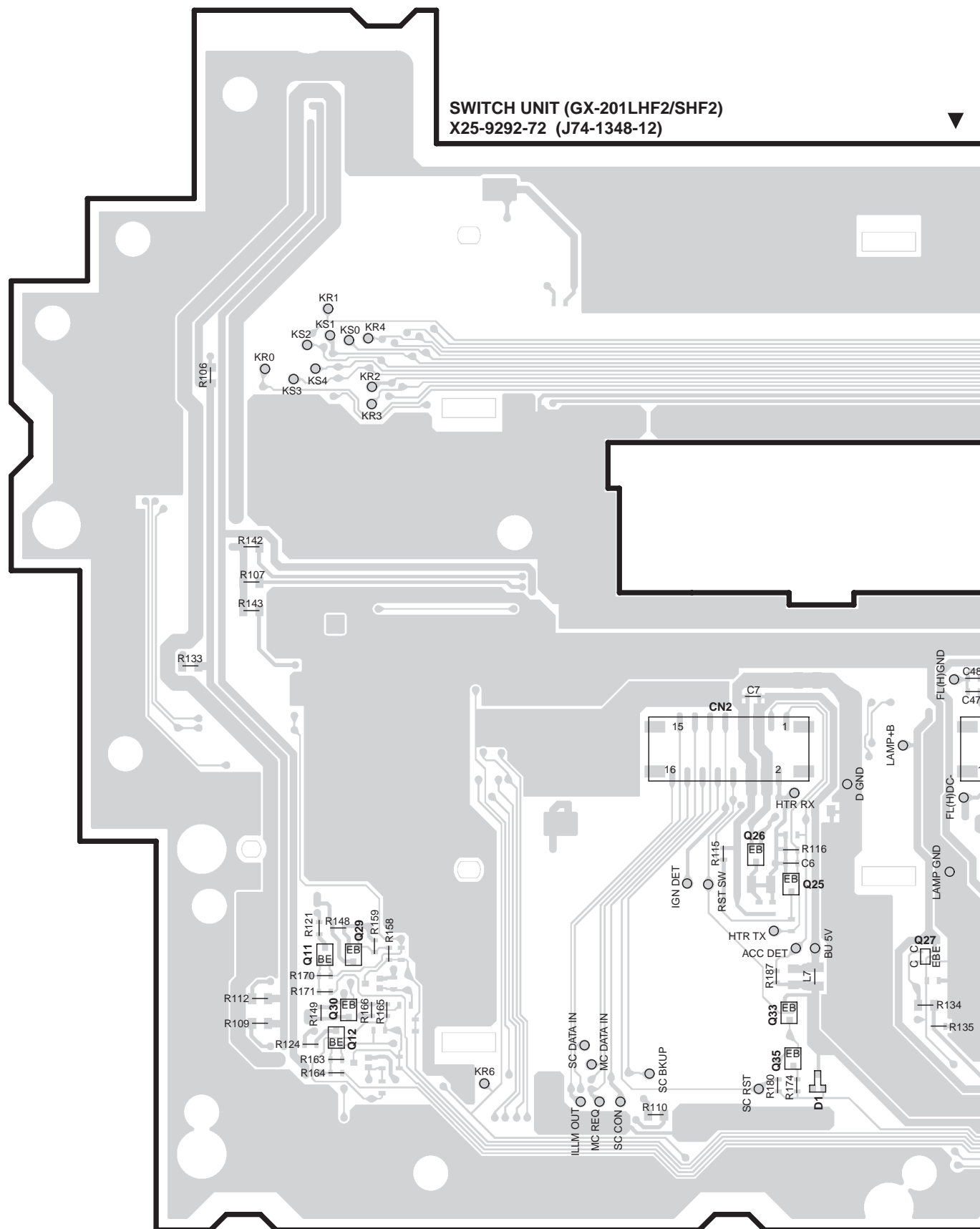


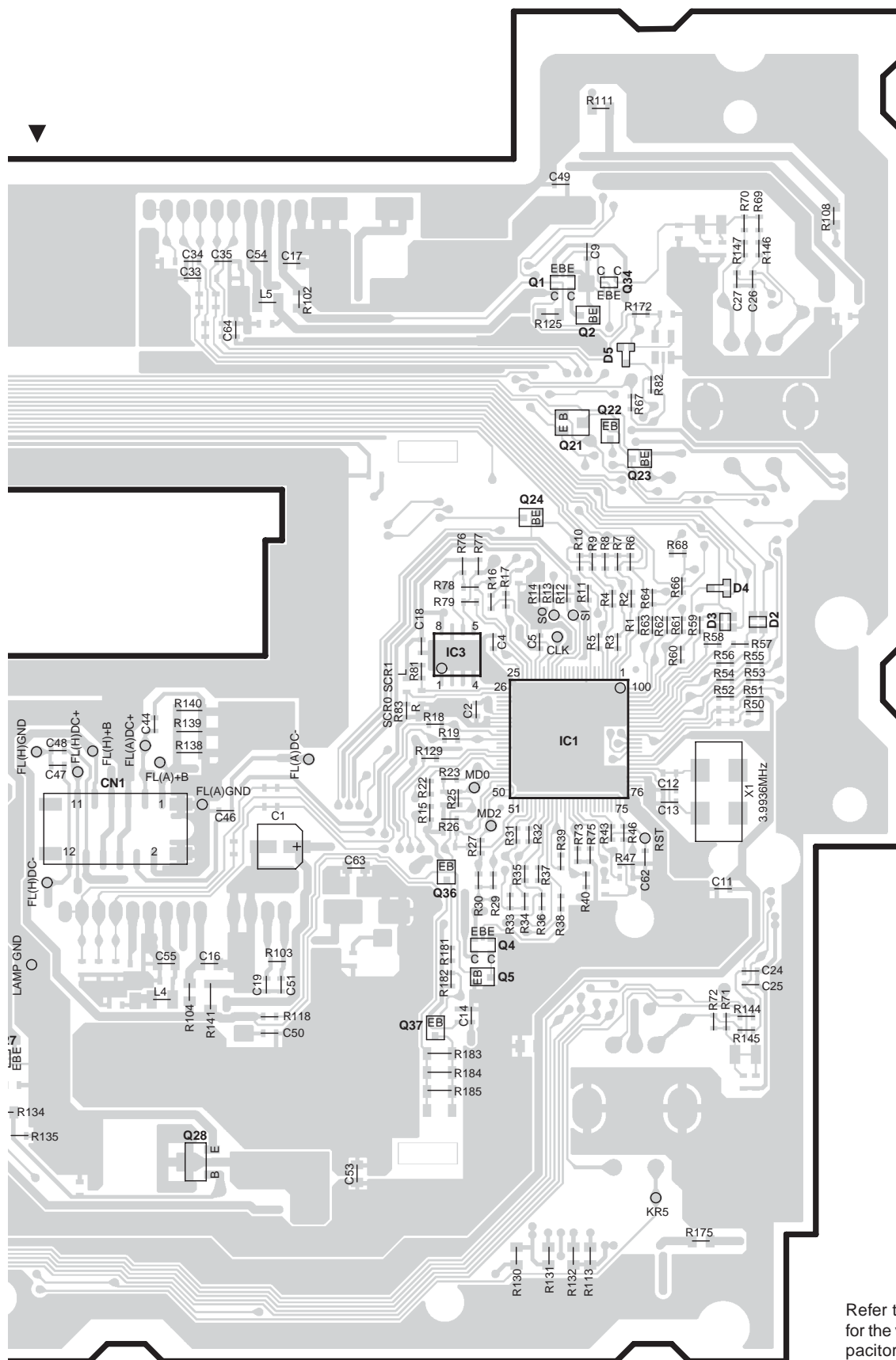
Refer to the schematic diagram for the values of resistors and capacitors.

GX-201KHF2/LHF2/RHF2/SHF2

PC BOARD (FOIL SIDE VIEW)

SWITCH UNIT (GX-201LHF2/SHF2)
X25-9292-72 (J74-1348-12)





X25-9292-72

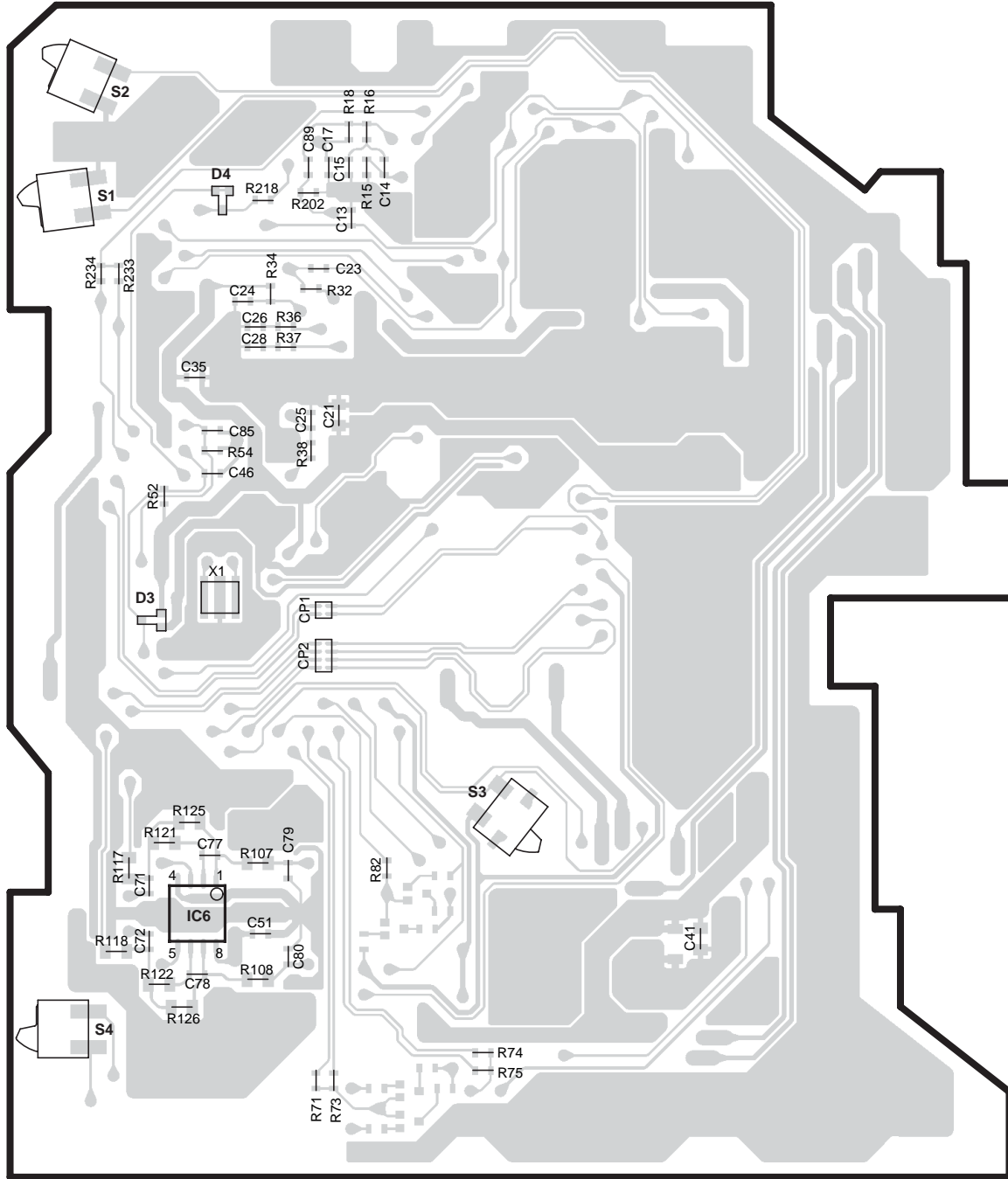
Ref No.	Address
IC1	4BF
IC3	4BE
Q1	2BF
Q2	3BF
Q4	5BF
Q5	5BF
Q11	6AZ
Q12	6BA
Q21	3BF
Q22	3BF
Q23	3BF
Q24	3BF
Q25	5BC
Q26	5BB
Q27	6BC
Q28	6BD
Q29	6BA
Q30	6AZ
Q33	6BC
Q34	2BF
Q35	6BC
Q36	5BE
Q37	6BE

Refer to the schematic diagram for the values of resistors and capacitors.

GX-201KHF2/LHF2/RHF2/SHF2

PC BOARD (COMPONENT SIDE VIEW)

CD PLAYER UNIT X32-5240-01 (J74-1249-02)



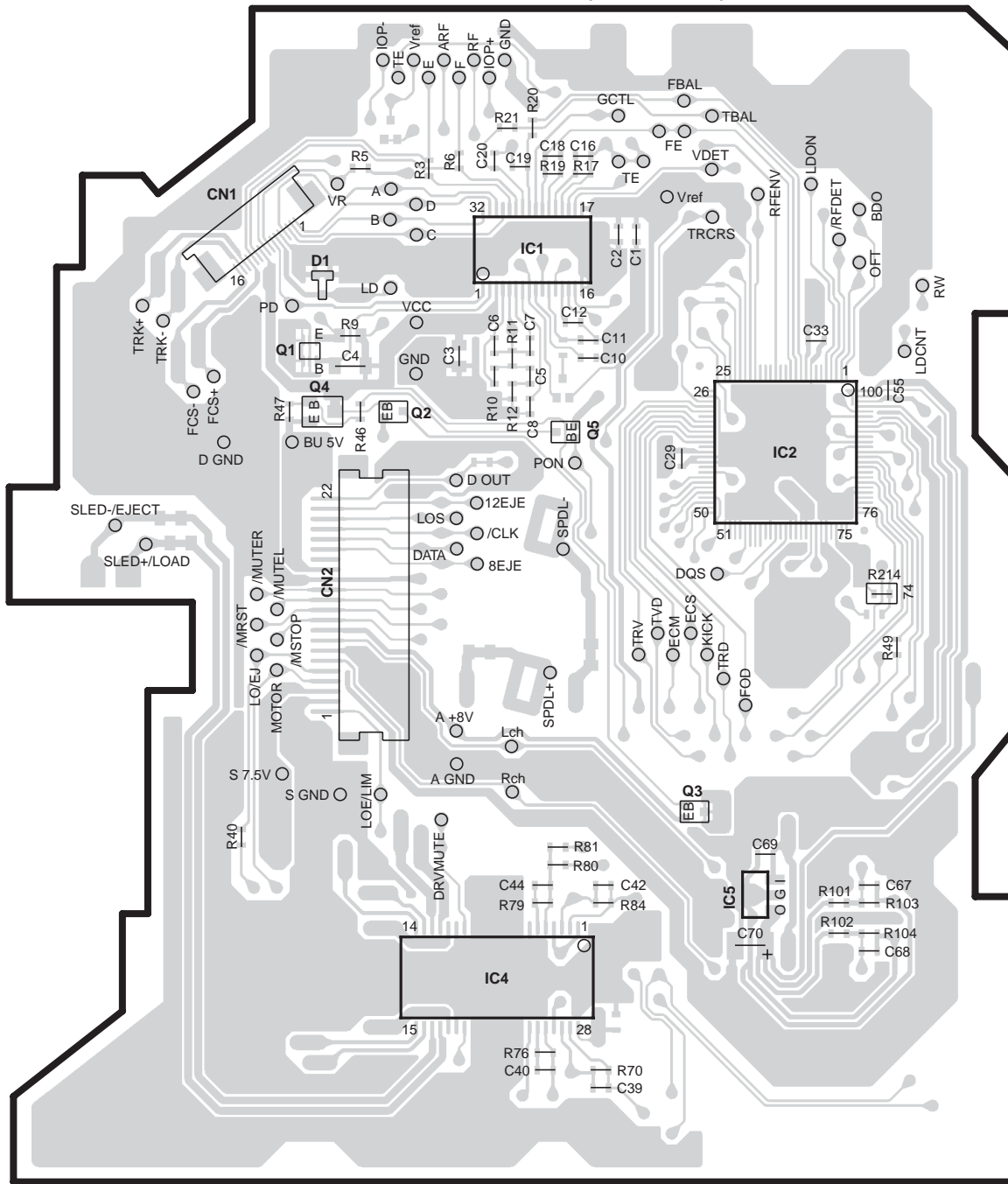
X32-5240-01

Ref No.	Address
IC6	5BJ

Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (FOIL SIDE VIEW)

CD PLAYER UNIT X32-5240-01 (J74-1249-02)

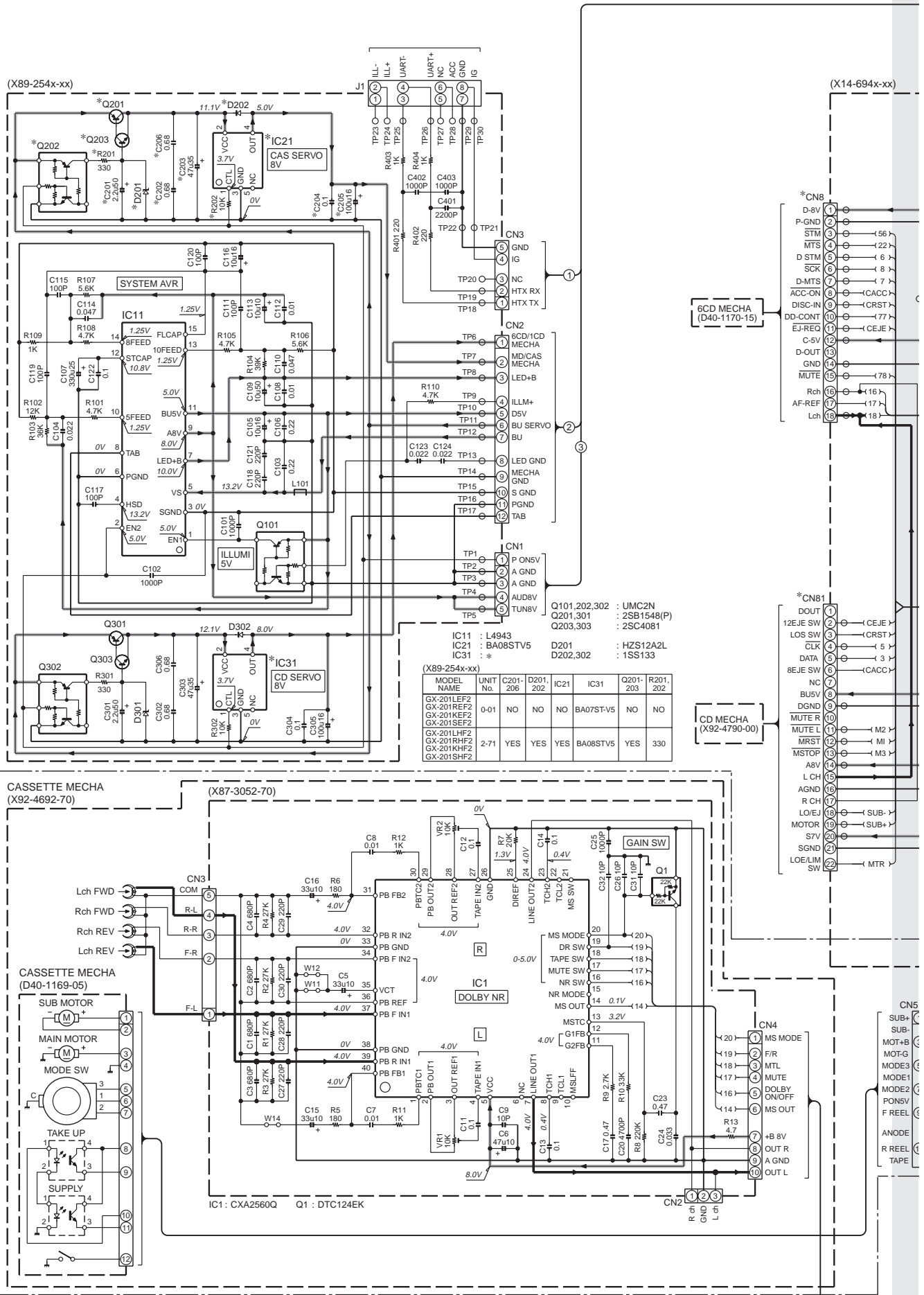


X32-5240-01

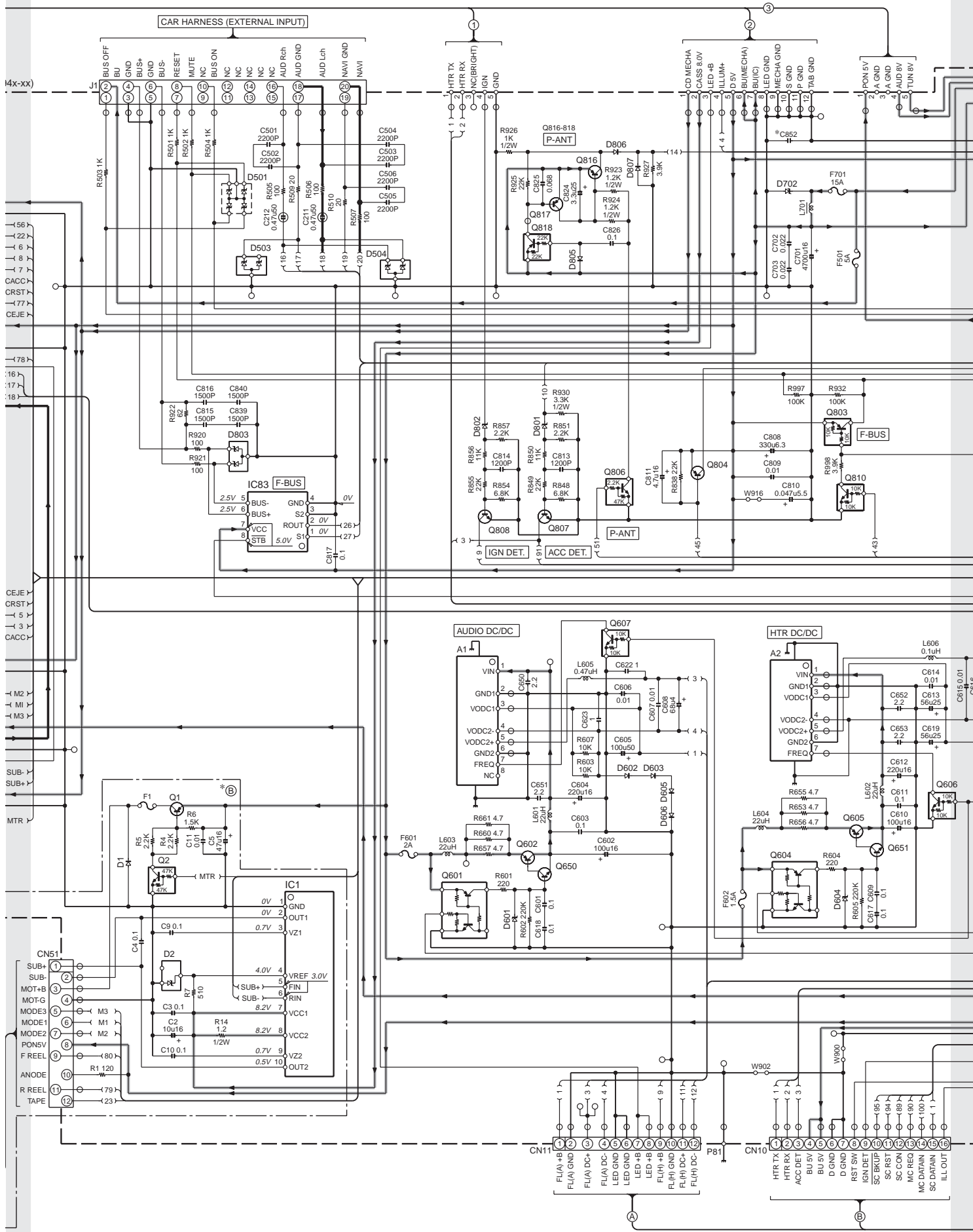
Ref No.	Address	Ref No.	Address
IC1	2BP	Q2	3BO
IC2	3BQ	Q3	4BQ
IC4	5BP	Q4	3BO
IC5	5BQ	Q5	3BP
Q1	3BO		

Refer to the schematic diagram for the values of resistors and capacitors.

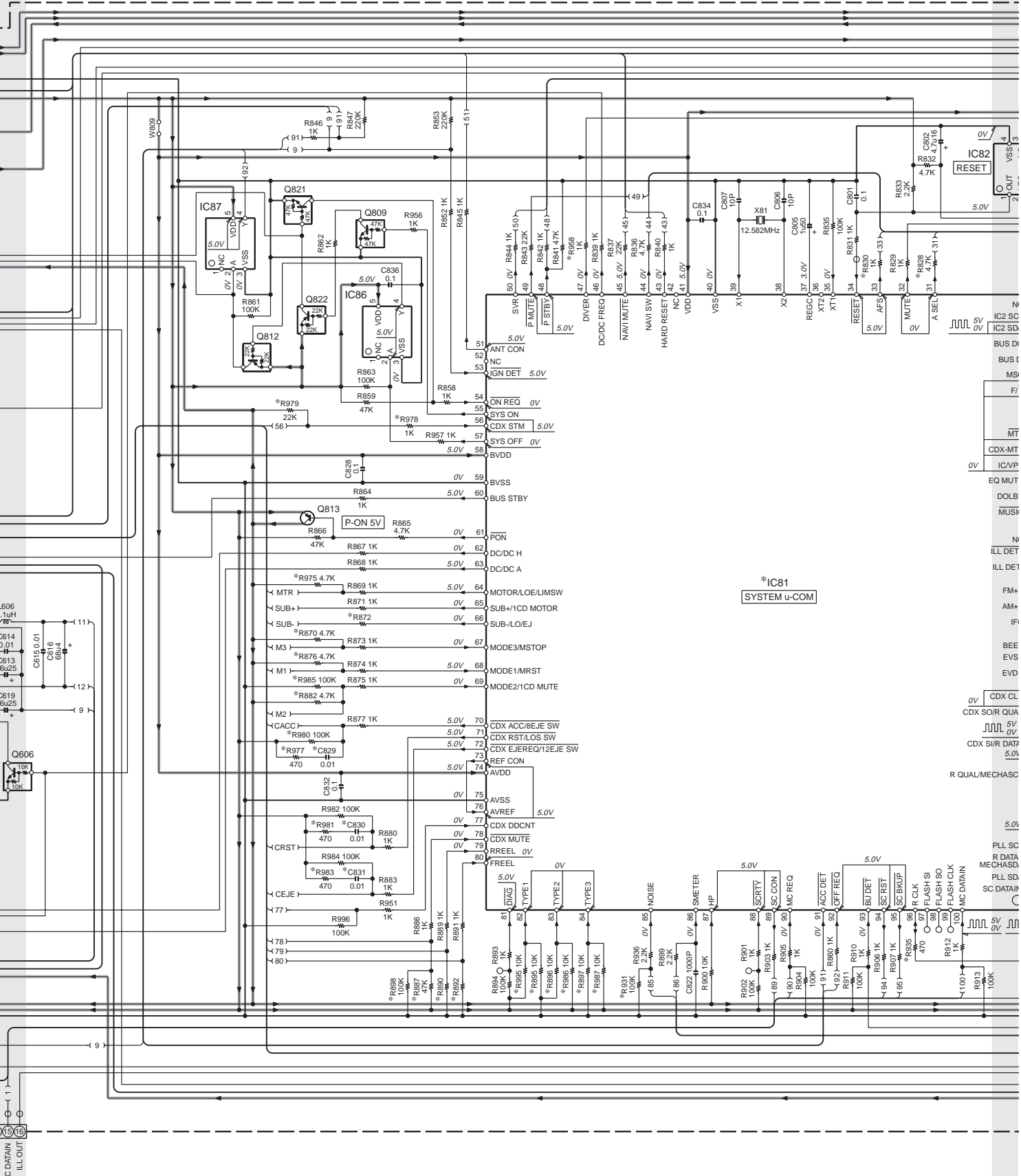
GX-201KHF2/LHF2/RHF2/SHF2



GX-201KHF2/LHF2/RHF2/SHF2



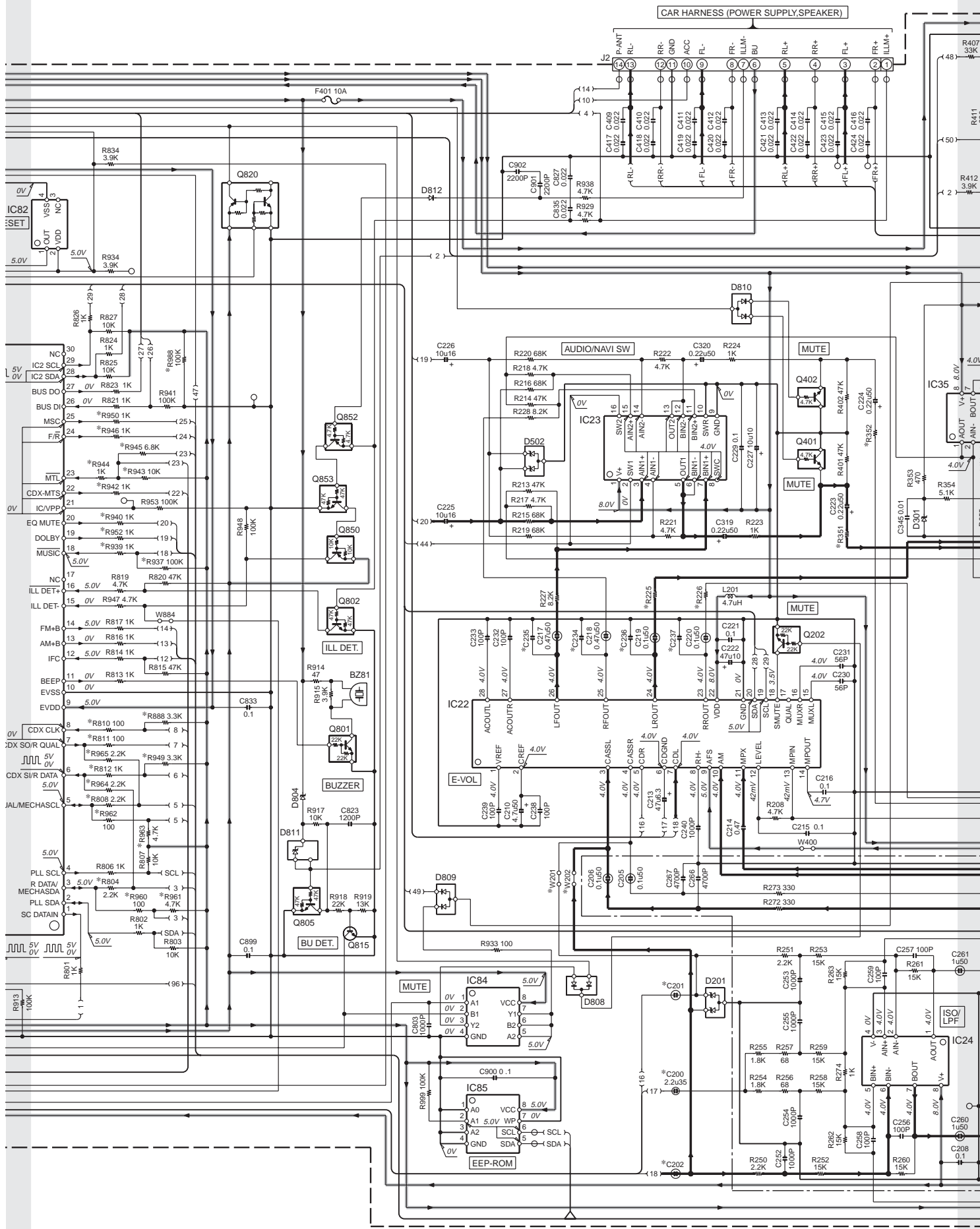
GX-201KHF2/LHF2/RHF2/SHF2



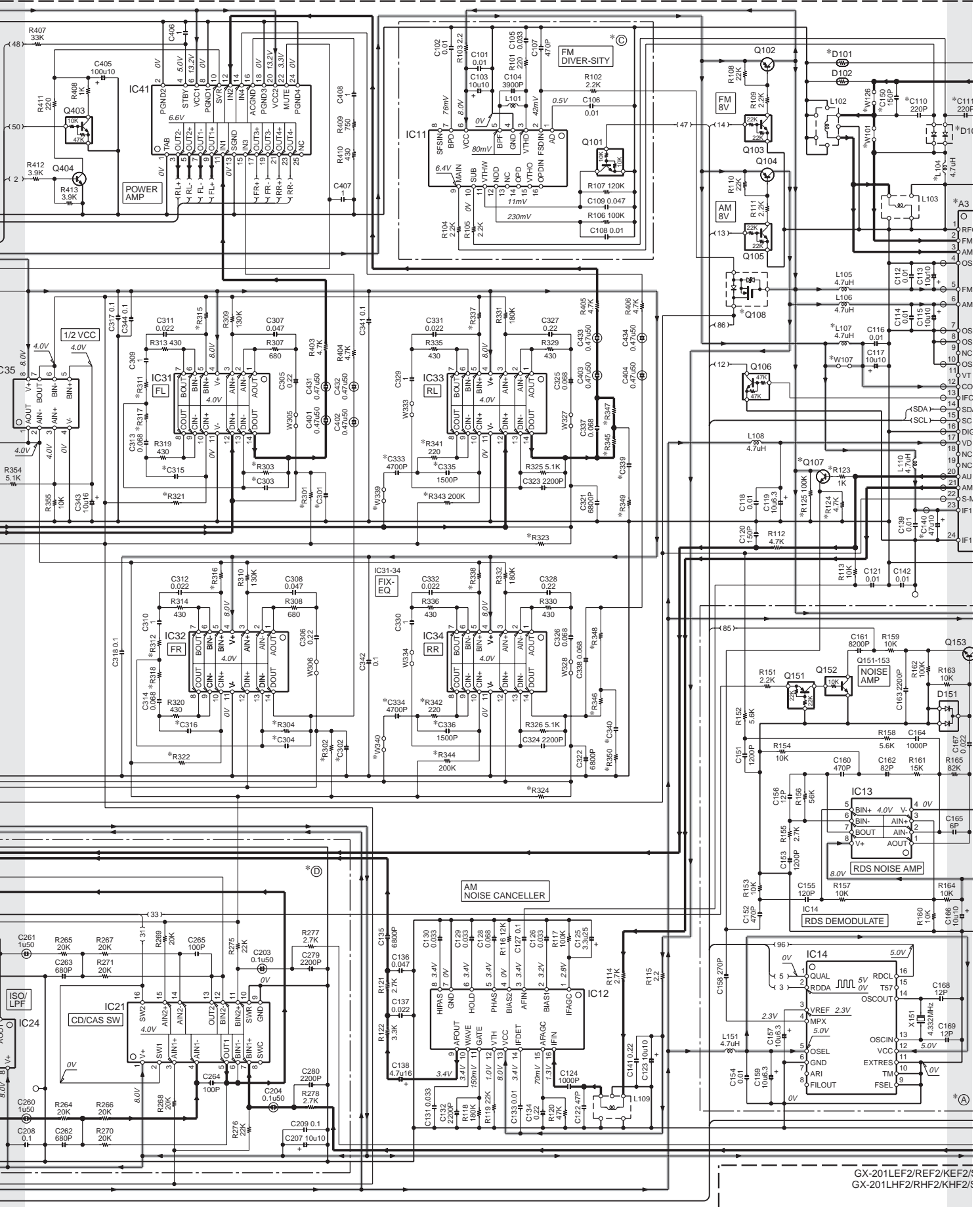
*IC81
SYSTEM u-COM

51	5.0V	ANT CON	IC2 SC
52	NC	IGN DET	IC2 SD
53	5.0V	ON REQ	BUS D
54	0V	SYS ON	BUS I
55	5.0V	CDX STM	MSI
56	5.0V	SYS OFF	F/
57	5.0V	BVDD	MT
58	0V	BVSS	CDX-MT
59	5.0V	BUS STBY	IC/V/P
60	0V	PON	EQ MUT
61	0V	DC/DC H	DOLB
62	5.0V	DC/DC A	MUSH
63	5.0V	MOTOR/LOE/LIMS W	NC
64	5.0V	SUB+/1CD MOTOR	ILL DET
65	0V	SUB-/LOEJ	ILL DET
66	0V	MODE3/MSTOP	FM+
67	5.0V	MODE1/MRST	AM+
68	5.0V	MODE2/1CD MUTE	IF+
69	5.0V	CDX ACC/8EJE SW	BEE
70	5.0V	CDX RST/LOS SW	EVS
71	5.0V	CDX EJEREQ/12EJE SW	EVD
72	5.0V	REF CON	CDX CL
73	5.0V	AVDD	CDX SOI/R QUA
74	0V	AVSS	5V
75	5.0V	AVREF	0V
76	0V	CDX DDCNT	CDX SI/R DATA
77	0V	CDX MUTE	5V
78	0V	RREEL	0V
79	0V	FREEL	CDX SI/R DATA
80	5.0V	DIAG	R QUAL/MECHASC
81	5.0V	TYPE1	5.0V
82	5.0V	TYPE2	PLL SC
83	5.0V	TYPE3	R DATA
84	5.0V	NOISE	MECHASC
85	5.0V	SMETER	PLL SD
86	5.0V	HP	SC DATA
87	5.0V	SECRETY	SC DATA
88	5.0V	SC CON	
89	5.0V	ACC DEF	
90	5.0V	OFF REQ	
91	5.0V	BU DET	
92	5.0V	SC RST	
93	5.0V	SC BKUP	

GX-201KHF2/LHF2/RHF2/SHF2



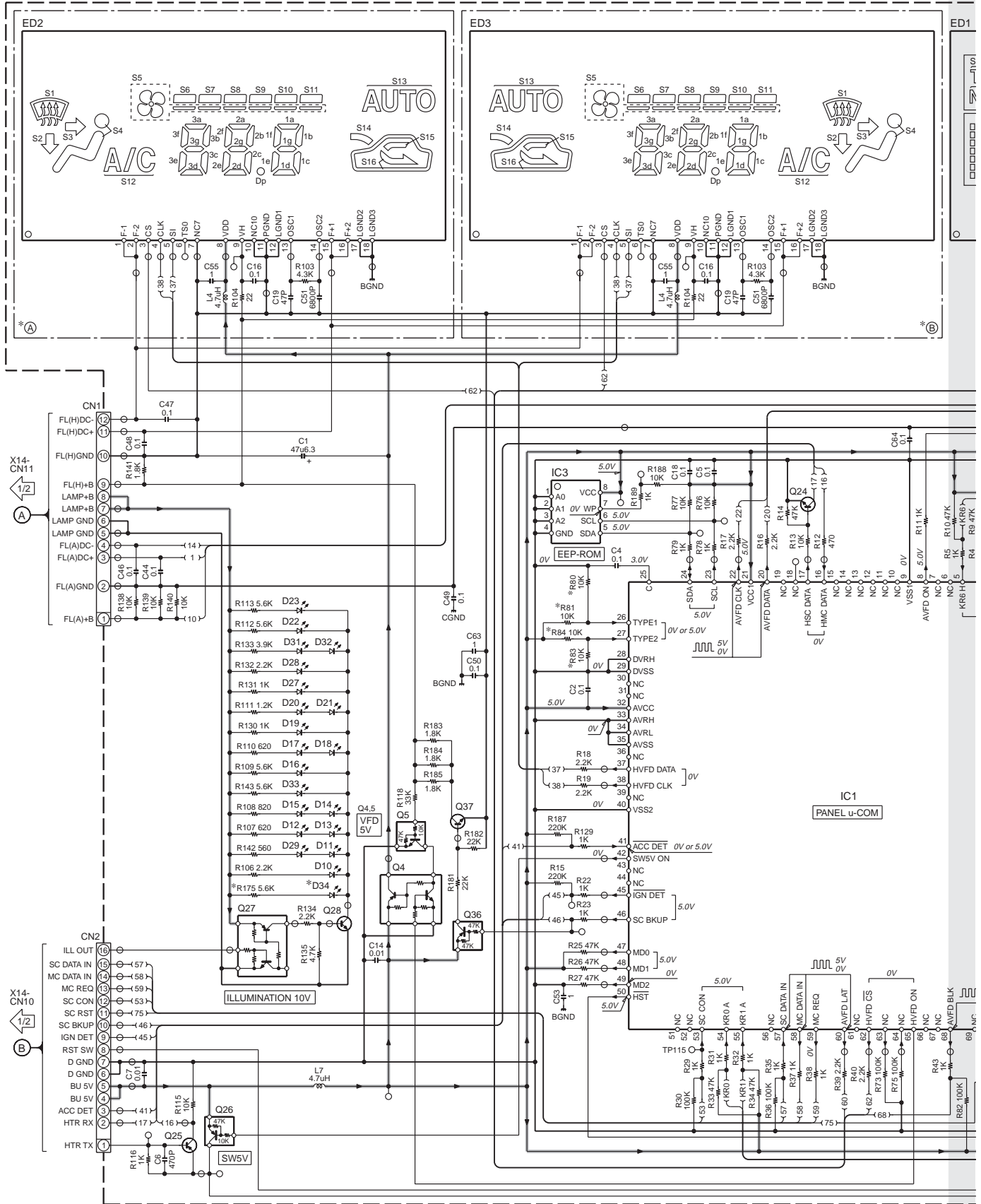
GX-201KHF2/LHF2/RHF2/SHF2



GX-201LEF2/REF2/KEF2/
GX-201LHF2/RHF2/KHF2/

GX-201KHF2/LHF2/RHF2/SHF2

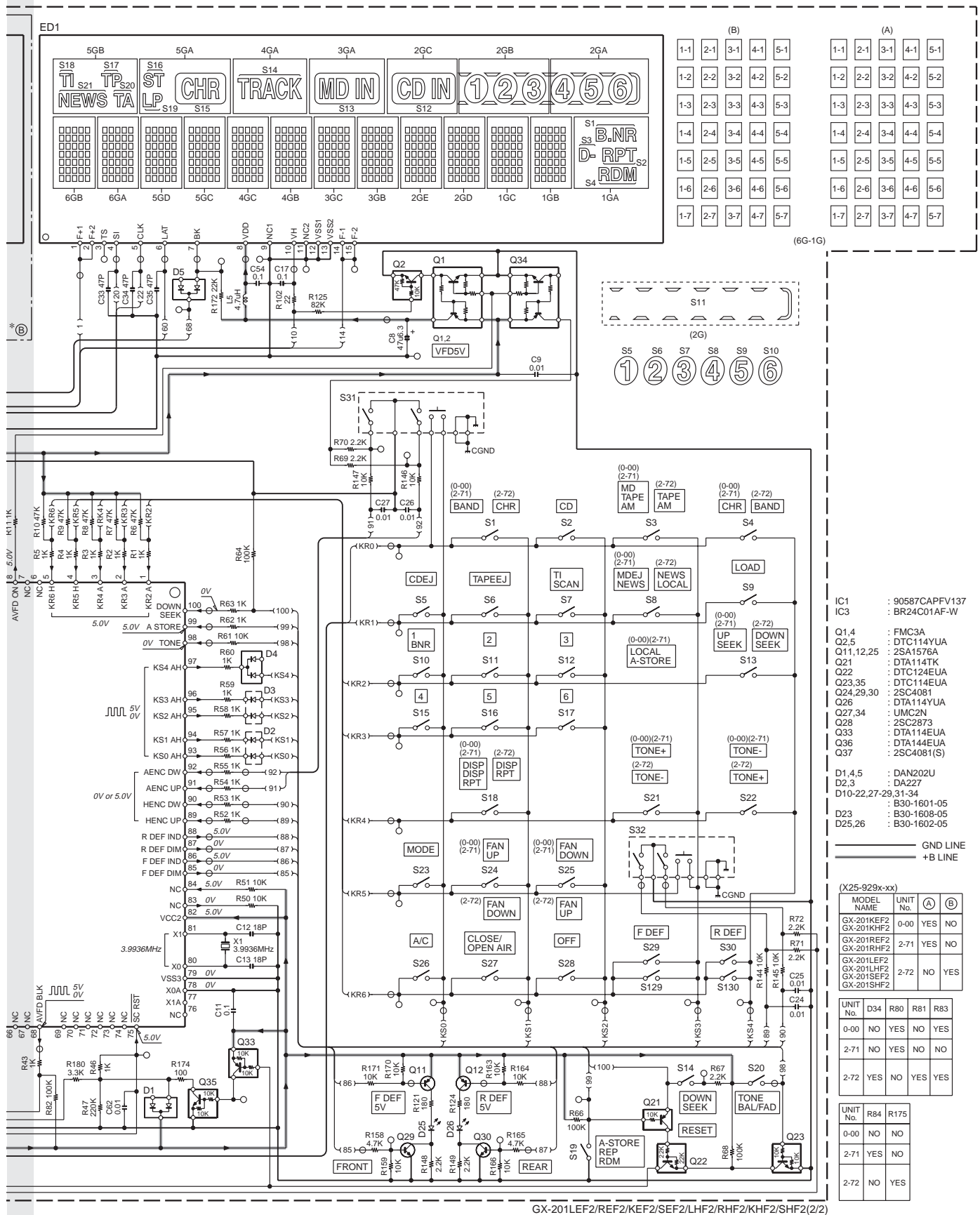
(X25-929x-xx)



CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

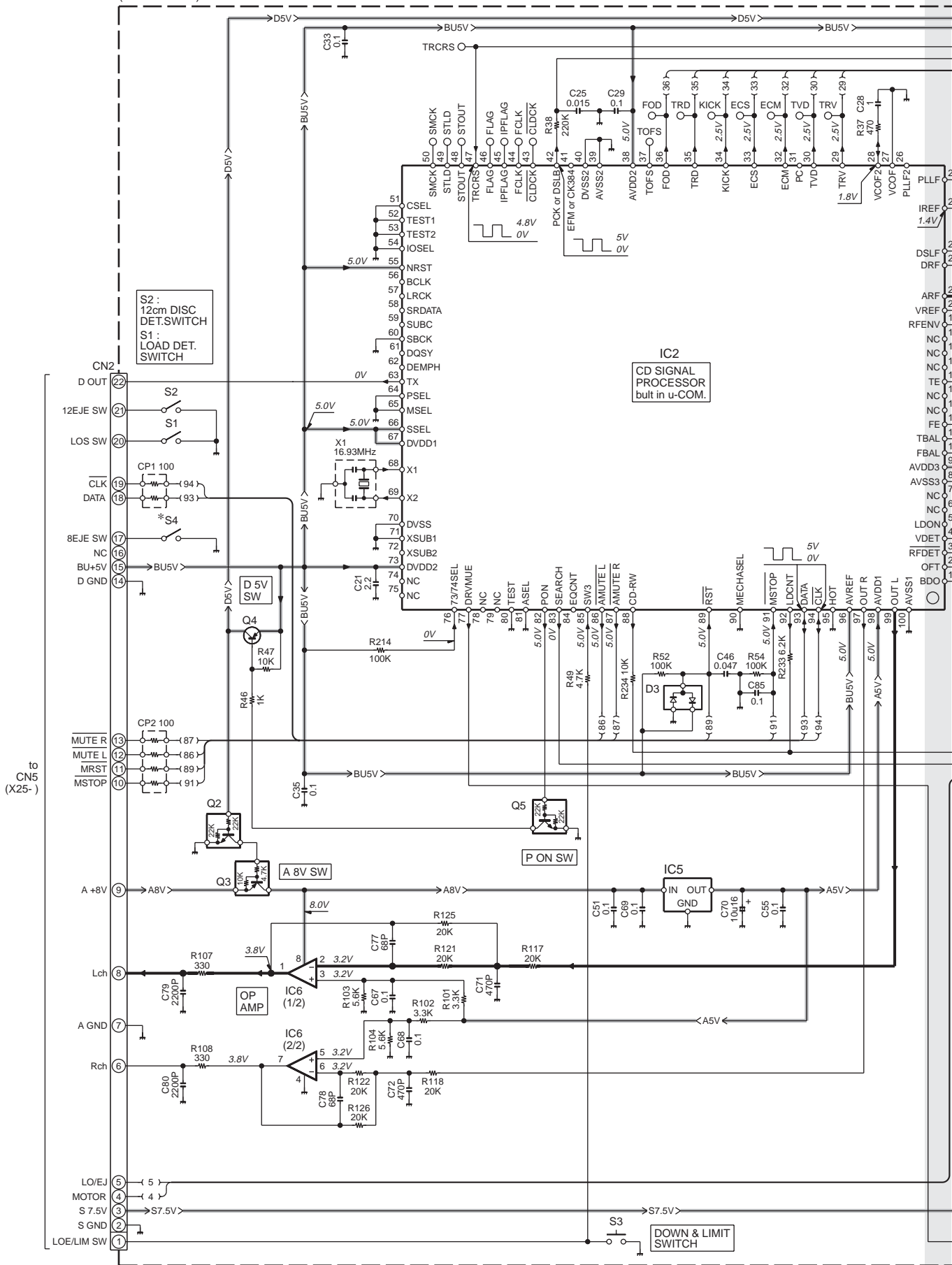
GX-201KHF2/LHF2/RHF2/SHF2



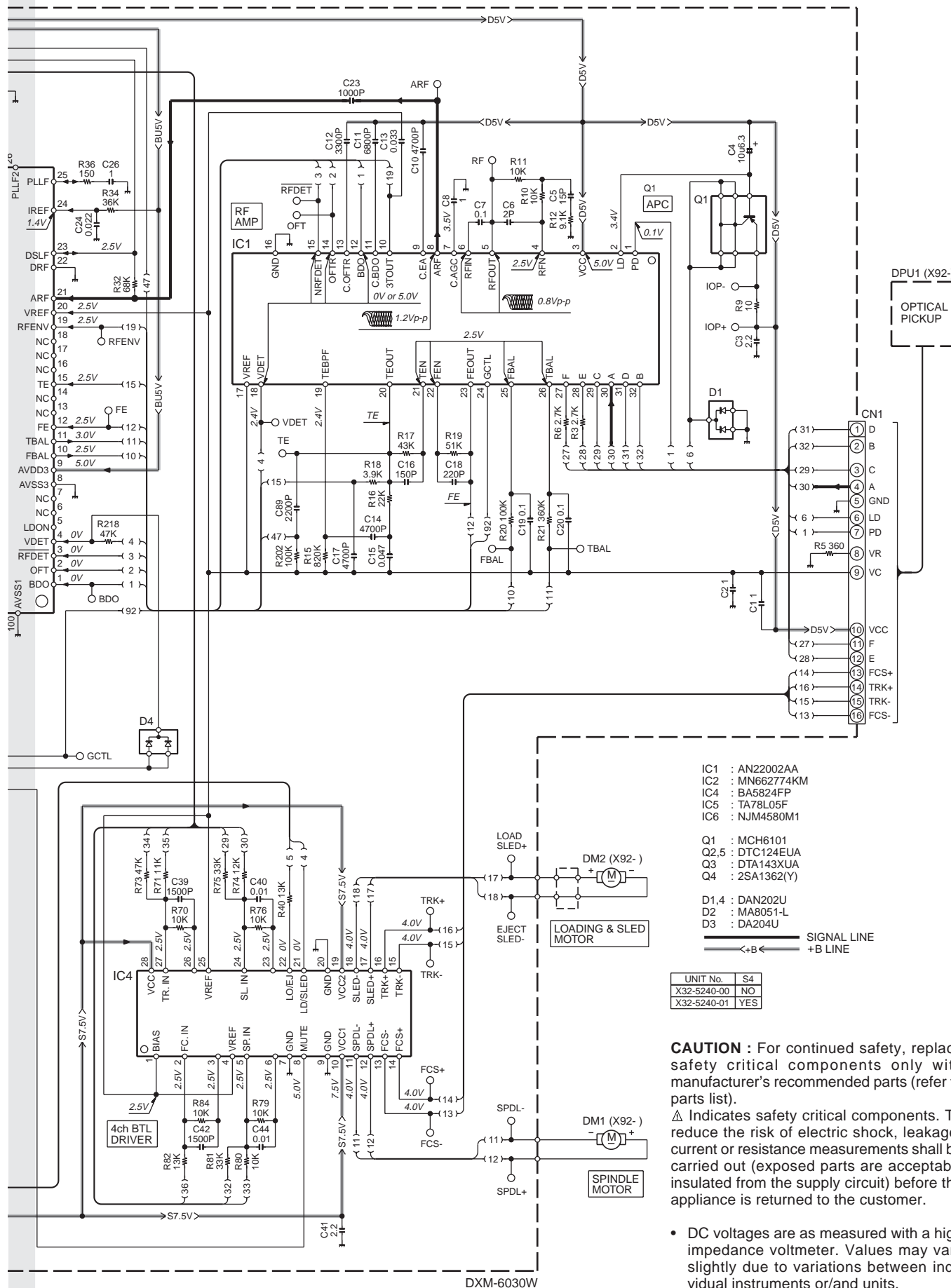
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

GX-201KHF2/LHF2/RHF2/SHF2

(X32-5240-01)



GX-201KHF2/LHF2/RHF2/SHF2



IC1 : AN22002AA
 IC2 : MN662774KM
 IC3 : BA5824FP
 IC4 : DAN202U
 IC5 : DTC124EUA

Q1 : MCH6101
 Q2.5 : DTA143XUA
 Q3 : DTA143XUA
 Q4 : 2SA1362(Y)

D1.4 : DAN202U
 D2 : MA8051-L
 D3 : DA204U

— SIGNAL LINE
 —<+B—> +B LINE

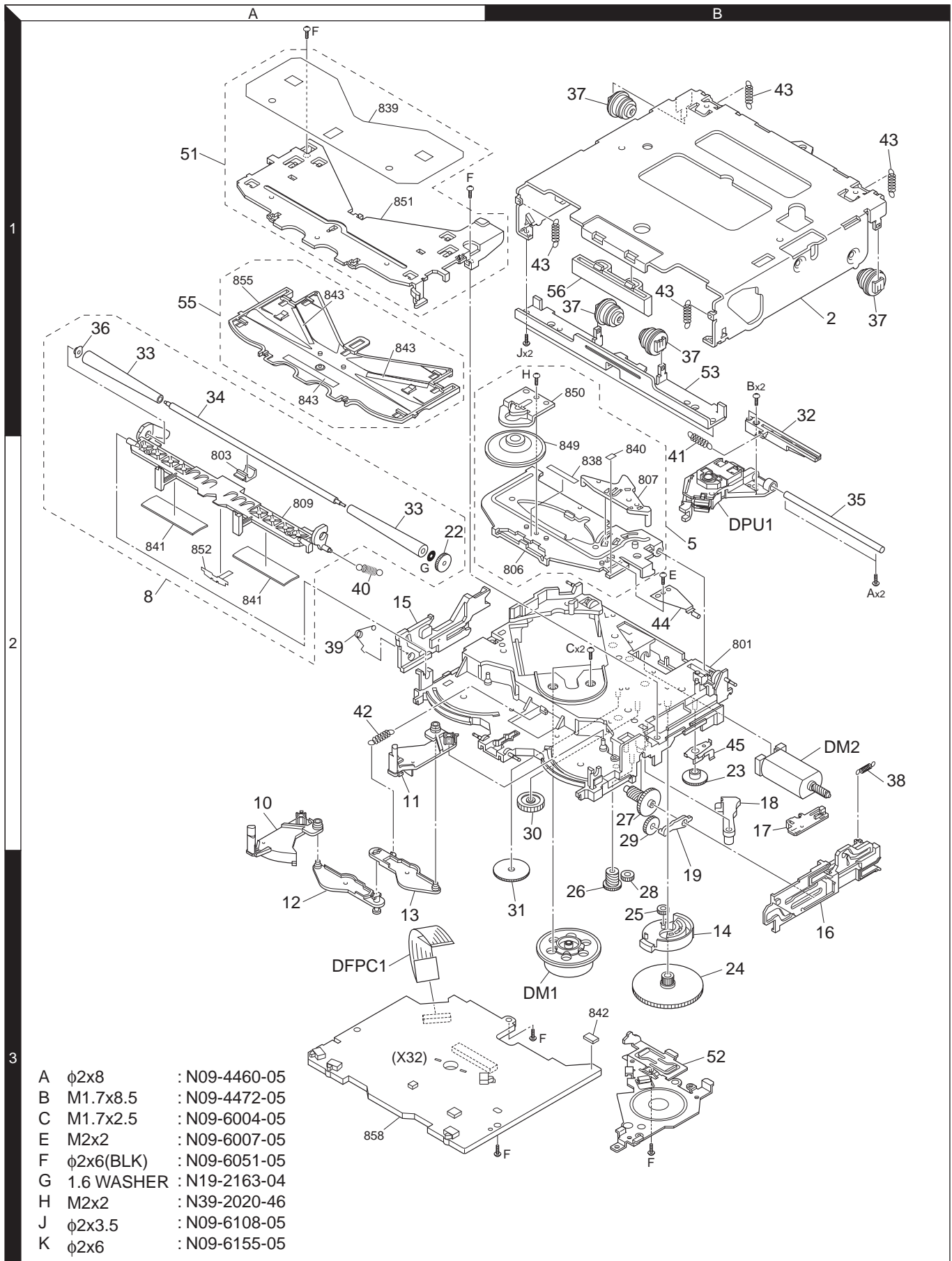
UNIT No.	S4
X32-5240-00	NO
X32-5240-01	YES

CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
 △ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

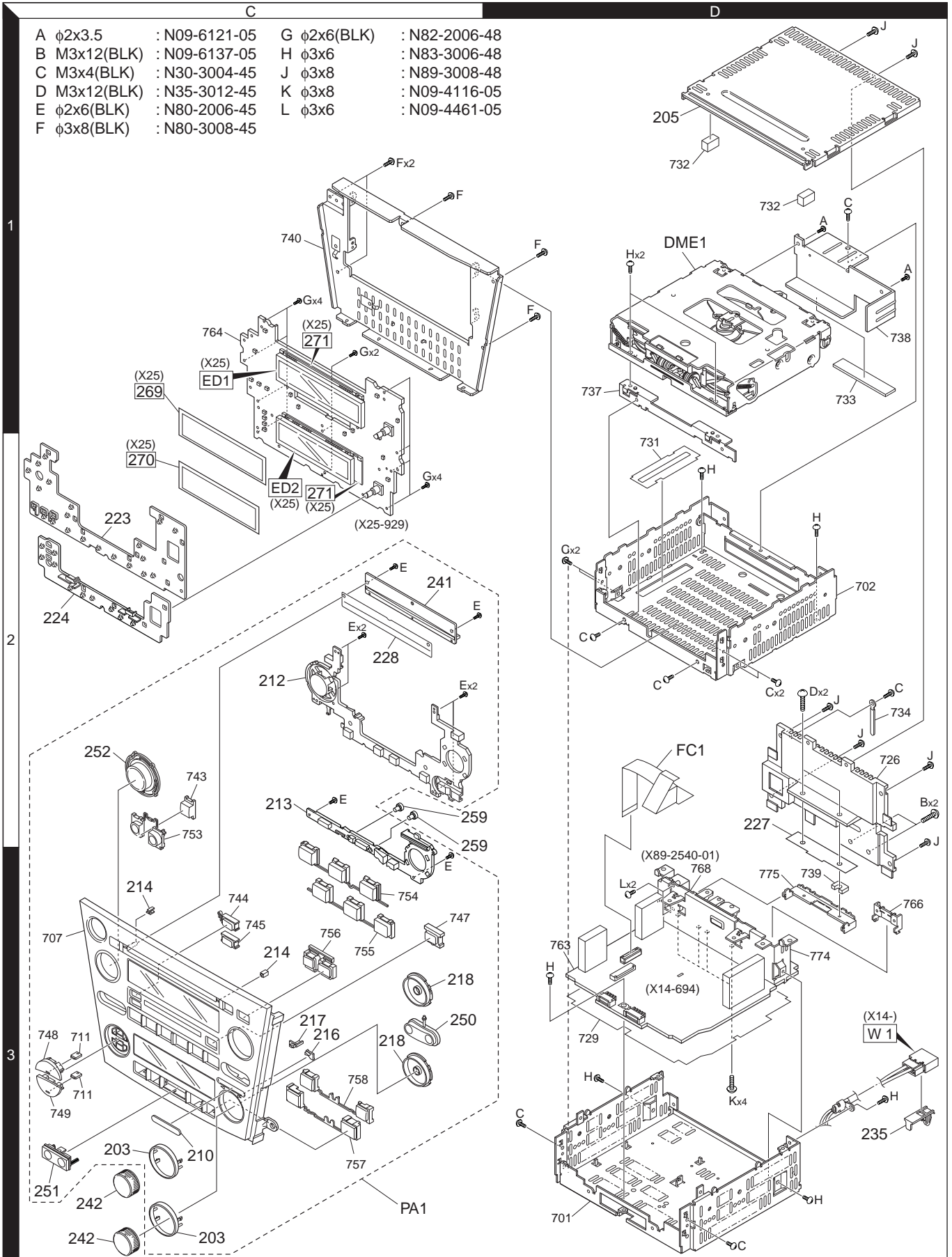
DXM-6030W

EXPLODED VIEW (CD MECHANISM)



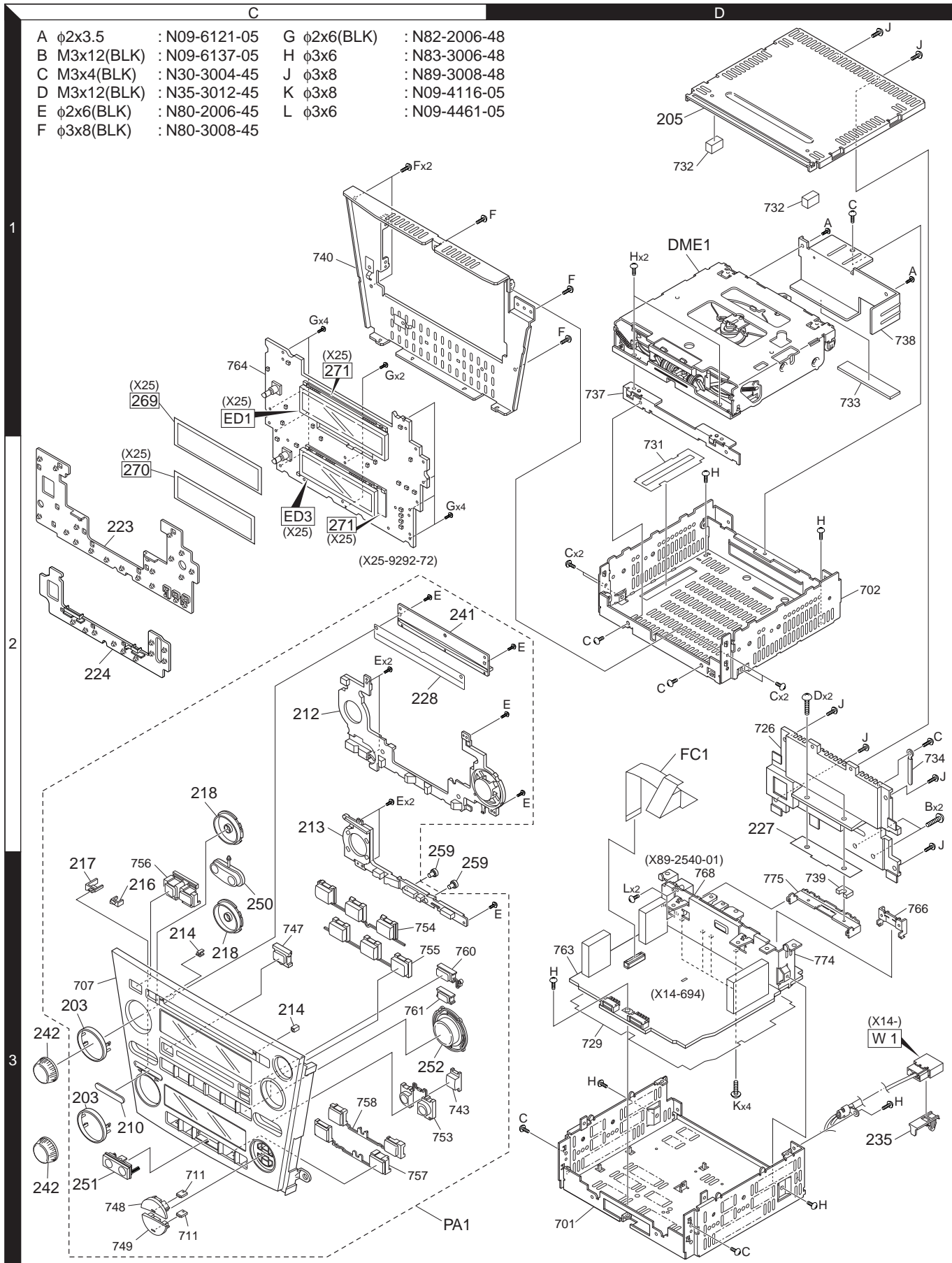
EXPLODED VIEW (GX-201KHF2/RHF2 UNIT)

- | | | | |
|---------------------------|---------------|---------------------------|---------------|
| A $\phi 2 \times 3.5$ | : N09-6121-05 | G $\phi 2 \times 6$ (BLK) | : N82-2006-48 |
| B M3x12(BLK) | : N09-6137-05 | H $\phi 3 \times 6$ | : N83-3006-48 |
| C M3x4(BLK) | : N30-3004-45 | J $\phi 3 \times 8$ | : N89-3008-48 |
| D M3x12(BLK) | : N35-3012-45 | K $\phi 3 \times 8$ | : N09-4116-05 |
| E $\phi 2 \times 6$ (BLK) | : N80-2006-45 | L $\phi 3 \times 6$ | : N09-4461-05 |
| F $\phi 3 \times 8$ (BLK) | : N80-3008-45 | | |



Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (GX-201LHF2/SHF2 UNIT)



PARTS LIST

* New parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
GX-201KHF2/LHF2/RHF2/SHF2											
203	3C	*	A21-4225-14	DRESSING PANEL	E4M2	C105			CK73GB1E333K	CHIP C 0.033UF K	M2
203	3C	*	A21-4226-04	DRESSING PANEL	E3M3	C105			CK73GB1H333K	CHIP C 0.033UF K	M2
205	1D	*	A52-0818-02	TOP PLATE		C106			CK73GB1H103K	CHIP C 0.010UF K	M2
PA1	3C	*	-	PANEL ASSY	E3	C107			CC73GCH1H471J	CHIP C 470PF J	M2
PA1	3C	*	-	PANEL ASSY	E4	C108			CK73GB1H103K	CHIP C 0.010UF K	M2
PA1	3C	*	-	PANEL ASSY	M3	C109			CK73GB1E473K	CHIP C 0.047UF K	M2
PA1	3C	*	-	PANEL ASSY	M2	C109			CK73GB1H473K	CHIP C 0.047UF K	M2
						C110,111			CC73GCH1H221J	CHIP C 220PF J	M2
						C112			CK73GB1H103K	CHIP C 0.010UF K	
						C113			C94-0056-05	ELECTRO 10UF 10WV	
210	3C	*	B12-1216-14	INDICATOR		C114			CK73GB1H103K	CHIP C 0.010UF K	
212	2C	*	B19-2166-42	LIGHTING BOARD	E4M2	C115			C94-0056-05	ELECTRO 10UF 10WV	
212	2C	*	B19-2167-02	LIGHTING BOARD	E3M3	C116			CK73GB1H103K	CHIP C 0.010UF K	
213	3C	*	B19-2169-43	LIGHTING BOARD	E4M2	C117			C94-0056-05	ELECTRO 10UF 10WV	
213	3C	*	B19-2170-03	LIGHTING BOARD	E3M3	C118			CK73GB1H103K	CHIP C 0.010UF K	
214	3C	*	B19-2171-04	LIGHTING BOARD		C119	*		CD04AT0J100M	ELECTRO 10UF 6.3WV	
216	3C	*	B19-2175-14	LIGHTING BOARD	E4M2	C120			CC73GCH1H151J	CHIP C 150PF J	
216	3C	*	B19-2177-14	LIGHTING BOARD	E3M3	C121			CK73GB1H103K	CHIP C 0.010UF K	
217	3C	*	B19-2176-14	LIGHTING BOARD	E4M2	C122			CC73GCH1H470J	CHIP C 47PF J	
217	3C	*	B19-2178-04	LIGHTING BOARD	E3M3	C123			C94-0056-05	ELECTRO 10UF 10WV	
218	3C	*	B19-2179-24	LIGHTING BOARD	E4M2	C124			CK73GB1H102K	CHIP C 1000PF K	
218	3C	*	B19-2180-14	LIGHTING BOARD	E3M3	C125	*		C94-0059-05	ELECTRO 3.3UF 25WV	
223	2C	*	E29-1898-02	CONDUCTIVE RUBBER	E4M2	C126			CK73GB1E333K	CHIP C 0.033UF K	
223	2C	*	E29-1899-02	CONDUCTIVE RUBBER	E3M3	C126			CK73GB1H333K	CHIP C 0.033UF K	
224	2C	*	E29-1900-22	CONDUCTIVE RUBBER	E4M2	C127			CK73GB1C104K	CHIP C 0.10UF K	
224	2C	*	E29-1901-02	CONDUCTIVE RUBBER	E3M3	C127			CK73GB1H104K	CHIP C 0.10UF K	
FC1	2D	*	E39-0470-05	FLAT CABLE (22P)		C128			CK73GB1C683K	CHIP C 0.068UF K	
227	2D	*	F09-1750-04	SHEET		C128			CK73GB1H683K	CHIP C 0.068UF K	
228	2C	*	F19-1390-04	BLIND PLATE		C129-131			CK73GB1E333K	CHIP C 0.033UF K	
						C129-131			CK73GB1H333K	CHIP C 0.033UF K	
235	3D	*	J19-5188-05	HOLDER		C132			CK73GB1H222K	CHIP C 2200PF K	
241	2C	*	J90-1046-13	GUIDE		C133			CK73GB1H103K	CHIP C 0.010UF K	
242	3C	*	K23-1075-04	KNOB (VOL)	E3E4	C134			CK73GB1A224K	CHIP C 0.22UF K	
242	3C	*	K23-1079-04	KNOB (VOL)	M2M3	C135			CK73GB1H682K	CHIP C 6800PF K	
250	3C	*	K25-1475-04	KNOB (TUNE/TRACK) (R)	E4M2	C136			CK73GB1E473K	CHIP C 0.047UF K	
250	3C	*	K25-1476-04	KNOB (TUNE/TRACK) (L)	E3M3	C136			CK73GB1H473K	CHIP C 0.047UF K	
251	3C	*	K25-1477-24	KNOB (FAN)		C137			CK73GB1E223K	CHIP C 0.022UF K	
252	2C	*	K25-1479-33	KNOB (CD/CHR/FM/AM)	E4M2	C137			CK73GB1H223K	CHIP C 0.022UF K	
252	2C	*	K25-1483-13	KNOB (CD/CHR/FM/AM)	E3M3	C138			C94-0057-05	ELECTRO 4.7UF 16WV	
259	3C	*	K29-7040-04	KNOB BASE		C139			CK73GB1H103K	CHIP C 0.010UF K	
A	1D	*	N09-6121-05	TAPTITE SCREW		C140	*		CD04AT1A470M	ELECTRO 47UF 10WV	E3E4
B	2D	*	N09-6137-05	MACHINE SCREW		C141			CK73GB1A224K	CHIP C 0.22UF K	
C	1D		N30-3004-45	PAN HEAD MACHINE SCREW		C142			CK73GB1H103K	CHIP C 0.010UF K	
D	2D		N35-3012-45	BINDING HEAD MACHINE SCREW		C150			CC73GCH1H151J	CHIP C 150PF J	E3E4
E	2C		N80-2006-45	PAN HEAD TAPTITE SCREW		C151			CK73GB1H122K	CHIP C 1200PF K	E3E4
F	1C		N80-3008-45	PAN HEAD TAPTITE SCREW		C152			CC73GCH1H471J	CHIP C 470PF J	E3E4
G	1C		N82-2006-48	BINDING HEAD TAPTITE SCREW		C153			CK73GB1H122K	CHIP C 1200PF K	E3E4
H	2D		N83-3006-48	PAN HEAD TAPTITE SCREW		C154			CK73GB1H103K	CHIP C 0.010UF K	E3E4
J	2D	*	N89-3008-48	BINDING HEAD TAPTITE SCREW		C155			CC73GCH1H121J	CHIP C 120PF J	E3E4
						C156			CC73GCH1H120J	CHIP C 12PF J	E3E4
DME1	1D	*	X92-4790-00	MECHANISM ASSY		C157	*		CD04AT0J100M	ELECTRO 10UF 6.3WV	E3E4
SYNTHESIZER UNIT (X14-694x-xx)											
C101,102			CK73GB1H103K	CHIP C 0.010UF K	M2	C158			CC73GCH1H271J	CHIP C 270PF J	E3E4
C103			C94-0056-05	ELECTRO 10UF 10WV	M2	C159	*		CD04AT0J100M	ELECTRO 10UF 6.3WV	E3E4
C104			CK73GB1H392K	CHIP C 3900PF K	M2	C160			CC73GCH1H471J	CHIP C 470PF J	E3E4
						C161			CK73GB1H822K	CHIP C 8200PF K	E3E4

E3 : GX-201LHF2 **E4** : GX-201RHF2
M2 : GX-201KHF2 **M3** : GX-201SHF2

△ Indicates safety critical components.

PARTS LIST

* New parts

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SYNTHESIZER UNIT (X14-694x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C162			CC73GCH1H820J	CHIP C 82PF J	E3E4
C163			CK73GB1H222K	CHIP C 2200PF K	E3E4
C164			CK73GB1H102K	CHIP C 1000PF K	E3E4
C165			CC73GCH1H060D	CHIP C 6.0PF D	E3E4
C166			C94-0056-05	ELECTRO 10UF 10WV	E3E4
C167			CK73GB1E223K	CHIP C 0.022UF K	E3E4
C167			CK73GB1H223K	CHIP C 0.022UF K	E3E4
C168,169			CC73GCH1H120J	CHIP C 12PF J	E3E4
C201,202		*	C92-1813-05	ELECTRO 0.1UF 50WV	
C210		*	CD04AT1H4R7M	ELECTRO 4.7UF 50WV	
C211,212		*	CD04AX1HR47M	ELECTRO 0.47UF 50WV	
C213		*	CD04AT0J470M	ELECTRO 47UF 6.3WV	
C214			CK73GB1A474K	CHIP C 0.47UF K	
C215,216			CK73GB1C104K	CHIP C 0.10UF K	
C215,216			CK73GB1H104K	CHIP C 0.10UF K	
C217,218		*	CD04AX1HR47M	ELECTRO 0.47UF 50WV	
C219,220		*	CD04AX1HOR1M	ELECTRO 0.1UF 50WV	
C221			CK73GB1C104K	CHIP C 0.10UF K	
C221			CK73GB1H104K	CHIP C 0.10UF K	
C222		*	CD04AT1A470M	ELECTRO 47UF 10WV	
C223,224			C94-0062-05	ELECTRO 0.22UF 50WV	
C225,226			C94-0058-05	ELECTRO 10UF 16WV	
C227			C94-0056-05	ELECTRO 10UF 10WV	
C229			CK73GB1C104K	CHIP C 0.10UF K	
C229			CK73GB1H104K	CHIP C 0.10UF K	
C230,231			CC73GCH1H560J	CHIP C 56PF J	
C232,233			CC73GCH1H101J	CHIP C 100PF J	
C234-237			CK73GB1H103K	CHIP C 0.010UF K	
C238,239			CC73GCH1H101J	CHIP C 100PF J	
C240			CK73GB1H102K	CHIP C 1000PF K	
C301,302			CK73GB1H472K	CHIP C 4700PF K	
C303,304			CK73GB1H332K	CHIP C 3300PF K	
C305,306			CK73GB1A224K	CHIP C 0.22UF K	
C307,308			CK73GB1E473K	CHIP C 0.047UF K	
C307,308			CK73GB1H473K	CHIP C 0.047UF K	
C309,310			CK73GB0J105K	CHIP C 1.0UF K	
C311,312			CK73GB1E223K	CHIP C 0.022UF K	
C311,312			CK73GB1H223K	CHIP C 0.022UF K	
C315,316			CK73GB1A154K	CHIP C 0.15UF K	
C317,318			CK73GB1C104K	CHIP C 0.10UF K	
C317,318			CK73GB1H104K	CHIP C 0.10UF K	
C319,320			C94-0062-05	ELECTRO 0.22UF 50WV	
C321,322			CK73GB1H682K	CHIP C 6800PF K	
C323,324			CK73GB1H222K	CHIP C 2200PF K	
C325,326			CK73GB1C683K	CHIP C 0.068UF K	
C325,326			CK73GB1H683K	CHIP C 0.068UF K	
C327,328			CK73GB1A224K	CHIP C 0.22UF K	
C329,330			CK73GB0J105K	CHIP C 1.0UF K	
C331,332			CK73GB1E223K	CHIP C 0.022UF K	
C331,332			CK73GB1H223K	CHIP C 0.022UF K	
C337,338			CK73GB1C683K	CHIP C 0.068UF K	
C337,338			CK73GB1H683K	CHIP C 0.068UF K	
C339,340			CK73GB1A224K	CHIP C 0.22UF K	
C341,342			CK73GB1C104K	CHIP C 0.10UF K	
C341,342			CK73GB1H104K	CHIP C 0.10UF K	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C343		*	C90-5545-05	ELECTRO 10UF 16WV	
C344			CK73GB1C104K	CHIP C 0.10UF K	
C344			CK73GB1H104K	CHIP C 0.10UF K	
C345			CK73GB1H103K	CHIP C 0.010UF K	
C401-404		*	C90-5620-05	ELECTRO 0.47UF 50WV	
C405		*	CD04AY1A101M	ELECTRO 100UF 10WV	
C406,407			CK73FB1C105K	CHIP C 1.0UF K	
C408		*	CF92JV1H105J	MF C 1UF 50WV	
C409-416			CK73GB1E223K	CHIP C 0.022UF K	
C409-416			CK73GB1H223K	CHIP C 0.022UF K	
C417-424			CK73GB1H472K	CHIP C 4700PF K	
C431-434		*	C90-5620-05	ELECTRO 0.47UF 50WV	
C501-506			CK73GB1H222K	CHIP C 2200PF K	
C601			CK73FB1H104K	CHIP C 0.10UF K	
C602			C90-2962-05	ELECTRO 100UF 16WV	
C603			CK73GB1C104K	CHIP C 0.10UF K	
C603			CK73GB1H104K	CHIP C 0.10UF K	
C604			C90-2980-05	ELECTRO 220UF 16WV	
C605			C90-2979-05	ELECTRO 100UF 50WV	
C606,607			CK73GB1H103K	CHIP C 0.010UF K	
C608		*	CD04BH0G680M	ELECTRO 68UF 4WV	
C609			CK73FB1H104K	CHIP C 0.10UF K	
C610			C90-2962-05	ELECTRO 100UF 16WV	
C611			CK73GB1C104K	CHIP C 0.10UF K	
C611			CK73GB1H104K	CHIP C 0.10UF K	
C612			C90-2980-05	ELECTRO 220UF 16WV	
C613			C90-5244-05	ELECTRO 56UF 25WV	
C614,615			CK73GB1H103K	CHIP C 0.010UF K	
C616		*	CD04BH0G680M	ELECTRO 68UF 4WV	
C617,618			CK73FB1H104K	CHIP C 0.10UF K	
C619			C90-5244-05	ELECTRO 56UF 25WV	
C622			CK73FB1C105K	CHIP C 1.0UF K	
C623			CK73GB0J105K	CHIP C 1.0UF K	
C650-653			CK73EB1C225K	CHIP C 2.2UF K	
C701		*	C90-5628-05	ELECTRO 4700UF 16WV	
C702,703			CK73GB1E223K	CHIP C 0.022UF K	
C702,703			CK73GB1H223K	CHIP C 0.022UF K	
C801			CK73GB1C104K	CHIP C 0.10UF K	
C801			CK73GB1H104K	CHIP C 0.10UF K	
C802			C94-0057-05	ELECTRO 4.7UF 16WV	
C803			CK73GB1H102K	CHIP C 1000PF K	
C805			C94-0065-05	ELECTRO 1UF 50WV	
C806,807			CC73GCH1H100D	CHIP C 10PF D	
C808		*	CD04AT0J331M	ELECTRO 330UF 6.3WV	
C809			CK73GB1H103K	CHIP C 0.010UF K	
C810		*	C94-0201-05	ELECTRO 0.047F 5.5WV	
C811			C94-0057-05	ELECTRO 4.7UF 16WV	
C813,814			CK73GB1H122K	CHIP C 1200PF K	
C815,816			CK73GB1H152K	CHIP C 1500PF K	
C817			CK73GB1C104K	CHIP C 0.10UF K	
C817			CK73GB1H104K	CHIP C 0.10UF K	
C822			CK73GB1H102K	CHIP C 1000PF K	
C823			CK73GB1H122K	CHIP C 1200PF K	
C824		*	C94-0059-05	ELECTRO 3.3UF 25WV	
C827			CK73GB1E223K	CHIP C 0.022UF K	

E3 : GX-201LHF2 E4 : GX-201RHF2
M2 : GX-201KHF2 M3 : GX-201SHF2

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SYNTHESIZER UNIT (X14-694x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
C827			CK73GB1H223K	CHIP C 0.022UF K		R107			RK73GB2A124J	CHIP R 120K J 1/10W	M2
C828			CK73GB1C104K	CHIP C 0.10UF K		R108			RK73GB2A223J	CHIP R 22K J 1/10W	
C828			CK73GB1H104K	CHIP C 0.10UF K		R109			RK73GB2A222J	CHIP R 2.2K J 1/10W	
C829-831			CK73GB1H103K	CHIP C 0.010UF K		R110			RK73GB2A223J	CHIP R 22K J 1/10W	
C832-834			CK73GB1C104K	CHIP C 0.10UF K		R111			RK73GB2A222J	CHIP R 2.2K J 1/10W	
C832-834			CK73GB1H104K	CHIP C 0.10UF K		R112			RK73GB2A472J	CHIP R 4.7K J 1/10W	
C835			CK73GB1E223K	CHIP C 0.022UF K		R113			RK73GB2A103J	CHIP R 10K J 1/10W	
C835			CK73GB1H223K	CHIP C 0.022UF K		R114			RK73GB2A272J	CHIP R 2.7K J 1/10W	
C836			CK73GB1C104K	CHIP C 0.10UF K		R115			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	
C836			CK73GB1H104K	CHIP C 0.10UF K		R116			RK73GB2A123J	CHIP R 12K J 1/10W	
C839,840			CK73GB1H152K	CHIP C 1500PF K		R117			RK73GB2A104J	CHIP R 100K J 1/10W	
C852			CC73GCH1H150J	CHIP C 15PF J	E3E4M3	R118			RK73GB2A184J	CHIP R 180K J 1/10W	
C852			CK73GB1H102K	CHIP C 1000PF K	M2	R119			RK73GB2A223J	CHIP R 22K J 1/10W	
C899,900			CK73GB1C104K	CHIP C 0.10UF K		R120			RK73GB2A473J	CHIP R 47K J 1/10W	
C899,900			CK73GB1H104K	CHIP C 0.10UF K		R121			RK73GB2A272J	CHIP R 2.7K J 1/10W	
C901,902			CK73GB1H222K	CHIP C 2200PF K		R122			RK73GB2A332J	CHIP R 3.3K J 1/10W	
CN10		*	E41-0280-05	SOCKET FOR PIN ASSY		R123			RK73GB2A102J	CHIP R 1.0K J 1/10W	E3E4
CN11		*	E41-0279-05	SOCKET FOR PIN ASSY		R124			RK73GB2A472J	CHIP R 4.7K J 1/10W	E3E4
CN81			E40-9597-05	FLAT CABLE CONNECTOR		R125			RK73GB2A104J	CHIP R 100K J 1/10W	M2
J1		*	E58-0930-05	RECTANGULAR RECEPTACLE		R151			RK73GB2A222J	CHIP R 2.2K J 1/10W	E3E4
△ J2			E58-0833-05	RECTANGULAR RECEPTACLE		R152			RK73GB2A562J	CHIP R 5.6K J 1/10W	E3E4
W1		*	E30-6235-05	CORD WITH PLUG	M2	R153,154			RK73GB2A103J	CHIP R 10K J 1/10W	E3E4
W1		*	E30-6236-05	CORD WITH PLUG	E3E4M3	R155			RK73GB2A272J	CHIP R 2.7K J 1/10W	E3E4
△ F401			F53-0167-05	FUSE		R156			RK73GB2A563J	CHIP R 56K J 1/10W	E3E4
△ F501			F53-0166-05	FUSE		R157			RK73GB2A103J	CHIP R 10K J 1/10W	E3E4
F601			F53-0215-05	FUSE		R158			RK73GB2A562J	CHIP R 5.6K J 1/10W	E3E4
F602			F53-0198-05	FUSE		R159,160			RK73GB2A103J	CHIP R 10K J 1/10W	E3E4
△ F701		*	F53-0276-05	FUSE		R161			RK73GB2A153J	CHIP R 15K J 1/10W	E3E4
L101			L33-1031-05	SMALL FIXED INDUCTOR	M2	R162			RK73GB2A104J	CHIP R 100K J 1/10W	E3E4
L102		*	L39-1055-05	TRAP COIL		R163,164			RK73GB2A103J	CHIP R 10K J 1/10W	E3E4
L103			L33-1123-05	LINE FILTER COIL		R165			RK73GB2A823J	CHIP R 82K J 1/10W	E3E4
L104-106			L40-4792-78	SMALL FIXED INDUCTOR (4.7UH)	M2	R166			RK73GB2A220J	CHIP R 22 J 1/10W	E3E4
L105,106			L40-4792-78	SMALL FIXED INDUCTOR (4.7UH)	E3E4M3	R208			RK73GB2A472J	CHIP R 4.7K J 1/10W	
L108			L40-4792-78	SMALL FIXED INDUCTOR (4.7UH)		R215,214			RK73GB2A473J	CHIP R 47K J 1/10W	
L109			L39-0131-05	TRAP COIL		R215,216			RK73GB2A683J	CHIP R 68K J 1/10W	
L110			L40-4792-78	SMALL FIXED INDUCTOR (4.7UH)		R217,218			RK73GB2A472J	CHIP R 4.7K J 1/10W	
L151			L40-4792-78	SMALL FIXED INDUCTOR (4.7UH)	E3E4	R219,220			RK73GB2A683J	CHIP R 68K J 1/10W	
L201			L40-4792-78	SMALL FIXED INDUCTOR (4.7UH)		R221,222			RK73GB2A472J	CHIP R 4.7K J 1/10W	
L601		*	L33-1852-05	SMALL FIXED INDUCTOR		R223,224			RK73GB2A102J	CHIP R 1.0K J 1/10W	
L602			L33-1029-05	SMALL FIXED INDUCTOR		R225,226			RK73GB2A202J	CHIP R 2.0K J 1/10W	
L603		*	L33-1852-05	SMALL FIXED INDUCTOR		R227,228			RK73GB2A822J	CHIP R 8.2K J 1/10W	
L604			L33-1029-05	SMALL FIXED INDUCTOR		R301,302			RK73GB2A303J	CHIP R 30K J 1/10W	
L605			L40-4785-85	SMALL FIXED INDUCTOR (0.47UH)		R303,304			RK73GB2A472J	CHIP R 4.7K J 1/10W	
L606			L40-1085-85	SMALL FIXED INDUCTOR		R307,308			RK73GB2A681J	CHIP R 680 J 1/10W	
L701			L33-1082-05	CHOKE COIL		R309,310			RK73GB2A134J	CHIP R 130K J 1/10W	
X81		*	L77-2830-05	CRYSTAL RESONATOR (12.582MHZ)		R311,312			RK73GB2A101J	CHIP R 100 J 1/10W	
X151			L77-2002-05	CRYSTAL RESONATOR	E3E4	R313,314			RK73GB2A431J	CHIP R 430 J 1/10W	
K	3D		N09-4116-05	TAPTITE SCREW (3X8 BT)		R315,316			RK73GB2A474J	CHIP R 470K J 1/10W	
R101			RK73GB2A221J	CHIP R 220 J 1/10W	M2	R317,318			RK73GB2A112J	CHIP R 1.1K J 1/10W	
R102			RK73GB2A222J	CHIP R 2.2K J 1/10W	M2	R319,320			RK73GB2A431J	CHIP R 430 J 1/10W	
R103			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	M2	R321,322			RK73GB2A123J	CHIP R 12K J 1/10W	
R104,105			RK73GB2A222J	CHIP R 2.2K J 1/10W	M2	R323,324			RK73GB2A133J	CHIP R 13K J 1/10W	
R106			RK73GB2A104J	CHIP R 100K J 1/10W	M2	R325,326			RK73GB2A512J	CHIP R 5.1K J 1/10W	
						R329,330			RK73GB2A431J	CHIP R 430 J 1/10W	
						R331,332			RK73GB2A184J	CHIP R 180K J 1/10W	

E3 : GX-201LHF2 E4 : GX-201RHF2
M2 : GX-201KHF2 M3 : GX-201SHF2

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SYNTHESIZER UNIT (X14-694x-xx)

Ref. No.	A d	N e w	Parts No.	Description	Desti- nation
R335,336			RK73GB2A431J	CHIP R 430 J 1/10W	
R337,338			RK73GB2A564J	CHIP R 560K J 1/10W	
R345,346			RK73GB2A752J	CHIP R 7.5K J 1/10W	
R347,348			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R349,350			RK73GB2A182J	CHIP R 1.8K J 1/10W	
R351,352			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R353			RK73GB2A471J	CHIP R 470 J 1/10W	
R354			RK73GB2A512J	CHIP R 5.1K J 1/10W	
R355			RK73GB2A103J	CHIP R 10K J 1/10W	
R401,402			RK73GB2A473J	CHIP R 47K J 1/10W	
R403-406			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R407			RK73GB2A333J	CHIP R 33K J 1/10W	
R408			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R409			RK73GB2A751J	CHIP R 750 J 1/10W	
R410			RK73GB2A431J	CHIP R 430 J 1/10W	
R411			RK73EB2E221J	CHIP R 220 J 1/4W	
R412,413			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R501-504			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R505-507			RK73EB2E101J	CHIP R 100 J 1/4W	
R509,510			RK73EB2E200J	CHIP R 20 J 1/4W	
R601			RK73GB2A221J	CHIP R 220 J 1/10W	
R602			RK73GB2A224J	CHIP R 220K J 1/10W	
R603			RK73EB2E103J	CHIP R 10K J 1/4W	
R604			RK73GB2A221J	CHIP R 220 J 1/10W	
R605			RK73GB2A224J	CHIP R 220K J 1/10W	
R607			RK73EB2E103J	CHIP R 10K J 1/4W	
R653			RK73EB2E4R7J	CHIP R 4.7 J 1/4W	
R655-657			RK73EB2E4R7J	CHIP R 4.7 J 1/4W	
R660,661			RK73EB2E4R7J	CHIP R 4.7 J 1/4W	
R801,802			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R803			RK73GB2A103J	CHIP R 10K J 1/10W	
R806			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R807			RK73GB2A103J	CHIP R 10K J 1/10W	
R813,814			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R815			RK73GB2A473J	CHIP R 47K J 1/10W	
R816,817			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R819			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R820			RK73GB2A473J	CHIP R 47K J 1/10W	
R821			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R823,824			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R825			RK73GB2A103J	CHIP R 10K J 1/10W	
R826			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R827			RK73GB2A103J	CHIP R 10K J 1/10W	
R829			RK73GB2A102J	CHIP R 1.0K J 1/10W	M2M3
R829-831			RK73GB2A102J	CHIP R 1.0K J 1/10W	E3E4
R831			RK73GB2A102J	CHIP R 1.0K J 1/10W	M2M3
R832			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R833			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R834			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R835			RK73GB2A104J	CHIP R 100K J 1/10W	
R836			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R837,838			RK73GB2A223J	CHIP R 22K J 1/10W	
R839,840			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R841			RK73GB2A473J	CHIP R 47K J 1/10W	
R842			RK73GB2A102J	CHIP R 1.0K J 1/10W	

Ref. No.	A d	N e w	Parts No.	Description	Desti- nation
R843			RK73GB2A223J	CHIP R 22K J 1/10W	
R844-846			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R847			RK73GB2A224J	CHIP R 220K J 1/10W	
R848			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R849			RK73GB2A223J	CHIP R 22K J 1/10W	
R850			RK73GB2A113J	CHIP R 11K J 1/10W	
R851			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R852			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R853			RK73GB2A224J	CHIP R 220K J 1/10W	
R854			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R855			RK73GB2A223J	CHIP R 22K J 1/10W	
R856			RK73GB2A113J	CHIP R 11K J 1/10W	
R857			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R858			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R859			RK73GB2A473J	CHIP R 47K J 1/10W	
R860			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R861			RK73GB2A104J	CHIP R 100K J 1/10W	
R862			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R863			RK73GB2A104J	CHIP R 100K J 1/10W	
R864			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R865			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R866			RK73GB2A473J	CHIP R 47K J 1/10W	
R867-869			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R871			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R872			RK73GB2A101J	CHIP R 100 J 1/10W	
R873-875			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R877			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R880			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R883			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R886			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R889			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R890			RK73GB2A104J	CHIP R 100K J 1/10W	
R891			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R892			RK73GB2A104J	CHIP R 100K J 1/10W	
R893			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R894			RK73GB2A104J	CHIP R 100K J 1/10W	E3
R895			RK73GB2A103J	CHIP R 10K J 1/10W	E4
R895,896			RK73GB2A103J	CHIP R 10K J 1/10W	M2
R896,897			RK73GB2A103J	CHIP R 10K J 1/10W	E3M3
R897			RK73GB2A103J	CHIP R 10K J 1/10W	
R898			RK73GB2A104J	CHIP R 100K J 1/10W	
R899			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R900			RK73GB2A103J	CHIP R 10K J 1/10W	
R901			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R902			RK73GB2A104J	CHIP R 100K J 1/10W	
R903			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R904			RK73GB2A104J	CHIP R 100K J 1/10W	
R905-907			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R910			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R911			RK73GB2A104J	CHIP R 100K J 1/10W	
R912			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R913			RK73GB2A104J	CHIP R 100K J 1/10W	
R914			RK73GB2A470J	CHIP R 47 J 1/10W	
R915			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R917			RK73GB2A103J	CHIP R 10K J 1/10W	

E3 : GX-201LHF2 **E4** : GX-201RHF2
M2 : GX-201KHF2 **M3** : GX-201SHF2

△ Indicates safety critical components.

PARTS LIST

* New parts

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SYNTHESIZER UNIT (X14-694x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
R918			RK73GB2A223J	CHIP R 22K J 1/10W		BZ81			T95-0214-05	PIEZOELECTRIC VIBRATOR	
R919			RK73GB2A133J	CHIP R 13K J 1/10W		D101,102			IMSA-6801	SURGE ABSORBER	M2
R920,921			RK73EB2E101J	CHIP R 100 J 1/4W		D102			IMSA-6801	SURGE ABSORBER	E3E4M3
R922			RK73EB2E620J	CHIP R 62 J 1/4W		D103			1SV237	DIODE	M2
R923,924			RD14DB2H122J	SMALL-RD 1.2K J 1/2W		D151			DAN202U	DIODE	E3E4
R925			RK73GB2A223J	CHIP R 22K J 1/10W		D151			MA142WK	DIODE	E3E4
R926			RD14DB2H102J	SMALL-RD 1.0K J 1/2W		D201			RD6.8MW	ZENER DIODE	
R927			RK73GB2A392J	CHIP R 3.9K J 1/10W		D301			HZS6C3L	ZENER DIODE	
R929			RK73EB2E472J	CHIP R 4.7K J 1/4W		D501			HZM6.8FA	ZENER DIODE	
R930			RD14DB2H332J	SMALL-RD 3.3K J 1/2W		D502			STZ6.8N	ZENER DIODE	
R931,932			RK73GB2A104J	CHIP R 100K J 1/10W	M2M3	D503,504			RD6.8MW	ZENER DIODE	
R932			RK73GB2A104J	CHIP R 100K J 1/10W	E3E4	D601			MA8160-M	ZENER DIODE	
R933			RK73GB2A101J	CHIP R 100 J 1/10W		D602,603			1SR154-400	DIODE	
R934			RK73GB2A392J	CHIP R 3.9K J 1/10W		D604			MA8160-M	ZENER DIODE	
R935			RK73GB2A471J	CHIP R 470 J 1/10W	E3E4	D605,606			1SR154-400	DIODE	
R936			RK73GB2A222J	CHIP R 2.2K J 1/10W		D702			5Z27(LC3)	ZENER DIODE	
R938			RK73EB2E472J	CHIP R 4.7K J 1/4W		D801,802			HZS6A1L	ZENER DIODE	
R941			RK73GB2A104J	CHIP R 100K J 1/10W		D803			STZ6.8N	ZENER DIODE	
R947			RK73GB2A472J	CHIP R 4.7K J 1/10W		D804			HZS7A3L	ZENER DIODE	
R948			RK73GB2A104J	CHIP R 100K J 1/10W		D805			1SS133	DIODE	
R951			RK73GB2A102J	CHIP R 1.0K J 1/10W		D806,807			1SR154-400	DIODE	
R953			RK73GB2A104J	CHIP R 100K J 1/10W		D808			DAN202U	DIODE	
R956-958			RK73GB2A102J	CHIP R 1.0K J 1/10W	M2	D808			MA142WK	DIODE	
R956,957			RK73GB2A102J	CHIP R 1.0K J 1/10W	E3E4M3	D809,810			DAP202U	DIODE	
R960			RK73GB2A101J	CHIP R 100 J 1/10W		D809,810			MA142WA	DIODE	
R961			RK73GB2A472J	CHIP R 4.7K J 1/10W		D811			HZM10N(B1)	ZENER DIODE	
R962			RK73GB2A101J	CHIP R 100 J 1/10W		D812			MA3100-L	ZENER DIODE	
R963			RK73GB2A472J	CHIP R 4.7K J 1/10W		IC11			MA111	DIODE	
R964,965			RK73GB2A222J	CHIP R 2.2K J 1/10W	E3E4	IC12			TA2083FN	ANALOGUE IC	M2
R975			RK73GB2A472J	CHIP R 4.7K J 1/10W		IC13			HA12181FP	ANALOGUE IC	
R977			RK73GB2A471J	CHIP R 470 J 1/10W		IC13			NJM4565M-TE2	ANALOGUE IC	E3E4
R980			RK73GB2A104J	CHIP R 100K J 1/10W		IC14			TDA7479D	ANALOGUE IC	E3E4
R981			RK73GB2A471J	CHIP R 470 J 1/10W		IC22			TDA7407D	ANALOGUE IC	
R982			RK73GB2A104J	CHIP R 100K J 1/10W		IC23			NJM2123V-TE2	ANALOGUE IC	
R983			RK73GB2A471J	CHIP R 470 J 1/10W		IC31-34			NJM2060V	ANALOGUE IC	
R984,985			RK73GB2A104J	CHIP R 100K J 1/10W		IC35			NJM4580MD	ANALOGUE IC	
R986			RK73GB2A103J	CHIP R 10K J 1/10W	E3M3	IC41			TDA7384A	ANALOGUE IC	
R987			RK73GB2A103J	CHIP R 10K J 1/10W	E4	IC81	*		703037AYGFM02	MICROCONTROLLER IC	
R995			RK73GB2A103J	CHIP R 10K J 1/10W	M2M3	IC82			S-80842C9NB	MOS-IC	
R996,997			RK73GB2A104J	CHIP R 100K J 1/10W		IC83			HA12187FP	ANALOGUE IC	
R998			RK73GB2A392J	CHIP R 3.9K J 1/10W		IC84			TC7W02FU	MOS-IC	
R999			RK73GB2A104J	CHIP R 100K J 1/10W		IC85			BR24C01AFV-W	MEMORY IC	
W101			R92-2052-05	CHIP R 0 OHM J 1/10W	E3E4M3	IC86,87			TC7SU04FU	MOS-IC	
W107			R92-1252-05	CHIP R 0 OHM J 1/16W		Q101			DTC114EUA	DIGITAL TRANSISTOR	M2
W126			R92-1252-05	CHIP R 0 OHM J 1/16W	M2M3	Q101			UN5211	DIGITAL TRANSISTOR	M2
W201,202			R92-2052-05	CHIP R 0 OHM J 1/10W		Q102			2SB1188(Q,R)	TRANSISTOR	
W305,306			R92-1252-05	CHIP R 0 OHM J 1/16W		Q103			DTC124EUA	DIGITAL TRANSISTOR	
W327,328			R92-1252-05	CHIP R 0 OHM J 1/16W		Q103			UN5212	DIGITAL TRANSISTOR	
W333,334			R92-1252-05	CHIP R 0 OHM J 1/16W		Q104			2SB1188(Q,R)	TRANSISTOR	
W400			R92-1252-05	CHIP R 0 OHM J 1/16W		Q105			DTC124EUA	DIGITAL TRANSISTOR	
W809			R92-1252-05	CHIP R 0 OHM J 1/16W		Q105			UN5212	DIGITAL TRANSISTOR	
W884			R92-1252-05	CHIP R 0 OHM J 1/16W		Q106			DTC144EUA	DIGITAL TRANSISTOR	
W900			R92-1252-05	CHIP R 0 OHM J 1/16W		Q106			UN5213	DIGITAL TRANSISTOR	
W902			R92-1252-05	CHIP R 0 OHM J 1/16W		Q107			2SC4081	TRANSISTOR	E3E4
W916			R92-1252-05	CHIP R 0 OHM J 1/16W							

E3 : GX-201LHF2 E4 : GX-201RHF2
M2 : GX-201KHF2 M3 : GX-201SHF2

△ Indicates safety critical components.

PARTS LIST

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SYNTHESIZER UNIT (X14-694x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
Q108			2SK3018	FET	M2
Q151			DTA124EUA	DIGITAL TRANSISTOR	E3E4
Q151			UN5112	DIGITAL TRANSISTOR	E3E4
Q152			DTC114TUA	DIGITAL TRANSISTOR	E3E4
Q153			2SC4081	TRANSISTOR	E3E4
Q202			DTC124EUA	DIGITAL TRANSISTOR	
Q202			UN5212	DIGITAL TRANSISTOR	
Q401,402			DTC343TK	DIGITAL TRANSISTOR	
Q403			DTC114YUA	DIGITAL TRANSISTOR	
Q403			UN5214	DIGITAL TRANSISTOR	
Q404			2SC4081	TRANSISTOR	
Q601			UMC2N	TRANSISTOR	
Q602			2SB1446	TRANSISTOR	
Q604			UMC2N	TRANSISTOR	
Q605			2SB1446	TRANSISTOR	
Q606,607			DTC114EUA	DIGITAL TRANSISTOR	
Q606,607			UN5211	DIGITAL TRANSISTOR	
Q650,651			2SC4081	TRANSISTOR	
Q801			DTC124EUA	DIGITAL TRANSISTOR	
Q801			UN5212	DIGITAL TRANSISTOR	
Q802			DTC144EUA	DIGITAL TRANSISTOR	
Q802			UN5213	DIGITAL TRANSISTOR	
Q803			DTA114EUA	DIGITAL TRANSISTOR	
Q803			UN5111	DIGITAL TRANSISTOR	
Q804			2SA1576A	TRANSISTOR	
Q805			DTC144EUA	DIGITAL TRANSISTOR	
Q805			UN5213	DIGITAL TRANSISTOR	
Q806			DTC123JUA	DIGITAL TRANSISTOR	
Q807,808			2SC4081	TRANSISTOR	
Q809			DTC144EUA	DIGITAL TRANSISTOR	
Q809			UN5213	DIGITAL TRANSISTOR	
Q810			DTC114EUA	DIGITAL TRANSISTOR	
Q810			UN5211	DIGITAL TRANSISTOR	
Q812			DTA124EUA	DIGITAL TRANSISTOR	
Q812			UN5112	DIGITAL TRANSISTOR	
Q813			2SA1576A	TRANSISTOR	
Q815			2SC4081	TRANSISTOR	
Q816			2SB1443	TRANSISTOR	
Q817			2SA1576A	TRANSISTOR	
Q818			DTA124EUA	DIGITAL TRANSISTOR	
Q818			UN5112	DIGITAL TRANSISTOR	
Q820			UMC2N	TRANSISTOR	
Q821			DTC144EUA	DIGITAL TRANSISTOR	
Q821			UN5213	DIGITAL TRANSISTOR	
Q822			DTA124EUA	DIGITAL TRANSISTOR	
Q822			UN5112	DIGITAL TRANSISTOR	
Q850			DTA114EUA	DIGITAL TRANSISTOR	
Q850			UN5111	DIGITAL TRANSISTOR	
Q852			DTA143EUA	DIGITAL TRANSISTOR	
Q853			DTC144EUA	DIGITAL TRANSISTOR	
Q853			UN5213	DIGITAL TRANSISTOR	
A1		*	W02-3413-15	ELECTRIC CIRCUIT MODULE	
A2		*	W02-3414-15	ELECTRIC CIRCUIT MODULE	
A3		*	W02-3347-05	FM/AM FRONT-END	M2M3

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
A3		*	W02-3349-05	FM/AM FRONT-END	E3E4
SWITCH UNIT (X25-929x-xx)					
269	2C	*	B11-1416-04	COLOR FILTER	
270	2C	*	B11-1417-04	COLOR FILTER	
D10-22		*	B30-1601-05	LED	
D23			B30-1608-05	LED	
D25,26		*	B30-1602-05	LED	
D27-29		*	B30-1601-05	LED	
D31-33		*	B30-1601-05	LED	E4M2
D31-34		*	B30-1601-05	LED	E3M3
C1			C92-0092-05	CHIP C 47UF 6.3WV	
C2			CK73GB1C104K	CHIP C 0.10UF K	
C4,5			CK73GB1C104K	CHIP C 0.10UF K	
C6			CK73GB1H471K	CHIP C 470PF K	
C7			CK73GB1H103K	CHIP C 0.010UF K	
C8			C92-0092-05	CHIP C 47UF 6.3WV	
C9			CK73GB1H103K	CHIP C 0.010UF K	
C11			CK73GB1C104K	CHIP C 0.10UF K	
C12,13			CC73GCH1H180J	CHIP C 18PF J	
C14			CK73GB1H103K	CHIP C 0.010UF K	
C16,17			CK73FB1H104K	CHIP C 0.10UF K	
C18			CK73GB1C104K	CHIP C 0.10UF K	
C19			CC73GCH1H470J	CHIP C 47PF J	
C24-27			CK73GB1H103K	CHIP C 0.010UF K	
C33-35			CC73GCH1H470J	CHIP C 47PF J	
C44			CK73GB1C104K	CHIP C 0.10UF K	
C46-50			CK73GB1C104K	CHIP C 0.10UF K	
C51			CK73GB1H682K	CHIP C 6800PF K	
C53			CK73FB1C105K	CHIP C 1.0UF K	
C54			CK73GB1C104K	CHIP C 0.10UF K	
C55			CK73FB1C105K	CHIP C 1.0UF K	
C62			CK73GB1H103K	CHIP C 0.010UF K	
C63			CK73FB1C105K	CHIP C 1.0UF K	
C64			CK73GB1C104K	CHIP C 0.10UF K	
CN1		*	E41-0275-05	SOCKET FOR PIN ASSY	
CN2		*	E41-0276-05	SOCKET FOR PIN ASSY	
271	1D	*	J19-5160-13	HOLDER	
L4,5			L40-4792-78	SMALL FIXED INDUCTOR (4.7UH)	
L7			L40-4792-78	SMALL FIXED INDUCTOR (4.7UH)	
X1		*	L77-2823-05	CRYSTAL RESONATOR (3.9936MHZ)	
R1-5			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R6-10			RK73GB2A473J	CHIP R 47K J 1/10W	
R11			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R12			RK73GB2A471J	CHIP R 470 J 1/10W	
R13			RK73GB2A103J	CHIP R 10K J 1/10W	
R14			RK73GB2A473J	CHIP R 47K J 1/10W	
R15			RK73GB2A224J	CHIP R 220K J 1/10W	
R16-19			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R22,23			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R25-27			RK73GB2A473J	CHIP R 47K J 1/10W	
R29			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R30			RK73GB2A104J	CHIP R 100K J 1/10W	

E3 : GX-201LHF2 E4 : GX-201RHF2
M2 : GX-201KHF2 M3 : GX-201SHF2

△ Indicates safety critical components.

PARTS LIST

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SWITCH UNIT (X25-929x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
R31,32			RK73GB2A102J	CHIP R 1.0K J 1/10W		R158			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R33,34			RK73GB2A473J	CHIP R 47K J 1/10W		R159			RK73GB2A103J	CHIP R 10K J 1/10W	
R35			RK73GB2A102J	CHIP R 1.0K J 1/10W		R163,164			RK73GB2A103J	CHIP R 10K J 1/10W	
R36			RK73GB2A104J	CHIP R 100K J 1/10W		R165			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R37,38			RK73GB2A102J	CHIP R 1.0K J 1/10W		R166			RK73GB2A103J	CHIP R 10K J 1/10W	
R39,40			RK73GB2A222J	CHIP R 2.2K J 1/10W		R170,171			RK73GB2A103J	CHIP R 10K J 1/10W	
R43			RK73GB2A102J	CHIP R 1.0K J 1/10W		R172			RK73GB2A223J	CHIP R 22K J 1/10W	
R46			RK73GB2A102J	CHIP R 1.0K J 1/10W		R174			RK73GB2A101J	CHIP R 100 J 1/10W	
R47			RK73GB2A224J	CHIP R 220K J 1/10W		R175			RK73FB2B562J	CHIP R 5.6K J 1/8W	E3M3
R50,51			RK73GB2A103J	CHIP R 10K J 1/10W		R180			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R52-60			RK73GB2A102J	CHIP R 1.0K J 1/10W		R181,182			RK73GB2A223J	CHIP R 22K J 1/10W	
R61			RK73GB2A103J	CHIP R 10K J 1/10W		R183-185	*		RK73EB2E182J	CHIP R 1.8K J 1/4W	
R62,63			RK73GB2A102J	CHIP R 1.0K J 1/10W		R187			RK73GB2A224J	CHIP R 220K J 1/10W	
R64			RK73GB2A104J	CHIP R 100K J 1/10W		S31,32	*	T99-0439-05		ROTARY ENCODER	
R66			RK73GB2A104J	CHIP R 100K J 1/10W		D1			DAN202U	DIODE	
R67			RK73GB2A222J	CHIP R 2.2K J 1/10W		D1			MA142WK	DIODE	
R68			RK73GB2A104J	CHIP R 100K J 1/10W		D2,3			DA227	DIODE	
R69-72			RK73GB2A222J	CHIP R 2.2K J 1/10W		D4,5			DAN202U	DIODE	
R73			RK73GB2A104J	CHIP R 100K J 1/10W		D4,5			MA142WK	DIODE	
R75			RK73GB2A104J	CHIP R 100K J 1/10W		ED1	*	6-MT-378GINK		FLUORESCENT INDICATOR TUBE	E4M2
R76,77			RK73GB2A103J	CHIP R 10K J 1/10W		ED2	*	3-MT-104GINK		FLUORESCENT INDICATOR TUBE	E4M3
R78,79			RK73GB2A102J	CHIP R 1.0K J 1/10W		ED3	*	3-MT-108GINK		FLUORESCENT INDICATOR TUBE	E3M3
R80			RK73GB2A103J	CHIP R 10K J 1/10W	E4M2	IC1	*	90587CAPFV130		MI-COM IC	M2
R81			RK73GB2A103J	CHIP R 10K J 1/10W	E3M3	IC1	*	90587CAPFV137		MICROCONTROLLER IC	E3E4M3
R82			RK73GB2A104J	CHIP R 100K J 1/10W		IC3			BR24C01AF-W	ROM IC	
R83			RK73GB2A103J	CHIP R 10K J 1/10W	E3M2M3	Q1			FMC3A	DIGITAL TRANSISTOR	
R84			RK73GB2A103J	CHIP R 10K J 1/10W	E4	Q2			DTC114YUA	DIGITAL TRANSISTOR	
R102			RK73FB2B220J	CHIP R 22 J 1/8W		Q2			UN5214	DIGITAL TRANSISTOR	
R103			RK73GB2A432J	CHIP R 4.3K J 1/10W		Q4			FMC3A	DIGITAL TRANSISTOR	
R104			RK73FB2B220J	CHIP R 22 J 1/8W		Q5			DTC114YUA	DIGITAL TRANSISTOR	
R106			RK73FB2B222J	CHIP R 2.2K J 1/8W		Q5			UN5214	DIGITAL TRANSISTOR	
R107			RK73FB2B621J	CHIP R 620 J 1/8W		Q11,12			2SA1576A	TRANSISTOR	
R108		*	RK73FB2B821J	CHIP R 820 J 1/8W		Q11,12			2SB1218A	TRANSISTOR	
R109			RK73FB2B562J	CHIP R 5.6K J 1/8W		Q21			DTA114TK	DIGITAL TRANSISTOR	
R110			RK73FB2B621J	CHIP R 620 J 1/8W		Q22			DTC124EUA	DIGITAL TRANSISTOR	
R111			RK73FB2B122J	CHIP R 1.2K J 1/8W		Q22			UN5212	DIGITAL TRANSISTOR	
R112,113			RK73FB2B562J	CHIP R 5.6K J 1/8W		Q23			DTC114EUA	DIGITAL TRANSISTOR	
R115			RK73GB2A103J	CHIP R 10K J 1/10W		Q23			UN5211	DIGITAL TRANSISTOR	
R116			RK73GB2A102J	CHIP R 1.0K J 1/10W		Q24			2SC4081	TRANSISTOR	
R118			RK73GB2A333J	CHIP R 33K J 1/10W		Q24			2SD1819A	TRANSISTOR	
R121			RK73GB2A181J	CHIP R 180 J 1/10W		Q25			2SA1576A	TRANSISTOR	
R124			RK73GB2A181J	CHIP R 180 J 1/10W		Q25			2SB1218A	TRANSISTOR	
R125			RK73FB2B823J	CHIP R 82K J 1/8W		Q26			DTA114YUA	DIGITAL TRANSISTOR	
R129			RK73GB2A102J	CHIP R 1.0K J 1/10W		Q26			UN5114	DIGITAL TRANSISTOR	
R130,131			RK73FB2B102J	CHIP R 1.0K J 1/8W		Q27			UMC2N	TRANSISTOR	
R132			RK73FB2B222J	CHIP R 2.2K J 1/8W		Q28			2SC2873	TRANSISTOR	
R133			RK73FB2B392J	CHIP R 3.9K J 1/8W		Q29,30			2SC4081	TRANSISTOR	
R134			RK73FB2B222J	CHIP R 2.2K J 1/8W		Q29,30			2SD1819A	TRANSISTOR	
R135			RK73GB2A472J	CHIP R 4.7K J 1/10W		Q33			DTA114EUA	DIGITAL TRANSISTOR	
R138-140			RK73EB2E103J	CHIP R 10K J 1/4W		Q33			UN5111	DIGITAL TRANSISTOR	
R141		*	RK73EB2E182J	CHIP R 1.8K J 1/4W		Q34			UMC2N	TRANSISTOR	
R142			RK73FB2B561J	CHIP R 560 J 1/8W		Q35			DTC114EUA	DIGITAL TRANSISTOR	
R143			RK73FB2B562J	CHIP R 5.6K J 1/8W		Q35			UN5211	DIGITAL TRANSISTOR	
R144-147			RK73GB2A103J	CHIP R 10K J 1/10W		Q36			DTA144EUA	DIGITAL TRANSISTOR	
R148,149			RK73GB2A222J	CHIP R 2.2K J 1/10W							

E3 : GX-201LHF2 E4 : GX-201RHF2
M2 : GX-201KHF2 M3 : GX-201SHF2

△ Indicates safety critical components.

PARTS LIST

* New parts

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Teile ohne **Parts No.** werden nicht geliefert.

SWITCH UNIT (X25-929x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
Q36			UN5113	DIGITAL TRANSISTOR	
Q37			2SC4081(S)	TRANSISTOR	
CD PLAYER UNIT (X32-5240-01)					
C1,2			CK73GB0J105K	CHIP C 1.0UF K	
C3			CK73FB1A225K	CHIP C 2.2UF K	
C4			C92-0566-05	CHIP-TAN 10UF 6.3WV	
C5			CC73GCH1H150J	CHIP C 15PF J	
C6			CC73GCH1H020C	CHIP C 2.0PF C	
C7			CK73GB1C104K	CHIP C 0.10UF K	
C8			CK73GB0J105K	CHIP C 1.0UF K	
C10			CK73GB1H472K	CHIP C 4700PF K	
C11			CK73GB1H682K	CHIP C 6800PF K	
C12			CK73GB1H332K	CHIP C 3300PF K	
C13			CK73GB1C333K	CHIP C 0.033UF K	
C14			CK73GB1H472K	CHIP C 4700PF K	
C15			CK73GB1E473K	CHIP C 0.047UF K	
C16			CC73GCH1H151J	CHIP C 150PF J	
C17			CK73GB1H472K	CHIP C 4700PF K	
C18			CC73GCH1H221J	CHIP C 220PF J	
C19,20			CK73GB1C104K	CHIP C 0.10UF K	
C21			CK73FB1A225K	CHIP C 2.2UF K	
C23			CK73GB1H102K	CHIP C 1000PF K	
C24			CK73GB1E223K	CHIP C 0.022UF K	
C25			CK73GB1H153K	CHIP C 0.015UF K	
C26			CK73GB0J105K	CHIP C 1.0UF K	
C28			CK73GB0J105K	CHIP C 1.0UF K	
C29			CK73GB1C104K	CHIP C 0.10UF K	
C33			CK73GB1C104K	CHIP C 0.10UF K	
C35			CK73GB1C104K	CHIP C 0.10UF K	
C39			CK73GB1H152K	CHIP C 1500PF K	
C40			CK73GB1H103K	CHIP C 0.010UF K	
C41			CK73FB1A225K	CHIP C 2.2UF K	
C42			CK73GB1H152K	CHIP C 1500PF K	
C44			CK73GB1H103K	CHIP C 0.010UF K	
C46			CK73GB1E473K	CHIP C 0.047UF K	
C51			CK73GB1C104K	CHIP C 0.10UF K	
C55			CK73GB1C104K	CHIP C 0.10UF K	
C67-69			CK73GB1C104K	CHIP C 0.10UF K	
C70			C92-1359-05	CHIP-TAN 10UF 16WV	
C71,72			CK73GB1H471K	CHIP C 470PF K	
C77,78			CC73GCH1H680J	CHIP C 68PF J	
C79,80			CK73GB1H222K	CHIP C 2200PF K	
C85			CK73GB1C104K	CHIP C 0.10UF K	
C89			CK73GB1H222K	CHIP C 2200PF K	
CN1			E40-9536-05	FLAT CABLE CONNECTOR	
CN1			E41-0193-05	FLAT CABLE CONNECTOR	
CN2			E40-9339-05	FLAT CABLE CONNECTOR	
CN2			E41-0129-05	FLAT CABLE CONNECTOR	
X1			L78-0572-05	RESONATOR (16.93MHZ)	
CP1			R90-1019-05	MULTI-COMP 100 X2	
CP2			R90-1014-05	MULTI-COMP 100 X4	
R3			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R5			RK73GB2A361J	CHIP R 360 J 1/10W	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R6			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R9			RK73FB2B100J	CHIP R 10 J 1/8W	
R10,11			RK73GB2A103J	CHIP R 10K J 1/10W	
R12			RK73GB2A912J	CHIP R 9.1K J 1/10W	
R15			RK73GB2A824J	CHIP R 820K J 1/10W	
R16			RK73GB2A223J	CHIP R 22K J 1/10W	
R17			RK73GB2A433J	CHIP R 43K J 1/10W	
R18			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R19			RK73GB2A513J	CHIP R 51K J 1/10W	
R20			RK73GB2A104J	CHIP R 100K J 1/10W	
R21			RK73GB2A364J	CHIP R 360K J 1/10W	
R32			RK73GB2A683J	CHIP R 68K J 1/10W	
R34			RK73GB2A363J	CHIP R 36K J 1/10W	
R36			RK73GB2A151J	CHIP R 150 J 1/10W	
R37			RK73GB2A471J	CHIP R 470 J 1/10W	
R38			RK73GB2A224J	CHIP R 220K J 1/10W	
R40			RK73GB2A133J	CHIP R 13K J 1/10W	
R46			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R47			RK73GB2A103J	CHIP R 10K J 1/10W	
R49			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R52			RK73GB2A104J	CHIP R 100K J 1/10W	
R54			RK73GB2A104J	CHIP R 100K J 1/10W	
R70			RK73GB2A103J	CHIP R 10K J 1/10W	
R71			RK73GB2A113J	CHIP R 11K J 1/10W	
R73			RK73GB2A473J	CHIP R 47K J 1/10W	
R74			RK73GB2A123J	CHIP R 12K J 1/10W	
R75			RK73GB2A333J	CHIP R 33K J 1/10W	
R76			RK73GB2A103J	CHIP R 10K J 1/10W	
R79,80			RK73GB2A103J	CHIP R 10K J 1/10W	
R81			RK73GB2A333J	CHIP R 33K J 1/10W	
R82			RK73GB2A133J	CHIP R 13K J 1/10W	
R84			RK73GB2A103J	CHIP R 10K J 1/10W	
R101,102			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R103,104			RK73GB2A562J	CHIP R 5.6K J 1/10W	
R107,108			RK73FB2B331J	CHIP R 330 J 1/8W	
R117,118			RK73FB2B203J	CHIP R 20K J 1/8W	
R121,122			RK73FB2B203J	CHIP R 20K J 1/8W	
R125,126			RK73FB2B203J	CHIP R 20K J 1/8W	
R202			RK73GB2A104J	CHIP R 100K J 1/10W	
R214			RK73GB2A104J	CHIP R 100K J 1/10W	
R218			RK73GB2A473J	CHIP R 47K J 1/10W	
R233			RK73GB2A622J	CHIP R 6.2K J 1/10W	
R234			RK73GB2A103J	CHIP R 10K J 1/10W	
S1,2			S68-0863-05	PUSH SWITCH	
S3			S68-0862-05	PUSH SWITCH	
S4			S68-0864-05	PUSH SWITCH	
D1			DAN202U	DIODE	
D3			DA204U	DIODE	
D4			DAN202U	DIODE	
IC1			AN22002AA	ANALOGUE IC	
IC2			MN662774KM	MOS-IC	
IC4			BA5824FP	ANALOGUE IC	
IC5			TA78L05F	ANALOGUE IC	
IC6			NJM4580M1	ANALOGUE IC	

E3 : GX-201LHF2 E4 : GX-201RHF2
M2 : GX-201KHF2 M3 : GX-201SHF2

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PARTS LIST

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CD PLAYER UNIT (X32-5240-01)

Ref. No.	Add	New	Parts No.	Description	Destination
Q1			MCH6101	TRANSISTOR	
Q2			DTC124EUA	DIGITAL TRANSISTOR	
Q3			DTA143XUA	DIGITAL TRANSISTOR	
Q4			2SA1362(Y)	TRANSISTOR	
Q5			DTC124EUA	DIGITAL TRANSISTOR	
DAUGHTER UNIT (X89-2540-01)					
C101,102			CK73GB1H102K	CHIP C 1000PF K	
C103		*	CF92JV1H224J	METALIZED POLYCARBONATE FILM C	
C104			CK73GB1E223K	CHIP C 0.022UF K	
C104			CK73GB1H223K	CHIP C 0.022UF K	
C105		*	CD04BA1C100M	ELECTRO 10UF 16WV	
C106			CK73FB1C224K	CHIP C 0.22UF K	
C107		*	CD04AY1E331M	ELECTRO 330UF 25WV	
C108			CK73GB1H103K	CHIP C 0.010UF K	
C109			C90-2986-05	ELECTRO 10UF 50WV	
C110			CK73GB1E473K	CHIP C 0.047UF K	
C110			CK73GB1H473K	CHIP C 0.047UF K	
C111			CC73GCH1H101J	CHIP C 100PF J	
C112			CK73GB1H103K	CHIP C 0.010UF K	
C113		*	C90-5638-05	ELECTRO 10UF 10WV	
C114			CK73GB1E473K	CHIP C 0.047UF K	
C114			CK73GB1H473K	CHIP C 0.047UF K	
C115			CC73GCH1H101J	CHIP C 100PF J	
C116		*	CD04AY1C100M	ELECTRO 10UF 16WV	
C117			CC73GCH1H101J	CHIP C 100PF J	
C118			CC73GCH1H221J	CHIP C 220PF J	
C119,120			CC73GCH1H101J	CHIP C 100PF J	
C121			CC73GCH1H221J	CHIP C 220PF J	
C122			CK73FB1H104K	CHIP C 0.10UF K	
C123,124			CK73GB1E223K	CHIP C 0.022UF K	
C123,124			CK73GB1H223K	CHIP C 0.022UF K	
C301		*	C90-5602-05	ELECTRO 2.2UF 50WV	
C302			CK73FB1C684K	CHIP C 0.68UF K	
C303		*	CD04AY1V470M	ELECTRO 47UF 35WV	
C304			CK73GB1C104K	CHIP C 0.10UF K	
C304			CK73GB1H104K	CHIP C 0.10UF K	
C305			C90-2982-05	ELECTRO 100UF 16WV	
C306			CK73FB1C684K	CHIP C 0.68UF K	
C401		*	C93-1294-05	CERAMIC CAPACITOR (TYPE 3)	
C402,403		*	C93-1293-05	CERAMIC CAPACITOR (TYPE 3)	
CN1			E40-9302-05	PIN ASSY	
CN2			E40-9432-05	PIN ASSY	
CN3			E40-9302-05	PIN ASSY	
J1		*	E58-0932-05	RECTANGULAR RECEPTACLE	
L101		*	L92-0363-05	FERRITE CORE	
L	3D		N09-4461-05	TAPTITE SCREW	
R101			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R102			RN73GH1J123D	CHIP R 12K D 1/16W	
R103			RN73GH1J363D	CHIP R 36K D 1/16W	
R104			RN73GH1J393D	CHIP R 39K D 1/16W	
R105			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R106			RK73GB2A562J	CHIP R 5.6K J 1/10W	
R107			RN73GH1J562D	CHIP R 5.6K D 1/16W	

Ref. No.	Add	New	Parts No.	Description	Destination
R108			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R109			RN73GH1J102D	CHIP R 1.0K D 1/16W	
R110			RK73EB2E472J	CHIP R 4.7K J 1/4W	
R301			RK73GB2A331J	CHIP R 330 J 1/10W	
R302			RK73GB2A103J	CHIP R 10K J 1/10W	
R401,402			RK73EB2E221J	CHIP R 220 J 1/4W	
R401,402		*	R92-3300-05	METAL GLAZE RESISTOR	
R403,404			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R403,404			R92-3218-05	CHIP R 1K J 1/4W	
D301		*	HZS12A2L	ZENER DIODE	
D302			1SS133	DIODE	
IC11			L4943	ANALOGUE IC	
IC31		*	BA07ST-V5	ANALOGUE IC	
Q101			UMC2N	TRANSISTOR	
Q301			2SB1548(P)	TRANSISTOR	
Q302			UMC2N	TRANSISTOR	
Q303			2SC4081	TRANSISTOR	
CD MECHANISM ASSY (X92-4790-00)					
2	1B	*	A10-5093-22	CHASSIS	
5	1B	*	D10-4785-33	ARM ASSY	
8	2A	*	D10-4787-63	LEVER ASSY	
10	3A		D10-4581-13	ARM	
11	2A		D10-4582-13	ARM	
12	3A		D10-4583-03	ARM	
13	3A		D10-4584-03	ARM	
14	3B		D10-4585-03	ARM	
15	2A	*	D10-4792-03	SLIDER	
16	3B	*	D10-4784-22	SLIDER	
17	3B		D10-4588-13	SLIDER	
18	3B		D10-4595-04	ARM	
19	3B		D10-4596-14	ARM	
22	2A		D13-2151-04	GEAR	
23	2B		D13-2152-04	GEAR	
24	3B		D13-2153-04	GEAR	
25	3B		D13-2154-04	GEAR	
26	3B		D13-2155-04	WORM	
27	3B		D13-2156-14	GEAR	
28	3B		D13-2157-04	GEAR	
29	3B		D13-2158-04	GEAR	
30	3B		D13-2168-04	GEAR	
31	3B		D13-2171-04	GEAR	
32	2B		D13-2172-03	RACK (GEAR)	
33	2A		D14-0759-04	ROLLER	
35	2B		D21-2382-04	SHAFT	
36	1A		D23-0954-04	RETAINER	
37	1B	*	D39-0260-05	DAMPER	
38	2B		G01-3072-04	EXTENSION SPRING	
39	2A		G01-3073-04	TORSION COIL SPRING	
40	2A		G01-3074-04	EXTENSION SPRING	
41	1B		G01-3075-04	EXTENSION SPRING	
42	2A		G01-3076-04	EXTENSION SPRING	
43	1B		G01-3077-04	EXTENSION SPRING	
44	2B		G02-1399-04	FLAT SPRING	

E3 : GX-201LHF2 E4 : GX-201RHF2
M2 : GX-201KHF2 M3 : GX-201SHF2

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CD MECHANISM ASSY (X92-4790-00)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
45	2B		G02-1408-04	FLAT SPRING	
51	1A	*	J22-0064-13	MOUNTING HARDWARE ASSY	
52	3B		J21-9677-12	MOUNTING HARDWARE	
53	1B		J21-9678-13	MOUNTING HARDWARE	
55	1A	*	J90-1078-14	GUIDE ASSY	
56	1B		J90-1023-03	GUIDE	
A	2B		N09-4460-05	TAPTITE SCREW (OVAL P TAPTIT)	
B	1B		N09-4472-05	MACHINE SCREW (M1.7X8.5)	
C	2B		N09-6004-05	MACHINE SCREW (M1.7X2.5 IB-L)	
E	2B		N09-6007-05	MACHINE SCREW (PAN M2X2)	
F	1A		N09-6051-05	TAPTITE SCREW (BIND P 2X5)	
G	2A		N19-2163-04	FLAT WASHER	
H	1B		N39-2020-46	PAN HEAD MACHIN SCREW	
J	1B		N09-6108-05	MACHINE SCREW (M2*3.5TYPE3)	
K	3B		N09-6155-05	SEMS (TAPTITE SCREW) (PT2X6)	
DM1	3B		T42-1066-04	DC MOTOR ASSY (SP)	
DM2	2B		T42-1067-04	DC MOTOR ASSY (LO)	
DPU1	2B		T25-0223-05	OPTICAL PICKUP HEAD	

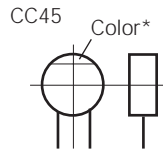
Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation

PARTS LIST

CAPACITORS

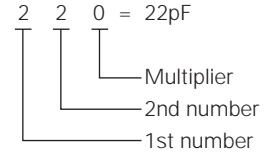
CC 45 TH 1H 220 J
 1 2 3 4 5 6

- 1 = Type ... ceramic, electrolytic, etc.
- 2 = Shape ... round, square, etc.
- 3 = Temp. coefficient
- 4 = Voltage rating
- 5 = Value
- 6 = Tolerance



• Capacitor value

- 010 = 1pF
- 100 = 10pF
- 101 = 100pF
- 102 = 1000pF = 0.001μF
- 103 = 0.01μF



• Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	H	J	K	L
ppm/°C	±30	±60	±120	±250	±500

Example : CC45TH = -470±60ppm/°C

• Tolerance (More than 10pF)

Code	C	D	G	J	K	M	X	Z	P	No code
(%)	±0.25	±0.5	±2	±5	±10	±20	+40 -20	+80 -20	+100 -0	More than 10μF : -10~+50 Less than 4.7μF : -10~+75

(Less than 10pF)

Code	B	C	D	F	G
(pF)	±0.1	±0.25	±0.5	±1	±2

• Voltage rating

2nd word \ 1st word	A	B	C	D	E	F	G	H	J	K	V
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	-
3	1000	1250	1600	2000	2500	2150	4000	5000	6300	8000	-

CHIP CAPACITORS

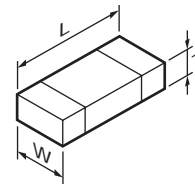
(EX) CC 73 F SL 1H 000 J
 1 2 3 4 5 6 7
 (Chip) (CH, RH, UJ, SL)

(EX) CK 73 F F 1H 000 Z
 1 2 3 4 5 6 7
 (Chip) (B, F)

Refer to the table above.

- 1 = Type
- 2 = Shape
- 3 = Dimension
- 4 = Temp. coefficient
- 5 = Voltage rating
- 6 = Value
- 7 = Tolerance

• Dimension



Chip capacitor

Code	L	W	T
Empty	5.6±0.5	5.0±0.5	Less than 2.0
A	4.5±0.5	3.2±0.4	Less than 2.0
B	4.5±0.5	2.0±0.3	Less than 2.0
C	4.5±0.5	1.25±0.2	Less than 1.25
D	3.2±0.4	2.5±0.3	Less than 1.5
E	3.2±0.2	1.6±0.2	Less than 1.25
F	2.0±0.3	1.25±0.2	Less than 1.25
G	1.6±0.2	0.8±0.2	Less than 1.0
H	1.0±0.05	0.5±0.05	0.5±0.05

Chip resistor

Code	L	W	T
E	3.2±0.2	1.6±0.2	1.0
F	2.0±0.3	1.25±0.2	1.0
G	1.6±0.2	0.8±0.2	0.5±0.1
H	1.0±0.05	0.5±0.05	0.35±0.05

RESISTORS

• Chip resistor (Carbon)

(EX) RD 73 E B 2B 000 J
 1 2 3 4 5 6 7
 (Chip) (B, F)

• Carbon resistor (Normal type)

(EX) RD 14 B B 2C 000 J
 1 2 3 4 5 6 7
 (Chip) (B, F)

- 1 = Type ... ceramic, electrolytic, etc.
- 2 = Shape ... round, square, etc.
- 3 = Dimension
- 4 = Temp. coefficient
- 5 = Voltage rating
- 6 = Value
- 7 = Tolerance

• Rating wattage

Code	Wattage	Code	Wattage	Code	Wattage
1J	1/16W	2C	1/6W	3A	1W
2A	1/10W	2E	1/4W	3D	2W
2B	1/8W	2H	1/2W		

GX-201KHF2/LHF2/RHF2/SHF2

SPECIFICATIONS

FM : GX-201LHF2/RHF2

Frequency Range 87.5~108.0MHz
Channel Space Selection 50kHz
Usable Sensitivity (S/N=26dB) 6dB μ V EMF
Signal to Noise Ratio (MONO) 65dB
Selectivity (\pm 300kHz) 90dB μ V EMF
Stereo Separation (1kHz) 30dB

FM : GX-201KHF2/SHF2

Frequency Range 87.5~108.0MHz
Channel Space Selection 100kHz
Usable Sensitivity (S/N=30dB) 6dB μ V EMF
Signal to Noise Ratio (MONO) 65dB
Selectivity (\pm 300kHz) 90dB μ V EMF
Stereo Separation (1kHz) 25dB

MW, LW : GX-201LHF2/RHF2

Frequency Range
MW 531~1611kHz
LW 153~281kHz
Channel Space Selection
MW 9kHz
LW 1kHz
Usable Sensitivity (S/N 20dB)
MW 33dB μ V EMF
LW 40dB μ V EMF

AM : GX-201KHF2/SHF2

Frequency Range 531~1611kHz
Channel Space Selection 9k/10kHz
Usable Sensitivity (S/N 20dB) 31dB μ V EMF

CD

Digital Filter 8 Times Over Sampling
D/A Converter 1Bit
Total Harmonic Distoytion 0.5% (1kHz, 20kHz)
S/N Ratio 60dB (1kHz)
Channel Separation 50dB (1kHz)

Audio

Maximum Output Power 14W x 4 (4 Ω)
GX-201KHF2/SHF2
Full Bandwidth Power (at less than 1% THD) 11W x 4
GX-201LHF2/RHF2
PWR DIN45324 11W x 4
Tone Action
Bass : 100Hz \pm 8dB
Treble : 17.5kHz \pm 8dB
Mid : 1kHz \pm 8dB

General

Operating Voltage 13.2V (10.8~15.6V)
Current Consumption 10A

KENWOOD follows a policy of continuous advancements
in development.

For this reason specifications may be changed without
notice.

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