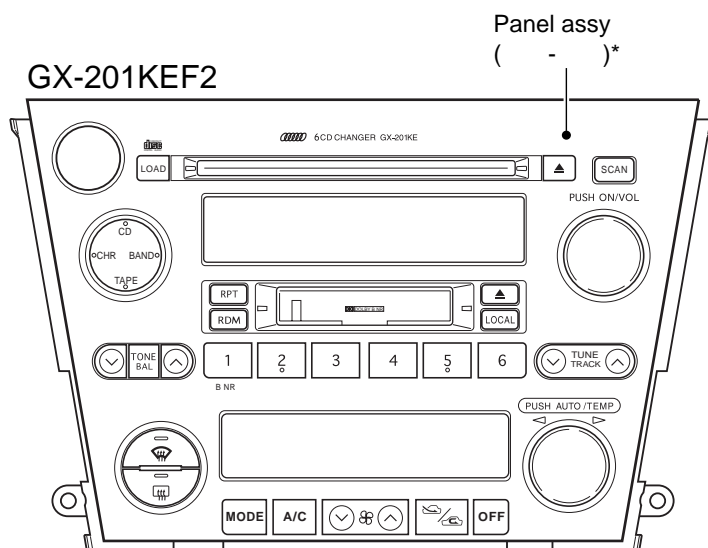
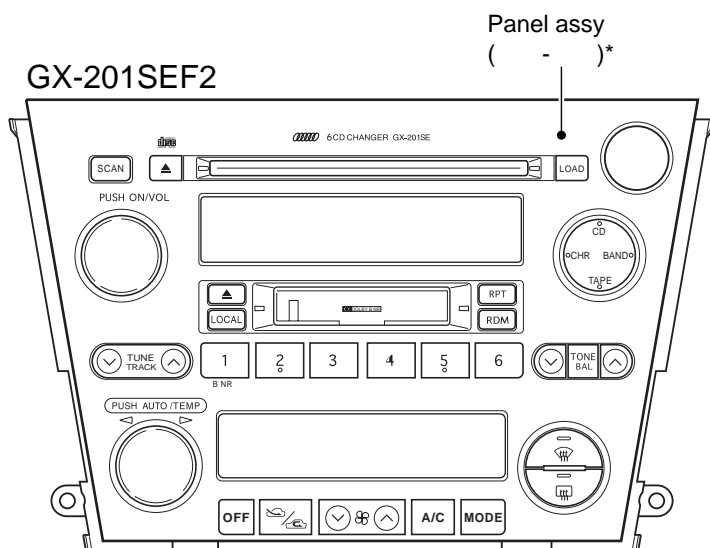
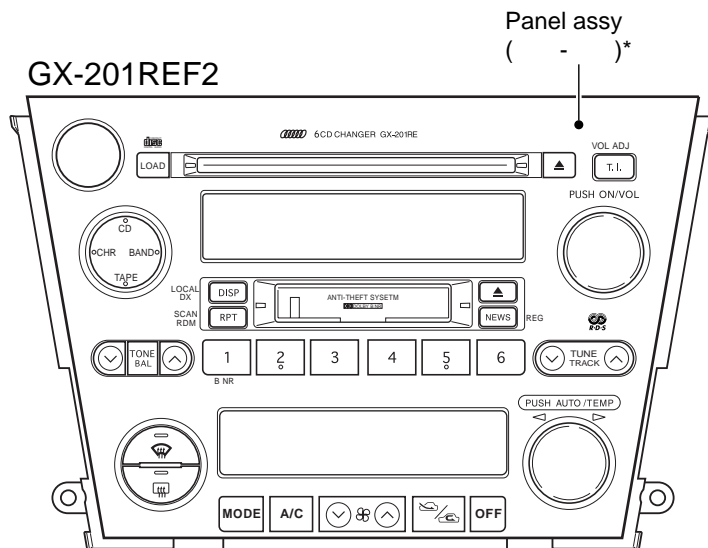
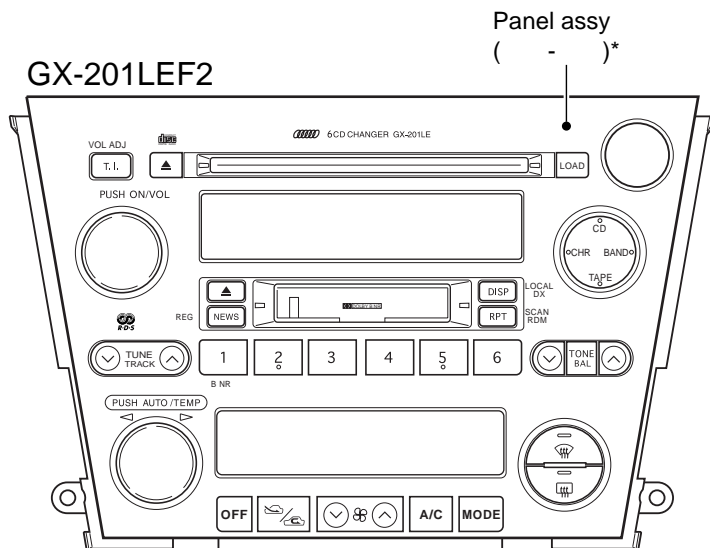


GX-201KEF2/LEF2 /REF2/SEF2

SERVICE MANUAL (TENTATIVE)

SUBARU GENUINE

Model	Model Name	Parts No.	Destination
GX-201LE	GX-201LEF2	86201AG410	Europe (left-hand-drive cars)
GX-201RE	GX-201REF2	86201AG310	Europe (right-hand-drive cars)
GX-201KE	GX-201KEF2	86201AG210	Other Areas (right-hand-drive cars)
GX-201SE	GX-201SEF2	86201AG510	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.
- The 6CD mechanism has not supplied repair parts for each part (for Optical Laser pickup, motor etc). If you need repair to the 6CD mechanism please change to mechanism assy (D40-1170-15).
- DC cord for service : E30-3801-15
- Antenna connector replacement cord for service : E30-6255-05

CAUTION ON TRANSPORTING

When transporting the unit, 6CD-CH mechanism must be put into the transport mode.

■ How to Achieve the Transport Mode

In order to achieve the transport mode, there should be no disk and the mechanism nor should the mechanism be in the waiting mode for disk loading.*

After displaying [NO DISC], turned off the ACC power source. Keep the BU power source on.

* Non-waiting mode for disk loading

- Non-waiting mode for disk loading means the state where the mechanism is displaying [NO DISC] and where the mechanism shutter is closed.
- In other words, [NO DISC] is displayed 15 seconds after the disk is taken out or when the shutter of the mechanism is closed and [LOAD] key is pressed. (Pressing the [LOAD] key causes the mechanism to enter the waiting and non-waiting mode alternatively.)
- Pressing other source keys after taking all the disks out, the mechanism shutter closes and it goes into non waiting mode for disk loading. (At this point the display will indicate the source selected and does not display [NO DISC].)

■ Transport Mode Condition

1. Rear Arm condition (This can be confirmed in the condition where the mechanism cover is in place.)

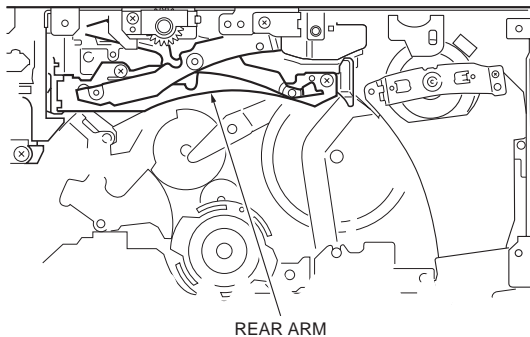


Fig. 1 Transport mode

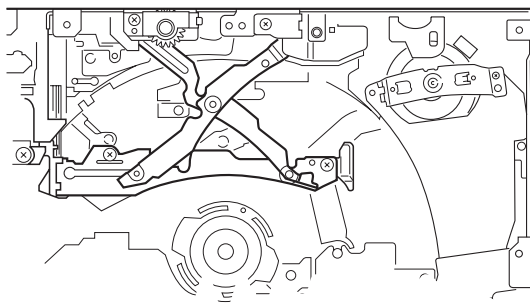


Fig. 2 Waiting mode for disk loading

2. Center Screw condition (By the external view of the mechanism, it is possible to make judgment on this by the PLATE-RACK PIN position.)

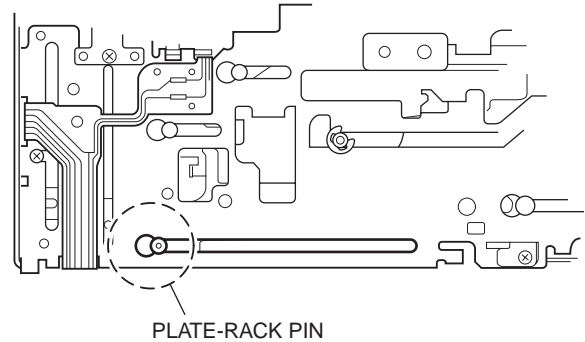


Fig. 3 Transport mode

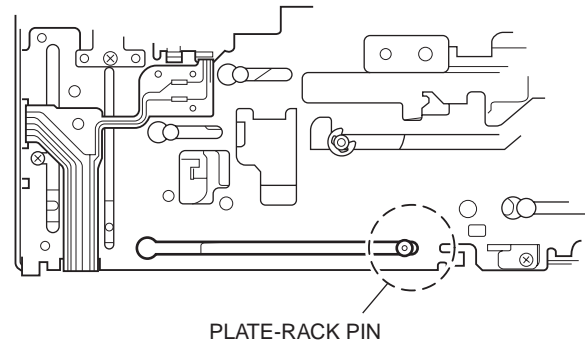


Fig. 4 Up/Down center screw connection condition

■ The Reason to Put the Mechanism in the Transport Mode

1. Protection of Rear Arm

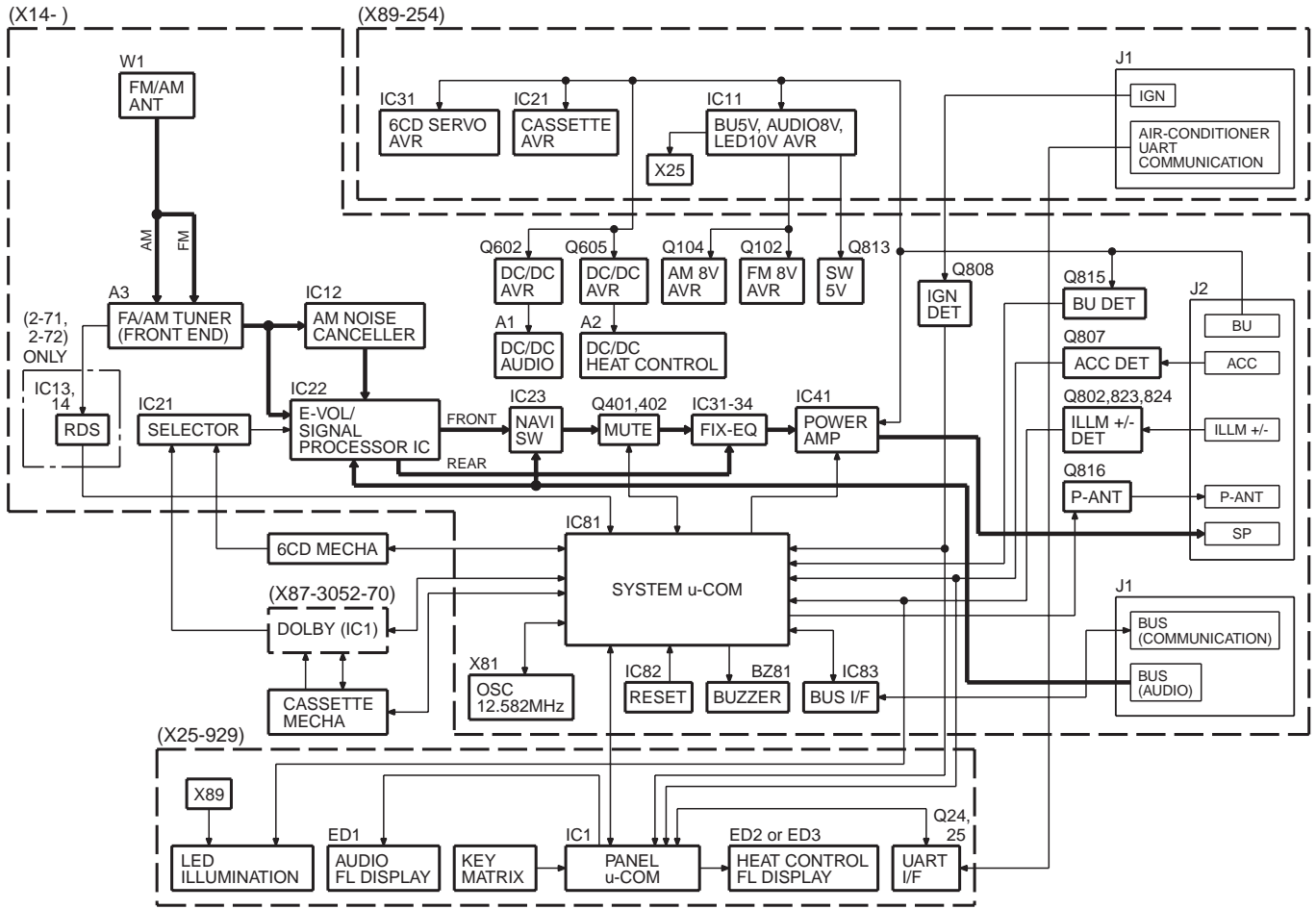
Putting the mechanism into the transport mode is a protection against the Rear Arm to get deformed from the vibration during transport or sudden fall. Deformity in the Rear Arm may result in loss of strength for holding the disk in place.

2. Protection against error at the time of initial search

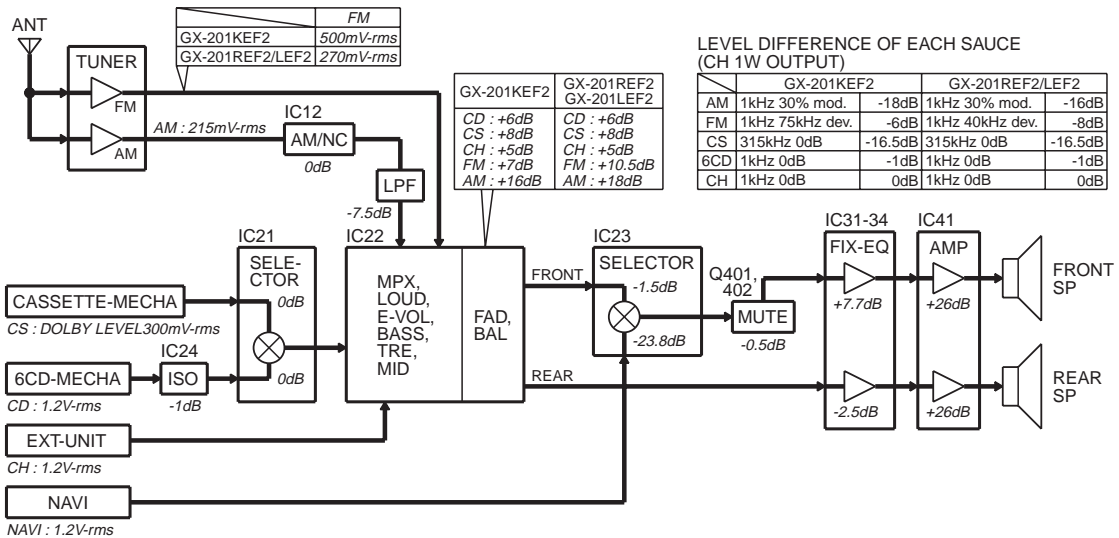
Putting the mechanism into the transport mode is also a protection against an error or mechanism lock when the power is put on again. When the back up is turned off, plate-rack pin could move from the vibration during transport or sudden fall.

This would cause the system to go into an error detection of the center screw is not in connection although, in fact, it is in connected condition.

BLOCK DIAGRAM



LEVEL DIAGRAM



COMPONENTS DESCRIPTION

● SYNTHESIZER UNIT (X14-694x-xx)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC1	Cassette mechanism sub-motor IC	Cassette sub-motor power supply
IC11	FM diversity IC	FM diversity switching (Only for GX-201KEF2)
IC12	AM noise canceller IC	AM noise canceller
IC13	2-piece ope-amp	RDS noise amp (Only for GX-201LEF2/REF2)
IC14	RDS demodulation IC	RDS demodulation (Only for GX-201LEF2/REF2)
IC21	Ope-amp with switch	CD/Cassette switching
IC22	Electronic volume	BASS/MID/TRE, MPX, Mute, Electronic volume
IC23	Ope-amp with switch	Audio/NAVI switching
IC24	2-piece ope-amp	CD isolation amp, LPF
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
Q1,2	Cassette mechanism main motor power supply switch	For cassette mechanism main motor
Q101	Diversity switch	When turned ON, turns diversity OFF (Only for GX-201KEF2)
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-201LEF2/REF2)
Q108	S-meter buffer	S-meter voltage output
Q151,152	Noise amp	Noise detection constant switching (Only for GX-201LEF2/REF2)
Q153	Noise amp	Noise detection output buffer (Only for GX-201LEF2/REF2)
Q202	Mute switch	For muting within 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

COMPONENTS DESCRIPTION

Ref. No.	Application / Function	Operation / Condition / Compatibility
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
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

COMPONENTS DESCRIPTION

Ref. No.	Application / Function	Operation / Condition / Compatibility
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

● DOLBY NOISE REDUCTION UNIT (X87-3052-70)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC1	Dolby NR	Dolby BNR, Cassette EQ, Music sensor
Q1	Music sensor level switching	Gain switching of dolby IC

● DAUGHTER UNIT (X89-2542-71)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC11	Various constant voltage power supply output	5V, 8V, 10V constant voltage power supply
IC21	CAS servo 8V power supply	For CAS servo
IC31	CD servo 8V power supply	For CD servo
Q101	Panel illumination power supply switch	When illumination + input, 5V output
Q201~203	CAS servo power supply switch	For CAS servo
Q301~303	CD servo power supply switch	For CD servo

MICROCOMPUTER'S TERMINAL DESCRIPTION

● SYSTEM MICROCONTROLLER IC : 703037AGF-A15 (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	R_DATA (NC)	I (O)	RDS data input	(M, General type : Open, not used)
4	PLL_SCL	O	F/E (+EEPROM) clock output	(I2C) 100kHz or less
5	R_QUAL (NC)	I (O)	RDS quality	(M, General type : Open, not used)
6	CDX_SI	I	6CD data input	(SIO) 250kHz
7	CDX_SO	O	6CD data output	(SIO) 250kHz
8	CDX_CLK	I	6CD clock input	(SIO) 250kHz
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	NC	O	Not used	Open
18	MUSIC	I	CS between music detection	Between music : H, Music detection : L
19	DOLBY	O	CS dolby switching	NR ON : H, NR OFF : L
20	EQ_MUTE	O	CS EQ mute	PLAY : L, FF/REW DPSS : H
21	IC/VPP	-	Write voltage	
22	CDX_MTS	O	6CD communication request output	
23	MTL	I	CS metal SW	Normal : H, Metal, CrO ₂ : L
24	F/R	O	CS F/R switching	FWD : L, REV : H, Initial : L
25	MSC	O	CS gain switching at music select	G1 (-40dBm) : L, G2 (-60dBm) : H
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	NC	O	Not used	Open
31	A_SEL	O	Audio selection	CD : H, CS : L
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 reset input	Reset : L, Reset voltage : 4.2V, Reset at rise of L→H
35	XT1	I	Sub-system clock oscillation terminal	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing Operation Description
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 electrical potential	
41	VDD	-	5V electrical potential	
42	NC	O	Not used	Open
43	HARD_RESET	O	Hard reset output	Reset : H
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	Not used (Diversity antenna control)	E, General type : Open, not used M type : Test mode : H (OFF) or L (ON) switching (Initial : H), Normal mode : L (DIVER ON)
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	Tuner ON : H, RDS operation during other sources : H, Other : L
52	NC	O	Not used	Open
53	IGN_DET	I	IGN detection	IGN ON : L, IGN OFF : H, Detection voltage : 8V
54	ON_REQ	I	F-BUS ON request	System ON request : L
55	SYS_ON	O	F-BUS ON output	System ON : H
56	CDX_STM	I	6CD communication request input	Communication request : L
57	SYS_OFF	O	F-BUS OFF output	System OFF : H
58	BVDD	-	5V electrical potential	
59	BVSS	-	GND electrical 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 of 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	MOTOR	O	CS main motor control	Main motor ON : H

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing Operation Description
65	SUB+	O	CS sub-motor control	
66	SUB-	O	CS sub-motor control	
67	MODE3	I	CS FF/REW/FWD/REV detection	
68	MODE1	I	CS FF/REW/FWD/REV detection	
69	MODE2	I	CS FF/REW/FWD/REV detection	
70	CDX_ACC	O	6CD ACC	Operating 6CD : L, Other : H
71	CDX_RST	O	6CD reset	Reset : L, Normal : H
72	CDX_EJEREQ	O	Eject request	Eject : L
73	REF_CON	O	A/D port reference voltage output	ACC ON : H, Other : L
74	AVDD	-	5V electrical potential	
75	AVSS	-	GND electrical potential	
76	AVREF	I	A/D port reference voltage input	
77	CDX_DDCNT	I	6CD servo control	6CD ON : H
78	CDX_MUTE	I	6CD mute request	Mute : L
79	RREEL	I	CS reel pulse (AD input)	CS reverse rotation side reel photo input
80	FREEL	I	CS reel pulse (AD input)	CS foreword rotation side reel photo input
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 in EEPROM
87	NC	I	Not used	
88	SCRTY	I	Forced security release	Release : 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	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

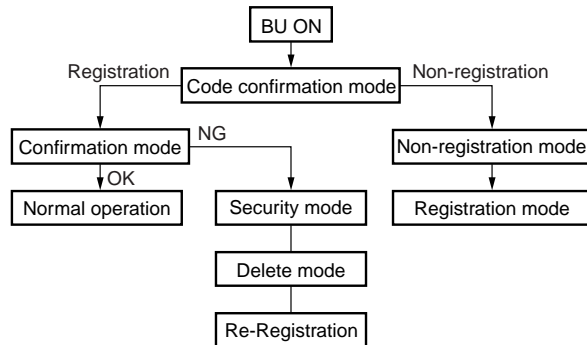
SECURITY CODE (GX-201REF2)

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.

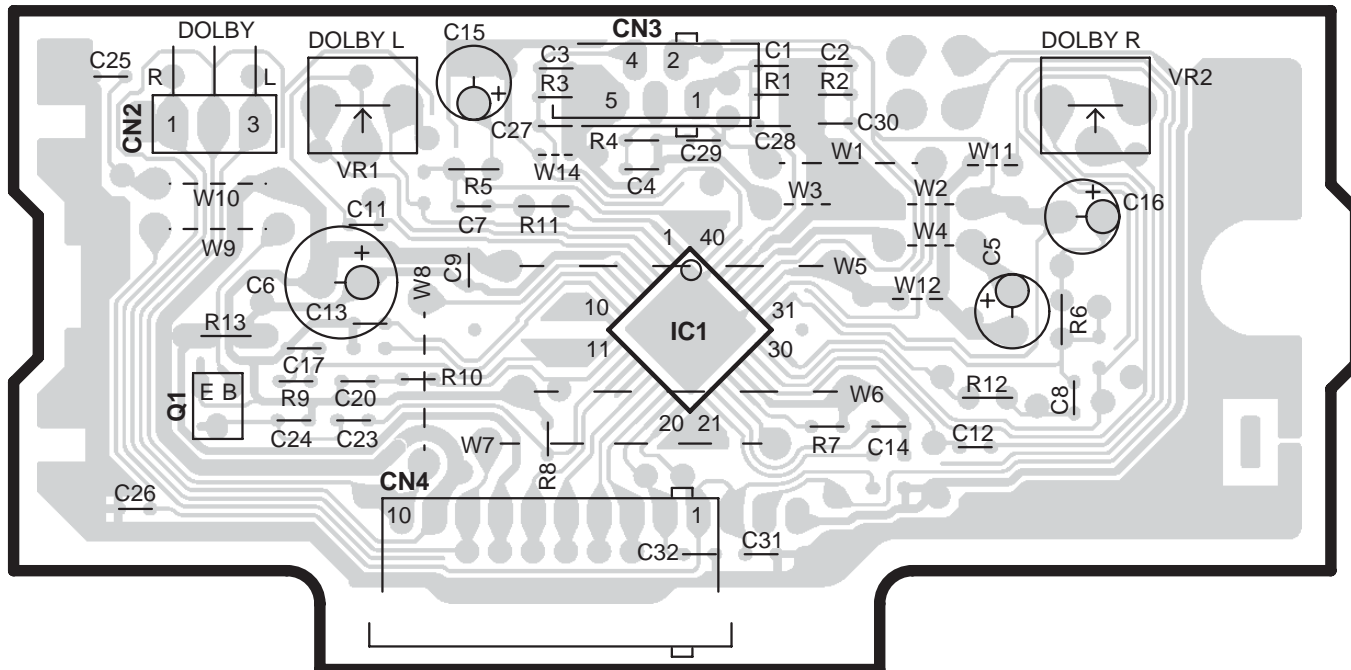
For GX-201, in order to maintain the security, deletion is only effective when selection monitor is used.

ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER (RECEIVER) SETTINGS	ALIGNMENT POINTS	ALIGN FOR
CASSETTE DECK SECTION						
[1]	AZIMUTH	TCC-153 10kHz	Connect a AC voltmeter to SP OUT	TAPE PLAY	Head Azimuth Screw	Adjust the azimuth for each Lch/Rch or FWD/RVS becomes maximum
[2]	PLAY BACK LEVEL	TCC-130	Connect a AC voltmeter to CN2 (X87)	TAPE PLAY	VR1 (L) VR2 (R) (X87)	300mV

PC BOARD (FOIL SIDE VIEW)

DOLBY NOISE REDUCTION UNIT X87-3052-70 (J74-1366-12)



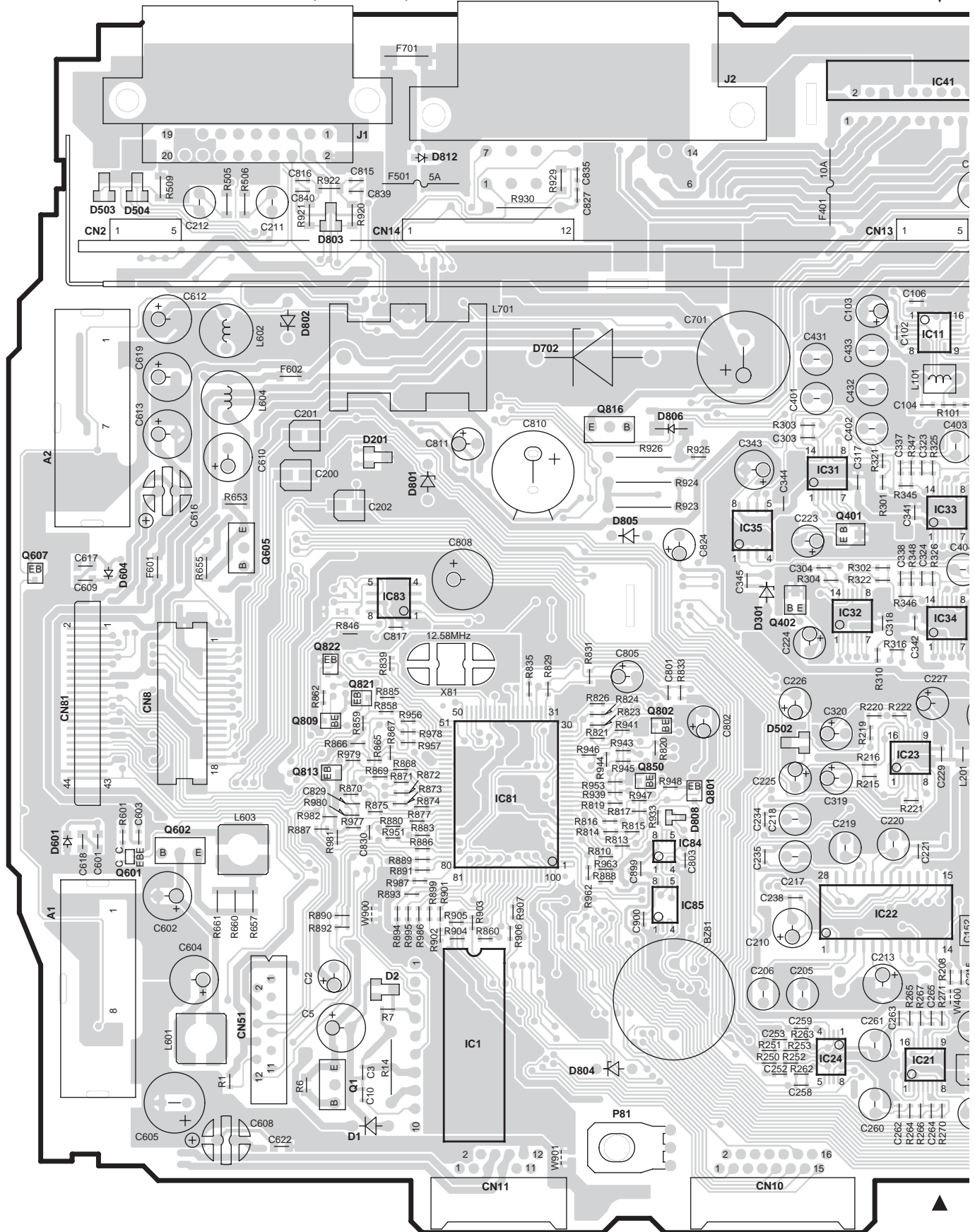
X87-3052-70

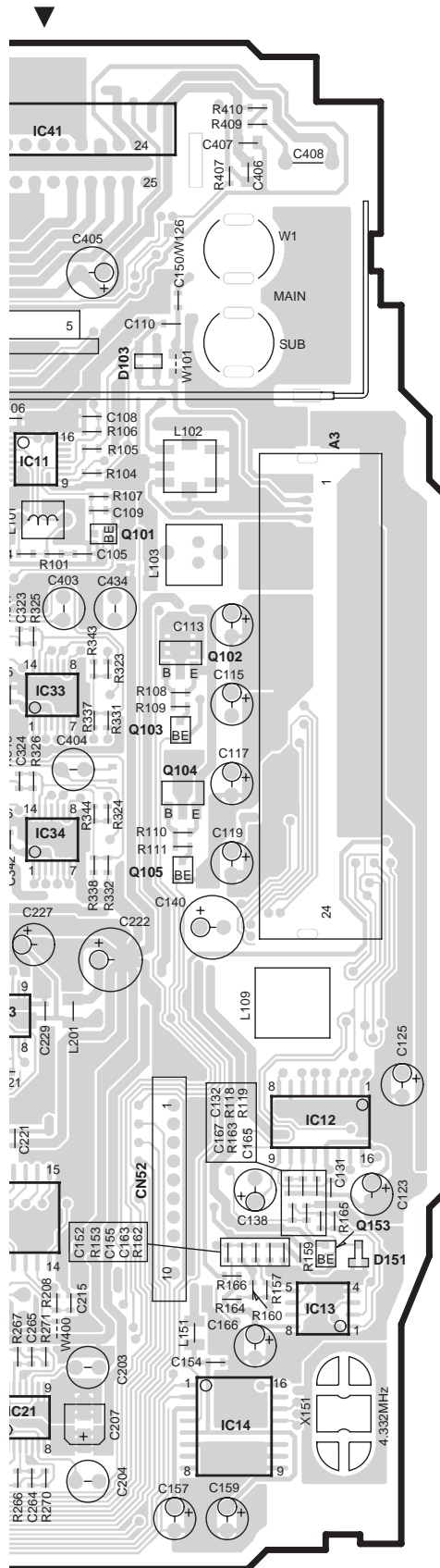
Ref No.	Address
IC1	3C
Q1	3A

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

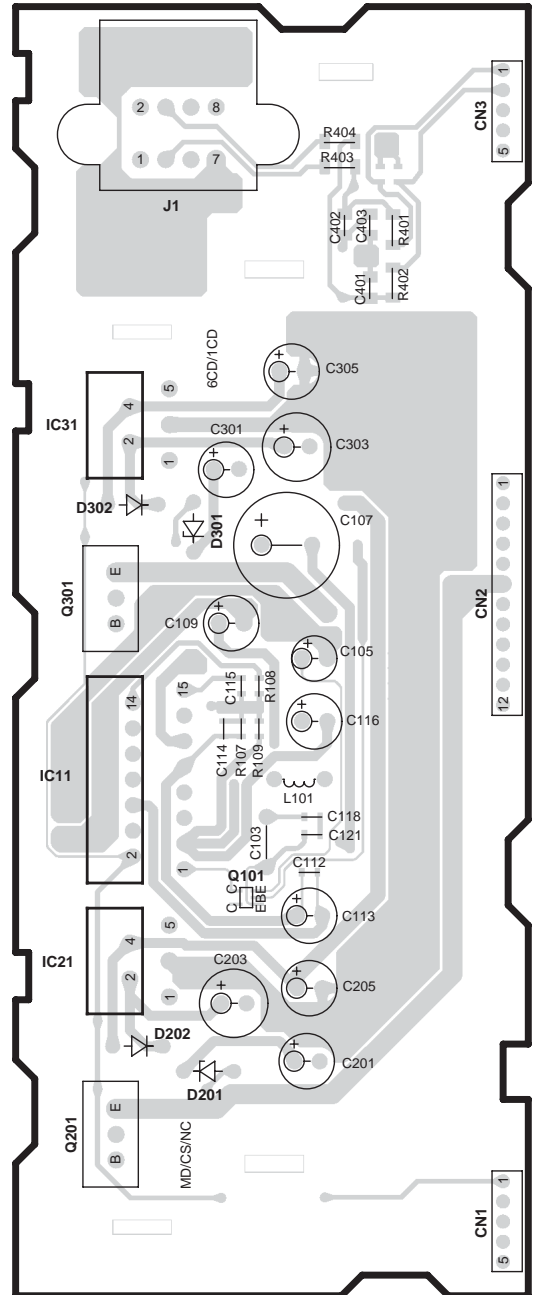
PC BOARD (COMPONENT SIDE VIEW)

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





DAUGHTER UNIT X89-2542-71 (J74-1349-12)



X14-694x-xx

Ref No.	Address
IC1	6H
IC11	3J
IC12	5L
IC13	6L
IC14	6K
IC21	6J
IC22	6J
IC23	5J
IC24	6J
IC31	4J
IC32	4J
IC33	4K
IC34	4K
IC35	4I
IC41	2J
IC81	5H
IC83	4H
IC84	5I
IC85	6I
Q1	6H
Q101	3K
Q102	4K
Q103	4K
Q104	4K
Q105	4K
Q153	6L
Q401	4J
Q402	4J
Q601	5F
Q602	5G
Q605	4G
Q607	4F
Q801	5I
Q802	5I
Q809	5G
Q813	5G
Q816	3I
Q821	5H
Q822	4G
Q850	5I

X89-2542-71

Ref No.	Address
IC11	4N
IC21	5N
IC31	3N
Q101	4N
Q201	5N
Q301	3N

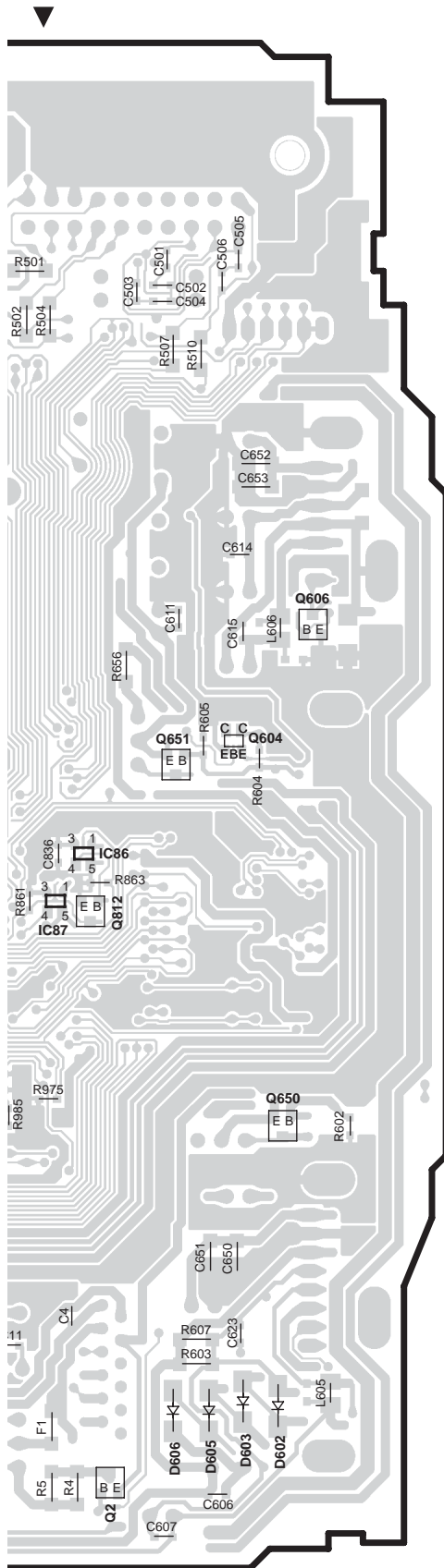
Refer to the schematic diagram for the values of resistors and capacitors.

GX-201KEF2/LEF2/REF2/SEF2

PC BOARD (FOIL SIDE VIEW)

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

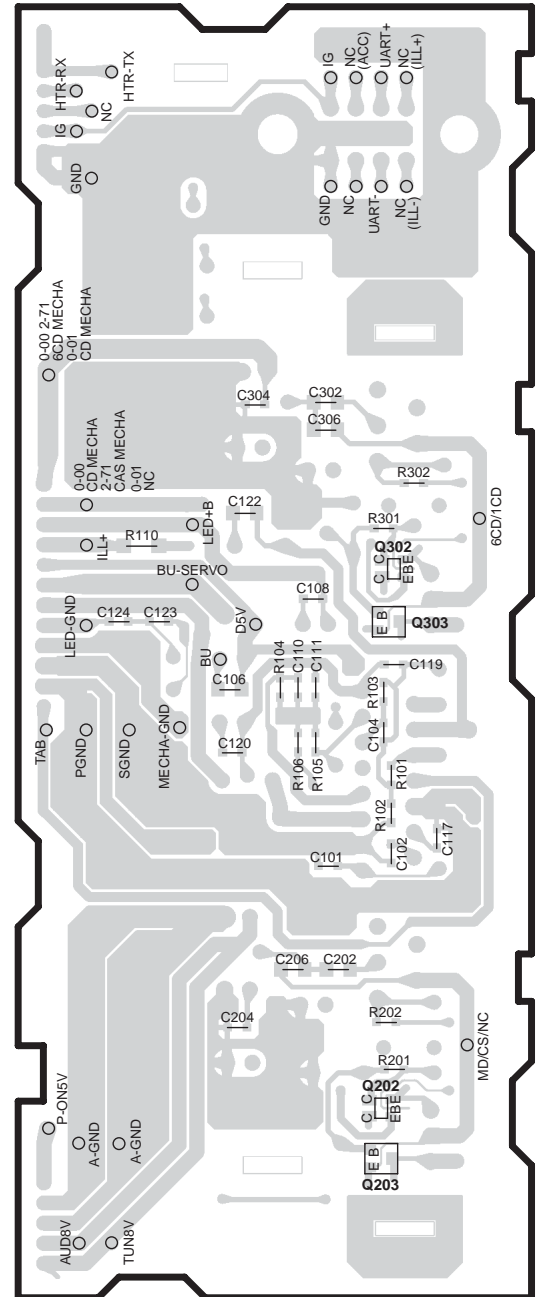




X14-694x-xx

Ref No.	Address
IC82	5R
IC86	4U
IC87	5U
Q2	7U
Q106	5Q
Q107	4P
Q108	3Q
Q151	6P
Q152	6Q
Q202	6R
Q403	2Q
Q404	2Q
Q604	4U
Q606	3V
Q650	5V
Q651	4U
Q803	4S
Q804	3T
Q805	7R
Q806	4S
Q807	4T
Q808	4T
Q810	4S
Q812	5U
Q815	6R
Q817	3S
Q818	4S
Q820	3T
Q852	2T
Q853	2T

DAUGHTER UNIT X89-2542-71 (J74-1349-12)



X89-2542-71

Ref No.	Address
Q202	5Y
Q203	5Y
Q302	3Y
Q303	3Y

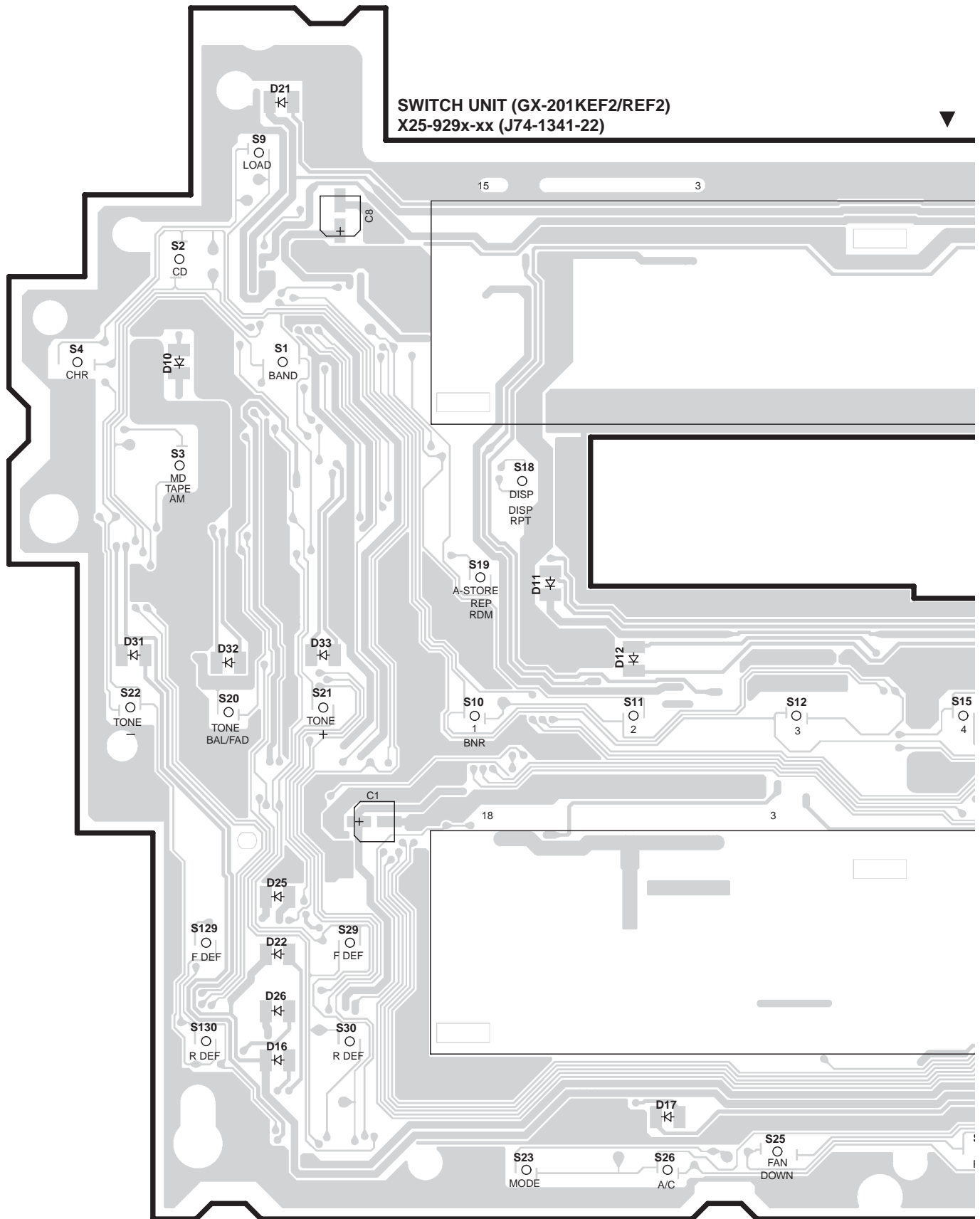
Refer to the schematic diagram for the values of resistors and capacitors.

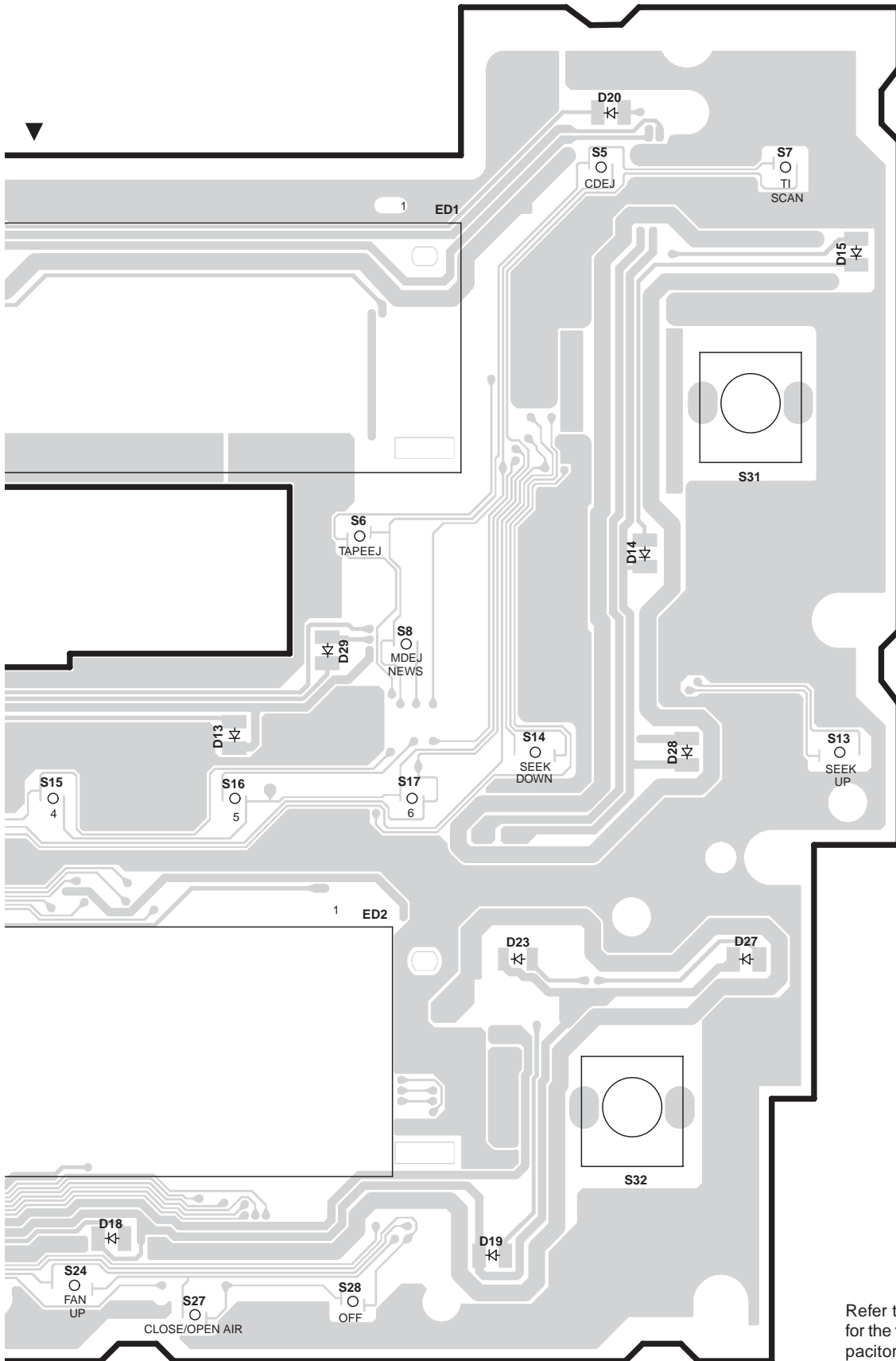
GX-201KEF2/LEF2/REF2/SEF2

PC BOARD (COMPONENT SIDE VIEW)

1
2
3
4
5
6
7

SWITCH UNIT (GX-201KEF2/REF2)
X25-929x-xx (J74-1341-22)

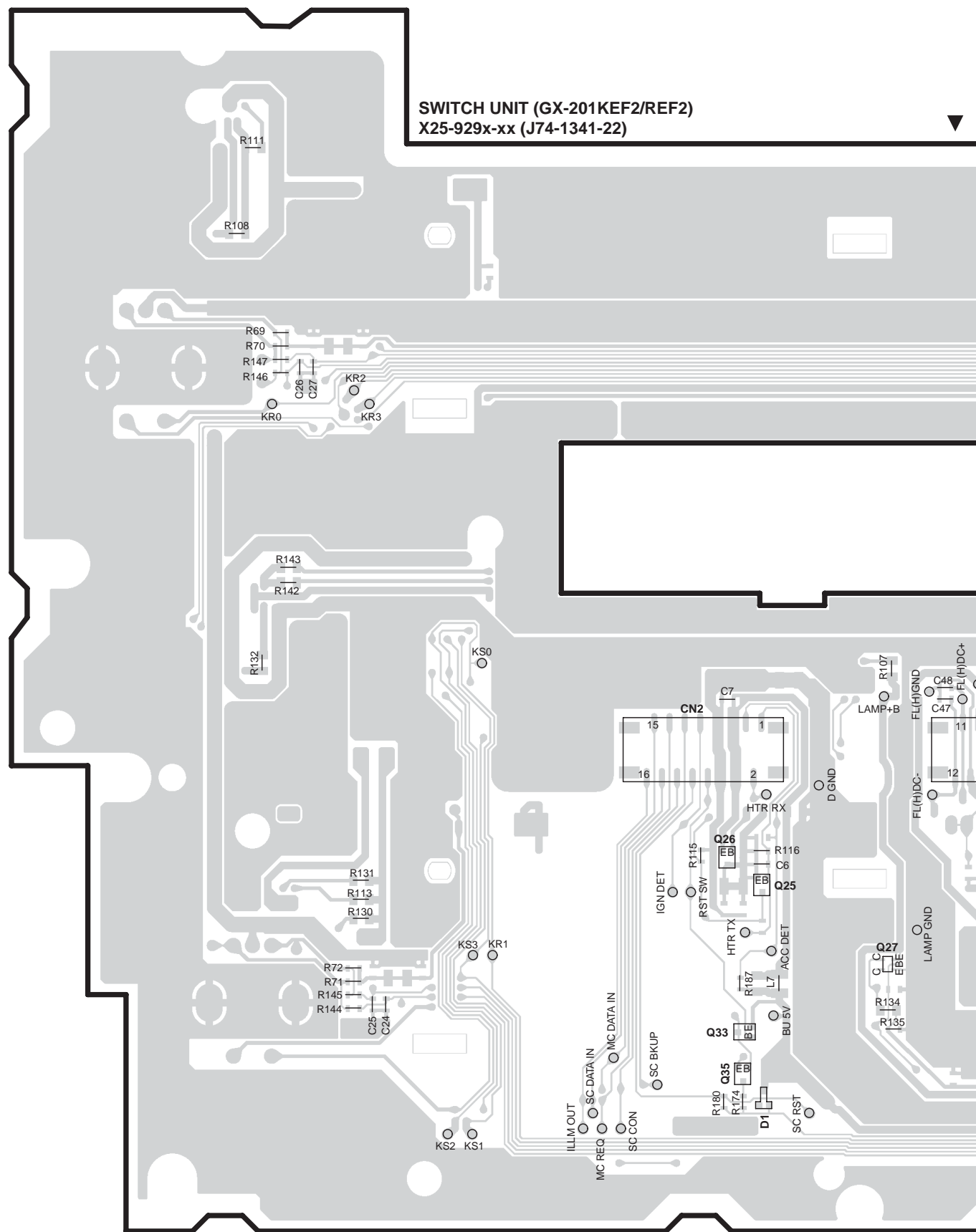


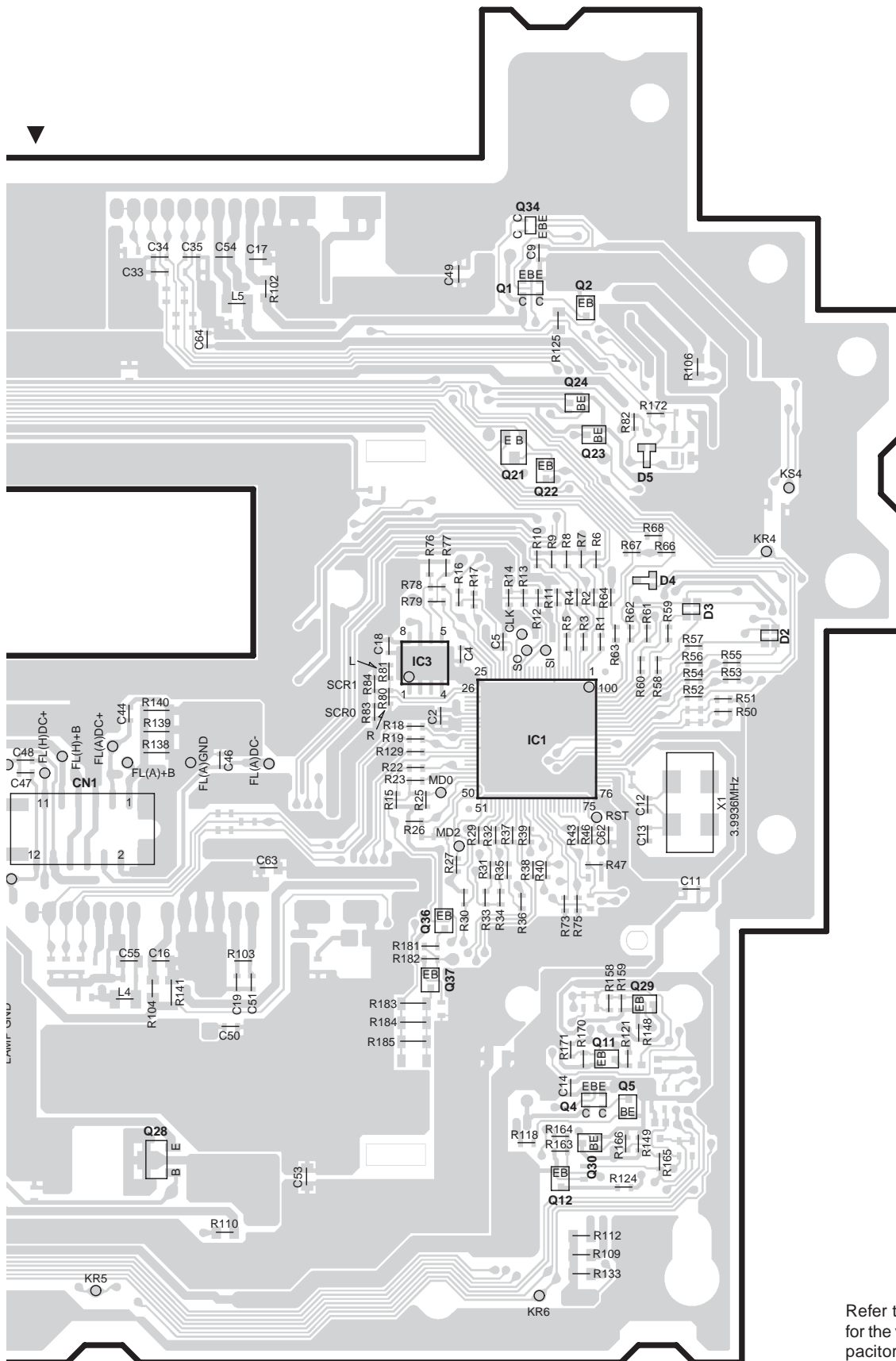


Refer to the schematic diagram for the values of resistors and capacitors.

GX-201KEF2/LEF2/REF2/SEF2

PC BOARD (FOIL SIDE VIEW)





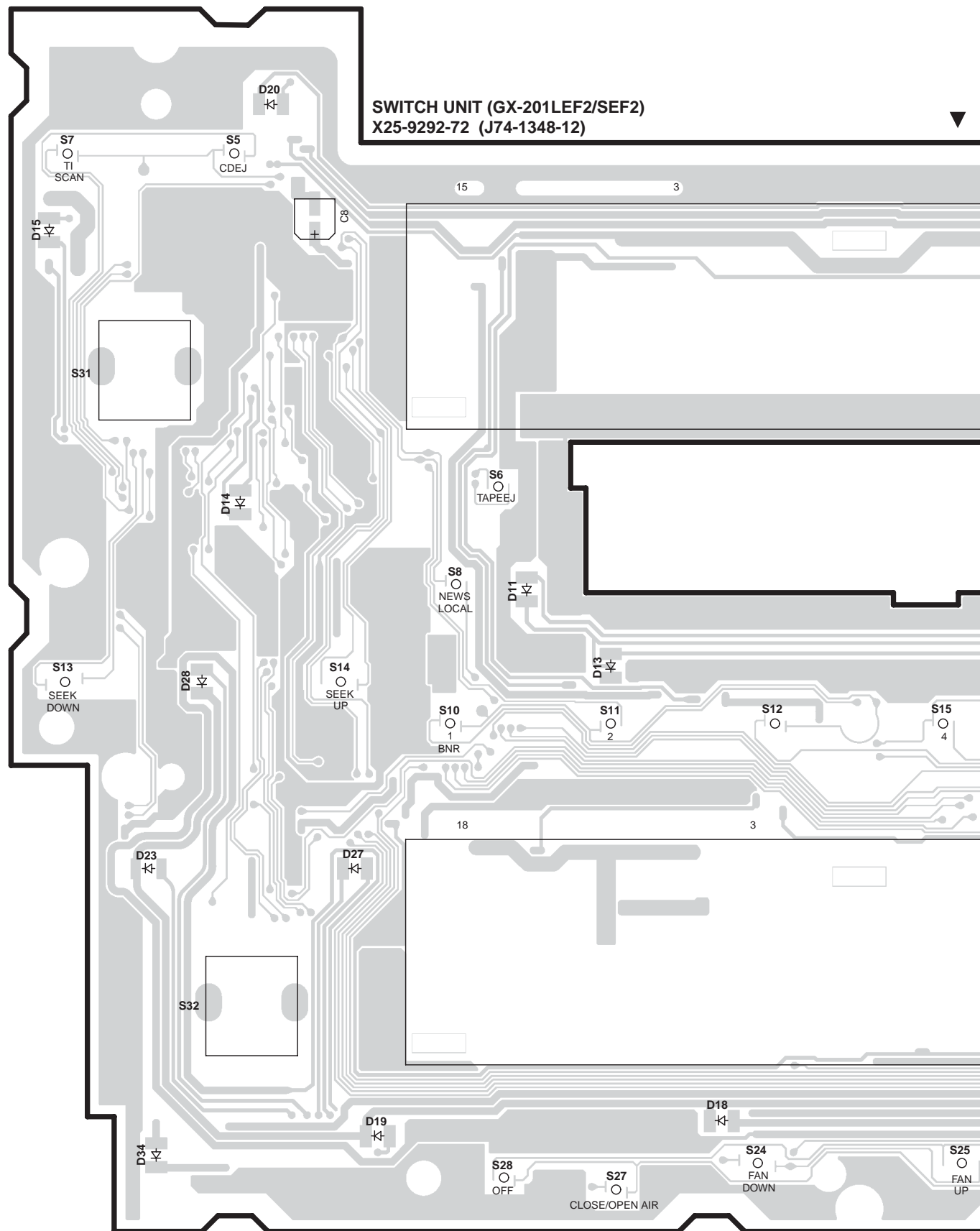
X25-929x-xx

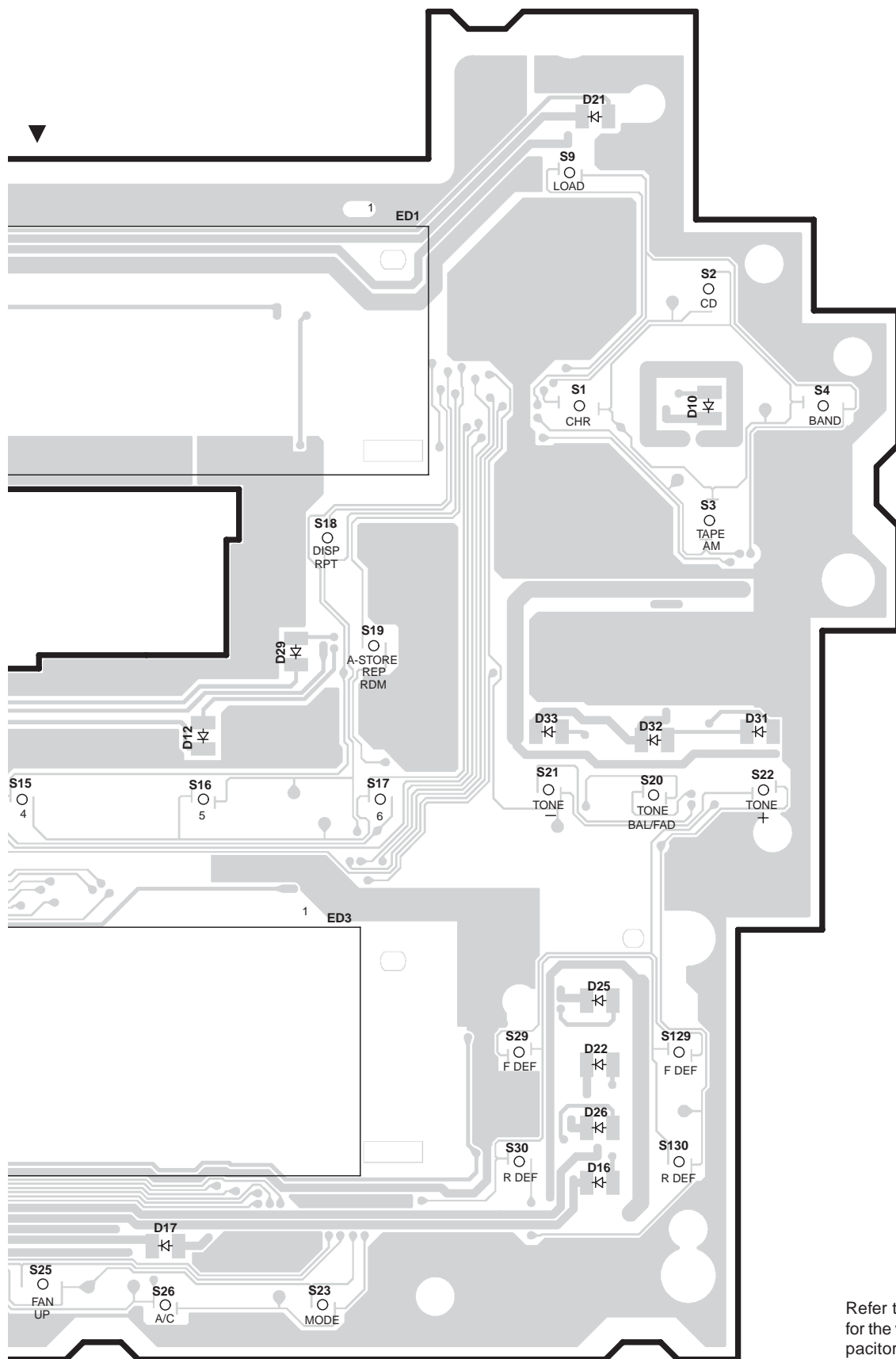
Ref No.	Address
IC1	4AQ
IC3	4AP
Q1	2AQ
Q2	2AQ
Q4	6AQ
Q5	6AQ
Q11	6AQ
Q12	6AQ
Q21	3AQ
Q22	3AQ
Q23	3AQ
Q24	3AQ
Q25	5AN
Q26	5AM
Q27	6AN
Q28	6AO
Q29	5AQ
Q30	6AQ
Q33	6AM
Q34	2AQ
Q35	6AM
Q36	5AP
Q37	5AP

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

GX-201KEF2/LEF2/REF2/SEF2

PC BOARD (COMPONENT SIDE VIEW)



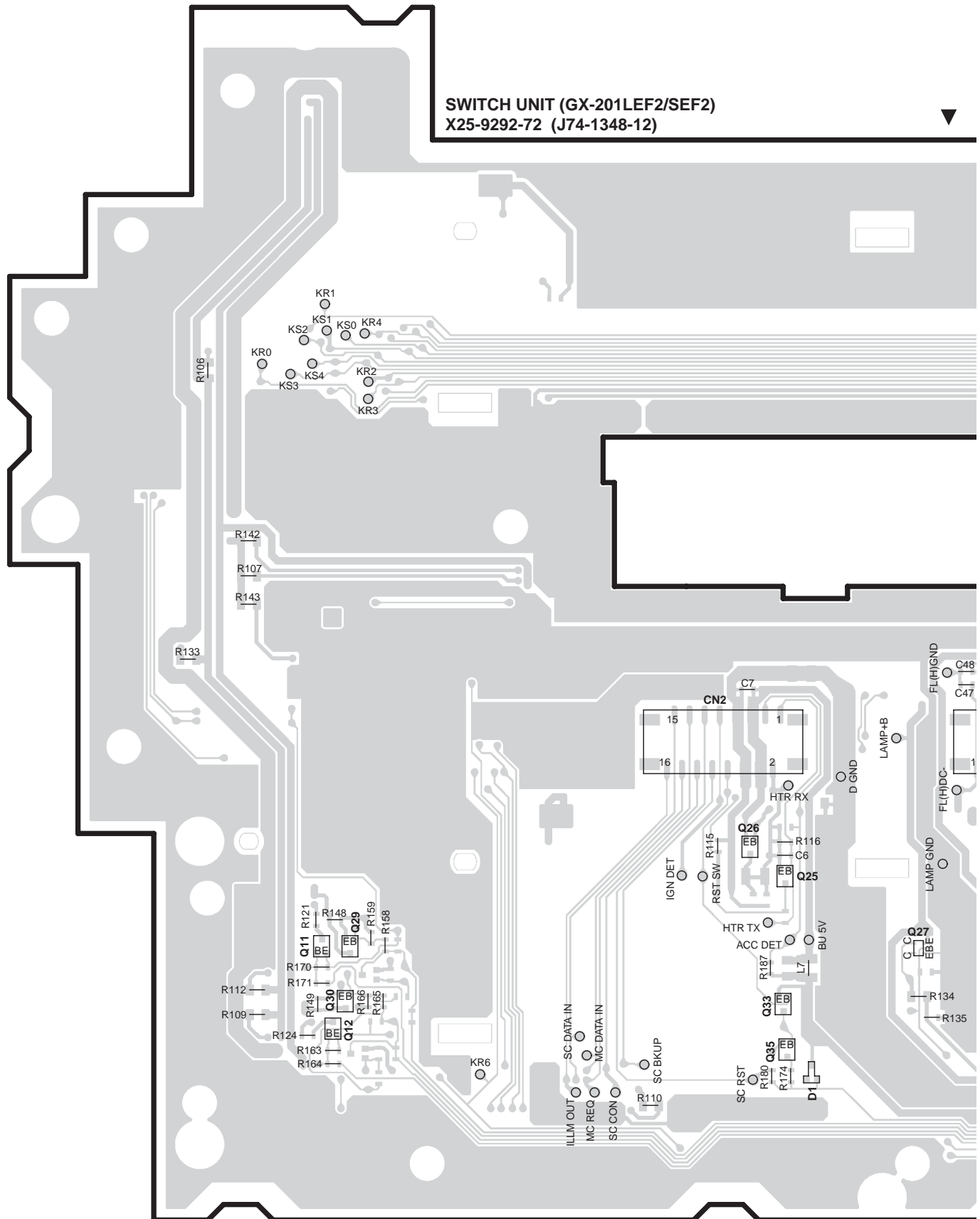


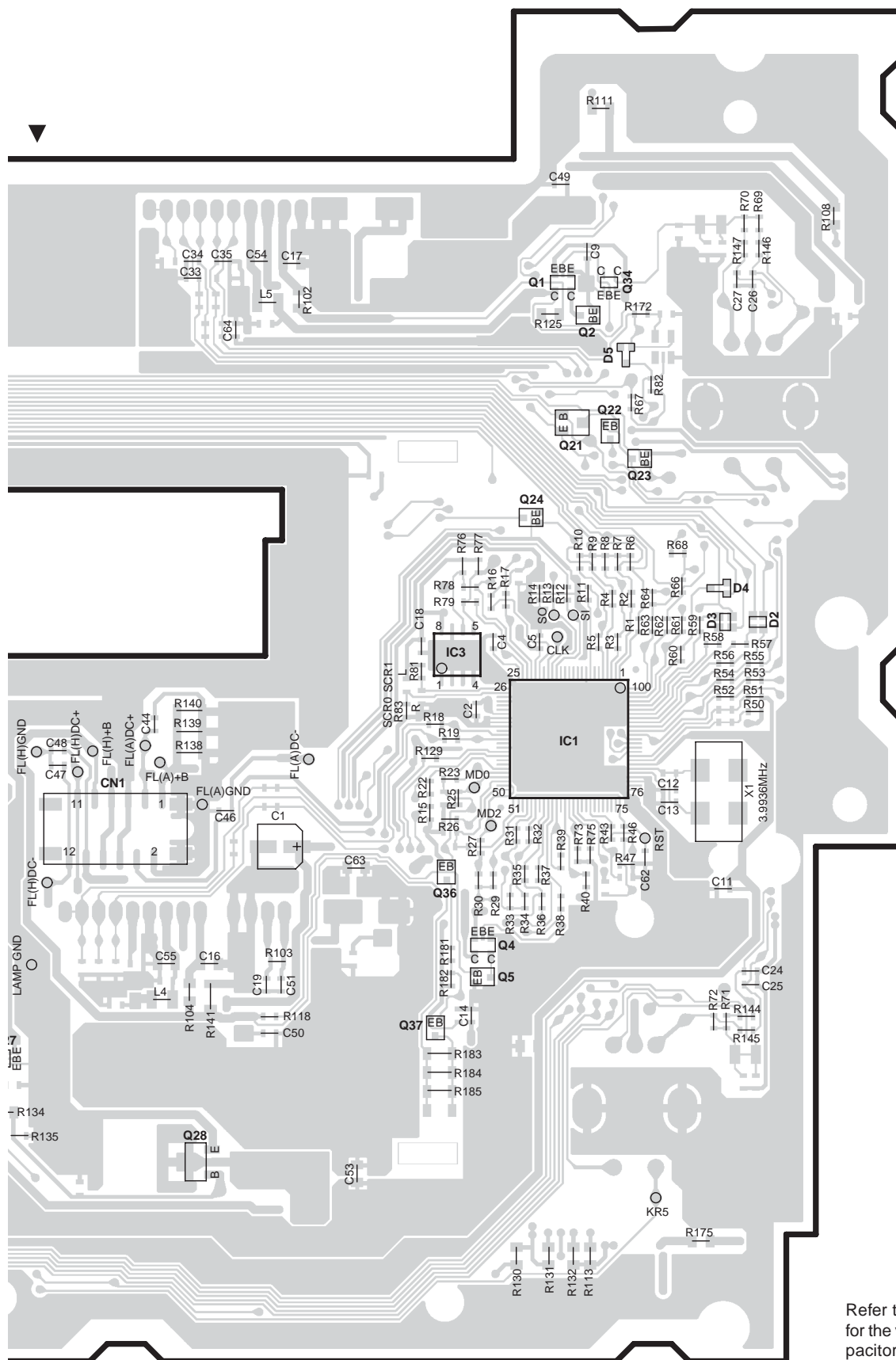
Refer to the schematic diagram for the values of resistors and capacitors.

GX-201KEF2/LEF2/REF2/SEF2

PC BOARD (FOIL SIDE VIEW)

SWITCH UNIT (GX-201LEF2/SEF2)
X25-9292-72 (J74-1348-12)



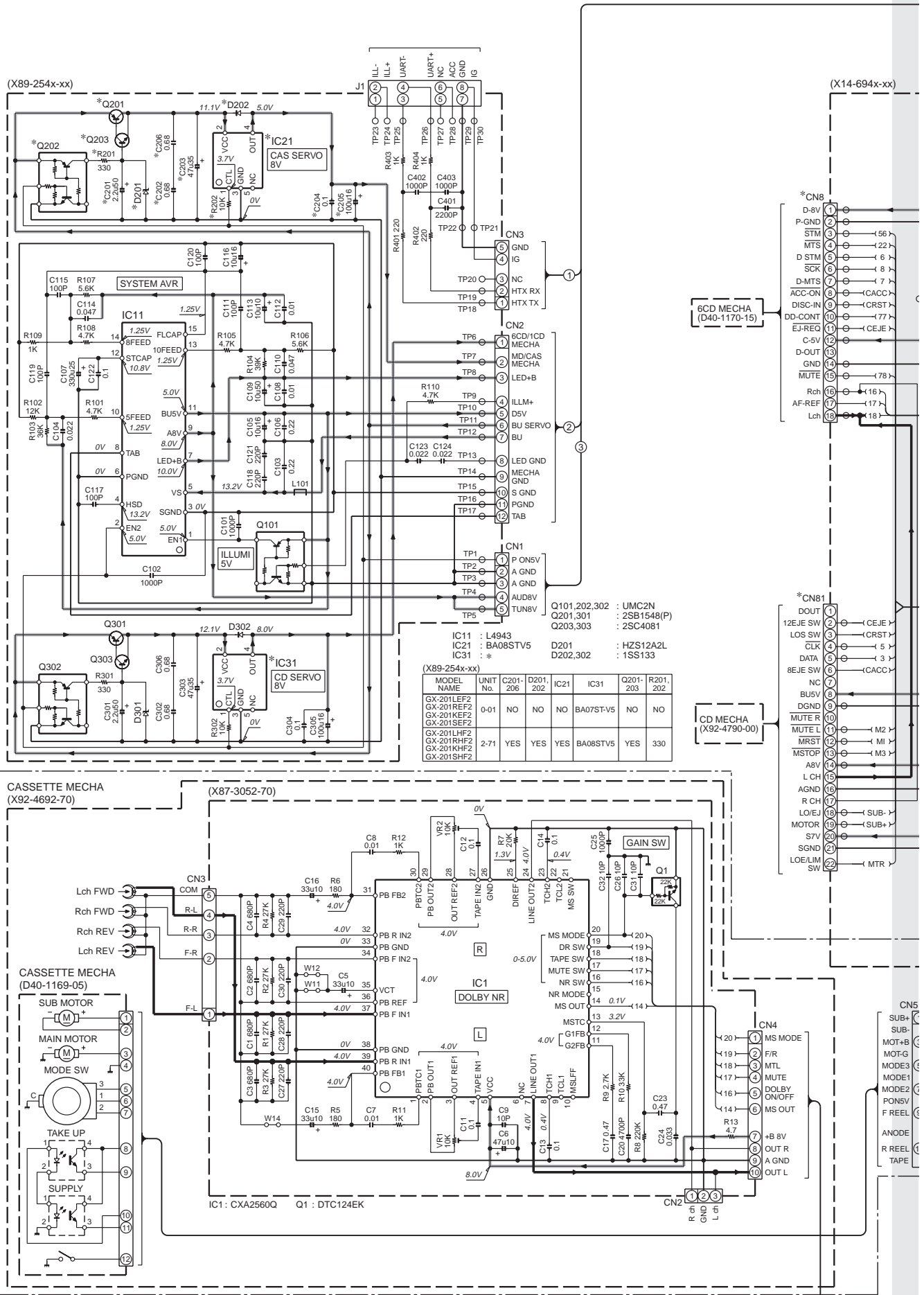


X25-9292-72

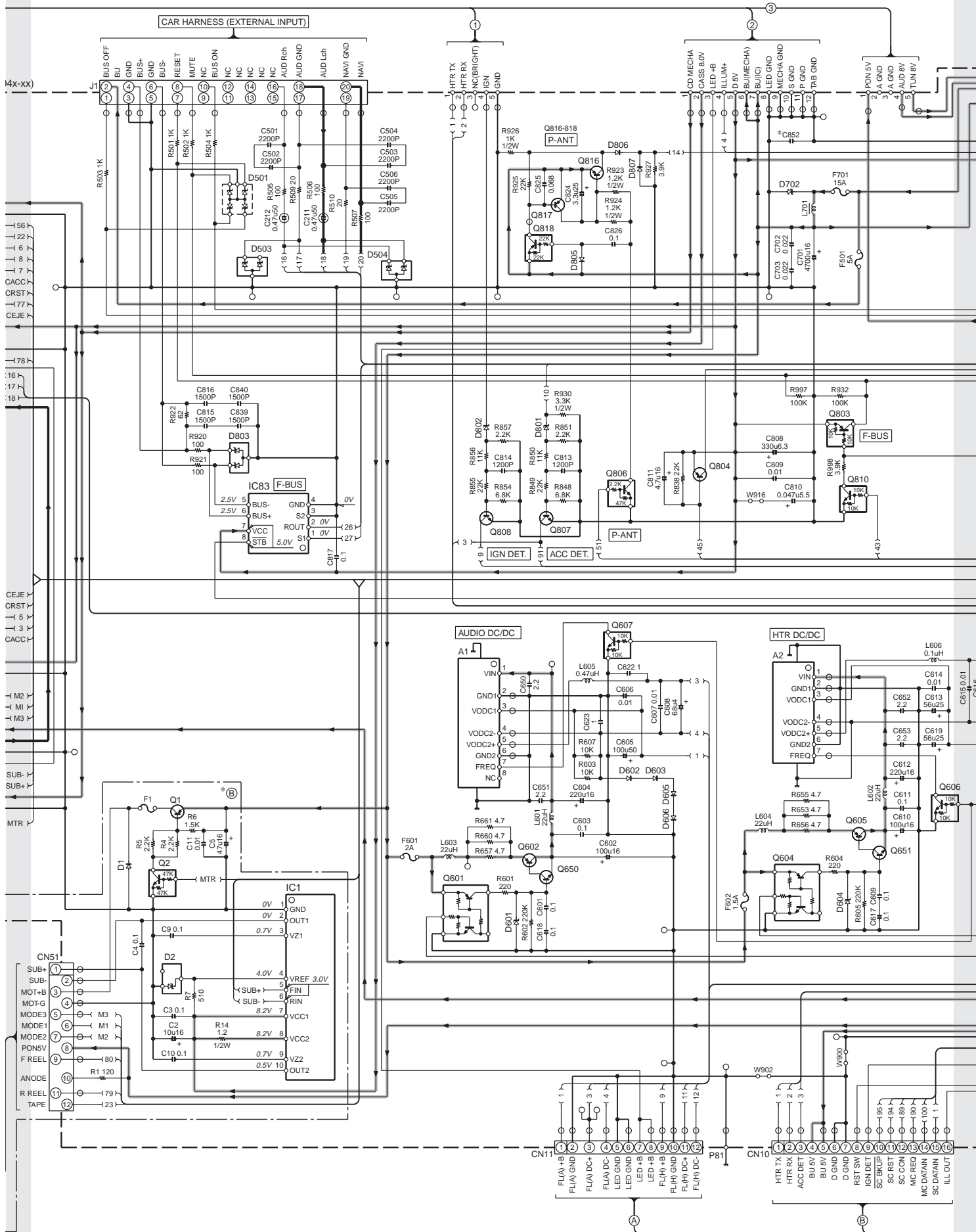
Ref No.	Address
IC1	4BK
IC3	4BJ
Q1	2BK
Q2	3BK
Q4	5BK
Q5	5BK
Q11	6BE
Q12	6BF
Q21	3BK
Q22	3BK
Q23	3BK
Q24	3BK
Q25	5BH
Q26	5BG
Q27	6BH
Q28	6BI
Q29	6BF
Q30	6BE
Q33	6BH
Q34	2BK
Q35	6BH
Q36	5BJ
Q37	6BJ

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

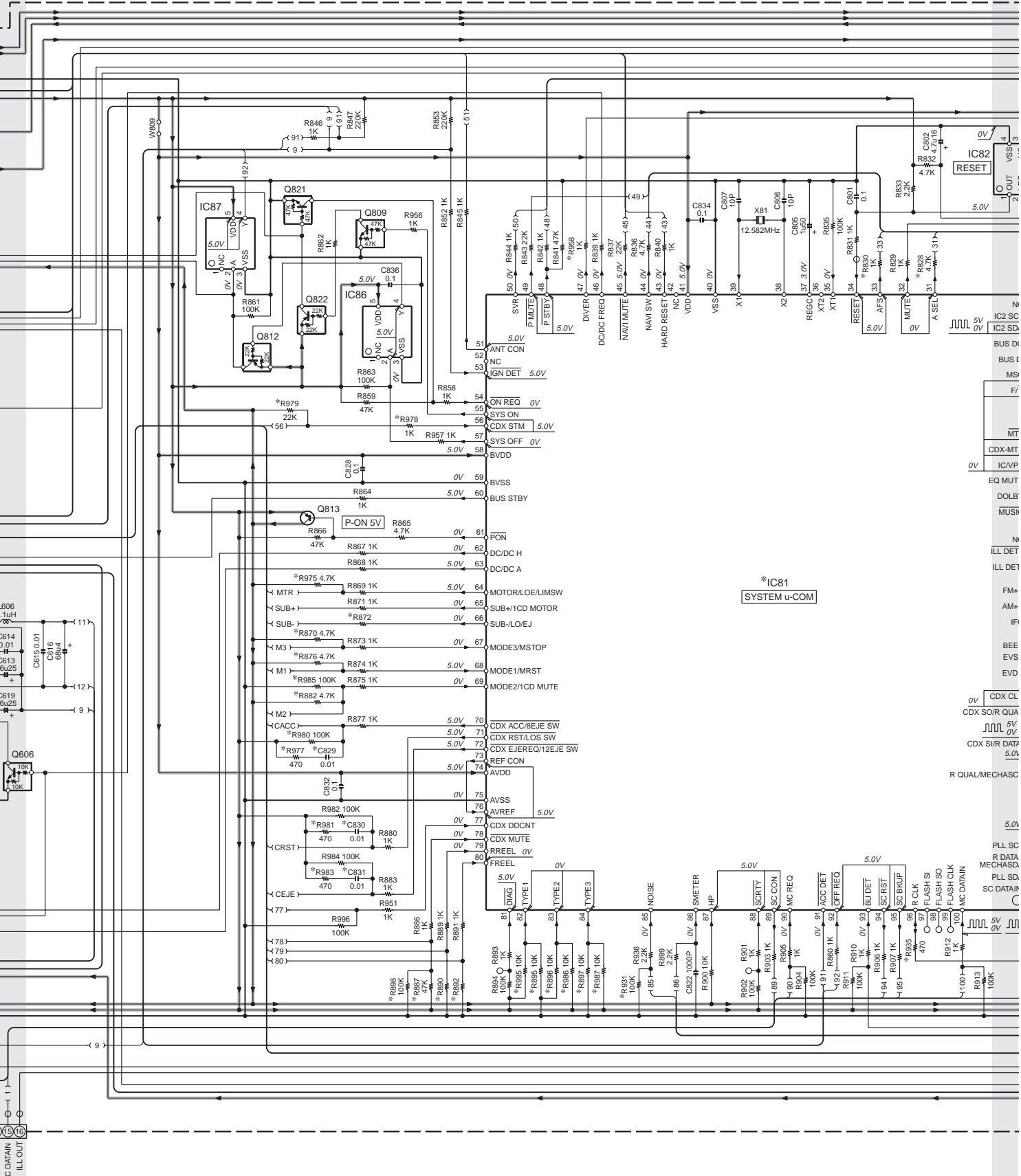
GX-201KEF2/LEF2/REF2/SEF2



GX-201KEF2/LEF2/REF2/SEF2

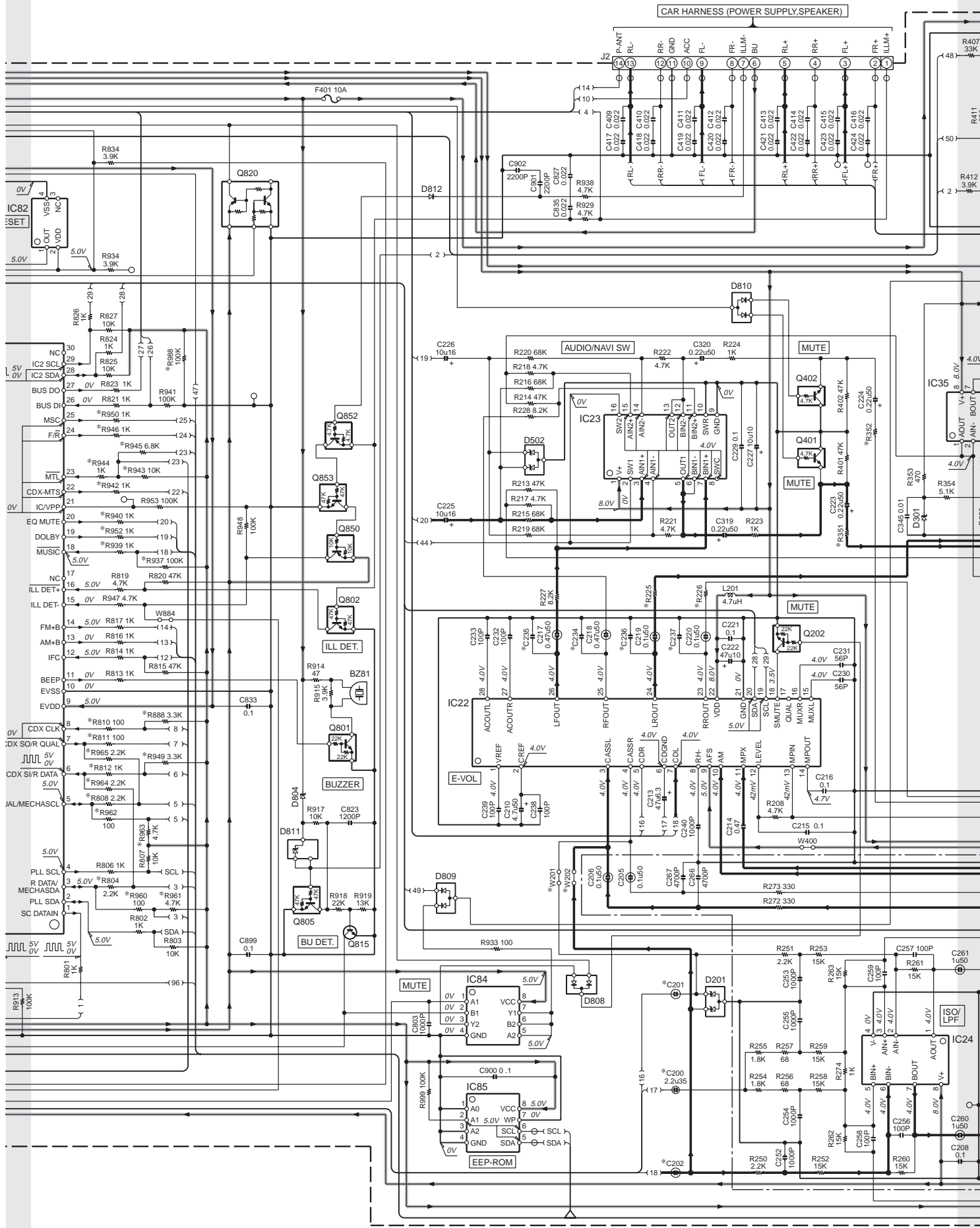


GX-201KEF2/LEF2/REF2/SEF2

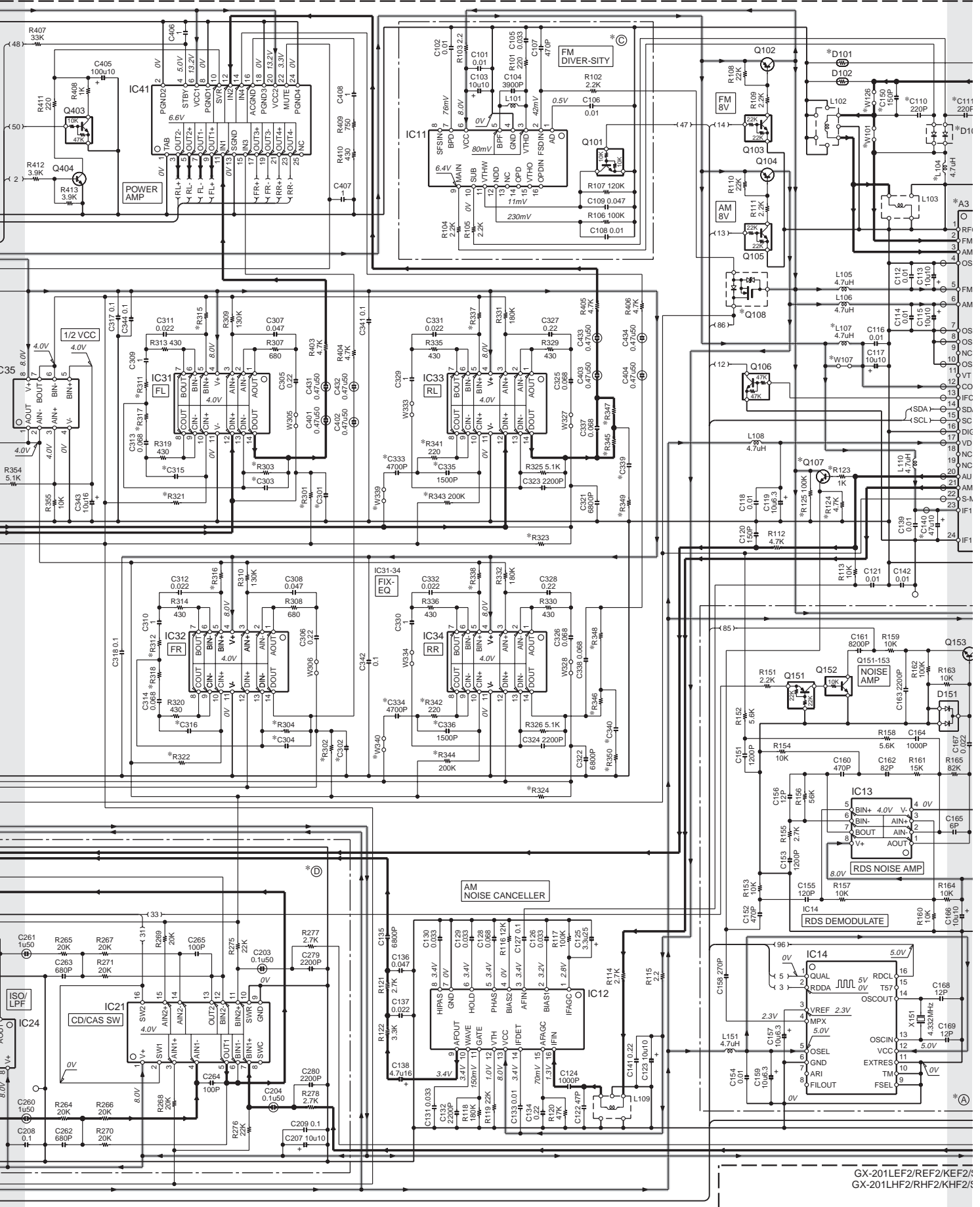


*IC81
SYSTEM u-COM

GX-201KEF2/LEF2/REF2/SEF2



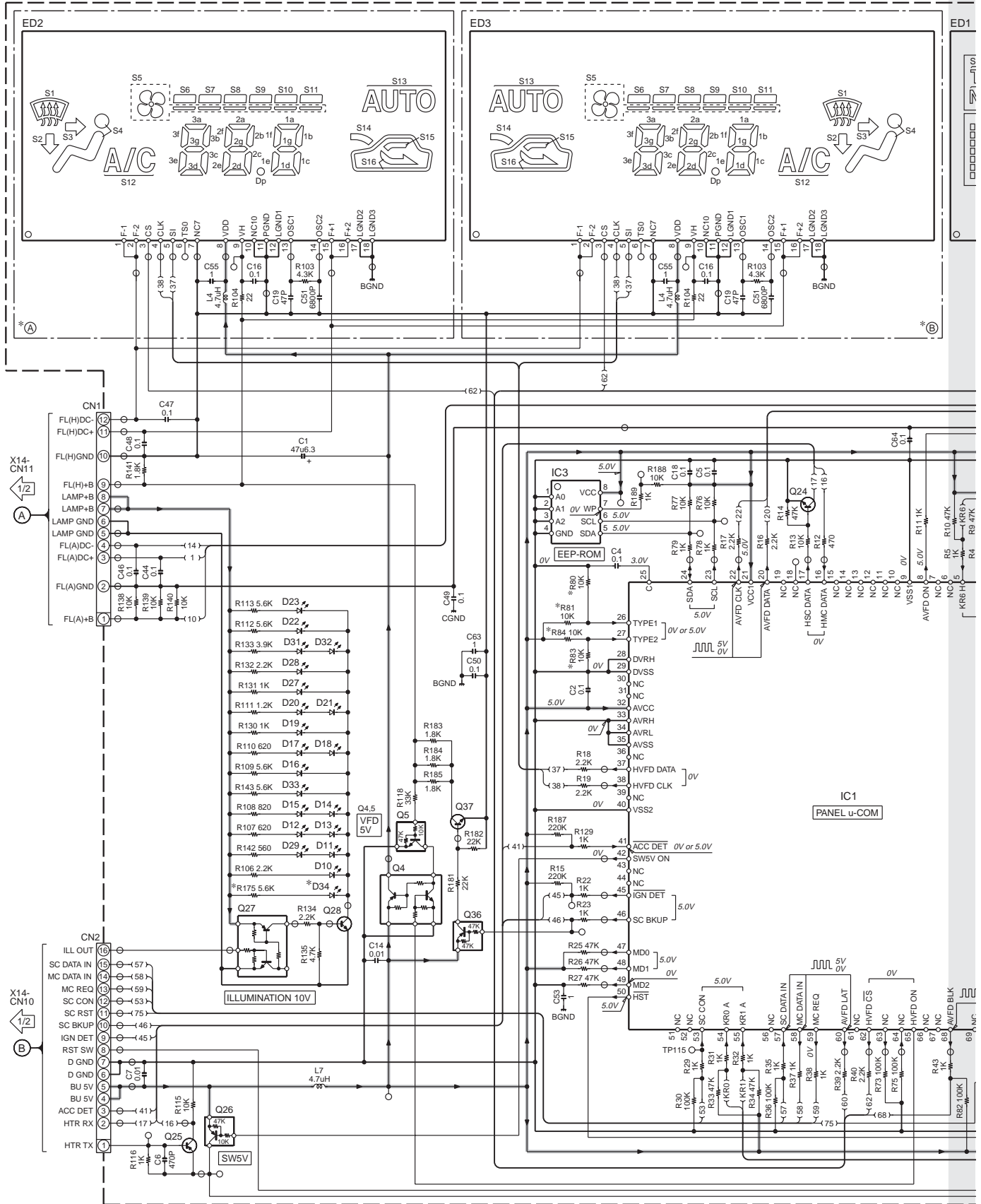
GX-201KEF2/LEF2/REF2/SEF2



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

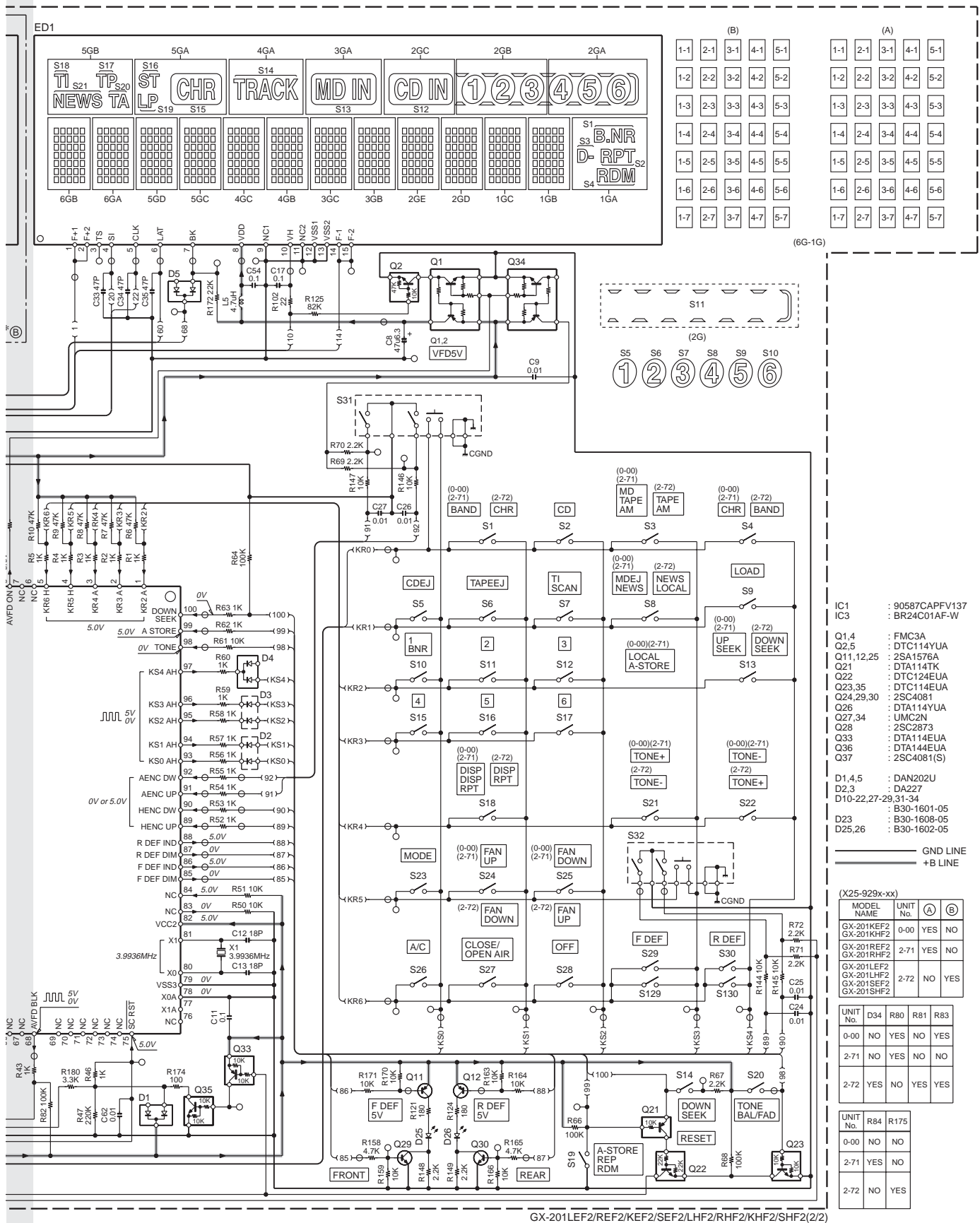
GX-201KEF2/LEF2/REF2/SEF2

(X25-929x-xx)



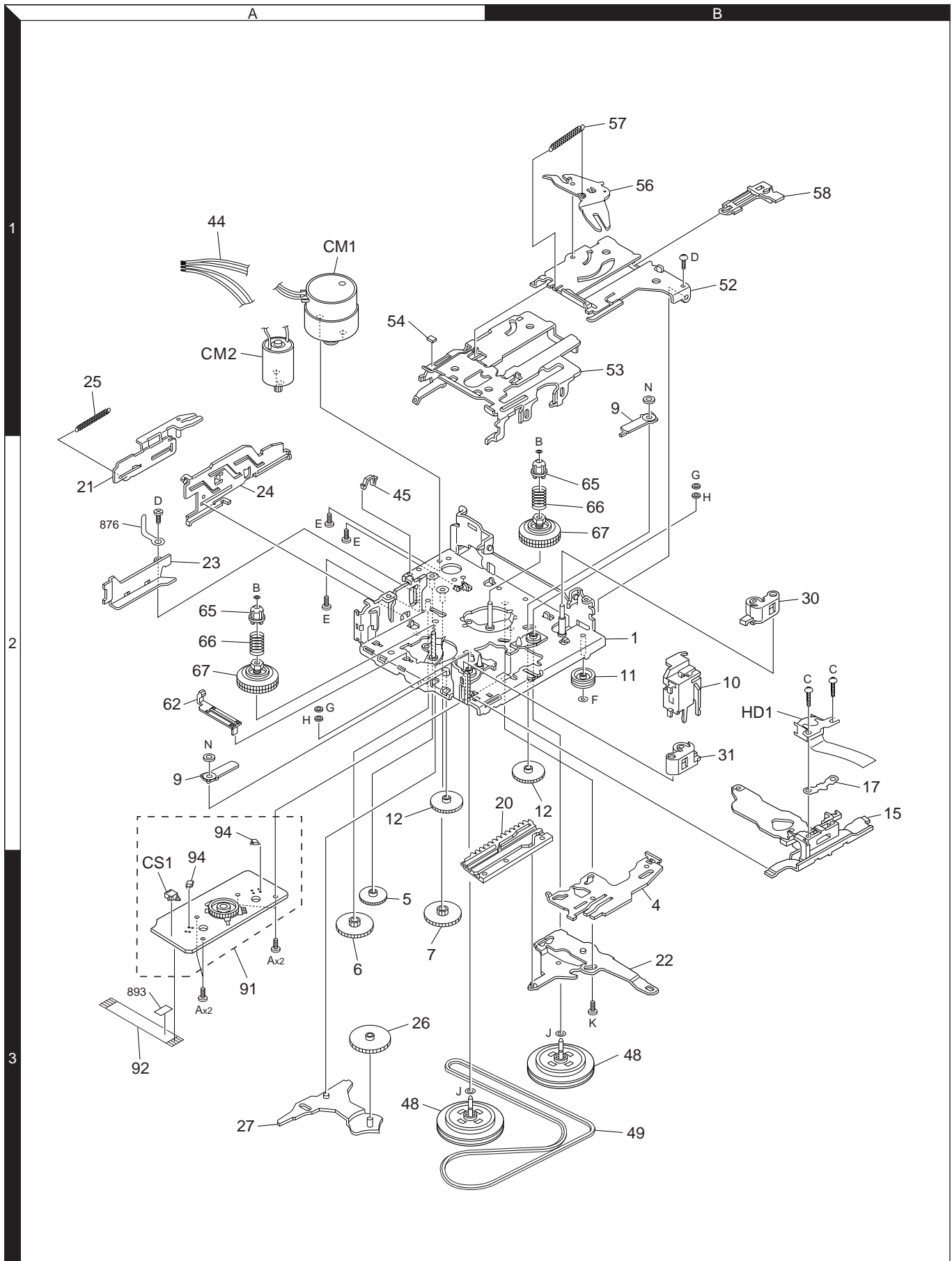
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

Δ 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.



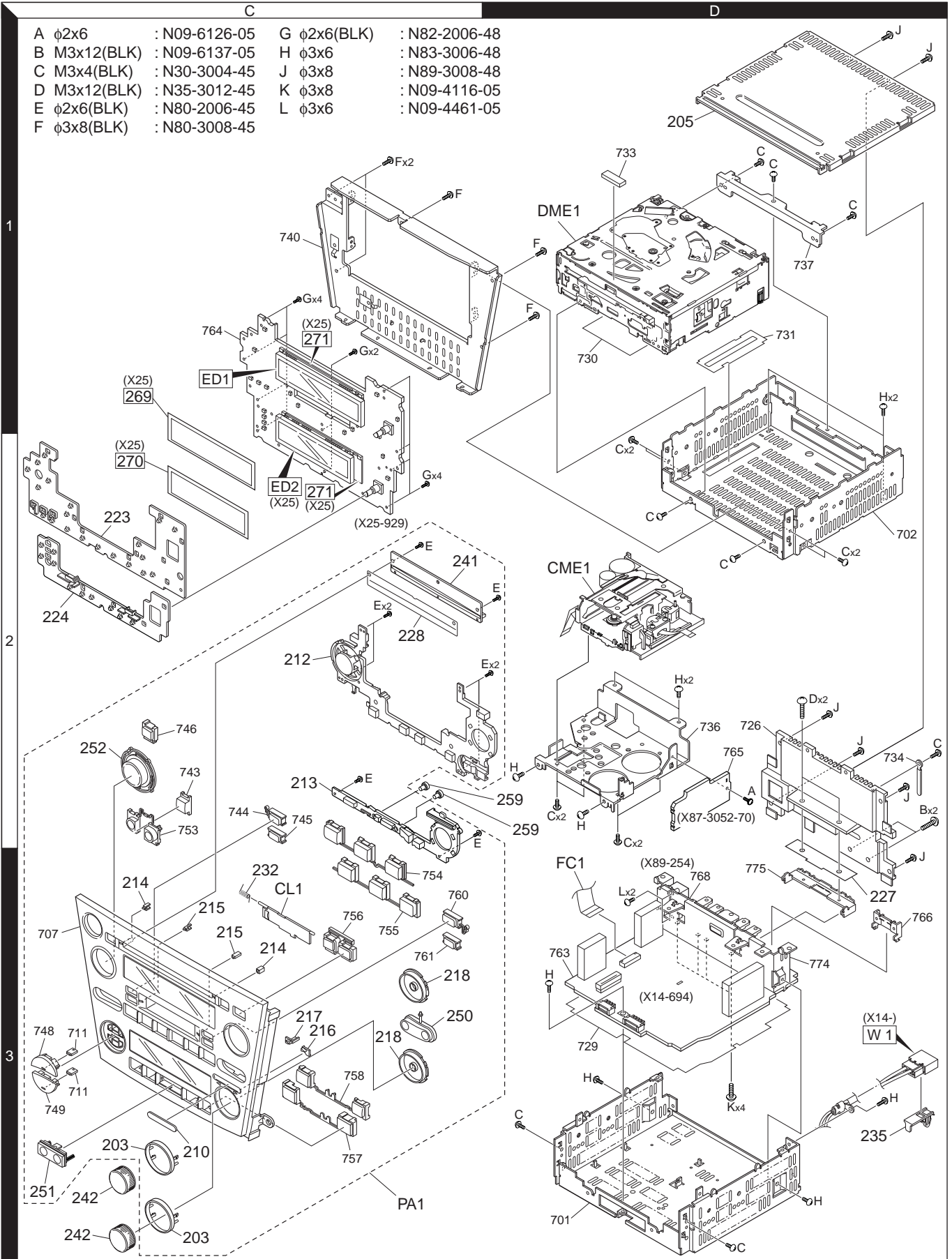
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

EXPLODED VIEW (CASSETTE MECHANISM)



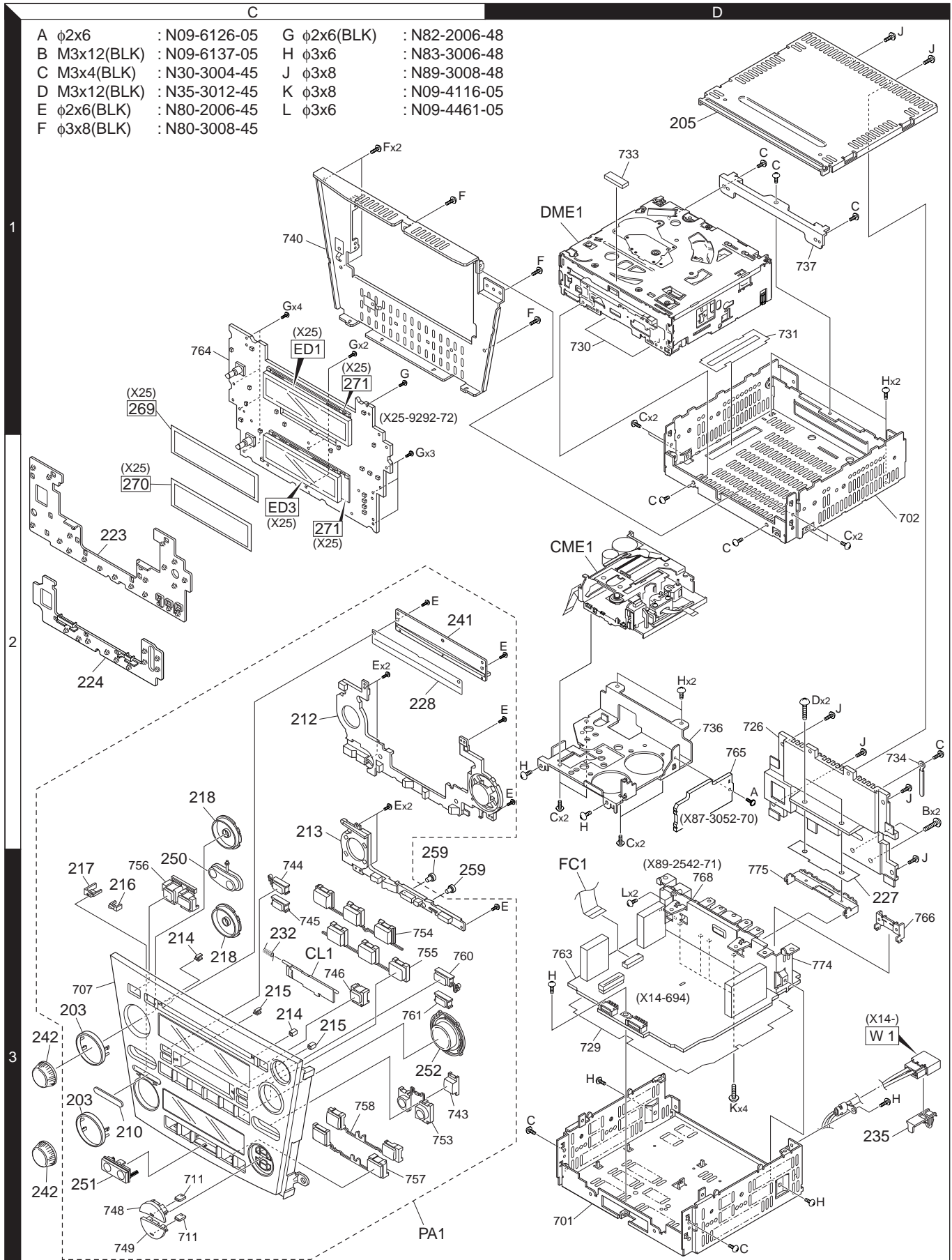
EXPLODED VIEW (GX-201KEF2/REF2 UNIT)

- | | | | |
|---------------------------|---------------|---------------------------|---------------|
| A $\phi 2 \times 6$ | : N09-6126-05 | 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-201LEF2/SEF2 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
GX-201KEF2/LEF2/REF2/SEF2					
203	3C	*	A21-4225-14	DRESSING PANEL	E2M1
203	3c	*	A21-4226-04	DRESSING PANEL	E1M4
205	1D	*	A52-0818-02	TOP PLATE	
CL1	3C	*	A53-1714-13	CASSETTE LID	E2
CL1	3C	*	A53-1716-03	CASSETTE LID	E1M1M4
PA1	3C	*	-	PANEL ASSY	E1
PA1	3C	*	-	PANEL ASSY	E2
PA1	3C	*	-	PANEL ASSY	M1
PA1	3C	*	-	PANEL ASSY	M4
210	3C	*	B12-1216-14	INDICATOR	
212	2C	*	B19-2166-42	LIGHTING BOARD	E2M1
212	2C	*	B19-2167-02	LIGHTING BOARD	E1M4
213	3C	*	B19-2169-43	LIGHTING BOARD	E2M1
213	3C	*	B19-2170-03	LIGHTING BOARD	E1M4
214	3C	*	B19-2171-04	LIGHTING BOARD (CD)	
215	3C	*	B19-2174-04	LIGHTING BOARD (CAS)	
216	3C	*	B19-2175-14	LIGHTING BOARD (TEMP-RED)	E2M1
216	3C	*	B19-2177-14	LIGHTING BOARD (TEMP-RED-L)	E1M4
217	3C	*	B19-2176-14	LIGHTING BOARD (TEMP-BLUE)	E2M1
217	3C	*	B19-2178-04	LIGHTING BOARD (TEMP-BLUE-L)	E1M4
218	3C	*	B19-2179-24	LIGHTING BOARD (VOL)	E2M1
218	3C	*	B19-2180-14	LIGHTING BOARD (VOL-L)	E1M4
CME1	2D		D40-1169-05	CASSETTE MECHANISM ASSY	
DME1	1D	*	D40-1170-15	6CD MECHANISM ASSY	
223	2C	*	E29-1898-02	CONDUCTIVE RUBBER	E2M1
223	2C	*	E29-1899-02	CONDUCTIVE RUBBER	E1M4
224	2C	*	E29-1900-22	CONDUCTIVE RUBBER	E2M1
224	2C	*	E29-1901-02	CONDUCTIVE RUBBER	E1M4
FC1	3D	*	E39-0472-05	FLAT CABLE	
227	2D	*	F09-1750-04	SHEET	
228	2C	*	F19-1390-04	BLIND PLATE	
232	3C	*	G01-3191-04	TORSION COIL SPRING	
235	3D	*	J19-5188-05	HOLDER	
241	3C	*	J90-1047-13	GUIDE	
242	3C	*	K23-1075-04	KNOB (VOL)	E1E2
242	3C	*	K23-1079-04	KNOB (VOL)	M1M4
250	3C	*	K25-1475-04	KNOB (TUNE/TRACK-R)	E2M1
250	3C	*	K25-1476-04	KNOB (TUNE/TRACK-L)	E1M4
251	3C	*	K25-1477-24	KNOB (FAN)	
252	3C	*	K25-1480-23	KNOB (CD/CHR/BAND/TAPE)	E2M1
252	3C	*	K25-1482-13	KNOB (CD/CHR/BAND/TAPE)	E1M4
259	3C	*	K29-7040-04	KNOB BASE	
A	2D	*	N09-6126-05	SEMS (TAPTITE SCREW) (2X6 PS)	
B	2D	*	N09-6137-05	MACHINE SCREW	
C	1D		N30-3004-45	PAN HEAD MACHINE SCREW	
C	1D		N30-3004-45	PAN HEAD MACHINE SCREW	
D	2D		N35-3012-45	BINDING HEAD MACHINE SCREW	
E	2C		N80-2006-45	PAN HEAD TAPTITE SCREW	
F	1C		N80-3008-45	PAN HEAD TAPTITE SCREW	
G	1C		N82-2006-48	BINDING HEAD TAPTITE SCREW	

Ref. No.	Add	New	Parts No.	Description	Destination
H	2D		N83-3006-48	PAN HEAD TAPTITE SCREW	
J	2D	*	N89-3008-48	BINDING HEAD TAPTITE SCREW	
SYNTHESIZER UNIT (X14-694x-xx)					
C2			C94-0058-05	ELECTRO 10UF 16WV	
C3,4			CK73GB1C104K	CHIP C 0.10UF K	
C3,4			CK73GB1H104K	CHIP C 0.10UF K	
C5		*	CD04AT1C470M	ELECTRO 47UF 16WV	
C11			CK73GB1H103K	CHIP C 0.010UF K	
C101,102			CK73GB1H103K	CHIP C 0.010UF K	M1
C103			C94-0056-05	ELECTRO 10UF 10WV	M1
C104			CK73GB1H392K	CHIP C 3900PF K	M1
C105			CK73GB1E333K	CHIP C 0.033UF K	M1
C105			CK73GB1H333K	CHIP C 0.033UF K	M1
C106			CK73GB1H103K	CHIP C 0.010UF K	M1
C107			CC73GCH1H471J	CHIP C 470PF J	M1
C108			CK73GB1H103K	CHIP C 0.010UF K	M1
C109			CK73GB1E473K	CHIP C 0.047UF K	M1
C109			CK73GB1H473K	CHIP C 0.047UF K	M1
C110,111			CC73GCH1H221J	CHIP C 220PF J	M1
C112			CK73GB1H103K	CHIP C 0.010UF K	
C113			C94-0056-05	ELECTRO 10UF 10WV	
C114			CK73GB1H103K	CHIP C 0.010UF K	
C115			C94-0056-05	ELECTRO 10UF 10WV	
C116			CK73GB1H103K	CHIP C 0.010UF K	
C117			C94-0056-05	ELECTRO 10UF 10WV	
C118			CK73GB1H103K	CHIP C 0.010UF K	
C119		*	CD04AT0J100M	ELECTRO 10UF 6.3WV	
C120			CC73GCH1H151J	CHIP C 150PF J	
C121			CK73GB1H103K	CHIP C 0.010UF K	
C122			CC73GCH1H470J	CHIP C 47PF J	
C123			C94-0056-05	ELECTRO 10UF 10WV	
C124			CK73GB1H102K	CHIP C 1000PF K	
C125		*	C94-0059-05	ELECTRO 3.3UF 25WV	
C126			CK73GB1E333K	CHIP C 0.033UF K	
C126			CK73GB1H333K	CHIP C 0.033UF K	
C127			CK73GB1C104K	CHIP C 0.10UF K	
C127			CK73GB1H104K	CHIP C 0.10UF K	
C128			CK73GB1C683K	CHIP C 0.068UF K	
C128			CK73GB1H683K	CHIP C 0.068UF K	
C129-131			CK73GB1E333K	CHIP C 0.033UF K	
C129-131			CK73GB1H333K	CHIP C 0.033UF K	
C132			CK73GB1H222K	CHIP C 2200PF K	
C133			CK73GB1H103K	CHIP C 0.010UF K	
C134			CK73GB1A224K	CHIP C 0.22UF K	
C135			CK73GB1H682K	CHIP C 6800PF K	
C136			CK73GB1E473K	CHIP C 0.047UF K	
C136			CK73GB1H473K	CHIP C 0.047UF K	
C137			CK73GB1E223K	CHIP C 0.022UF K	
C137			CK73GB1H223K	CHIP C 0.022UF K	
C138			C94-0057-05	ELECTRO 4.7UF 16WV	
C139			CK73GB1H103K	CHIP C 0.010UF K	
C140		*	CD04AT1A470M	ELECTRO 47UF 10WV	E1E2
C141			CK73GB1A224K	CHIP C 0.22UF K	
C142			CK73GB1H103K	CHIP C 0.010UF K	

E1 : GX-201LEF2 E2 : GX-201REF2
M1 : GX-201KEF2 M4 : GX-201SEF2

△ Indicates safety critical components.

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.

SYNTHESIZER UNIT (X14-694x-xx)

Ref. No.	A d	N e w	Parts No.	Description	Desti- nation
C150			CC73GCH1H151J	CHIP C 150PF J	E1E2
C151			CK73GB1H122K	CHIP C 1200PF K	E1E2
C152			CC73GCH1H471J	CHIP C 470PF J	E1E2
C153			CK73GB1H122K	CHIP C 1200PF K	E1E2
C154			CK73GB1H103K	CHIP C 0.010UF K	E1E2
C155			CC73GCH1H121J	CHIP C 120PF J	E1E2
C156			CC73GCH1H120J	CHIP C 12PF J	E1E2
C157		*	CD04AT0J100M	ELECTRO 10UF 6.3WV	E1E2
C158			CC73GCH1H271J	CHIP C 270PF J	E1E2
C159		*	CD04AT0J100M	ELECTRO 10UF 6.3WV	E1E2
C160			CC73GCH1H471J	CHIP C 470PF J	E1E2
C161			CK73GB1H822K	CHIP C 8200PF K	E1E2
C162			CC73GCH1H820J	CHIP C 82PF J	E1E2
C163			CK73GB1H222K	CHIP C 2200PF K	E1E2
C164			CK73GB1H102K	CHIP C 1000PF K	E1E2
C165			CC73GCH1H060D	CHIP C 6.0PF D	E1E2
C166			C94-0056-05	ELECTRO 10UF 10WV	E1E2
C167			CK73GB1E223K	CHIP C 0.022UF K	E1E2
C167			CK73GB1H223K	CHIP C 0.022UF K	E1E2
C168,169			CC73GCH1H120J	CHIP C 12PF J	E1E2
C200		*	C92-1798-05	ELECTRO 2.2UF 35WV	
C201,202		*	C92-1797-05	ELECTRO 1UF 35WV	
C203-206		*	CD04AX1H0R1M	ELECTRO 0.1UF 50WV	
C207			C92-0667-05	ELECTRO 10UF 10WV	
C208,209			CK73GB1C104K	CHIP C 0.10UF K	
C208,209			CK73GB1H104K	CHIP C 0.10UF K	
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		*	CD04AX1H0R1M	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	
C234,235			CK73GB1E223K	CHIP C 0.022UF K	
C234,235			CK73GB1H223K	CHIP C 0.022UF K	
C236,237			CK73GB1H682K	CHIP C 6800PF K	
C238,239			CC73GCH1H101J	CHIP C 100PF J	
C240			CK73GB1H102K	CHIP C 1000PF K	
C252-255			CK73GB1H102K	CHIP C 1000PF K	
C256-259			CC73GCH1H101J	CHIP C 100PF J	
C260,261		*	CD04AX1H010M	ELECTRO 1UF 50WV	
C262,263			CC73GCH1H681J	CHIP C 680PF J	
C264,265			CC73GCH1H101J	CHIP C 100PF J	
C266,267			CK73GB1H472K	CHIP C 4700PF K	

Ref. No.	A d	N e w	Parts No.	Description	Desti- nation
C279,280			CK73GB1H222K	CHIP C 2200PF K	
C301,302			CK73GB1H332K	CHIP C 3300PF K	
C303,304			CK73GB1H152K	CHIP C 1500PF 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			CK73GB1A224K	CHIP C 0.22UF 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	
C333,334			CK73GB1H472K	CHIP C 4700PF K	
C335,336			CK73GB1H152K	CHIP C 1500PF K	
C337,338			CK73GB1C683K	CHIP C 0.068UF K	
C337,338			CK73GB1H683K	CHIP C 0.068UF K	
C339,340			CK73GB1A334K	CHIP C 0.33UF K	
C341,342			CK73GB1C104K	CHIP C 0.10UF K	
C341,342			CK73GB1H104K	CHIP C 0.10UF K	
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	CHIP C 1UF J	
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	

E1 : GX-201LEF2 E2 : GX-201REF2
M1 : GX-201KEF2 M4 : GX-201SEF2

△ Indicates safety critical components.

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.

SYNTHESIZER UNIT (X14-694x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
C614,615			CK73GB1H103K	CHIP C 0.010UF K		F601			F53-0215-05	FUSE	
C616		*	CD04BH0G680M	ELECTRO 68UF 4WV		F602			F53-0198-05	FUSE	
C617,618			CK73FB1H104K	CHIP C 0.10UF K	△	F701		*	F53-0276-05	FUSE	
C619			C90-5244-05	ELECTRO 56UF 25WV		L101			L33-1031-05	SMALL FIXED INDUCTOR	M1
C622			CK73FB1C105K	CHIP C 1.0UF K		L102		*	L39-1055-05	TRAP COIL	
C623			CK73GB0J105K	CHIP C 1.0UF K		L103			L33-1123-05	LINE FILTER COIL	
C650-653			CK73EB1C225K	CHIP C 2.2UF K		L104-108			L40-4792-78	SMALL FIXED INDUCTOR (4.7UH)	M1
C701		*	C90-5628-05	ELECTRO 4700UF 16WV		L105,106			L40-4792-78	SMALL FIXED INDUCTOR (4.7UH)	E1E2M4
C702,703			CK73GB1E223K	CHIP C 0.022UF K		L108			L40-4792-78	SMALL FIXED INDUCTOR (4.7UH)	E1E2M4
C702,703			CK73GB1H223K	CHIP C 0.022UF K		L109			L39-0131-05	TRAP COIL	
C801			CK73GB1C104K	CHIP C 0.10UF K		L110			L40-4792-78	SMALL FIXED INDUCTOR (4.7UH)	
C801			CK73GB1H104K	CHIP C 0.10UF K		L151			L40-4792-78	SMALL FIXED INDUCTOR (4.7UH)	E1E2
C802			C94-0057-05	ELECTRO 4.7UF 16WV		L201			L40-4792-78	SMALL FIXED INDUCTOR (4.7UH)	
C803			CK73GB1H102K	CHIP C 1000PF K		L601		*	L33-1852-05	SMALL FIXED INDUCTOR	
C805			C94-0065-05	ELECTRO 1UF 50WV		L602			L33-1029-05	SMALL FIXED INDUCTOR	
C806,807			CC73GCH1H100D	CHIP C 10PF D		L603		*	L33-1852-05	SMALL FIXED INDUCTOR	
C808		*	CD04AT0J331M	ELECTRO 330UF 6.3WV		L604			L33-1029-05	SMALL FIXED INDUCTOR	
C809			CK73GB1H103K	CHIP C 0.010UF K		L605			L40-4785-85	SMALL FIXED INDUCTOR (0.47UH)	
C810		*	C94-0201-05	ELECTRO 0.047F 5.5WV		L606			L40-1085-85	SMALL FIXED INDUCTOR	
C811			C94-0057-05	ELECTRO 4.7UF 16WV		L701			L33-1082-05	CHOKE COIL	
C813,814			CK73GB1H122K	CHIP C 1200PF K		X81		*	L77-2830-05	CRYSTAL RESONATOR (12.582MHZ)	
C815,816			CK73GB1H152K	CHIP C 1500PF K		X151			L77-2002-05	CRYSTAL RESONATOR	E1E2
C817			CK73GB1C104K	CHIP C 0.10UF K		K	3D		N09-4116-05	TAPTITE SCREW (3X8 PB)	
C817			CK73GB1H104K	CHIP C 0.10UF K		R1			RK73GB2A121J	CHIP R 120 J 1/10W	
C822			CK73GB1H102K	CHIP C 1000PF K		R4,5			RK73EB2E222J	CHIP R 2.2K J 1/4W	
C823			CK73GB1H122K	CHIP C 1200PF K		R6			RK73FB2B152J	CHIP R 1.5K J 1/8W	
C824		*	C94-0059-05	ELECTRO 3.3UF 25WV		R7			RK73GB2A511J	CHIP R 510 J 1/10W	
C827			CK73GB1E223K	CHIP C 0.022UF K		R14			RD14DB2H1R2J	SMALL-RD 1.2 J 1/2W	
C827			CK73GB1H223K	CHIP C 0.022UF K		R101			RK73GB2A221J	CHIP R 220 J 1/10W	M1
C828			CK73GB1C104K	CHIP C 0.10UF K		R102			RK73GB2A222J	CHIP R 2.2K J 1/10W	M1
C832-834			CK73GB1H104K	CHIP C 0.10UF K		R103			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	M1
C832-834			CK73GB1H104K	CHIP C 0.10UF K		R104,105			RK73GB2A222J	CHIP R 2.2K J 1/10W	M1
C835			CK73GB1E223K	CHIP C 0.022UF K		R106			RK73GB2A104J	CHIP R 100K J 1/10W	M1
C835			CK73GB1H223K	CHIP C 0.022UF K		R107			RK73GB2A124J	CHIP R 120K J 1/10W	M1
C836			CK73GB1C104K	CHIP C 0.10UF K		R108			RK73GB2A223J	CHIP R 22K J 1/10W	
C836			CK73GB1H104K	CHIP C 0.10UF K		R109			RK73GB2A222J	CHIP R 2.2K J 1/10W	
C839,840			CK73GB1H152K	CHIP C 1500PF K		R110			RK73GB2A223J	CHIP R 22K J 1/10W	
C852			CK73GB1H102K	CHIP C 1000PF K		R111			RK73GB2A222J	CHIP R 2.2K J 1/10W	
C899,900			CK73GB1C104K	CHIP C 0.10UF K		R112			RK73GB2A472J	CHIP R 4.7K J 1/10W	
C899,900			CK73GB1H104K	CHIP C 0.10UF K		R113			RK73GB2A103J	CHIP R 10K J 1/10W	
C901,902			CK73GB1H222K	CHIP C 2200PF K		R114			RK73GB2A272J	CHIP R 2.7K J 1/10W	
CN8			E40-9459-05	FLAT CABLE CONNECTOR		R115			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	
CN10		*	E41-0280-05	SOCKET FOR PIN ASSY		R116			RK73GB2A123J	CHIP R 12K J 1/10W	
CN11		*	E41-0279-05	SOCKET FOR PIN ASSY		R117			RK73GB2A104J	CHIP R 100K J 1/10W	
CN51			E40-5036-05	FLAT CABLE CONNECTOR		R118			RK73GB2A184J	CHIP R 180K J 1/10W	
CN52			E40-5451-05	PIN ASSY		R119			RK73GB2A223J	CHIP R 22K J 1/10W	
J1		*	E58-0930-05	RECTANGULAR RECEPTACLE		R120			RK73GB2A473J	CHIP R 47K J 1/10W	
△ J2			E58-0833-05	RECTANGULAR RECEPTACLE		R121			RK73GB2A272J	CHIP R 2.7K J 1/10W	
W1		*	E30-6235-05	CORD WITH PLUG	M1	R122			RK73GB2A332J	CHIP R 3.3K J 1/10W	E1E2
W1		*	E30-6236-05	CORD WITH PLUG	E1E2M4	R123			RK73GB2A102J	CHIP R 1.0K J 1/10W	E1E2
F1			F53-0198-05	FUSE		R124			RK73GB2A472J	CHIP R 4.7K J 1/10W	E1E2
△ F401			F53-0167-05	FUSE		R125			RK73GB2A104J	CHIP R 100K J 1/10W	M1
△ F501			F53-0166-05	FUSE		R151			RK73GB2A222J	CHIP R 2.2K J 1/10W	E1E2

E1 : GX-201LEF2 E2 : GX-201REF2
M1 : GX-201KEF2 M4 : GX-201SEF2

△ Indicates safety critical components.

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.

SYNTHESIZER UNIT (X14-694x-xx)

Ref. No.	A d	N e w	Parts No.	Description	Desti- nation
R152			RK73GB2A562J	CHIP R 5.6K J 1/10W	E1E2
R153,154			RK73GB2A103J	CHIP R 10K J 1/10W	E1E2
R155			RK73GB2A272J	CHIP R 2.7K J 1/10W	E1E2
R156			RK73GB2A563J	CHIP R 56K J 1/10W	E1E2
R157			RK73GB2A103J	CHIP R 10K J 1/10W	E1E2
R158			RK73GB2A562J	CHIP R 5.6K J 1/10W	E1E2
R159,160			RK73GB2A103J	CHIP R 10K J 1/10W	E1E2
R161			RK73GB2A153J	CHIP R 15K J 1/10W	E1E2
R162			RK73GB2A104J	CHIP R 100K J 1/10W	E1E2
R163,164			RK73GB2A103J	CHIP R 10K J 1/10W	E1E2
R165			RK73GB2A823J	CHIP R 82K J 1/10W	E1E2
R166			RK73GB2A220J	CHIP R 22 J 1/10W	E1E2
R208			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R213,214			RK73GB2A473J	CHIP R 47K J 1/10W	
R215,216			RK73GB2A683J	CHIP R 68K J 1/10W	
R217,218			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R219,220			RK73GB2A683J	CHIP R 68K J 1/10W	
R221,222			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R223,224			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R225,226			RK73GB2A182J	CHIP R 1.8K J 1/10W	
R227,228			RK73GB2A822J	CHIP R 8.2K J 1/10W	
R250,251			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R252,253			RK73GB2A153J	CHIP R 15K J 1/10W	
R254,255			RK73GB2A182J	CHIP R 1.8K J 1/10W	
R256,257		*	RK73GB2A680J	CHIP R 68 J 1/10W	
R258-263			RK73GB2A153J	CHIP R 15K J 1/10W	
R264-271			RK73GB2A203J	CHIP R 20K J 1/10W	
R272,273			RK73GB2A331J	CHIP R 330 J 1/10W	
R274			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R275,276			RK73GB2A223J	CHIP R 22K J 1/10W	
R277,278			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R301,302			RK73GB2A223J	CHIP R 22K J 1/10W	
R303,304			RK73GB2A432J	CHIP R 4.3K J 1/10W	
R307,308			RK73GB2A681J	CHIP R 680 J 1/10W	
R309,310			RK73GB2A134J	CHIP R 130K J 1/10W	
R311,312			RK73GB2A131J	CHIP R 130 J 1/10W	
R313,314			RK73GB2A431J	CHIP R 430 J 1/10W	
R315,316			RK73GB2A514J	CHIP R 510K J 1/10W	
R317,318			RK73GB2A241J	CHIP R 240 J 1/10W	
R319,320			RK73GB2A431J	CHIP R 430 J 1/10W	
R321,322			RK73GB2A752J	CHIP R 7.5K J 1/10W	
R323,324			RK73GB2A153J	CHIP R 15K J 1/10W	
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	
R335,336			RK73GB2A431J	CHIP R 430 J 1/10W	
R337,338			RK73GB2A514J	CHIP R 510K J 1/10W	
R341,342			RK73GB2A221J	CHIP R 220 J 1/10W	
R343,344			RK73GB2A204J	CHIP R 200K J 1/10W	
R345,346			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R347,348			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R349,350			RK73GB2A242J	CHIP R 2.4K J 1/10W	
R351,352			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R353			RK73GB2A471J	CHIP R 470 J 1/10W	
R354			RK73GB2A512J	CHIP R 5.1K J 1/10W	

Ref. No.	A d	N e w	Parts No.	Description	Desti- nation
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	
R804			RK73GB2A222J	CHIP R 2.2K J 1/10W	E1E2
R806			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R807			RK73GB2A103J	CHIP R 10K J 1/10W	
R808			RK73GB2A222J	CHIP R 2.2K J 1/10W	E1E2
R810,811			RK73GB2A101J	CHIP R 100 J 1/10W	
R812-814			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	
R828			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R829			RK73GB2A102J	CHIP R 1.0K J 1/10W	M1M4
R829-831			RK73GB2A102J	CHIP R 1.0K J 1/10W	E1E2
R831			RK73GB2A102J	CHIP R 1.0K J 1/10W	M1M4
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	
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	

E1 : GX-201LEF2 E2 : GX-201REF2
M1 : GX-201KEF2 M4 : GX-201SEF2

△ Indicates safety critical components.

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.

SYNTHESIZER UNIT (X14-694x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
R849			RK73GB2A223J	CHIP R 22K J 1/10W		R920,921			RK73EB2E101J	CHIP R 100 J 1/4W	
R850			RK73GB2A113J	CHIP R 11K J 1/10W		R922			RK73EB2E620J	CHIP R 62 J 1/4W	
R851			RK73GB2A222J	CHIP R 2.2K J 1/10W		R923,924			RD14DB2H122J	SMALL-RD 1.2K J 1/2W	
R852			RK73GB2A102J	CHIP R 1.0K J 1/10W		R925			RK73GB2A223J	CHIP R 22K J 1/10W	
R853			RK73GB2A224J	CHIP R 220K J 1/10W		R926			RD14DB2H102J	SMALL-RD 1.0K J 1/2W	
R854			RK73GB2A682J	CHIP R 6.8K J 1/10W		R927			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R855			RK73GB2A223J	CHIP R 22K J 1/10W		R929			RK73EB2E472J	CHIP R 4.7K J 1/4W	
R856			RK73GB2A113J	CHIP R 11K J 1/10W		R930			RD14DB2H332J	SMALL-RD 3.3K J 1/2W	
R857			RK73GB2A222J	CHIP R 2.2K J 1/10W		R931,932			RK73GB2A104J	CHIP R 100K J 1/10W	M1M4
R858			RK73GB2A102J	CHIP R 1.0K J 1/10W		R932			RK73GB2A104J	CHIP R 100K J 1/10W	E1E2
R859			RK73GB2A473J	CHIP R 47K J 1/10W		R933			RK73GB2A101J	CHIP R 100 J 1/10W	
R860			RK73GB2A102J	CHIP R 1.0K J 1/10W		R934			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R861			RK73GB2A104J	CHIP R 100K J 1/10W		R935			RK73GB2A471J	CHIP R 470 J 1/10W	E1E2
R862			RK73GB2A102J	CHIP R 1.0K J 1/10W		R936			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R863			RK73GB2A104J	CHIP R 100K J 1/10W		R937			RK73GB2A104J	CHIP R 100K J 1/10W	
R864			RK73GB2A102J	CHIP R 1.0K J 1/10W		R938			RK73EB2E472J	CHIP R 4.7K J 1/4W	
R865			RK73GB2A472J	CHIP R 4.7K J 1/10W		R939,940			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R866			RK73GB2A473J	CHIP R 47K J 1/10W		R941			RK73GB2A104J	CHIP R 100K J 1/10W	
R867-869			RK73GB2A102J	CHIP R 1.0K J 1/10W		R942			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R870			RK73GB2A472J	CHIP R 4.7K J 1/10W		R943			RK73GB2A103J	CHIP R 10K J 1/10W	
R871-875			RK73GB2A102J	CHIP R 1.0K J 1/10W		R944			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R876			RK73GB2A472J	CHIP R 4.7K J 1/10W		R945			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R877			RK73GB2A102J	CHIP R 1.0K J 1/10W		R946			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R880			RK73GB2A102J	CHIP R 1.0K J 1/10W		R947			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R882			RK73GB2A472J	CHIP R 4.7K J 1/10W		R948			RK73GB2A104J	CHIP R 100K J 1/10W	
R883			RK73GB2A102J	CHIP R 1.0K J 1/10W		R949			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R886			RK73GB2A102J	CHIP R 1.0K J 1/10W		R950-952			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R887			RK73GB2A473J	CHIP R 47K J 1/10W		R953			RK73GB2A104J	CHIP R 100K J 1/10W	
R888			RK73GB2A332J	CHIP R 3.3K J 1/10W		R956-958			RK73GB2A102J	CHIP R 1.0K J 1/10W	M1
R889			RK73GB2A102J	CHIP R 1.0K J 1/10W		R956,957			RK73GB2A102J	CHIP R 1.0K J 1/10W	E1E2M4
R890			RK73GB2A473J	CHIP R 47K J 1/10W		R978			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R891			RK73GB2A102J	CHIP R 1.0K J 1/10W		R979			RK73GB2A223J	CHIP R 22K J 1/10W	
R892			RK73GB2A473J	CHIP R 47K J 1/10W		R982			RK73GB2A104J	CHIP R 100K J 1/10W	
R893			RK73GB2A102J	CHIP R 1.0K J 1/10W		R984			RK73GB2A104J	CHIP R 100K J 1/10W	
R894			RK73GB2A104J	CHIP R 100K J 1/10W		R986			RK73GB2A103J	CHIP R 10K J 1/10W	E1M4
R895			RK73GB2A103J	CHIP R 10K J 1/10W	E1	R987			RK73GB2A103J	CHIP R 10K J 1/10W	E2
R895,896			RK73GB2A103J	CHIP R 10K J 1/10W	E2	R988			RK73GB2A104J	CHIP R 100K J 1/10W	
R896,897			RK73GB2A103J	CHIP R 10K J 1/10W	M1	R995			RK73GB2A103J	CHIP R 10K J 1/10W	M1M4
R897			RK73GB2A103J	CHIP R 10K J 1/10W	E1M4	R996,997			RK73GB2A104J	CHIP R 100K J 1/10W	
R899			RK73GB2A222J	CHIP R 2.2K J 1/10W		R998			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R900			RK73GB2A103J	CHIP R 10K J 1/10W		R999			RK73GB2A104J	CHIP R 100K J 1/10W	
R901			RK73GB2A102J	CHIP R 1.0K J 1/10W		W101			R92-2052-05	CHIP R 0 OHM J 1/10W	E1E2M4
R902			RK73GB2A104J	CHIP R 100K J 1/10W		W107			R92-1252-05	CHIP R 0 OHM J 1/16W	E1E2M4
R903			RK73GB2A102J	CHIP R 1.0K J 1/10W		W126			R92-1252-05	CHIP R 0 OHM J 1/16W	M1M4
R904			RK73GB2A104J	CHIP R 100K J 1/10W		W305,306			R92-1252-05	CHIP R 0 OHM J 1/16W	
R905-907			RK73GB2A102J	CHIP R 1.0K J 1/10W		W327,328			R92-1252-05	CHIP R 0 OHM J 1/16W	
R910			RK73GB2A102J	CHIP R 1.0K J 1/10W		W333,334			R92-1252-05	CHIP R 0 OHM J 1/16W	
R911			RK73GB2A104J	CHIP R 100K J 1/10W		W339,340			R92-1252-05	CHIP R 0 OHM J 1/16W	
R912			RK73GB2A102J	CHIP R 1.0K J 1/10W		W400			R92-1252-05	CHIP R 0 OHM J 1/16W	
R913			RK73GB2A104J	CHIP R 100K J 1/10W		W809			R92-1252-05	CHIP R 0 OHM J 1/16W	
R914			RK73GB2A470J	CHIP R 47 J 1/10W		W884			R92-1252-05	CHIP R 0 OHM J 1/16W	
R915			RK73GB2A392J	CHIP R 3.9K J 1/10W		W900			R92-1252-05	CHIP R 0 OHM J 1/16W	
R917			RK73GB2A103J	CHIP R 10K J 1/10W		W902			R92-1252-05	CHIP R 0 OHM J 1/16W	
R918			RK73GB2A223J	CHIP R 22K J 1/10W		W916			R92-1252-05	CHIP R 0 OHM J 1/16W	
R919			RK73GB2A133J	CHIP R 13K J 1/10W							

E1 : GX-201LEF2 E2 : GX-201REF2
M1 : GX-201KEF2 M4 : GX-201SEF2

△ Indicates safety critical components.

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.

SYNTHESIZER UNIT (X14-694x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
BZ81			T95-0214-05	PIEZOELECTRIC VIBRATOR	
D1			AM01Z	DIODE	
D2			02CZ4.3-X	ZENER DIODE	
D101,102			IMSA-6801	SURGE ABSORBER	M1
D102			IMSA-6801	SURGE ABSORBER	E1E2M4
D103			1SV237	DIODE	M1
D151			DAN202U	DIODE	E1E2
D151			MA142WK	DIODE	E1E2
D201			RD6.8MW	ZENER DIODE	
D301			HZS6C3L	ZENER DIODE	
D501			HZM6.8FA	ZENER DIODE	
D502			STZ6.8N	ZENER DIODE	
D503,504			RD6.8MW	ZENER DIODE	
D601			MA8160-M	ZENER DIODE	
D602,603			1SR154-400	DIODE	
D604			MA8160-M	ZENER DIODE	
D605,606			1SR154-400	DIODE	
D702			5Z27(LC3)	ZENER DIODE	
D801,802			HZS6A1L	ZENER DIODE	
D803			STZ6.8N	ZENER DIODE	
D804			HZS7A3L	ZENER DIODE	
D805			1SS133	DIODE	
D806,807			1SR154-400	DIODE	
D808			DAN202U	DIODE	
D808			MA142WK	DIODE	
D809,810			DAP202U	DIODE	
D809,810			MA142WA	DIODE	
D811			HZM10N(B1)	ZENER DIODE	
D811			MA3100-L	ZENER DIODE	
D812			MA111	DIODE	
IC1			BA6209	IC (MOTOR DRIVER)	
IC11			TA2083FN	ANALOGUE IC	M1
IC12			HA12181FP	ANALOGUE IC	
IC13			NJM4565M-TE2	ANALOGUE IC	E1E2
IC14			TDA7479D	ANALOGUE IC	E1E2
IC21			NJM2123V-TE2	ANALOGUE IC	
IC22			TDA7407D	ANALOGUE IC	
IC23			NJM2123V-TE2	ANALOGUE IC	
IC24			NJM4580V	ANALOGUE IC	
IC31-34			NJM2060V	ANALOGUE IC	
IC35			NJM4580MD	ANALOGUE IC	
IC41			TDA7384A	ANALOGUE IC	
IC81		*	703037AGF-A15	MICROCONTROLLER IC	
IC82			S-80842CNNB	MOS-IC	
IC83			HA12187FP	ANALOGUE IC	
IC84			TC7W02FU	MOS-IC	
IC85			BR24C01AFV-W	MEMORY IC	
IC86,87			TC7SU04FU	MOS-IC	
Q1			2SB1443	TRANSISTOR	
Q2			DTC144EUA	DIGITAL TRANSISTOR	
Q2			UN5213	DIGITAL TRANSISTOR	
Q101			DTC114EUA	DIGITAL TRANSISTOR	M1
Q101			UN5211	DIGITAL TRANSISTOR	M1
Q102			2SB1188(Q,R)	TRANSISTOR	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
Q103			DTC124EUA	DIGITAL TRANSISTOR	
Q103			UN5212	DIGITAL TRANSISTOR	
Q104			2SB1188(Q,R)	TRANSISTOR	
Q105			DTC124EUA	DIGITAL TRANSISTOR	
Q105			UN5212	DIGITAL TRANSISTOR	
Q106			DTC144EUA	DIGITAL TRANSISTOR	
Q106			UN5213	DIGITAL TRANSISTOR	
Q107			2SC4081	TRANSISTOR	E1E2
Q108			2SK3018	FET	M1
Q151			DTA124EUA	DIGITAL TRANSISTOR	E1E2
Q151			UN5112	DIGITAL TRANSISTOR	E1E2
Q152			DTC114TUA	DIGITAL TRANSISTOR	E1E2
Q153			2SC4081	TRANSISTOR	E1E2
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	

E1 : GX-201LEF2 E2 : GX-201REF2
M1 : GX-201KEF2 M4 : GX-201SEF2

△ Indicates safety critical components.

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.

SYNTHESIZER UNIT (X14-694x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
Q850			UN5111	DIGITAL TRANSISTOR		R14			RK73GB2A473J	CHIP R 47K J 1/10W	
Q852			DTA143EUA	DIGITAL TRANSISTOR		R15			RK73GB2A224J	CHIP R 220K J 1/10W	
Q853			DTC144EUA	DIGITAL TRANSISTOR		R16-19			RK73GB2A222J	CHIP R 2.2K J 1/10W	
Q853			UN5213	DIGITAL TRANSISTOR		R22,23			RK73GB2A102J	CHIP R 1.0K J 1/10W	
A1		*	W02-3413-15	ELECTRIC CIRCUIT MODULE		R25-27			RK73GB2A473J	CHIP R 47K J 1/10W	
A2		*	W02-3414-15	ELECTRIC CIRCUIT MODULE		R29			RK73GB2A102J	CHIP R 1.0K J 1/10W	
A3		*	W02-3347-05	FM/AM FRONT-END	M1M4	R30			RK73GB2A104J	CHIP R 100K J 1/10W	
A3		*	W02-3349-05	FM/AM FRONT-END	E1E2	R31,32			RK73GB2A102J	CHIP R 1.0K J 1/10W	
SWITCH UNIT (X25-929x-xx)						R33,34			RK73GB2A473J	CHIP R 47K J 1/10W	
269	2C	*	B11-1416-04	COLOR FILTER		R35			RK73GB2A102J	CHIP R 1.0K J 1/10W	
270	2C	*	B11-1417-04	COLOR FILTER		R36			RK73GB2A104J	CHIP R 100K J 1/10W	
D10-22		*	B30-1601-05	LED		R37,38			RK73GB2A102J	CHIP R 1.0K J 1/10W	
D23		*	B30-1608-05	LED		R39,40			RK73GB2A222J	CHIP R 2.2K J 1/10W	
D25,26		*	B30-1602-05	LED		R43			RK73GB2A102J	CHIP R 1.0K J 1/10W	
D27-29		*	B30-1601-05	LED		R46			RK73GB2A102J	CHIP R 1.0K J 1/10W	
D31-33		*	B30-1601-05	LED	E2M1	R47			RK73GB2A224J	CHIP R 220K J 1/10W	
D31-34		*	B30-1601-05	LED	E1M4	R50,51			RK73GB2A103J	CHIP R 10K J 1/10W	
C1			C92-0092-05	CHIP C 47UF 6.3WV		R52-60			RK73GB2A102J	CHIP R 1.0K J 1/10W	
C2			CK73GB1C104K	CHIP C 0.10UF K		R61			RK73GB2A103J	CHIP R 10K J 1/10W	
C4,5			CK73GB1C104K	CHIP C 0.10UF K		R62,63			RK73GB2A102J	CHIP R 1.0K J 1/10W	
C6			CK73GB1H471K	CHIP C 470PF K		R64			RK73GB2A104J	CHIP R 100K J 1/10W	
C7			CK73GB1H103K	CHIP C 0.010UF K		R66			RK73GB2A104J	CHIP R 100K J 1/10W	
C8			C92-0092-05	CHIP C 47UF 6.3WV		R67			RK73GB2A222J	CHIP R 2.2K J 1/10W	
C9			CK73GB1H103K	CHIP C 0.010UF K		R68			RK73GB2A104J	CHIP R 100K J 1/10W	
C11			CK73GB1C104K	CHIP C 0.10UF K		R69-72			RK73GB2A222J	CHIP R 2.2K J 1/10W	
C12,13			CC73GCH1H180J	CHIP C 18PF J		R73			RK73GB2A104J	CHIP R 100K J 1/10W	
C14			CK73GB1H103K	CHIP C 0.010UF K		R75			RK73GB2A104J	CHIP R 100K J 1/10W	
C16,17			CK73FB1H104K	CHIP C 0.10UF K		R76,77			RK73GB2A103J	CHIP R 10K J 1/10W	
C18			CK73GB1C104K	CHIP C 0.10UF K		R78,79			RK73GB2A102J	CHIP R 1.0K J 1/10W	
C19			CC73GCH1H470J	CHIP C 47PF J		R80			RK73GB2A103J	CHIP R 10K J 1/10W	E2M1
C24-27			CK73GB1H103K	CHIP C 0.010UF K		R81			RK73GB2A103J	CHIP R 10K J 1/10W	E1M4
C33-35			CC73GCH1H470J	CHIP C 47PF J		R82			RK73GB2A104J	CHIP R 100K J 1/10W	
C44			CK73GB1C104K	CHIP C 0.10UF K		R83			RK73GB2A103J	CHIP R 10K J 1/10W	E1M1M4
C46-50			CK73GB1C104K	CHIP C 0.10UF K		R84			RK73GB2A103J	CHIP R 10K J 1/10W	E2
C51			CK73GB1H682K	CHIP C 6800PF K		R102			RK73FB2B220J	CHIP R 22 J 1/8W	
C53			CK73FB1C105K	CHIP C 1.0UF K		R103			RK73GB2A432J	CHIP R 4.3K J 1/10W	
C54			CK73GB1C104K	CHIP C 0.10UF K		R104			RK73FB2B220J	CHIP R 22 J 1/8W	
C55			CK73FB1C105K	CHIP C 1.0UF K		R106			RK73FB2B222J	CHIP R 2.2K J 1/8W	
C62			CK73GB1H103K	CHIP C 0.010UF K		R107			RK73FB2B621J	CHIP R 620 J 1/8W	
C63			CK73FB1C105K	CHIP C 1.0UF K		R108	*		RK73FB2B821J	CHIP R 820 J 1/8W	
C64			CK73GB1C104K	CHIP C 0.10UF K		R109			RK73FB2B562J	CHIP R 5.6K J 1/8W	
CN1		*	E41-0275-05	SOCKET FOR PIN ASSY		R110			RK73FB2B621J	CHIP R 620 J 1/8W	
CN2		*	E41-0276-05	SOCKET FOR PIN ASSY		R111			RK73FB2B122J	CHIP R 1.2K J 1/8W	
271	1C	*	J19-5160-13	HOLDER		R112,113			RK73FB2B562J	CHIP R 5.6K J 1/8W	
L4,5			L40-4792-78	SMALL FIXED INDUCTOR (4.7UH)		R115			RK73GB2A103J	CHIP R 10K J 1/10W	
L7			L40-4792-78	SMALL FIXED INDUCTOR (4.7UH)		R116			RK73GB2A102J	CHIP R 1.0K J 1/10W	
X1		*	L77-2823-05	CRYSTAL RESONATOR (3.9936MHZ)		R118			RK73GB2A333J	CHIP R 33K J 1/10W	
R1-5			RK73GB2A102J	CHIP R 1.0K J 1/10W		R121			RK73GB2A181J	CHIP R 180 J 1/10W	
R6-10			RK73GB2A473J	CHIP R 47K J 1/10W		R124			RK73GB2A181J	CHIP R 180 J 1/10W	
R11			RK73GB2A102J	CHIP R 1.0K J 1/10W		R125			RK73FB2B823J	CHIP R 82K J 1/8W	
R12			RK73GB2A471J	CHIP R 470 J 1/10W		R129			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R13			RK73GB2A103J	CHIP R 10K J 1/10W		R130,131			RK73FB2B102J	CHIP R 1.0K J 1/8W	
						R132			RK73FB2B222J	CHIP R 2.2K J 1/8W	
						R133			RK73FB2B392J	CHIP R 3.9K J 1/8W	
						R134			RK73FB2B222J	CHIP R 2.2K J 1/8W	

E1 : GX-201LEF2 E2 : GX-201REF2
M1 : GX-201KEF2 M4 : GX-201SEF2

△ Indicates safety critical components.

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.

SWITCH UNIT (X25-929x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R135			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R138-140			RK73EB2E103J	CHIP R 10K J 1/4W	
R141		*	RK73EB2E182J	CHIP R 1.8K J 1/4W	
R142			RK73FB2B561J	CHIP R 560 J 1/8W	
R143			RK73FB2B562J	CHIP R 5.6K J 1/8W	
R144-147			RK73GB2A103J	CHIP R 10K J 1/10W	
R148,149			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R158			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R159			RK73GB2A103J	CHIP R 10K J 1/10W	
R163,164			RK73GB2A103J	CHIP R 10K J 1/10W	
R165			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R166			RK73GB2A103J	CHIP R 10K J 1/10W	
R170,171			RK73GB2A103J	CHIP R 10K J 1/10W	
R172			RK73GB2A223J	CHIP R 22K J 1/10W	
R174			RK73GB2A101J	CHIP R 100 J 1/10W	
R175			RK73FB2B562J	CHIP R 5.6K J 1/8W	E1M4
R180			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R181,182			RK73GB2A223J	CHIP R 22K J 1/10W	
R183-185		*	RK73EB2E182J	CHIP R 1.8K J 1/4W	
R187			RK73GB2A224J	CHIP R 220K J 1/10W	
S31,32		*	T99-0439-05	ROTARY ENCODER	
D1			DAN202U	DIODE	
D1			MA142WK	DIODE	
D2,3			DA227	DIODE	
D4,5			DAN202U	DIODE	
D4,5			MA142WK	DIODE	
ED1		*	6-MT-378GINK	FLUORESCENT INDICATOR TUBE	E2M1
ED2		*	3-MT-104GINK	FLUORESCENT INDICATOR TUBE	E1M4
ED3		*	3-MT-108GINK	FLUORESCENT INDICATOR TUBE	M1
IC1		*	90587CAPV130	MI-COM IC	E1E2M4
IC1		*	90587CAPV137	MICROCONTROLLER IC	
IC3			BR24C01AF-W	ROM IC	
Q1			FMC3A	DIGITAL TRANSISTOR	
Q2			DTC114YUA	DIGITAL TRANSISTOR	
Q2			UN5214	DIGITAL TRANSISTOR	
Q4			FMC3A	DIGITAL TRANSISTOR	
Q5			DTC114YUA	DIGITAL TRANSISTOR	
Q5			UN5214	DIGITAL TRANSISTOR	
Q11,12			2SA1576A	TRANSISTOR	
Q11,12			2SB1218A	TRANSISTOR	
Q21			DTA114TK	DIGITAL TRANSISTOR	
Q22			DTC124EUA	DIGITAL TRANSISTOR	
Q22			UN5212	DIGITAL TRANSISTOR	
Q23			DTC114EUA	DIGITAL TRANSISTOR	
Q23			UN5211	DIGITAL TRANSISTOR	
Q24			2SC4081	TRANSISTOR	
Q24			2SD1819A	TRANSISTOR	
Q25			2SA1576A	TRANSISTOR	
Q25			2SB1218A	TRANSISTOR	
Q26			DTA114YUA	DIGITAL TRANSISTOR	
Q26			UN5114	DIGITAL TRANSISTOR	
Q27			UMC2N	TRANSISTOR	
Q28			2SC2873	TRANSISTOR	
Q29,30			2SC4081	TRANSISTOR	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
Q29,30			2SD1819A	TRANSISTOR	
Q33			DTA114EUA	DIGITAL TRANSISTOR	
Q33			UN5111	DIGITAL TRANSISTOR	
Q34			UMC2N	TRANSISTOR	
Q35			DTC114EUA	DIGITAL TRANSISTOR	
Q35			UN5211	DIGITAL TRANSISTOR	
Q36			DTA144EUA	DIGITAL TRANSISTOR	
Q36			UN5113	DIGITAL TRANSISTOR	
Q37			2SC4081(S)	TRANSISTOR	
DOLBY NOISE REDUCTION UNIT (X87-3052-70)					
C1-4			CC73GCH1H681J	CHIP C 680PF J	
C5			C94-0036-05	ELECTRO 33UF 10WV	
C6		*	CD04AT1A470M	ELECTRO 47UF 10WV	
C7,8			CK73GB1H103K	CHIP C 0.010UF K	
C9			CC73GCH1H100D	CHIP C 10PF D	
C11-14			CK73GB1C104K	CHIP C 0.10UF K	
C11-14			CK73GB1H104K	CHIP C 0.10UF K	
C15,16			C94-0036-05	ELECTRO 33UF 10WV	
C17			CK73GB1A474K	CHIP C 0.47UF K	
C20			CK73GB1H472K	CHIP C 4700PF K	
C23			CK73GB1A474K	CHIP C 0.47UF K	
C24			CK73GB1E333K	CHIP C 0.033UF K	
C24			CK73GB1H333K	CHIP C 0.033UF K	
C25			CK73GB1H102K	CHIP C 1000PF K	
C26			CC73GCH1H100D	CHIP C 10PF D	
C27-30			CC73GCH1H221J	CHIP C 220PF J	
C31,32			CC73GCH1H100D	CHIP C 10PF D	
CN2			E40-9218-05	PIN ASSY	
CN3			E40-9701-05	FLAT CABLE CONNECTOR	
CN4			E40-5460-05	SOCKET FOR PIN ASSY	
W1-10			E31-0001-00	JUMPER WIRE	
R1-4			RK73GB2A273J	CHIP R 27K J 1/10W	
R5,6			RK73FB2B181J	CHIP R 180 J 1/8W	
R7			RK73GB2A203J	CHIP R 20K J 1/10W	
R8			RK73GB2A224J	CHIP R 220K J 1/10W	
R9			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R10			RK73GB2A333J	CHIP R 33K J 1/10W	
R11,12			RK73FB2B102J	CHIP R 1.0K J 1/8W	
R13			RK73EB2E4R7J	CHIP R 4.7 J 1/4W	
VR1,2			R12-3100-05	TRIMMING POT. (10K)	
W11,12			R92-2052-05	CHIP R 0 OHM J 1/10W	
W14			R92-1252-05	CHIP R 0 OHM J 1/16W	
IC1			CXA2560Q	ANALOGUE IC	
Q1			DTC124EK	DIGITAL TRANSISTOR	
DAUGHTER UNIT (X89-2542-71)					
C101,102			CK73GB1H102K	CHIP C 1000PF K	
C103		*	CF92JV1H224J	CHIP C 0.22UF 50WV	
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	

E1 : GX-201LEF2 E2 : GX-201REF2
M1 : GX-201KEF2 M4 : GX-201SEF2

△ Indicates safety critical components.

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.

DAUGHTER UNIT (X89-2542-71)

Ref. No.	Add	New	Parts No.	Description	Destination
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	
C201		*	C90-5602-05	ELECTRO 2.2UF 50WV	
C202			CK73FB1C684K	CHIP C 0.68UF K	
C203		*	CD04AY1V470M	ELECTRO 47UF 35WV	
C204			CK73GB1C104K	CHIP C 0.10UF K	
C204			CK73GB1H104K	CHIP C 0.10UF K	
C205			C90-2982-05	ELECTRO 100UF 16WV	
C206			CK73FB1C684K	CHIP C 0.68UF 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	CHIP C 2200PF 250WV	
C402,403		*	C93-1293-05	CHIP C 1000PF 250WV	
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	
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	
R201			RK73GB2A331J	CHIP R 330 J 1/10W	
R202			RK73GB2A103J	CHIP R 10K J 1/10W	
R301			RK73GB2A331J	CHIP R 330 J 1/10W	
R302			RK73GB2A103J	CHIP R 10K J 1/10W	

Ref. No.	Add	New	Parts No.	Description	Destination
R401,402			RK73EB2E221J	CHIP R 220 J 1/4W	
R401,402		*	R92-3300-05	CHIP R 220 J 1/4W	
R403,404			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R403,404			R92-3218-05	CHIP R 1K J 1/4W	
D201		*	HZS12A2L	ZENER DIODE	
D202			1SS133	DIODE	
D301		*	HZS12A2L	ZENER DIODE	
D302			1SS133	DIODE	
IC11			L4943	ANALOGUE IC	
IC21		*	BA08STV5	ANALOGUE IC	
IC31		*	BA08STV5	ANALOGUE IC	
Q101			UMC2N	TRANSISTOR	
Q201			2SB1548(P)	TRANSISTOR	
Q202			UMC2N	TRANSISTOR	
Q203			2SC4081	TRANSISTOR	
Q301			2SB1548(P)	TRANSISTOR	
Q302			UMC2N	TRANSISTOR	
Q303			2SC4081	TRANSISTOR	
CASSETTE MECHANISM ASSY (D40-1169-05)					
1	2B		A10-4630-08	CHASSIS ASSY	
4	2B		D10-4375-08	SLIDER	
5	3A		D13-1494-08	GEAR	
6	3A		D13-1495-08	GEAR	
7	3A		D13-1496-08	GEAR	
9	1B		D10-4376-08	ARM	
10	2B		J90-0948-08	GUID	
11	2B		D15-0919-08	PULLEY	
12	2B		D13-1497-08	GEAR	
15	2B		J21-9458-08	MOUNTING HARDWARE	
17	2B		G02-1332-08	FLAT SPRING	
20	2A		D13-1498-08	RACK (GEAR)	
21	1A		D10-4377-08	LEVER	
22	3B		D10-4378-08	LEVER	
23	2A		D10-4379-08	LEVER	
24	1A		D10-4380-08	LEVER	
25	1A		G01-2960-08	TENSION COIL SPRING	
26	3A		D13-1499-08	GEAR	
27	3A		D10-4381-08	ARM	
30	2B		D10-4382-08	ARM ASSY	
31	2B		D10-4383-08	ARM ASSY	
44	2A		E39-0425-08	LEAD WIRE	
45	2A		J11-0632-08	CLAMPER	
48	3B		D01-0613-08	FLYWHEEL ASSY	
49	3B		D16-0616-08	BELT	
52	1B		D10-4385-08	ARM	
53	1B		J19-4953-08	HOLDER	
54	1A		G11-1861-08	CUSHION	
56	1B		D10-4386-08	ARM ASSY	
57	1B		G01-2962-08	TENSION COIL SPRING	
58	1B		D10-4387-08	SLIDER	
62	2A		D10-4775-08	LEVER	
65	2A		B09-0522-08	CAP	
66	2A		G01-2963-08	COMPRESSION COIL SPRING	
67	2A		D03-0314-08	REEL DISK ASSY	

E1 : GX-201LEF2 E2 : GX-201REF2
M1 : GX-201KEF2 M4 : GX-201SEF2

△ Indicates safety critical components.

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.

CASSETTE MECHANISM ASSY (D40-1169-05)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
91	3A	*	J26-4046-08	PRINTED WIRING BOARD ASSY	
92	3A		E39-0424-08	FLAT CABLE	
94	3A		T95-0245-08	PHOTO COUPLER	
A	3A		N09-4324-08	MACHINE SCREW	
B	2A		N19-2136-08	FLAT WASHER	
C	2B		N09-4325-08	MACHINE SCREW	
D	2A		N09-4326-08	MACHINE SCREW	
E	2A		N09-4058-08	SEMS (MACHINE SCREW)	
F	2B		N19-2038-08	FLAT WASHER	
G	2B		N19-2136-08	FLAT WASHER	
H	2B		N19-2137-08	FLAT WASHER	
J	3B		N19-2138-08	FLAT WASHER	
K	3B		N09-4327-08	SCREW	
N	1B		N19-2139-08	FLAT WASHER	
CS1	3A	*	S68-0881-08	PUSH SWITCH	
CM1	1A		T42-1002-08	MOTOR ASSY (MAIN)	
CM2	1A		T42-1001-08	MOTOR ASSY (SUB)	
HD1	2B		T31-0225-08	PLAYBACK HEAD	

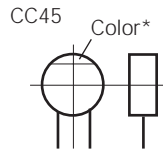
Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation

PARTS LIST

CAPACITORS

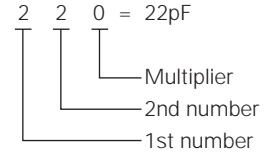
CC 45 TH 1H 220 J
 1 2 3 4 5 6

- 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

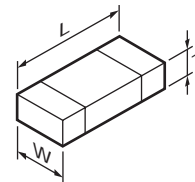
(EX) CC 73 F SL 1H 000 J
 1 2 3 4 5 6 7
 (Chip) (CH, RH, UJ, SL)

(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		

SPECIFICATIONS

FM : GX-201LEF2/REF2

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-201KEF2/SEF2

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-201LEF2/REF2

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-201KEF2/SEF2

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

Cassette

Tape Speed 4.75cm/sec (+3%, -1%)
Wow & Flutter (WRMS) 0.35%
Stereo Separation (1kHz) 35dB
Signal to Noise Ratio
Dolby NR OFF 45dB
Dolby BNR ON 48dB

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 20W x 4 (4 Ω)
Tone Action
Bass : 100Hz \pm 8dB
Treble : 17.5kHz \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.
Manufactured under license from Dolby Laboratories.
"Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

KENWOOD CORPORATION

2967-3, Ishikawa-machi, Hachioji-shi, Tokyo, 192-8525 Japan

KENWOOD USA CORPORATION
P.O. Box 22745, 2201 East Dominguez Street, Long Beach, CA 90801-5745, U.S.A.

KENWOOD ELECTRONICS CANADA INC.
6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

KENWOOD ELECTRONICS LATIN AMERICA S.A.
P.O. Box 55-2791 Paitilla, Plaza Credicorp Bank Panama,
Piso 9, Oficina 901, Calle 50, Panama, Rep. de Panama

KENWOOD ELECTRONICS BRASIL LTDA.
Alameda Ministro Rocha Azevedo No. 456,
Edifício Jaú, 10o Andar, Cerqueira César, Cep 0140-001,
São Paulo-SP-Brasil

KENWOOD ELECTRONICS UK LIMITED
Kenwood House, Dwight Road, Watford, Herts, WD18 9EB, United Kingdom

KENWOOD ELECTRONICS DEUTSCHLAND GMBH
Rembrücker-Str. 15, 63150 Heusenstamm, Germany

KENWOOD ELECTRONICS FRANCE S.A.
13, Boulevard Ney, 75018 Paris, France

KENWOOD ELECTRONICS BELGIUM N.V.
Leuvensesteenweg 248 J, 1800 Vilvoorde, Belgium

KENWOOD ELECTRONICS ITALIA S.p.A.
Via G. Sirtori 7/9, 20129 Milano, Italy

KENWOOD IBÉRICA S.A.
Bolivia, 239-08020 Barcelona, Spain

KENWOOD ELECTRONICS AUSTRALIA PTY. LTD. (A.C.N. 001 499 074)
16 Giffnock Avenue, Centrecourt Estate, North Ryde,
N.S.W. 2113, Australia

KENWOOD ELECTRONICS (HONG KONG) LTD.
Unit 3712-3724, Level 37, Tower 1, Metroplaza, 223 Hing Fong Road, Kwai Fong, N.T.,
Hong Kong

KENWOOD ELECTRONICS GULF FZE
P.O. Box 61318, Jebel Ali, Dubai, U.A.E.

KENWOOD ELECTRONICS (THAILAND) CO., LTD.
2019 New Pechburi Road, Bangkok, Huaykwang, Bangkok, 10320 Thailand

KENWOOD ELECTRONICS SINGAPORE PTE. LTD.
1 Genting Lane, #07-00, Kenwood Building, Singapore, 349544

KENWOOD ELECTRONICS (MALAYSIA) SDN BHD
#4.01 Level 4, Wisma Academy Lot 4A, Jalan 19/1, 46300 Petaling Jaya, Selangor Darul Ehsan,
Malaysia