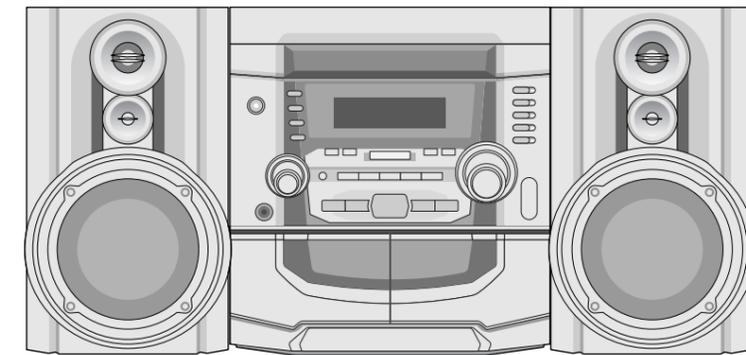


SERVICE MANUAL MODEL: LM-M245X, LMS-M245



3CD CHANGER HI-FI SYSTEM **SERVICE MANUAL**

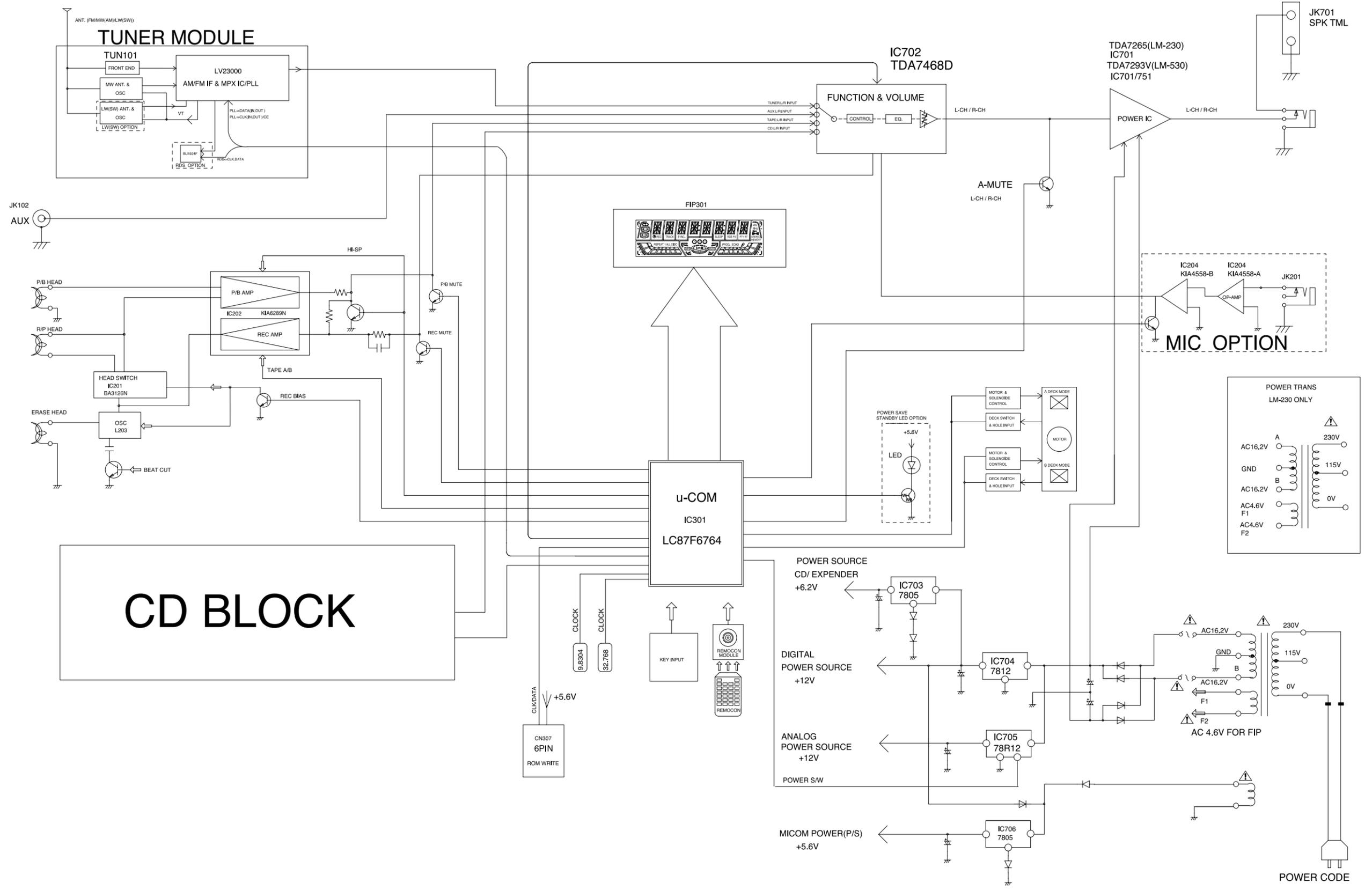


MODEL: LM-M245X, LMS-M245

BLOCK DIAGRAM

NOTE: Warning
 ⚠️ Parts that are shaded are critical With respect to risk of fire or electrical shock.

NOTE:
 1. Shaded(■) parts are critical for safety. Replace only with specified part number.
 2. Voltages are DC-measured with a digital voltmeter during Play mode.



SCHEMATIC DIAGRAMS

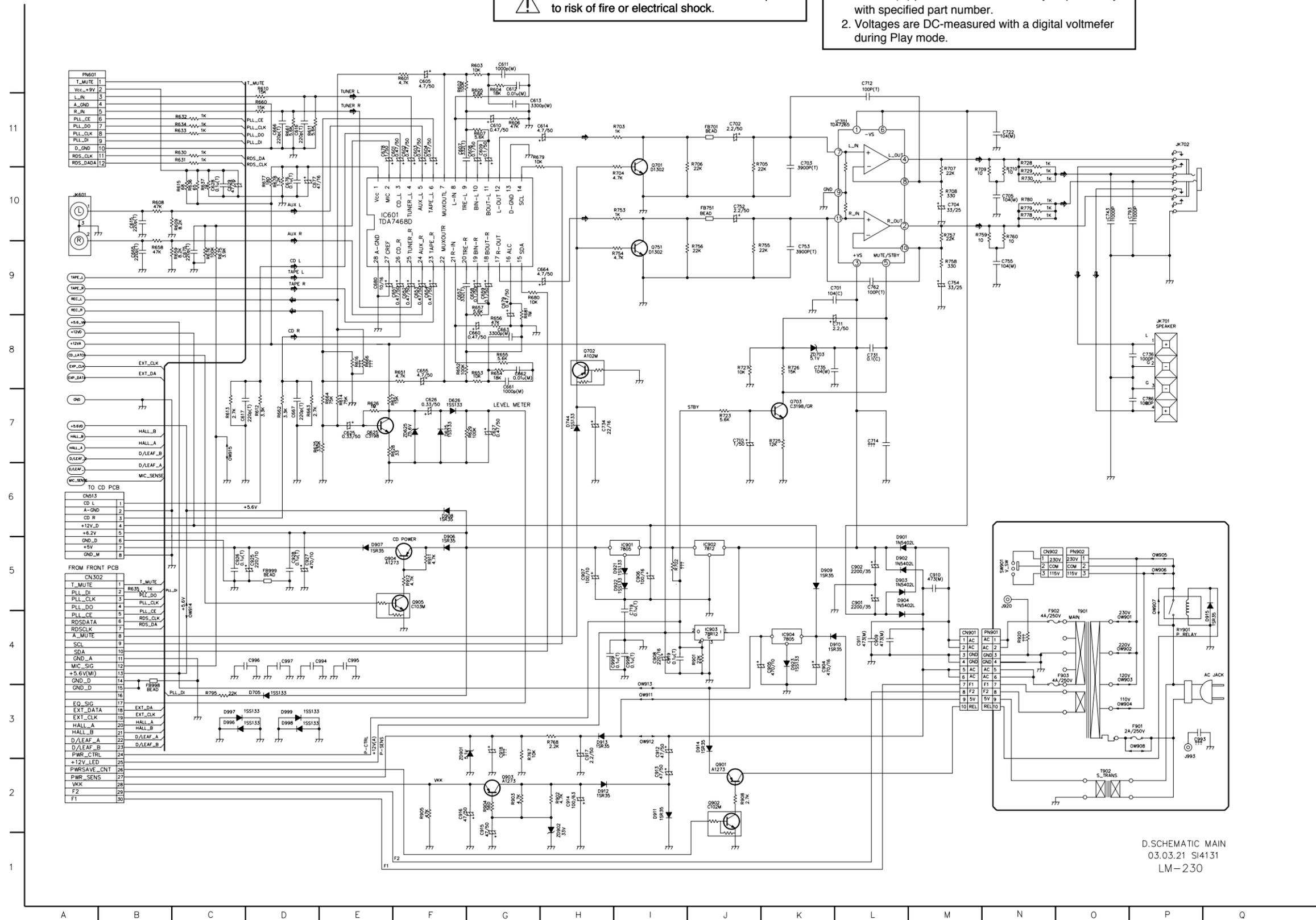
• MAIN SCHEMATIC DIAGRAM

NOTE: Warning

Parts that are shaded are critical With respect to risk of fire or electrical shock.

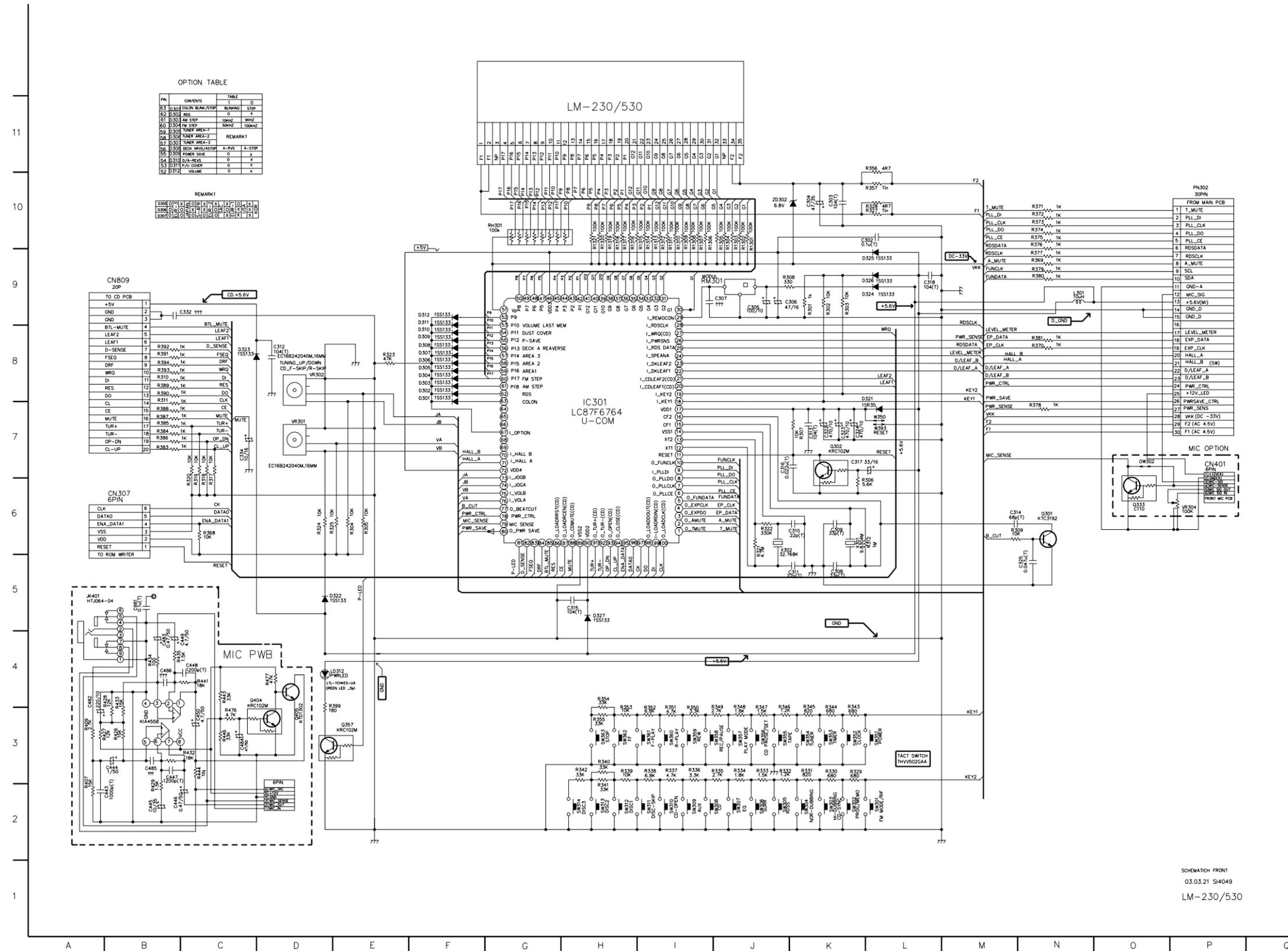
NOTE:

1. Shaded(■) parts are critical for safety. Replace only with specified part number.
2. Voltages are DC-measured with a digital voltmeter during Play mode.



D.SCHEMATIC MAIN
03.03.21 SI4131
LM-230

FRONT SCHEMATIC DIAGRAM



OPTION TABLE

PN	CONTENTS	TABLE	Q
63	COLOR BLANK/STOP	BLANKING STOP	0
62	ROS	0	X
61	FM STEP	100HZ	0
60	FM STEP	100HZ	100HZ
59	TUNER AREA-1		
58	TUNER AREA-2		
57	TUNER AREA-3		
56	DECK A REVERSE	A-REV	A-STOP
55	POWER SAVE	0	X
54	D/A-REV	0	X
53	PAGE COVER	0	X
52	VOLUME	0	X

REMARK1

OPTION	TABLE	Q
63	0	0
62	0	0
61	0	0
60	0	0
59	0	0
58	0	0
57	0	0
56	0	0
55	0	0
54	0	0
53	0	0
52	0	0

LOCATION GUIDE

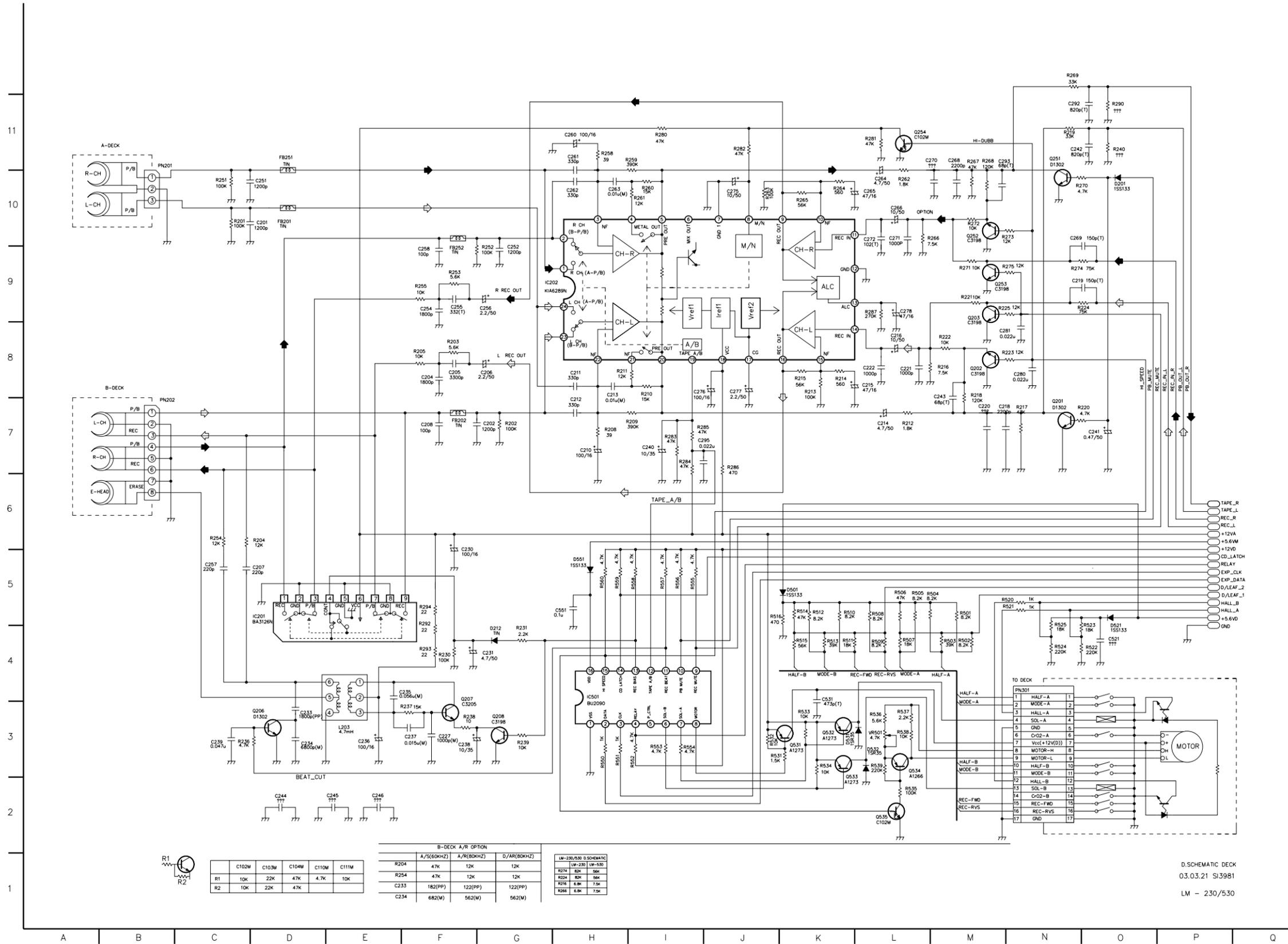
C302	K10	R321	J5	SW363	H3
C303	K10	R322	J6	VKK	M7
C304	K10	R323	E8	VKK	M9
C305	J9	R324	D6	VR301	D7
C306	J9	R325	E6	VR302	D8
C307	J9	R327	L10	VR304	P6
C308	K5	R328	L10	W350	L7
C309	K6	R329	K3	W393	L7
C310	J6	R330	K3	WRO	L8
C311	J5	R331	K3	WRO	C8
C312	D8	R332	J3	X301	K6
C313	K7	R333	J3	X302	J6
C314	M6	R334	J3	ZD302	J10
C315	H5	R335	I3		
C316	J7	R336	I3		
C317	K7	R337	I3		
C318	L9	R338	I3		
C322	K7	R339	H3		
C323	K7	R340	H3		
C324	K7	R341	H2		
C325	N5	R342	H3		
C332	B9	R343	K3		
C334	B7	R344	K3		
C445	C2	R345	K3		
C446	B3	R346	J3		
C447	B2	R347	J3		
C448	B2	R348	J3		
C449	C4	R349	I3		
C450	C3	R350	I3		
C452	A4	R353	H3		
C483	B4	R354	H4		
C484	C3	R355	H3		
C485	B3	R356	L11		
C486	B4	R357	L10		
C981	B5	R366	C6		
C982	B6	R369	N9		
CN401	P7	R370	N8		
CN809	B9	R371	N10		
D301	F8	R372	N10		
D302	F8	R373	N10		
D303	F8	R374	N10		
D304	F8	R375	N10		
D305	F8	R376	N10		
D306	F8	R377	N9		
D307	F8	R378	N7		
D308	F8	R379	N9		
D309	F8	R380	N9		
D310	F8	R381	N8		
D311	F8	R383	B7		
D312	F9	R384	E7		
D321	K8	R385	B7		
D322	D5	R386	B7		
D323	C8	R387	B7		
D324	C9	R388	B7		
D325	K9	R389	B8		
D326	K9	R390	B8		
D327	H5	R391	B8		
D328	H7	R392	B8		
JK401	A5	R393	B8		
L301	N9	R394	B8		
LD312	D4	R399	D3		
PN302	P10	R407	A2		
Q301	N6	R409	A3		
Q302	K7	R426	B3		
Q333	O6	R427	B3		
Q357	E3	R428	B4		
Q404	C4	R429	B2		
Q405	D3	R432	C3		
R1301	J9	R433	B3		
R1302	J9	R434	B4		
R1303	J9	R435	B4		
R1304	J9	R441	C4		
R1305	J9	R443	C4		
R1306	J9	R444	C3		
R1307	J9	R446	C3		
R1308	J9	R476	C3		
R1309	J9	R477	D4		
R1310	J9	RH301	G10		
R1311	J9	RM301	I9		
R1312	J9	SW301	L2		
R1313	H10	SW302	K2		
R1314	J9	SW303	K2		
R1315	J9	SW304	K2		
R1316	H9	SW305	J2		
R1317	H9	SW306	J2		
R1318	H9	SW307	J2		
R1319	H10	SW308	J2		
R1320	H10	SW309	I2		
R1321	H10	SW310	I2		
R301	K9	SW311	I2		
R302	K9	SW312	H2		
R303	K9	SW313	H2		
R304	E6	SW314	H2		
R305	E6	SW351	L3		
R306	K6	SW352	K3		
R307	K7	SW353	K3		
R308	J9	SW354	K3		
R309	M6	SW355	J3		
R310	B8	SW356	J3		
R311	B7	SW357	J3		
R312	L6	SW358	J3		
R317	C6	SW359	I3		
R318	C6	SW360	I3		
R319	C6	SW361	I3		
R320	C6	SW362	H3		

SCHEMATIC FRONT
03.03.21 SI4049
LM-230/530

TUNER/DECK SCHEMATIC DIAGRAM

LOCATION GUIDE

C201	D10	R209	H7
C202	G7	R210	H8
C204	F8	R211	H8
C205	F8	R212	L7
C206	G8	R213	K8
C207	D5	R214	K8
C208	F7	R215	K8
C210	H7	R216	M8
C211	H8	R217	N7
C212	H7	R218	M8
C213	H8	R219	N11
C214	L7	R220	N7
C215	L8	R221	M9
C216	L8	R222	M8
C218	M7	R223	M8
C219	N9	R224	N9
C220	M7	R225	M9
C221	L8	R226	F4
C222	L8	R231	G4
C227	F3	R236	C3
C230	F5	R237	E3
C231	G4	R238	F3
C233	D3	R239	G3
C234	D3	R240	O11
C235	E4	R251	C10
C236	E3	R252	G9
C237	F3	R253	F9
C238	F3	R254	C6
C239	C3	R255	F9
C240	I7	R258	H11
C241	O7	R259	H11
C242	N11	R260	I10
C243	M7	R261	I10
C244	D2	R262	L10
C245	E2	R263	J10
C246	E2	R264	K10
C251	D10	R265	K10
C252	G9	R266	L10
C254	F9	R267	M11
C255	F9	R268	M11
C256	G9	R269	N12
C257	C5	R270	N10
C258	F9	R271	M9
C260	H11	R272	M10
C261	H11	R273	M10
C262	H10	R274	N9
C263	H10	R275	M9
C264	L10	R280	I11
C265	L10	R281	L11
C266	L10	R282	J11
C268	N10	R283	I7
C269	N10	R284	I7
C270	L11	R285	J7
C271	L10	R286	J7
C272	L10	R287	L9
C275	J10	R290	O11
C276	I8	R292	F5
C277	J8	R293	F4
C278	L9	R294	F5
C280	N8	R501	M5
C281	M8	R502	M4
C292	N11	R503	M4
C293	M11	R504	L5
C295	I7	R505	L5
C521	O4	R506	L5
C531	K4	R507	L4
C551	H5	R508	L5
D201	O10	R509	L4
D212	G4	R510	K5
D501	K5	R511	K4
D521	O4	R512	K5
D531	K3	R513	K4
D532	L3	R514	K5
D551	H5	R515	K4
FB201	D10	R516	J5
FB202	F7	R520	M5
FB251	D11	R521	M5
FB252	F9	R522	O4
IC201	D5	R523	O4
IC202	G9	R524	N4
IC501	H4	R525	N4
L203	E3	R531	J3
PN201	B11	R532	J3
PN202	B7	R533	K3
PN301	N4	R534	K3
Q201	N7	R535	L2
Q202	M8	R536	L3
Q203	M9	R537	L3
Q206	F3	R538	L3
Q207	F4	R539	L3
Q208	G3	R550	H3
Q251	N11	R551	H3
Q252	M10	R552	I3
Q253	M9	R553	I3
Q254	L11	R554	I3
Q531	K3	R555	I5
Q532	K3	R556	I5
Q533	K2	R557	I5
Q534	L3	R558	I5
Q535	L2	R559	H5
R201	C10	R560	H5
R202	G7	R561	L3
R203	F8	VR501	L3
R204	F8		
R205	D6		
R208	H7		

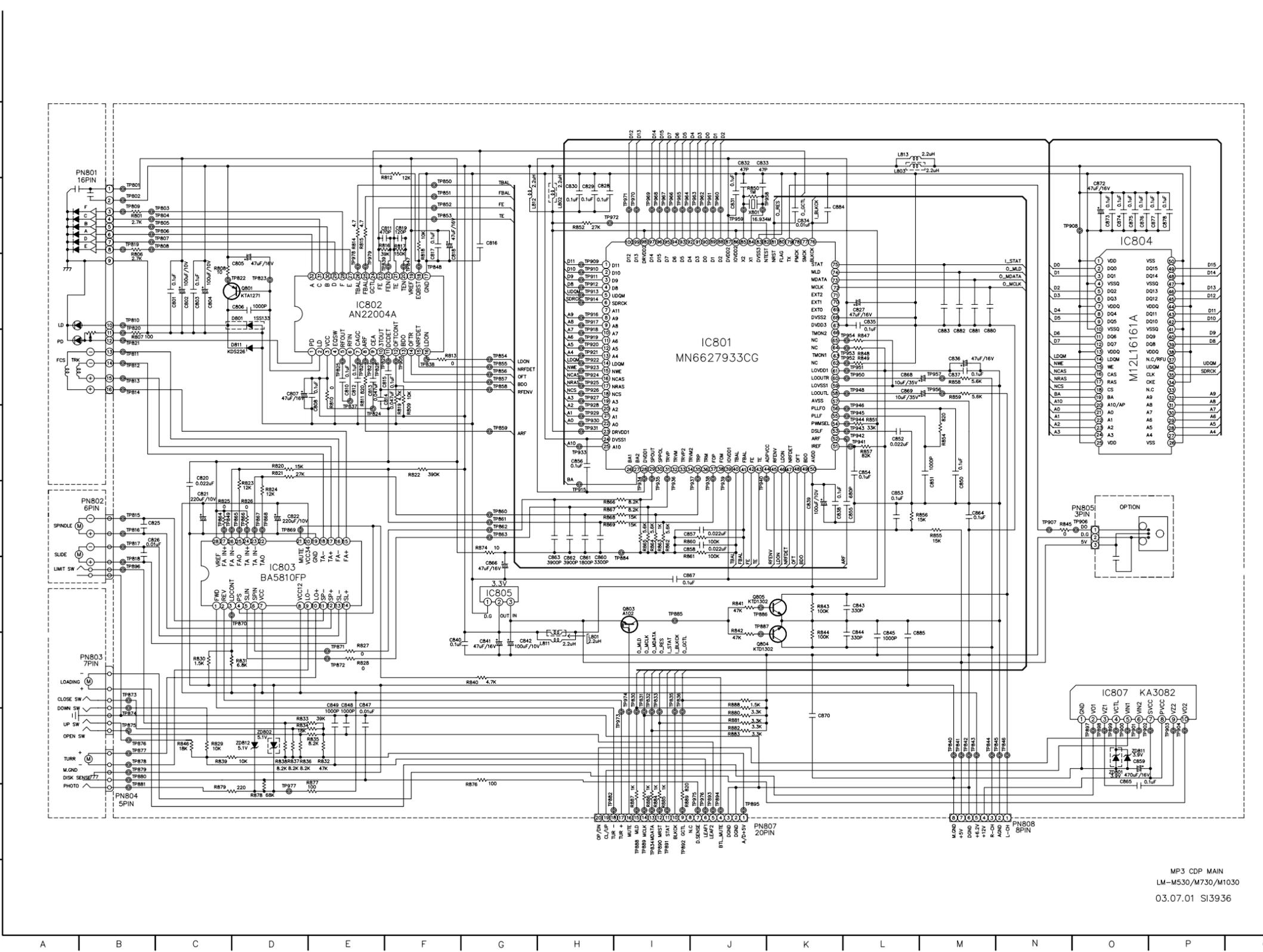


D. SCHEMATIC DECK
03.03.21 SI3981
LM - 230/530

• CDP SCHEMATIC DIAGRAM

LOCATION GUIDE

C801	C9	R810	E7	TP828	F8	TP930	H7
C802	C9	R811	F7	TP829	F8	TP931	H7
C803	C9	R812	F10	TP830	I4	TP933	H7
C804	D9	R813	G8	TP831	I4	TP934	H6
C805	D9	R814	E10	TP832	I4	TP935	H6
C806	D9	R815	F10	TP833	I4	TP936	H6
C807	E8	R816	F10	TP834	I2	TP937	H6
C808	E7	R817	F10	TP835	J4	TP938	H6
C810	E8	R818	F9	TP836	J4	TP939	H6
C811	F10	R819	F9	TP837	E7	TP940	H6
C812	E8	R820	D7	TP838	F8	TP941	L7
C813	F8	R821	D7	TP839	F9	TP942	L7
C814	F8	R822	F7	TP840	M3	TP943	L7
C815	F8	R823	D6	TP841	M3	TP944	L7
C816	G10	R824	D6	TP842	M3	TP945	L7
C817	F9	R825	D6	TP843	N3	TP946	L7
C818	G9	R826	D6	TP844	N3	TP948	L8
C819	F10	R827	E4	TP845	N3	TP950	L8
C820	N7	R828	E4	TP846	N3	TP951	L8
C821	C6	R829	D3	TP847	F9	TP952	L8
C822	E6	R830	C4	TP848	F9	TP953	L8
C825	C6	R831	D4	TP849	D6	TP954	L8
C826	C6	R832	E3	TP850	F10	TP956	M8
C827	L9	R833	E3	TP851	F10	TP957	M8
C828	H10	R834	E3	TP852	F10	TP958	K10
C829	H10	R835	E3	TP853	F10	TP959	J10
C830	H10	R836	E3	TP854	G8	TP960	J10
C831	J10	R837	E3	TP855	G8	TP961	J10
C832	J11	R838	G8	TP856	G8	TP962	J10
C833	K11	R839	D3	TP857	G8	TP963	J10
C834	K10	R840	G4	TP858	G8	TP964	J10
C835	L9	R841	J5	TP859	G7	TP965	J10
C836	M8	R842	J5	TP860	G6	TP966	J10
C837	M8	R843	K5	TP861	G6	TP967	I10
C838	L6	R844	K4	TP862	G6	TP968	I10
C839	K6	R845	O6	TP863	G6	TP969	I10
C840	G4	R846	C3	TP864	D6	TP970	I10
C841	G4	R847	L8	TP865	D6	TP971	I10
C842	H4	R848	L8	TP866	D6	TP972	I10
C843	L5	R849	L8	TP867	D6	TP973	I3
C844	L4	R850	K10	TP868	D6	TP974	I4
C845	L4	R851	L7	TP869	D6	TP975	J2
C846	E4	R852	H10	TP870	D5	TP976	J2
C847	E4	R853	M7	TP871	E4	TP977	E4
C849	E4	R855	M6	TP872	E4	TP978	E9
C850	M6	R856	M6	TP873	B4	TP979	F9
C851	M6	R857	L7	TP874	B3	UDQM	H9
C852	L7	R858	M8	TP875	B3	UDQM	Q8
C853	L6	R859	M6	TP876	C3	ZD801	K10
C854	L7	R860	J6	TP877	C3	ZD802	O3
C855	L6	R861	J5	TP878	C3	ZD811	P3
C856	H7	R862	J6	TP879	C3	ZD812	D3
C857	J6	R863	I6	TP880	C3		
C858	J6	R864	I6	TP881	C2		
C859	P3	R865	I6	TP882	I2		
C860	I5	R866	I6	TP884	I5		
C861	H5	R867	I6	TP885	J5		
C862	H5	R868	I6	TP886	K5		
C863	H5	R869	I6	TP887	K5		
C864	M6	R874	G6	TP888	I2		
C865	O3	R876	G2	TP889	I2		
C866	G5	R877	E2	TP890	I2		
C867	J5	R878	D2	TP891	J2		
C868	M8	R879	D2	TP892	J2		
C869	M8	R880	J3	TP893	J2		
C870	K3	R881	J3	TP894	J2		
C872	O10	R882	J3	TP895	K2		
C873	O10	R883	J3	TP896	B5		
C874	O10	R884	I2	TP897	O3		
C875	P10	R885	I2	TP898	O3		
C876	P10	R886	I2	TP899	O3		
C877	P10	R887	I2	TP900	O3		
C878	P10	R888	J4	TP901	P3		
C880	N8	R889	J2	TP902	P3		
C881	M8	TP801	B10	TP903	P3		
C882	M8	TP802	B10	TP904	P3		
C883	M8	TP803	C10	TP905	F8		
C884	L10	TP804	C10	TP906	O6		
C885	M4	TP805	C10	TP907	N6		
IC801	J8	TP806	C10	TP908	O10		
IC802	E9	TP807	C10	TP909	H9		
IC803	D5	TP808	C10	TP910	H9		
IC804	O10	TP809	B10	TP911	H9		
IC805	O5	TP810	B9	TP912	H9		
IC807	O4	TP811	B8	TP913	H9		
PN801	B11	TP812	B8	TP914	H9		
PN802	B6	TP813	B8	TP915	H6		
PN803	B4	TP814	B8	TP916	H9		
PN804	B2	TP815	B6	TP917	H8		
PN805	O6	TP816	B6	TP918	H8		
PN807	K2	TP817	B6	TP919	H8		
PN808	N2	TP818	B5	TP920	H8		
Q801	D9	TP819	S10	TP921	H8		
Q803	K5	TP820	B8	TP922	H8		
Q804	K4	TP821	B8	TP923	H8		
Q805	K5	TP822	D9	TP924	H8		
R801	B10	TP823	D9	TP925	H8		
R806	B9	TP824	F7	TP926	H8		
R807	B8	TP825	E8	TP927	H8		
R808	D9	TP826	F8	TP928	H7		
R809	F7	TP827	F8	TP929	H7		



MP3 CDP MAIN
LM-M530/M730/M1030
03.07.01 SI3936

WIRING DIAGRAM

NOTE: Warning
 Parts that are shaded are critical With respect to risk of fire or electrical shock.

NOTE:
 1. Shaded(■) parts are critical for safety. Replace only with specified part number.
 2. Voltages are DC-measured with a digital voltmeter during Play mode.

3CD CHANGER MECHANISM ASSY

LM-230/530 WIRING DIAGRAM

