



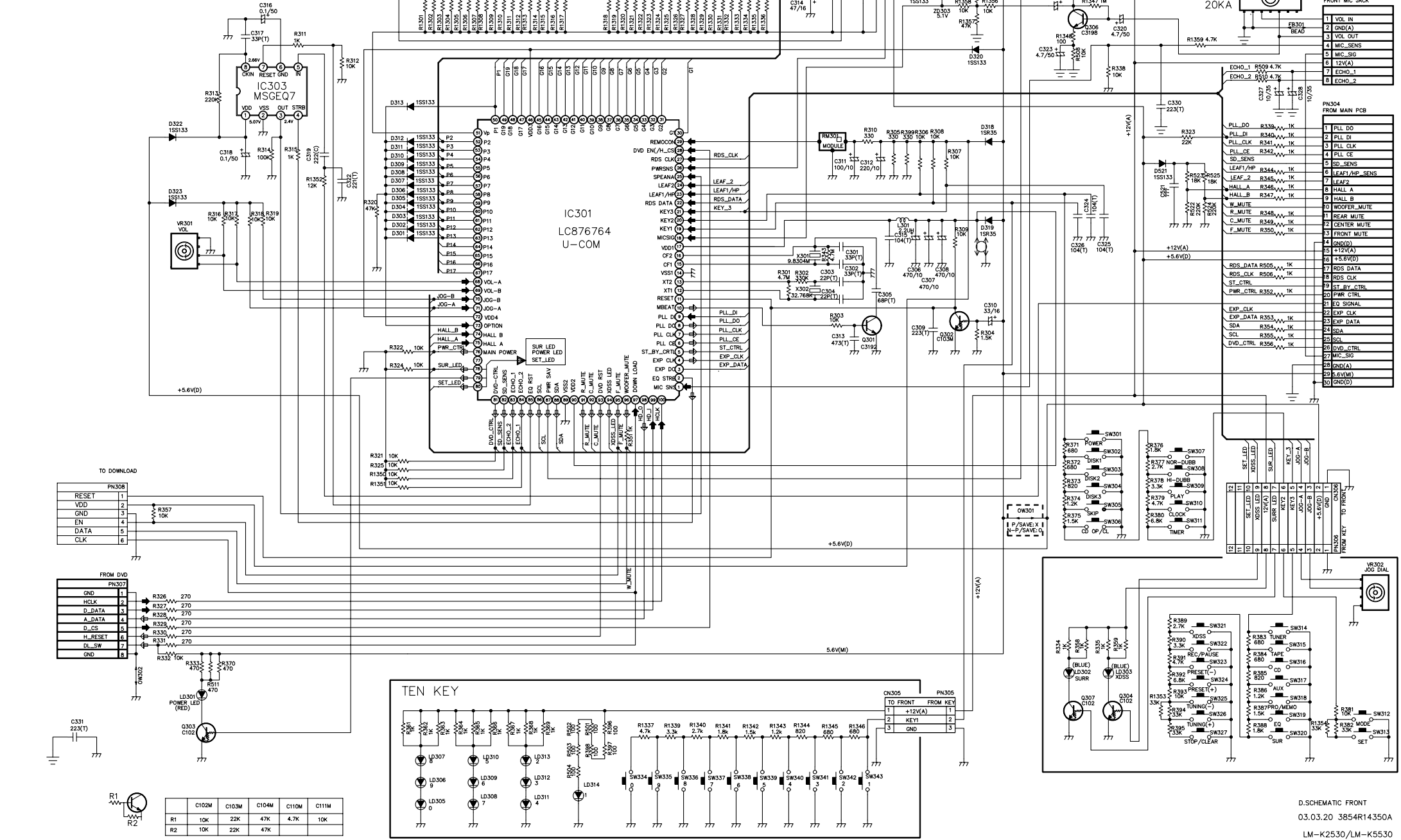
<http://www.espec.ws/>

LG LM-K2930

FRONT SCHEMATIC DIAGRAM

DIODE OPTION TABLE

No	Symbol	CONTENTS	DESCRIPTION
63	D301	COLON	BLINKING
62	D302	RDS	N-RDS
61	D303	AM STEP	10kHz
60	D304	FM STEP	50kHz
59	D305	AREA-1	EUR-1
58	D306	AREA-2	EUR-2
57	D307	AREA-3	EUR-3
56	D308	DECK A-REVS	S/A-RVS
55	D309	POWER SAVE	POWER SAVE
54	D310	D/A-REVS	D/A-RVS
53	D311	VOLUME	INITIAL MODE
52	D312	MODE OPTION	LM-K2530

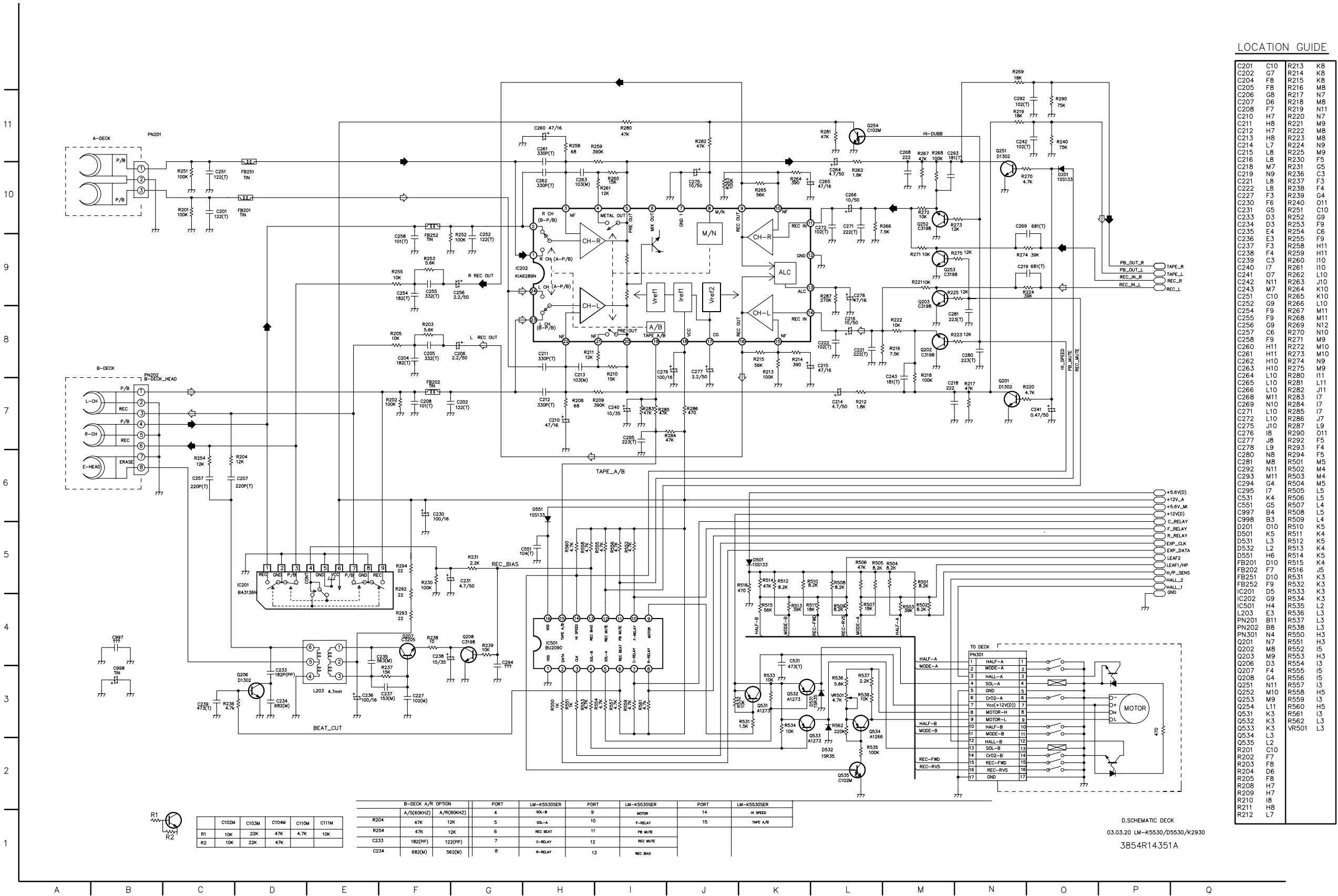


LOCATION GUIDE

C301	K8	R1359	O10	R524	O8
C302	K7	R301	J7	R525	O8
C303	J7	R302	J7	RM301	J9
C304	J7	R303	J7	SW301	N6
C305	K7	R304	L7	SW302	N5
C306	K7	R305	K9	SW303	N5
C307	L7	R306	K9	SW304	N5
C308	L7	R307	L9	SW305	N5
C309	K7	R308	L9	SW306	N5
C310	L7	R309	L8	SW307	O5
C311	K9	R310	K9	SW308	O5
C312	K9	R311	D10	SW309	O5
C313	J7	R312	F10	SW310	O5
C314	J10	R313	C9	SW311	O5
C315	K8	R314	D9	SW312	Q2
C316	D10	R315	D9	SW313	Q2
C317	D10	R316	C8	SW314	P3
C318	D9	R317	D8	SW315	P3
C319	E9	R318	D8	SW316	P3
C320	N10	R319	D8	SW317	P3
C321	M11	R320	E8	SW318	P3
C322	E8	R321	E5	SW319	P2
C323	M10	R322	E7	SW320	P2
C324	N9	R323	N9	SW321	O3
C325	N8	R324	N6	SW322	O3
C326	M8	R325	E5	SW323	O3
C327	O9	R326	C4	SW324	O3
C328	P9	R327	C4	SW325	O3
C329	L11	R328	C3	SW326	O2
C330	N9	R329	C3	SW327	O2
C331	B2	R330	C3	SW334	H2
C332	N8	R331	C3	SW335	H2
C333	P12	R332	C3	SW336	I2
C334	K3	R333	C3	SW337	I2
C335	K3	R334	M3	SW338	I2
D301	E8	R335	M3	SW339	J2
D302	E8	R336	O11	SW340	J2
D303	E8	R337	N10	SW341	J2
D304	E8	R338	O9	SW342	K2
D305	E8	R339	O9	SW343	K2
D306	E8	R340	O9	SW344	K2
D307	E8	R341	O9	VR301	C8
D308	E8	R342	O9	VR302	Q4
D309	E8	R343	J8	VR303	O11
D310	E9	R344	O8	X301	J7
D311	E9	R345	O8	X302	J8
D312	E9	R346	O8	XD55_LEDB5	
D313	E9	R347	O8	XD55_LEDB5	
D314	L9	R348	O8	ZD301	K11
D315	L8	R349	O8	ZD302	J10
D316	L8	R350	O8	ZD303	L11
D317	L10	R351	H5		
D318	L10	R352	O7		
D319	C8	R353	O7		
D320	K11	R354	O7		
D321	N9	R355	O7		
D322	N9	R356	O7		
D323	C8	R357	O7		
D324	K11	R358	O7		
D325	N9	R359	O7		
D326	F1	R360	F2		
D327	F1	R361	F2		
D328	F2	R362	F2		
D329	F2	R363	F2		
D330	F2	R364	F2		
D331	G2	R365	F2		
D332	G2	R366	F2		
D333	G2	R367	F2		
D334	H2	R368	F2		
D335	H2	R369	F2		
D336	H2	R370	D3		
D337	M5	R371	M5		
D338	M5	R372	M5		
D339	M5	R373	M5		
D340	C3	R374	M5		
D341	P11	R375	M5		
D342	P9	R376	N5		
D343	L3	R377	N5		
D344	P4	R378	N5		
D345	B4	R379	N5		
D346	B5	R380	N5		
D347	P2	R381	P2		
D348	P2	R382	P2		
D349	K7	R383	O3		
D350	L7	R384	O3		
D351	C2	R385	O3		
D352	N3	R386	O3		
D353	M10	R387	O2		
D354	M3	R388	O2		
D355	G8	R389	N3		
D356	D9	R390	N3		
D357	J10	R391	N3		
D358	H2	R392	N3		
D359	I2	R393	N3		
D360	I2	R394	N2		
D361	I2	R395	N2		
D362	I2	R396	H2		
D363	J2	R397	H2		
D364	J2	R398	H2		
D365	J2	R399	H2		
D366	K2	R400	H2		
D367	M10	R502	H2		
D368	M10	R503	H2		
D369	M11	R504	H2		
D370	E5	R505	O7		
D371	E5	R506	O7		
D372	E8	R507	O11		
D373	N3	R508	M10		
D374	F2	R509	O10		
D375	L11	R510	O10		
D376	L10	R511	C3		
D377	L10	R512	O8		
D378	L10	R523	O8		
D379	L10	R524	O8		
D380	L10	R525	O8		

D. SCHEMATIC FRONT
03.03.20 3854R14350A
LM-K2530/LM-K5530

• DECK SCHEMATIC DIAGRAM



LOCATION GUIDE


C201	C10	R213	K8
C202	G7	R214	K8
C204	F8	R215	K8
C205	F8	R216	M8
C206	G8	R217	N7
C207	D6	R218	M8
C208	F7	R219	N11
C210	H7	R220	N7
C211	H8	R221	M9
C212	H7	R222	M8
C213	H8	R223	M8
C214	L7	R224	N9
C215	L8	R225	M9
C216	L8	R230	F5
C218	M7	R231	G5
C219	N9	R236	C3
C221	L8	R237	F3
C222	L8	R238	F4
C227	F3	R239	G4
C230	F6	R240	O11
C231	G5	R251	C10
C233	D3	R252	G9
C234	D3	R253	F9
C235	E4	R254	C6
C236	E3	R255	F9
C237	F3	R258	H11
C238	F4	R259	H11
C239	C3	R260	I10
C240	I7	R261	I10
C241	O7	R262	L10
C242	N11	R263	J10
C243	M7	R264	K10
C251	C10	R265	K10
C252	G9	R266	L10
C254	F9	R267	M11
C255	F9	R268	M11
C256	G9	R269	N12
C257	C6	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	M11	R283	I7
C269	N10	R284	I7
C271	L10	R285	I7
C272	L10	R286	J7
C275	J10	R287	L9
C276	I8	R290	O11
C277	J8	R292	F5
C278	L9	R293	F4
C280	N8	R294	M5
C281	M8	R501	M5
C292	N11	R502	M4
C293	M11	R503	M4
C294	G4	R504	M5
C295	I7	R505	L5
C531	K4	R506	L5
C551	G5	R507	L4
O997	B4	R508	L5
O998	B3	R509	L4
D510	O10	R510	K5
D511	K5	R511	K4
D531	L3	R512	K5
D532	L2	R513	K4
D551	H6	R514	K5
FB201	D10	R515	K4
FB202	F7	R516	J5
FB251	D10	R531	K3
FB252	F9	R532	K3
IC201	D5	R533	K3
IC202	G9	R534	K3
IC501	H4	R535	L2
LC203	E3	R536	L3
PN201	B11	R537	L3
PN202	B8	R538	L3
PN301	N4	R550	H3
Q201	N7	R551	H3
Q202	M8	R552	I5
Q203	M9	R553	H3
Q206	D3	R554	I3
Q207	F4	R555	I5
Q208	G4	R556	I5
Q251	N11	R557	I3
Q252	M10	R558	H5
Q253	M9	R559	I3
Q254	L11	R560	H5
Q531	K3	R561	I3
Q532	K3	R562	I3
Q533	K3	VR501	L3
Q534	L3		
Q535	L2		
R201	C10		
R202	F7		
R203	F8		
R204	D6		
R205	F8		
R208	H7		
R209	H7		
R210	I8		
R211	H8		
R212	L7		

R1	10K	22K	47K	4.7K	10K
R2	10K	22K	47K	4.7K	10K

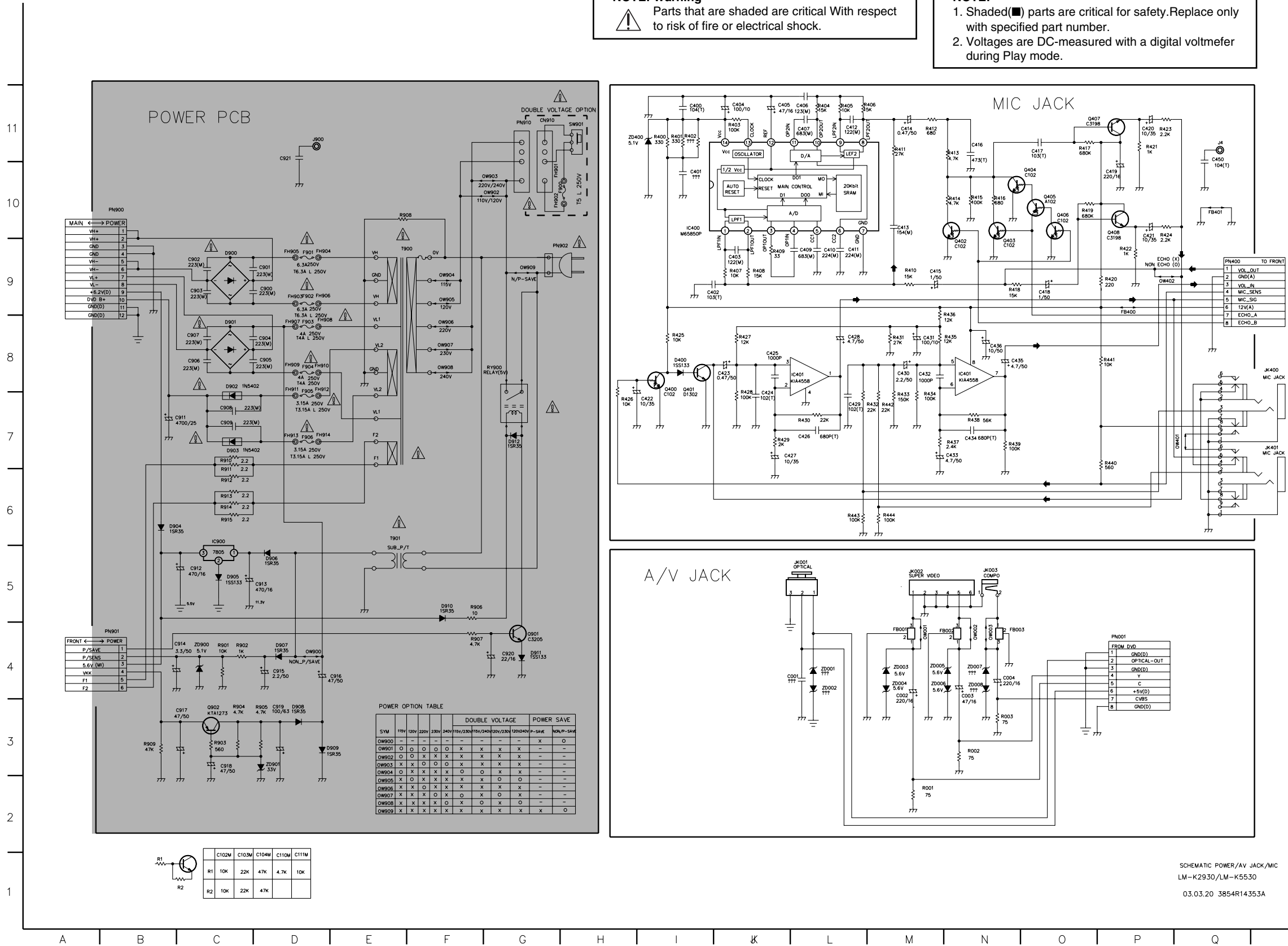
B-DECK A/R OPTION		PORT	LM-K5530SER	PORT	LM-K5530SER
R204	A/S(60KHZ)	4	SOL-B	9	MOTOR
R254	A/R(80KHZ)	5	SOL-A	10	F-RELAY
C233	182(PP)	6	REC BEAT	11	FB MUTE
C234	682(M)	7	C-RELAY	12	REC MUTE
		8	R-RELAY	13	REC BIAS

D.SCHEMATIC DECK
03.03.20 LM-K5530/D5530/K2930
3854R14351A

• POWER/AV JACK/MIC SCHEMATIC DIAGRAM

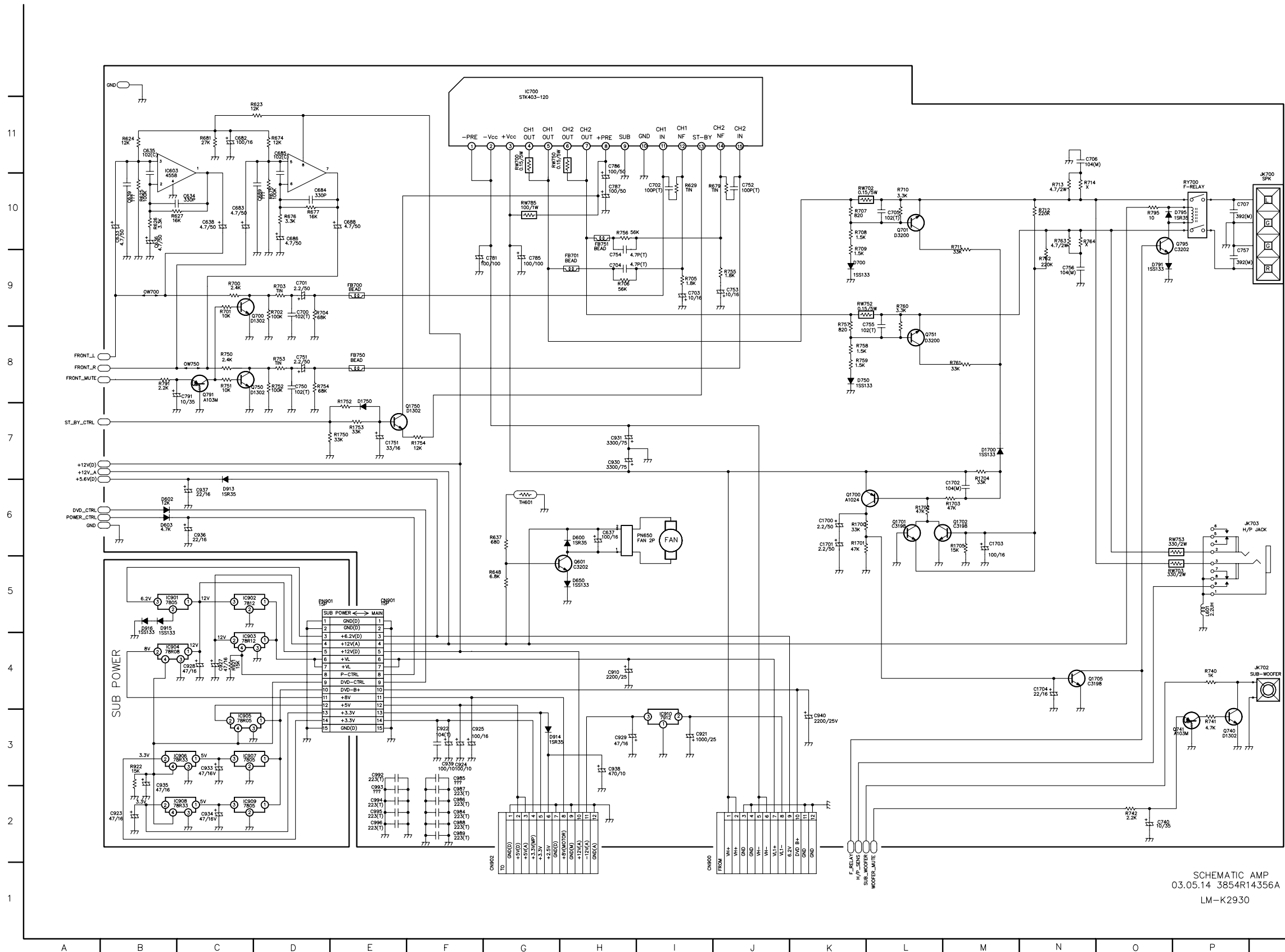
NOTE: Warning
 Parts that are shaded are critical With respect to risk of fire or electrical shock.

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.



SCHEMATIC POWER/AV JACK/MIC
 LM-K2930/LM-K5530
 03.03.20 3854R14353A

• AMP SCHEMATIC DIAGRAM



LOCATION GUIDE

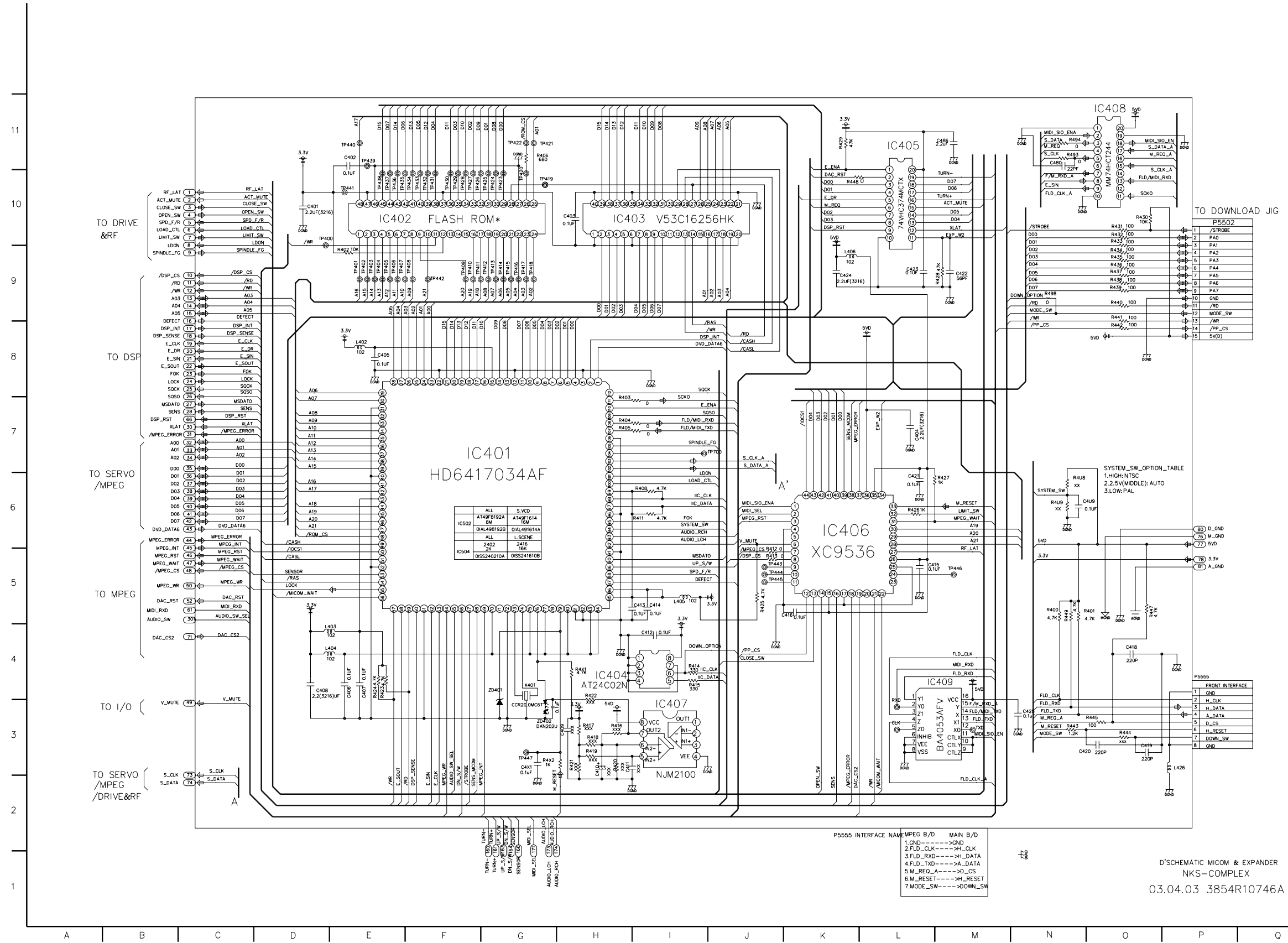
C1700	K6	OW750	C8
C1701	K6	PN650	I6
C1702	M6	PN901	D5
C1703	M6	POWER_CTRL	
C1704	N4	Q1700	K6
C1751	E7	Q1701	L6
C633	B10	Q1702	M6
C634	C10	Q1705	N4
C635	B11	Q1750	E7
C636	B10	Q601	H5
C637	H6	Q700	C9
C638	C10	Q701	L10
C639	B10	Q740	P3
C682	C11	Q741	P3
C683	C10	Q750	C8
C684	D10	Q751	L8
C685	D11	Q791	C8
C686	D10	Q795	P10
C688	E10	R1700	K6
C689	D10	R1701	K6
C700	D9	R1702	L6
C701	D9	R1703	M6
C702	I10	R1704	M6
C703	I9	R1705	M6
C704	H9	R1750	E7
C705	L10	R1752	E7
C706	N11	R1753	E7
C707	P10	R1754	F7
C740	O2	R623	C11
C750	D8	R624	B11
C751	D8	R625	B10
C752	J9	R626	B10
C753	J9	R627	B10
C754	H9	R629	I10
C755	K9	R637	G6
C756	N9	R648	G5
C757	P9	R674	D11
C781	G9	R675	D10
C785	G9	R676	D10
C786	H11	R677	D10
C787	H10	R679	I10
C791	C8	R681	C11
C910	H4	R700	C9
C921	I3	R701	C9
C922	F3	R702	D9
C923	B2	R703	D9
C924	F3	R704	D9
C925	F3	R705	I9
C927	C4	R706	H8
C928	C4	R707	K10
C929	H3	R708	K10
C930	H7	R709	K9
C931	H7	R710	L10
C933	C3	R711	M10
C934	C2	R712	N10
C935	B2	R713	N10
C936	C6	R714	N10
C937	C6	R740	P4
C938	H3	R741	P3
C939	F3	R742	O2
C940	K3	R750	C8
C984	F2	R751	C8
C985	F3	R752	D8
C986	F2	R753	D8
C987	F2	R754	D8
C988	F2	R755	J9
C989	F2	R756	H10
C992	E3	R757	K9
C993	E2	R758	K8
C994	E2	R759	K8
C995	E2	R760	L9
C996	E2	R761	M8
CN900	I1	R762	N9
CN901	E5	R763	N10
CN902	G1	R764	N10
D1700	M7	R791	B8
D1750	E8	R795	O10
D600	H6	R921	C4
D602	B6	R922	B3
D603	B6	RW700	K11
D650	H5	RW702	G10
D700	K9	RW703	O5
D750	K8	RW750	G11
D791	O9	RW752	K9
D795	P10	RW753	O6
D913	C6	RW785	G10
D914	G3	RY700	P10
D915	B5	TH601	
D916	B5		
FB700	E9		
FB701	H9		
FB750	E8		
FB751	H10		
IC603	B11		
IC700	G12		
IC901	B5		
IC902	C5		
IC903	C4		
IC904	E4		
IC905	C3		
IC906	B3		
IC907	C3		
IC908	B2		
IC909	C2		
IC910	I3		
JK700	O10		
JK702	O4		
JK703	P6		
L601	P5		
OW700	B9		

SCHMATIC AMP
03.05.14 3854R14.356A
LM-K2930

SCHEMATIC DIAGRAMS

• MICOM & EXPANDER SCHEMATIC DIAGRAM

LOCATION GUIDE

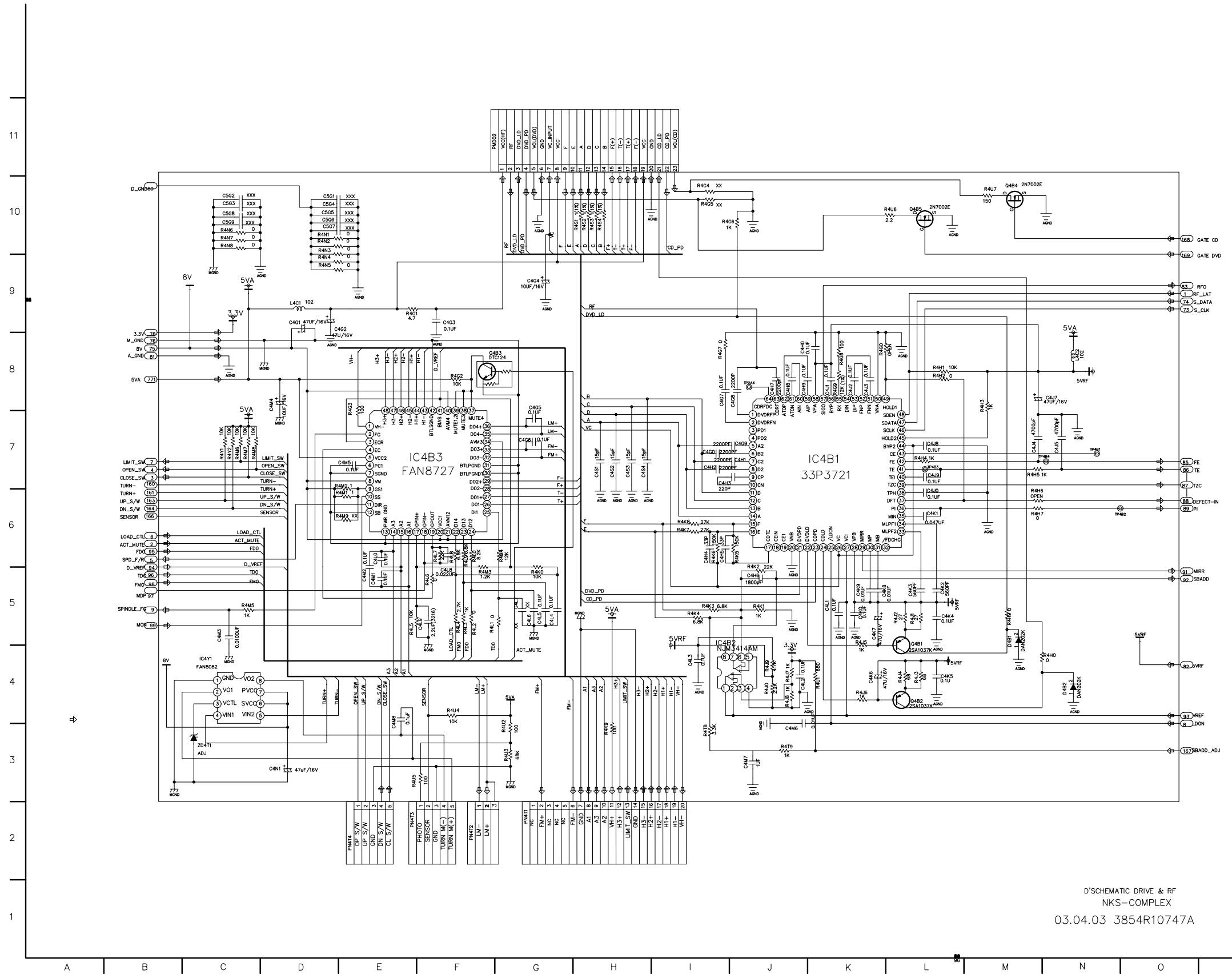


C401	D10
C403	E11
C404	H10
C405	L7
C406	E8
C407	E4
C408	D4
C409	H3
C410	H2
C411	H3
C412	I4
C413	I5
C414	I5
C415	L5
C416	J5
C418	O4
C419	O3
C420	N3
C421	L6
C422	M9
C423	L9
C424	K9
C425	N3
C477	G3
C480	N11
C486	M11
C4U9	N6
C4X1	G3
IC401	F7
IC402	E10
IC403	H10
IC404	H4
IC405	L11
IC406	K6
IC407	I3
IC408	O11
L402	E8
L403	D4
L404	D4
L405	I5
L406	K9
L426	E3
R400	N5
R401	N5
R402	E9
R403	H7
R404	H7
R405	H7
R406	G11
R408	I6
R411	I6
R412	J5
R413	J5
R414	I4
R415	I4
R416	H3
R417	H3
R418	H3
R419	H3
R420	H3
R421	H3
R422	H4
R423	E4
R424	E4
R425	J5
R426	L6
R427	M6
R428	M9
R429	K11
R430	O10
R431	O10
R432	O10
R433	O10
R434	O9
R435	O9
R436	O9
R437	O9
R438	O9
R439	O9
R440	O9
R441	O9
R442	O8
R443	N3
R444	O3
R445	O3
R447	O5
R448	H10
R449	N5
R493	N11
R494	N11
R498	N9
R4U8	N6
R4U9	N6
R4X1	H4
R4X2	G3
X401	G4
XLAT	M10
ZD401	G4
ZD402	G3

P5555 INTERFACE NAME MPEG B/D MAIN B/D
 1. GND ---> XGND
 2. FLD_CLK ---> SH_CLK
 3. FLD_RXD ---> SH_DATA
 4. FLD_TXD ---> SA_DATA
 5. M_REQ_A ---> D_CS
 6. M_RESET ---> H_RESET
 7. MODE_SW ---> DOWN_SW

D'SCHEMATIC MICOM & EXPANDER
 NKS-COMPLEX
 03.04.03 3854R10746A

• DRIVE & RF SCHEMATIC DIAGRAM

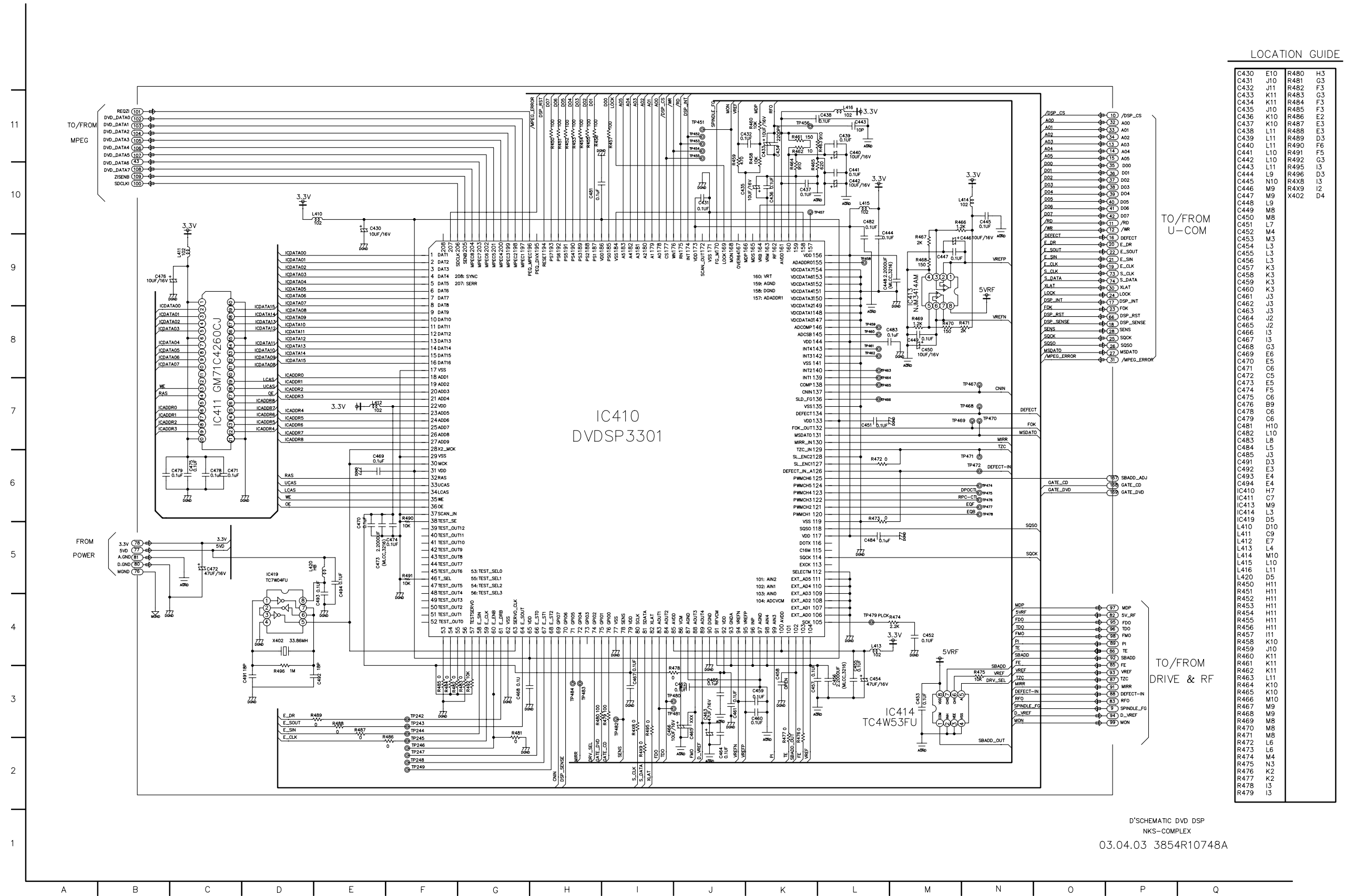


LOCATION GUIDE

C400	I7	R4H1	L8
C401	D9	R4H2	L8
C402	D9	R4H3	M7
C403	F9	R4H4	L7
C404	O9	R4H5	M7
C405	G8	R4H6	M6
C406	G7	R4H7	M6
C407	I8	R4H9	M5
C408	J8	R4J0	J4
C409	J7	R4J1	L5
C4H0	J8	R4J2	L5
C4H1	J7	R4J3	L4
C4H2	I7	R4J4	L4
C4H3	I7	R4J5	K5
C4H4	I6	R4J6	K4
C4H5	I6	R4J7	J4
C4H6	J5	R4J8	J4
C4H7	J8	R4J9	J4
C4H8	J8	R4K0	G5
C4H9	J8	R4K1	J5
C4J0	L6	R4K2	J5
C4J1	K8	R4K3	I5
C4J2	K8	R4K4	I5
C4J3	K8	R4K5	J6
C4J4	M7	R4K6	I6
C4J5	N7	R4K7	I6
C4J7	N8	R4K8	I6
C4J8	L7	R4K9	H3
C4J9	L7	R4L0	F6
C4K0	K5	R4L1	F5
C4K1	L6	R4L2	F5
C4K2	L5	R4L3	F5
C4K3	L5	R4L4	F5
C4K4	L5	R4L5	F5
C4K5	L4	R4L6	F5
C4K6	K4	R4L7	F6
C4K7	K5	R4L8	F6
C4K8	L5	R4L9	F6
C4K9	K5	R4M1	C7
C4L0	E6	R4M2	D7
C4L1	K5	R4M3	F5
C4L2	J4	R4M4	G6
C4L3	K4	R4M5	C5
C4L4	G5	R4M6	C7
C4L5	G5	R4M7	C7
C4L6	G5	R4M8	C7
C4L7	G5	R4M9	D6
C4L8	F5	R4N1	D10
C4L9	F5	R4N2	D10
C4M1	E5	R4N3	D10
C4M2	E5	R4N4	D9
C4M3	C5	R4N5	D9
C4M4	D8	R4N6	C10
C4M5	C7	R4N7	C10
C4M6	J3	R4N8	C10
C4M7	J3	R4S1	H10
C4M8	E3	R4S2	H10
C4N1	D3	R4S3	H10
C4S1	H7	R4S4	H10
C4S2	H7	R4T8	I3
C4S3	H7	R4T9	J3
C4S4	H7	R4U1	K4
C501	D10	R4U2	G3
C502	C10	R4U3	G3
C503	C10	R4U4	F4
C504	D10	R4U5	E3
C505	D10	R4U6	K10
C506	D10	R4U7	M10
C507	D10	R4Y1	C7
C508	C10	R4Y2	C7
C509	C10	SENSOR	D6
D4B1	M4	SENSOR	F4
D4B2	N4	ZD4T1	C3
IC4B1	K7		
IC4B2	I5		
IC4B3	E7		
IC4Y1	C4		
L4C1	D9		
L4C2	N8		
Q4B1	L4		
Q4B2	L4		
Q4B3	F8		
Q4B4	M10		
Q4B5	L10		
R400	K8		
R401	E9		
R402	F8		
R403	E7		
R404	I10		
R405	I10		
R406	I10		
R407	I6		
R408	K8		
R409	K8		
R4H0	N4		

D'SCHEMATIC DRIVE & RF
NKS-COMPLEX
03.04.03 3854R10747A

DVD DSP SCHEMATIC DIAGRAM



LOCATION GUIDE

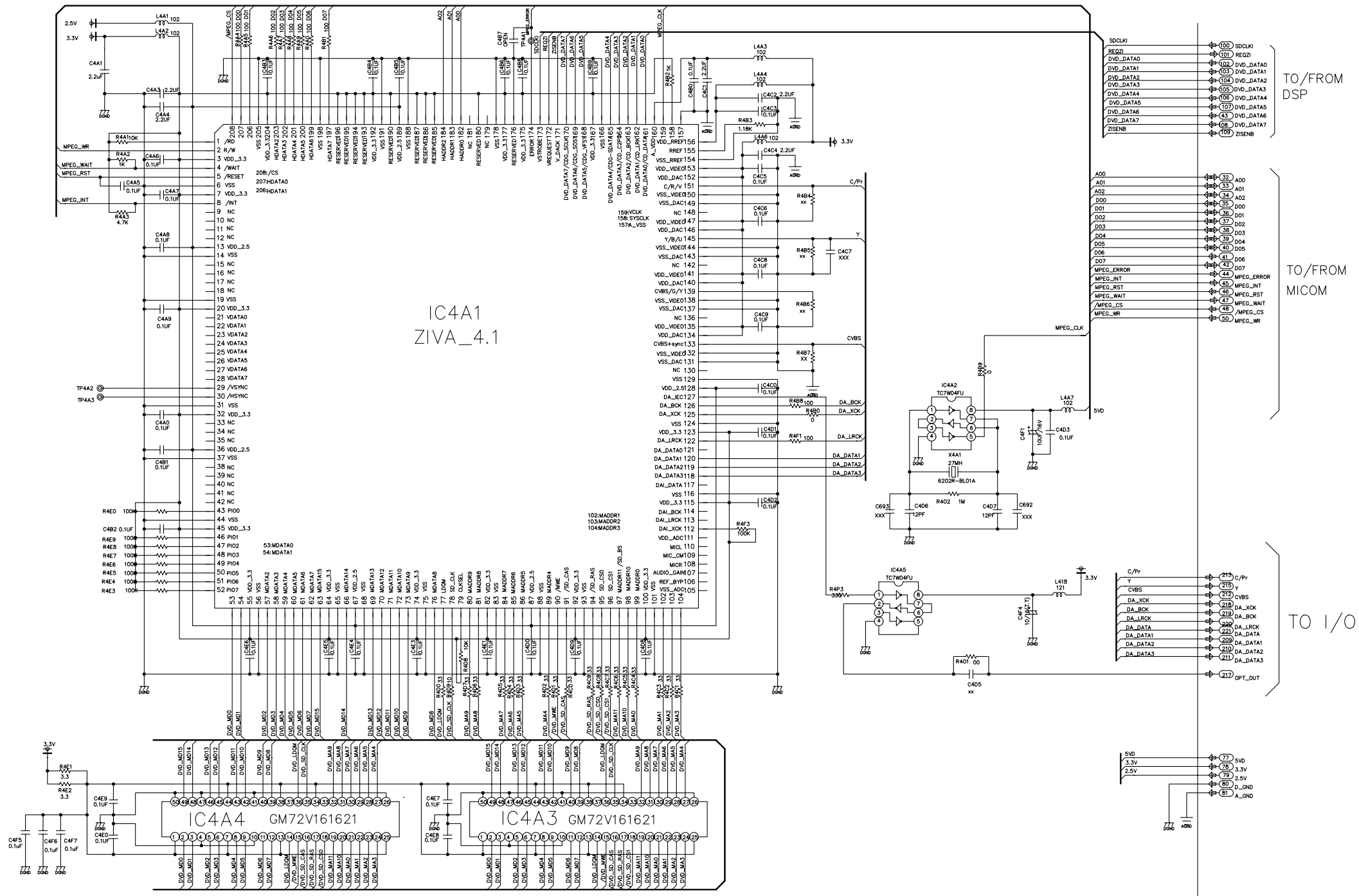
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C436	K10	R486	E2
C437	K10	R487	E3
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C440	L11	R490	F6
C441	L10	R491	F5
C442	L10	R492	G3
C443	L11	R493	I3
C444	L9	R494	D3
C445	N10	R495	I3
C446	M9	R496	I3
C447	M9	R497	I2
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C462	J3		
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C465	J2		
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C473	E5		
C474	F5		
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C598	H11		
C599	H11		
C600	H11		

D'SCHEMATIC DVD DSP
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• MPEG (W/S) SCHEMATIC DIAGRAM

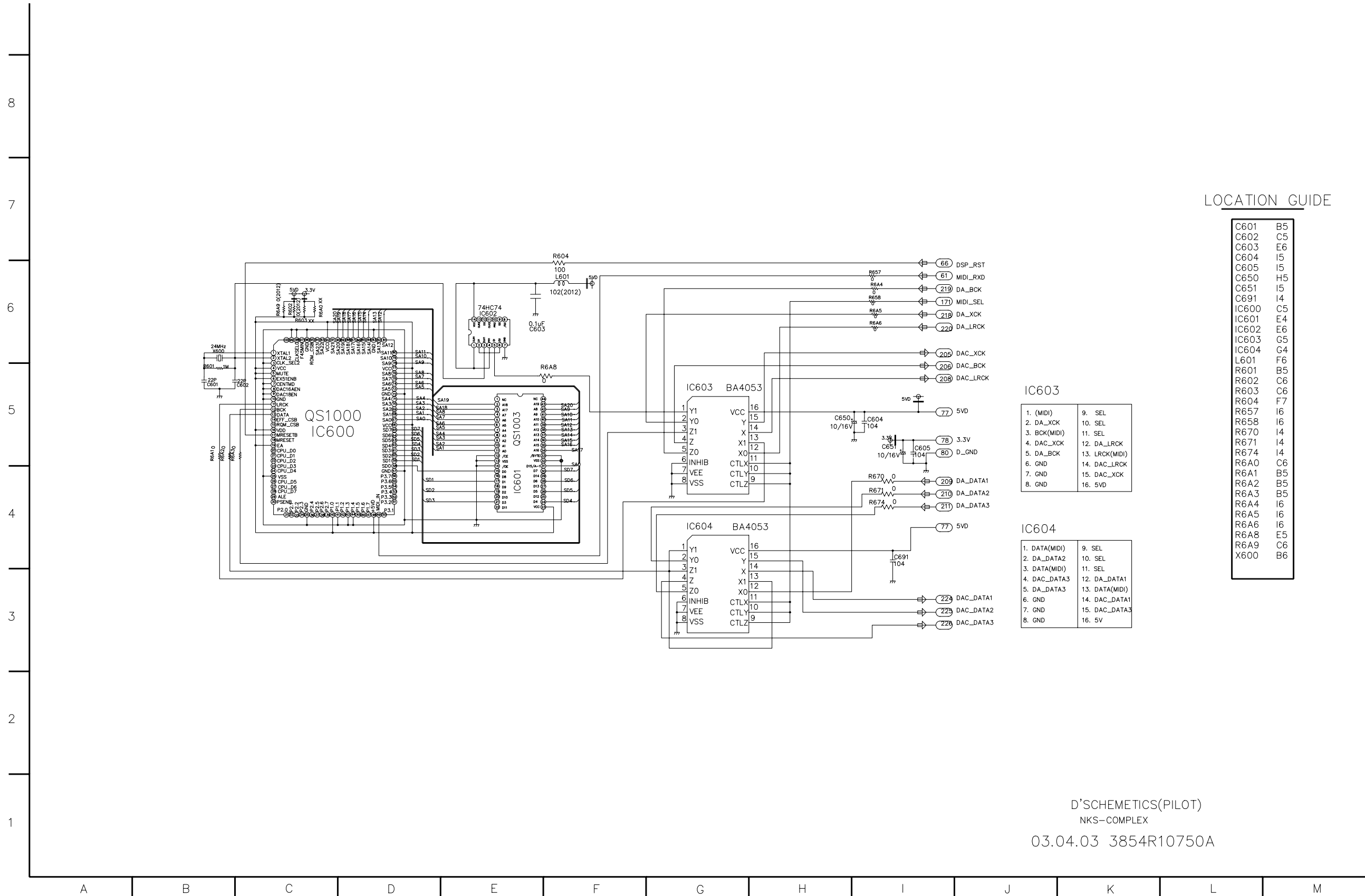
LOCATION GUIDE

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C4A4	C11	R4E4	C5
C4A5	C10	R4E5	C5
C4A6	C10	R4E6	C5
C4A7	C10	R4E7	C6
C4A8	C9	R4E8	C6
C4A9	C8	R4E9	C6
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C4B1	C7	R4F3	J6
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C4B3	D11	R4O2	L6
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C4B5	F11	REQZ1	H11
C4B6	G11	REQZ1	N11
C4B7	G11	TP4A1	G11
C4B8	G11	TP4A2	B7
C4B9	H11	TP4A3	B7
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C4C8	J9		
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C4E6	D4		
C4E7	F3		
C4E8	F2		
C4E9	B3		
C4F1	M7		
C4F4	M5		
C4F5	B2		
C4F6	B2		
C4F7	B2		
C6B2	M6		
C6B3	K6		
IC4A1	F8		
IC4A2	L8		
IC4A3	G3		
IC4A4	D3		
IC4A5	L5		
L41B	M5		
L4A1	C12		
L4A2	C12		
L4A3	J11		
L4A4	J11		
L4A6	J10		
L4A7	M7		
R4A0	E11		
R4A1	C10		
R4A2	C10		
R4A3	C9		
R4A4	D11		
R4A5	D11		
R4A6	E11		
R4A7	E11		
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R4B6	J8		
R4B7	J8		
R4B8	J7		
R4B9	M8		
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R4C3	I4		
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R4C6	H4		
R4C7	H4		
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R4D4	G4		
R4D5	G4		
R4D6	C4		
R4D7	G4		
R4D8	G4		
R4D9	G4		
R4E0	C6		



D'SCHEMATIC MPEG(W/S)
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• MIDI SCHEMATIC DIAGRAM



LOCATION GUIDE

C601	B5
C602	C5
C603	E6
C604	I5
C605	I5
C650	H5
C651	I5
C691	I4
IC600	C5
IC601	E4
IC602	E6
IC603	G5
IC604	G4
L601	F6
R601	B5
R602	C6
R603	C6
R604	F7
R657	I6
R658	I6
R670	I4
R671	I4
R674	I4
R6A0	C6
R6A1	B5
R6A2	B5
R6A3	B5
R6A4	I6
R6A5	I6
R6A6	I6
R6A8	E5
R6A9	C6
X600	B6

IC603

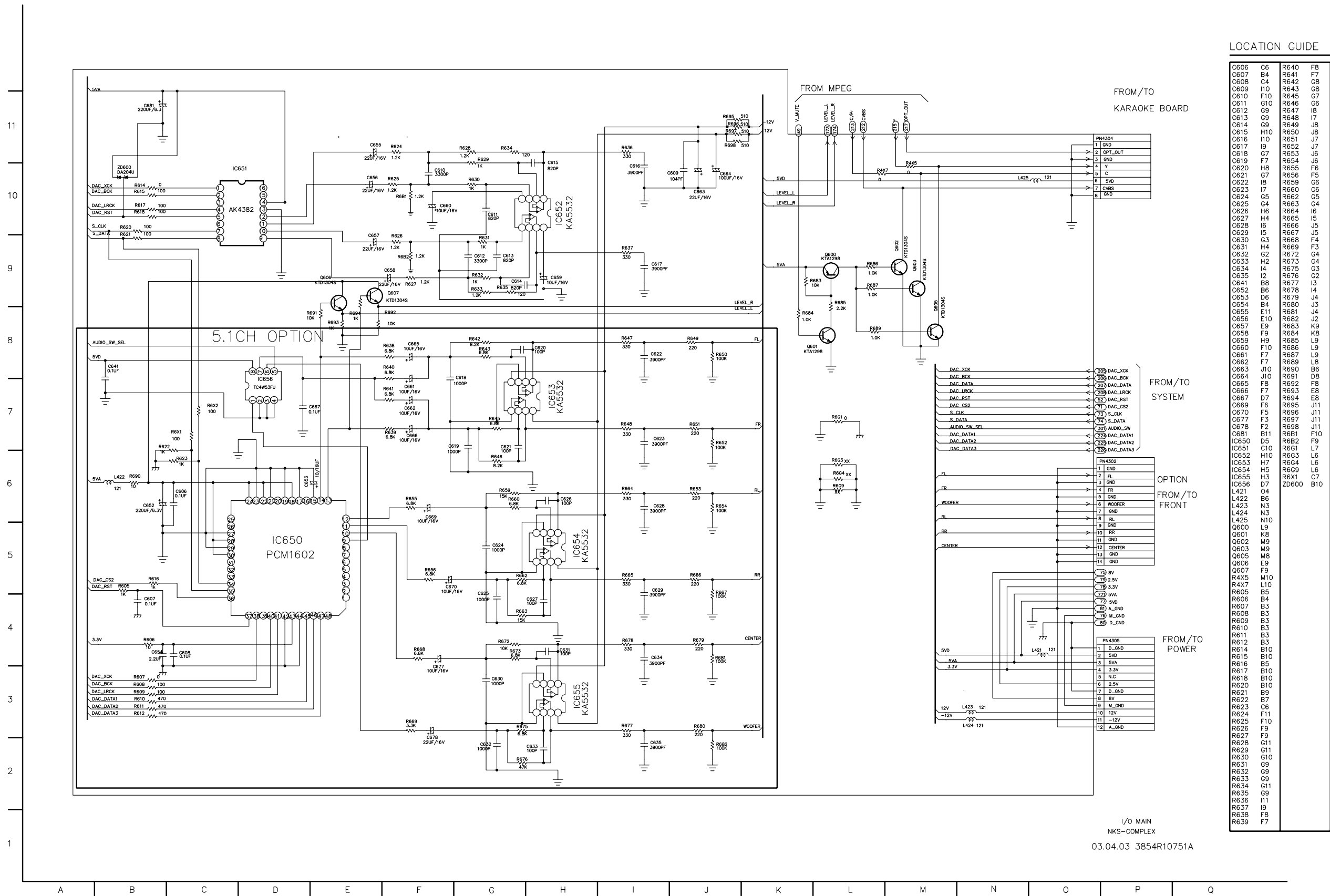
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2. DA_XCK	10. SEL
3. BCK(MIDI)	11. SEL
4. DAC_XCK	12. DA_LRCK
5. DA_BCK	13. LRCK(MIDI)
6. GND	14. DAC_LRCK
7. GND	15. DAC_XCK
8. GND	16. 5VD

IC604

1. DATA(MIDI)	9. SEL
2. DA_DATA2	10. SEL
3. DATA(MIDI)	11. SEL
4. DAC_DATA3	12. DA_DATA1
5. DA_DATA3	13. DATA(MIDI)
6. GND	14. DAC_DATA1
7. GND	15. DAC_DATA3
8. GND	16. 5V

D'SCHEMATICS(PILOT)
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I/O MAIN SCHEMATIC DIAGRAM



LOCATION GUIDE

C606	C6	R640	F8
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C610	F10	R645	G7
C611	G10	R646	G6
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C616	I10	R651	J7
C617	I9	R652	J7
C618	G7	R653	J6
C619	F7	R654	J6
C620	H8	R655	F6
C621	G7	R656	F5
C622	I8	R659	G6
C623	I7	R660	G6
C624	G5	R660	G5
C625	G4	R663	G4
C626	H6	R664	I6
C627	H4	R665	I5
C628	I6	R666	J5
C629	I5	R667	J5
C630	G3	R668	F4
C631	H4	R669	F3
C632	G2	R672	G4
C633	H2	R673	G4
C634	I4	R675	G3
C635	I2	R676	C2
C641	B8	R677	I3
C652	B6	R678	I4
C653	D6	R679	J4
C654	B4	R680	J3
C655	E11	R681	J4
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I/O MAIN
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