

Service Schematics

NOKIA 6290

RM-176



Introduction

Important:

This document is intended for use by authorized service centers only.

“Service Schematics“ was created with focus on customer care.
The purpose of this document is to provide further technical repair information for NOKIA mobile phones on Level 3/4 service activities.
It contains additional information such as e.g. “Component finder”,
“Frequency band table” or “Antenna switch table”.
The “Signal overview” page gives a good and fast overview about the most important signals and voltages on board.
Saving process time and improving the repair quality is the aim of this document.
It is to be used additionally to the service manual and other training or service information such as Service Bulletins.

All measurements were made using following equipment:

Nokia repair SW	:	Phoenix version 2006.44.6.163
Oscilloscope	:	Fluke PM 3380A/B
Spectrum Analyzer	:	Advanced R3162 with an analog probe
RF-Generator/GSM Tester	:	Rhode & Schwarz CMU 200
Multimeter	:	Fluke 73 Series II

While every endeavour has been made to ensure the accuracy of this document, some errors may exist. If the reader finds any errors, NOKIA should be notified in writing.

Please send E-Mail to: training.sace@nokia.com

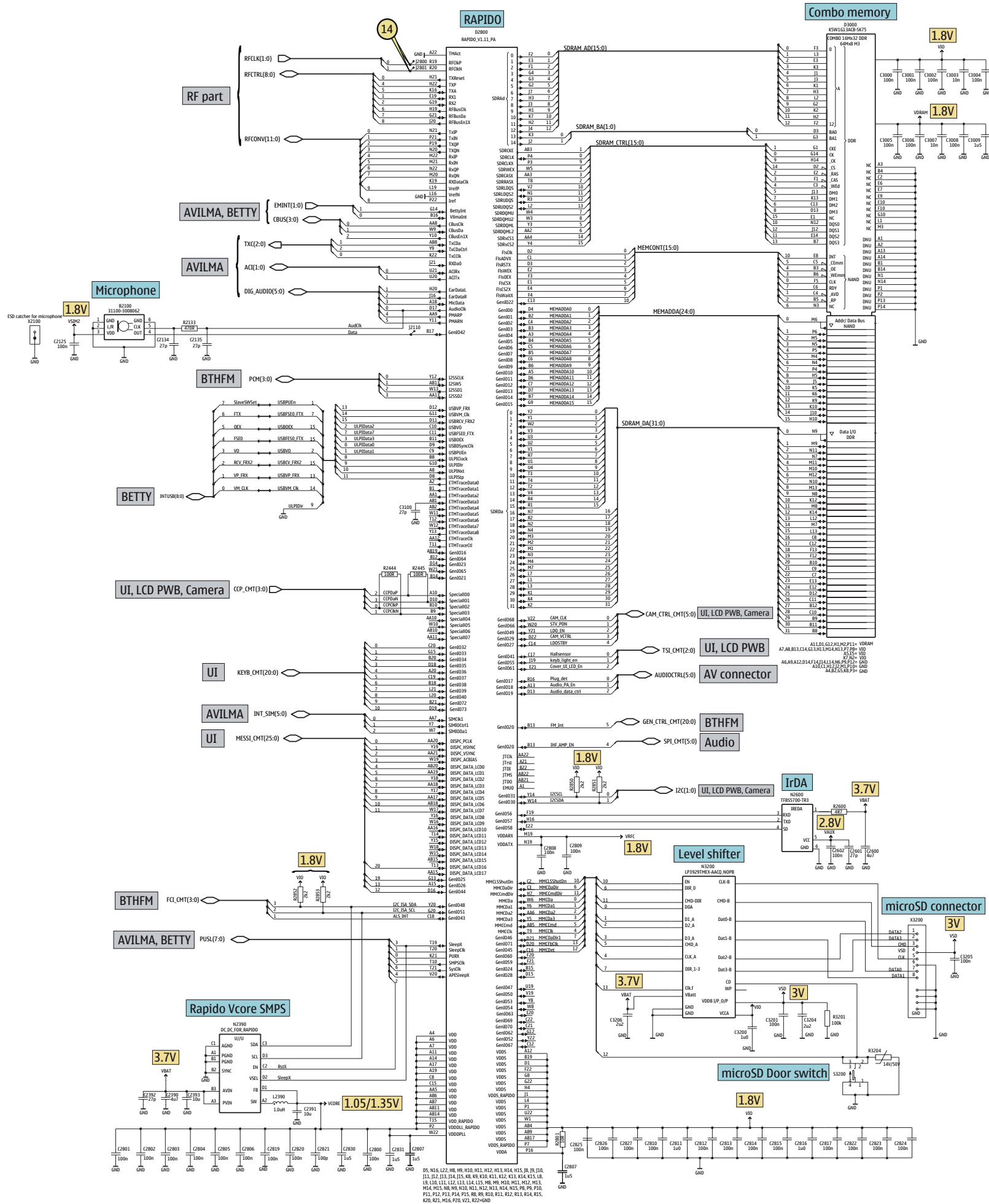
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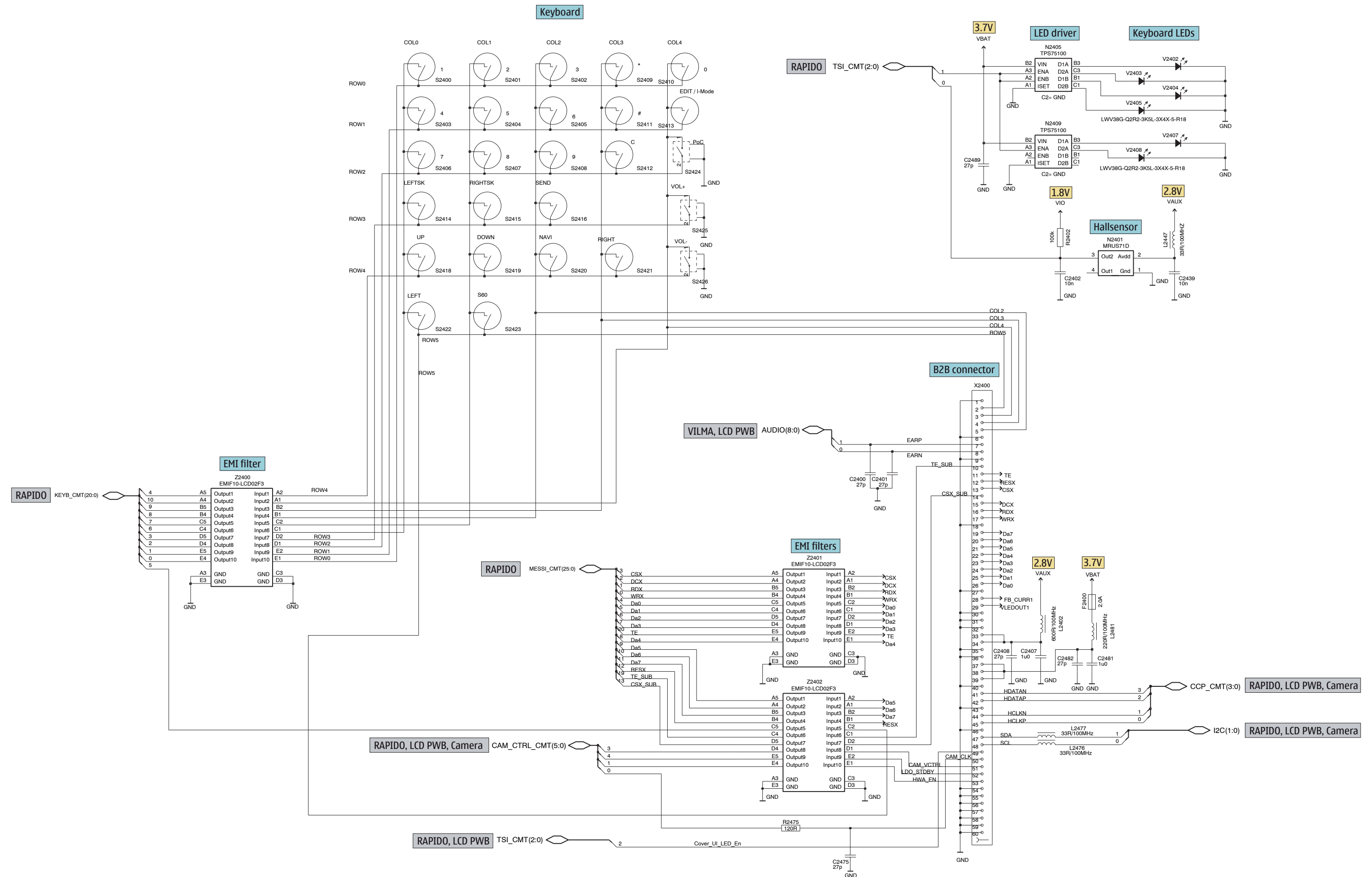
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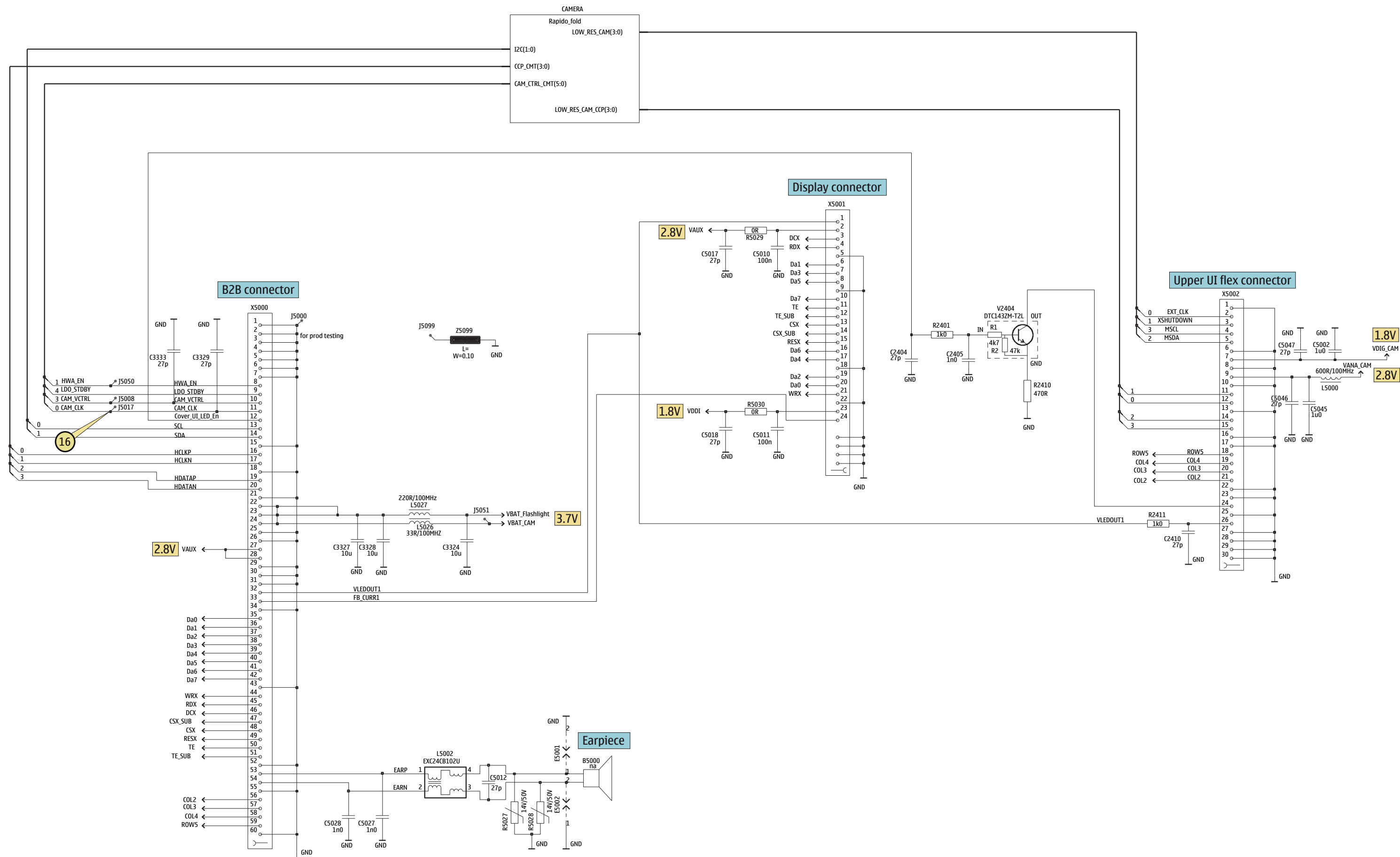
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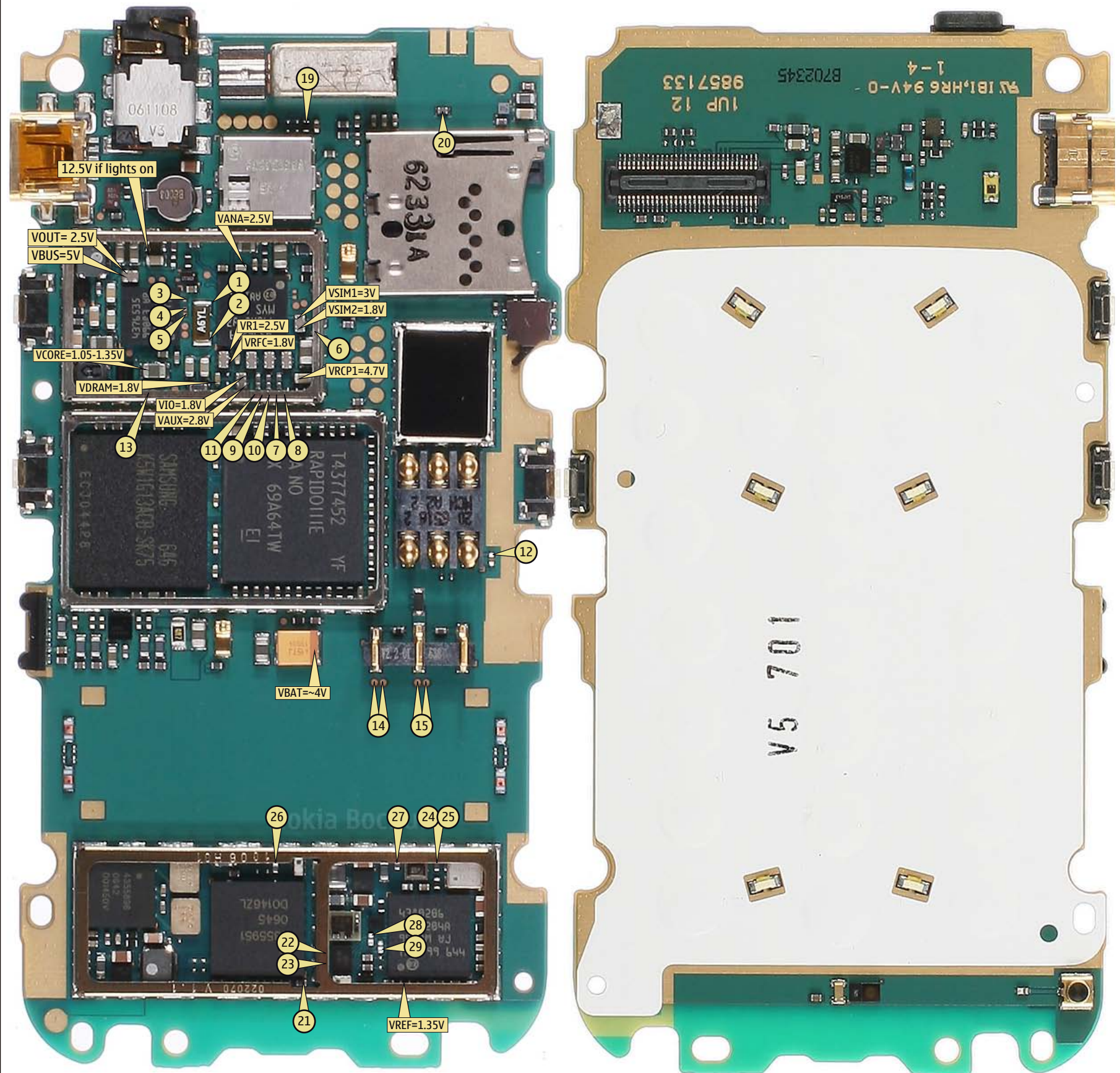
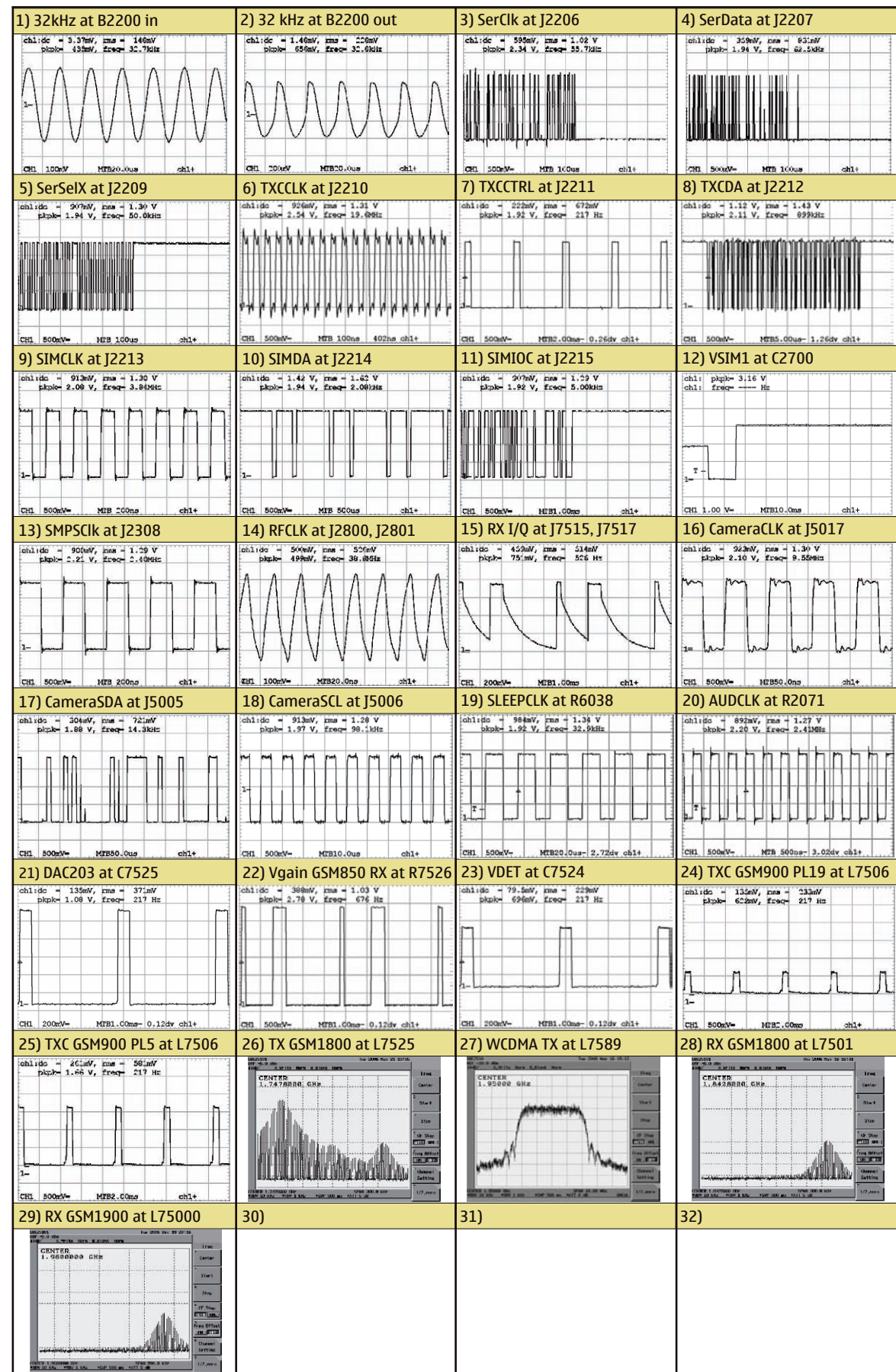




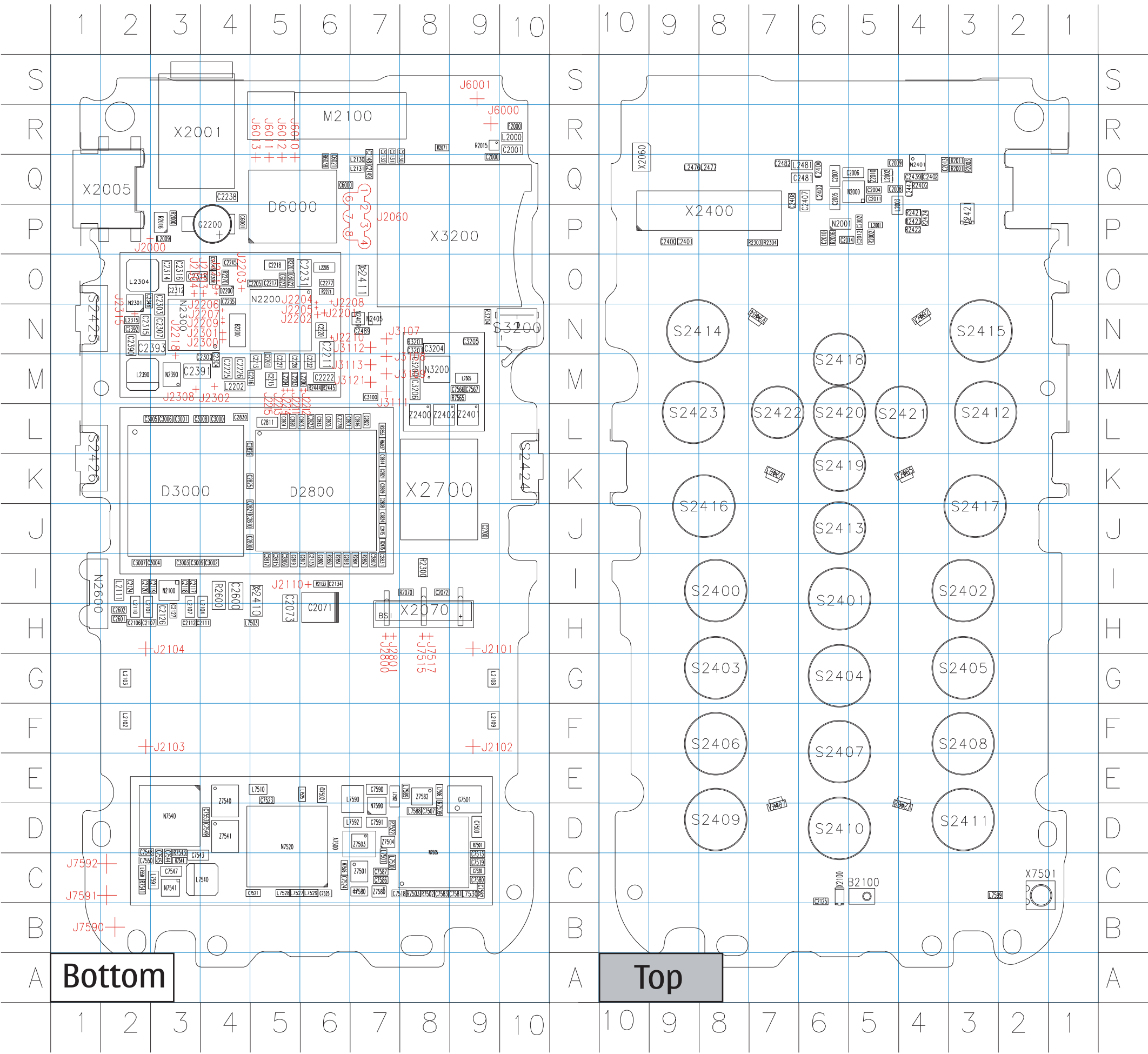








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B2100	C5	C2314	O3	C3200	M8	J2209	N4	L2477	Q8	R2444	M6
B2200	N4	C2315	N2	C3201	N8	J2210	N6	L2481	Q6	R2445	M6
C	C2316	O3	C3204	N8	J2211	M5	L7500	C7	R2475	J7	
C2000	Q9	C2318	O3	C3205	N9	J2212	M6	L7501	C7	R2600	I4
C2001	R10	C2343	O4	C3206	M8	J2213	M5	L7502	E7	R2801	I7
C2002	P5	C2348	O2	C6000	Q6	J2214	M5	L7503	H5	R2850	I6
C2004	Q5	C2390	N2	C6001	P4	J2215	M5	L7506	E8	R2851	I6
C2005	Q6	C2391	M3	C6021	Q6	J2218	M3	L7510	E5	R2852	I7
C2006	Q5	C2392	N2	C6022	O5	J2219	O4	L7525	E6	R2853	L7
C2007	Q6	C2393	N3	C6023	O5	J2300	N4	L7527	C5	R3201	N8
C2008	Q5	C2400	P9	C7500	D9	J2301	N4	L7528	C5	R3204	N9
C2009	Q5	C2401	P9	C7507	D8	J2302	M4	L7529	C6	R6037	L7
C2010	P6	C2402	Q4	C7513	C9	J2303	O4	L7530	C9	R6038	Q6
C2011	Q5	C2407	Q6	C7518	C7	J2304	O3	L7540	C4	R7501	D9
C2012	P5	C2408	Q7	C7519	C9	J2308	M3	L7550	C2	R7502	C8
C2013	Q4	C2439	Q4	C7520	C9	J2315	N2	L7565	M9	R7503	C8
C2014	P6	C2475	J7	C7521	C5	J2800	H7	L7588	D8	R7509	D8
C2071	H6	C2481	Q6	C7523	E5	J2801	H7	L7589	E8	R7522	D7
C2072	I8	C2482	Q7	C7524	C6	J3107	N7	L7590	E7	R7526	C6
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C2118	I3	C2801	L6	C7549	D4	J6000	R9	N2000	Q5	S2425	N1
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C2120	I2	C2803	L6	C7553	D4	J6010	Q5	N2100	I3	S3200	N10
C2124	I2	C2804	L5	C7566	M9	J6011	Q5	N2200	N5	T	
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C2127	H3	C2807	I7	C7581	C9	J7515	H8	N2390	M3	V	
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C2132	Q7	C2810	J4	C7586	C7	J7591	C2	N2409	N7	V2404	N7
C2134	I6	C2811	L5	C7587	C7	J7592	C2	N2600	I1	V2405	K4
C2135	I6	C2812	I6	C7590	E7	L	N3200	M8	V2407	D7	
C2148	Q7	C2813	L6	C7591	D7	L2000	R10	N7505	D8	V2408	D4
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C2205	O5	C2816	L7	D2800	K6	L2003	P5	N7541	C3	X2001	R3
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C2218	O5	C2822	L7	G	L2107	H3	R2003	Q3	X2410	I5	
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C		J5005	O8
C2404	N3	J5006	O8
C2405	B4	J5008	P7
C2410	C5	J5015	O7
C3300	N6	J5017	N8
C3301	Q5	J5020	O8
C3303	O8	J5021	N4
C3304	N8	J5050	N7
C3305	M7	J5051	P7
C3306	P7	J5099	Q3
C3307	O7	L	
C3308	M7	L3301	M6
C3309	N7	L3302	M6
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C3311	O8	L3304	M6
C3312	Q5	L3305	M6
C3313	P7	L3333	P7
C3314	N6	L3350	O3
C3315	C9	L5000	A5
C3316	B9	L5002	B4
C3317	C8	L5026	N4
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C3353	O2	R3306	M8
C3366	N6	R3307	O3
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C3370	O7	R3354	P2
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C5011	B9	R5028	A4
C5012	B4	R5029	B8
C5017	B8	R5030	B9
C5018	B9	V	
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C5028	C3	V3350	P2
C5045	A4	V3351	O3
C5046	A5	V3352	P2
C5047	A5	X	
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D3300	N7	X5000	M3
J		X5001	B8
J5000	P7	X5002	B5

