

Service Schematics

NOKIA 5200/5300

RM-174, RM-181 / RM-146, RM-147

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 2006.20.9.148
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 shall be notified in writing.

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

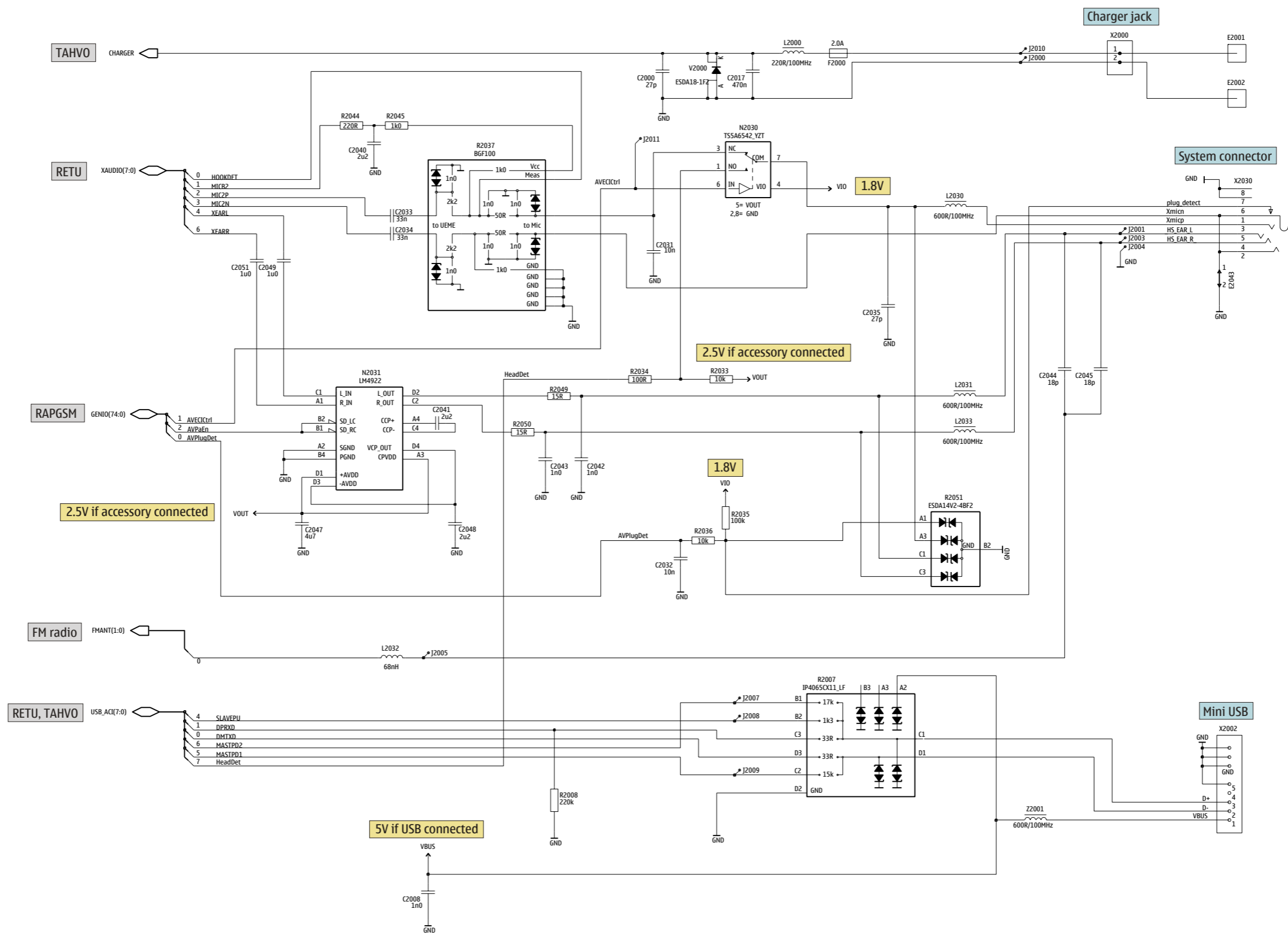


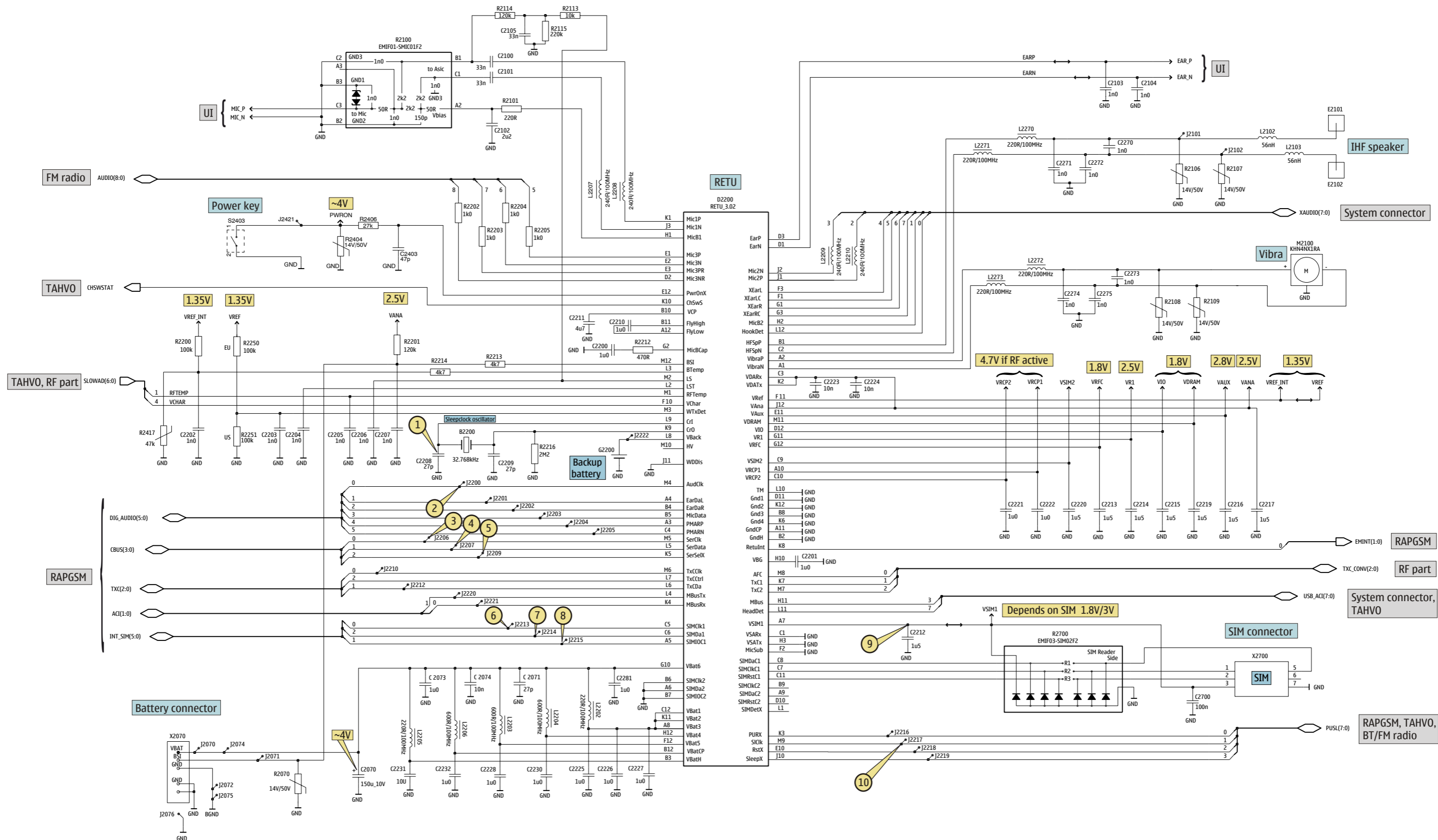
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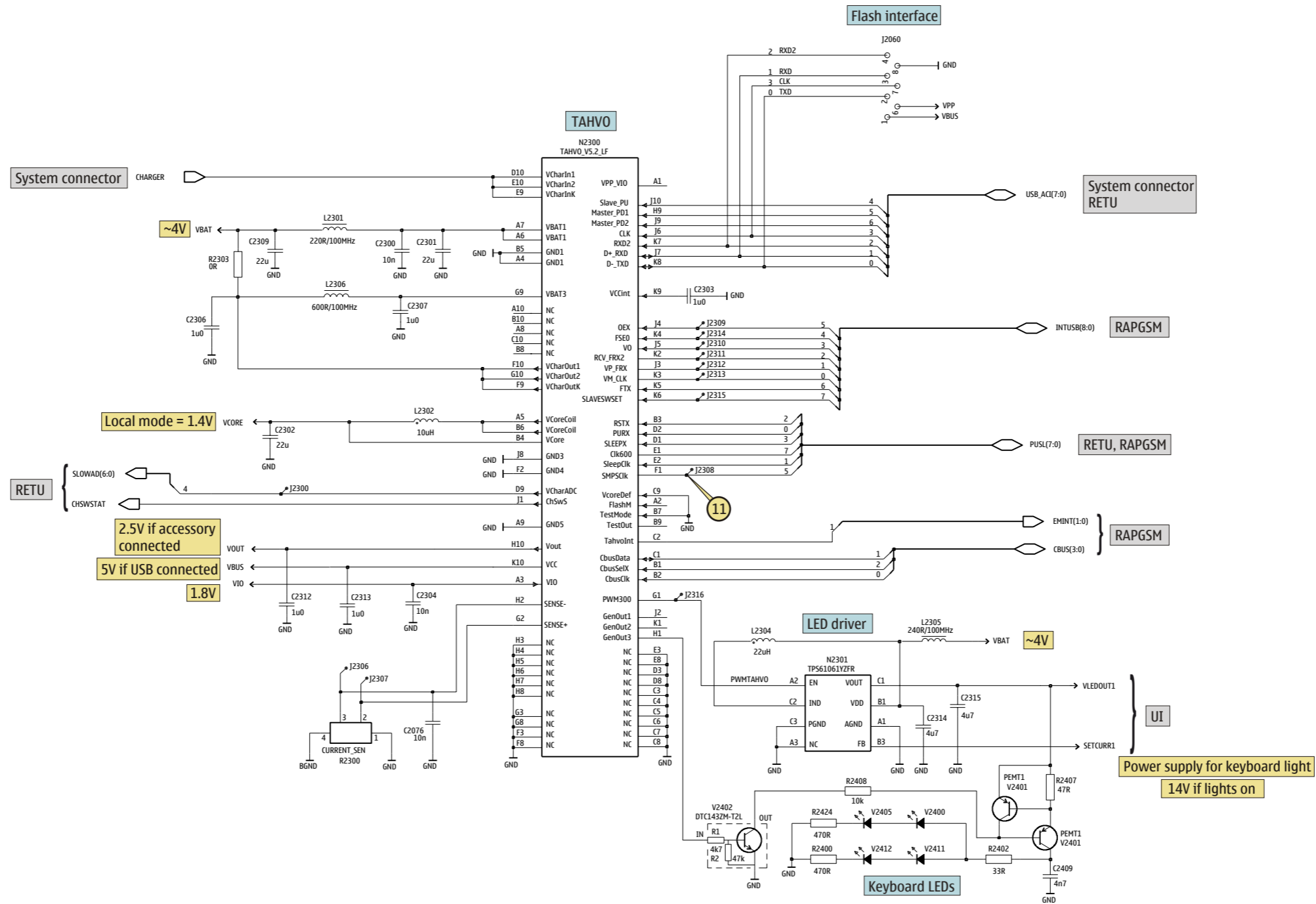
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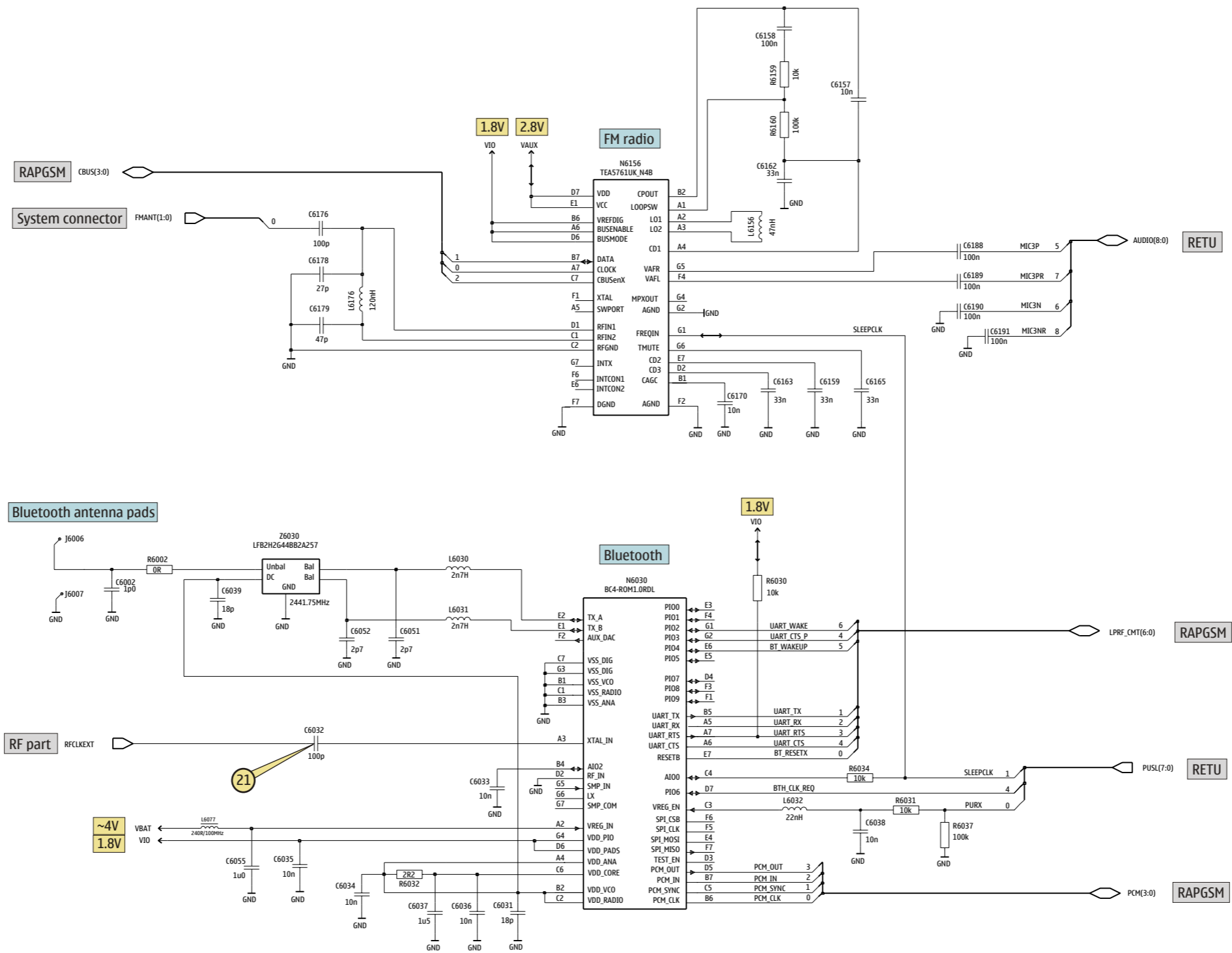
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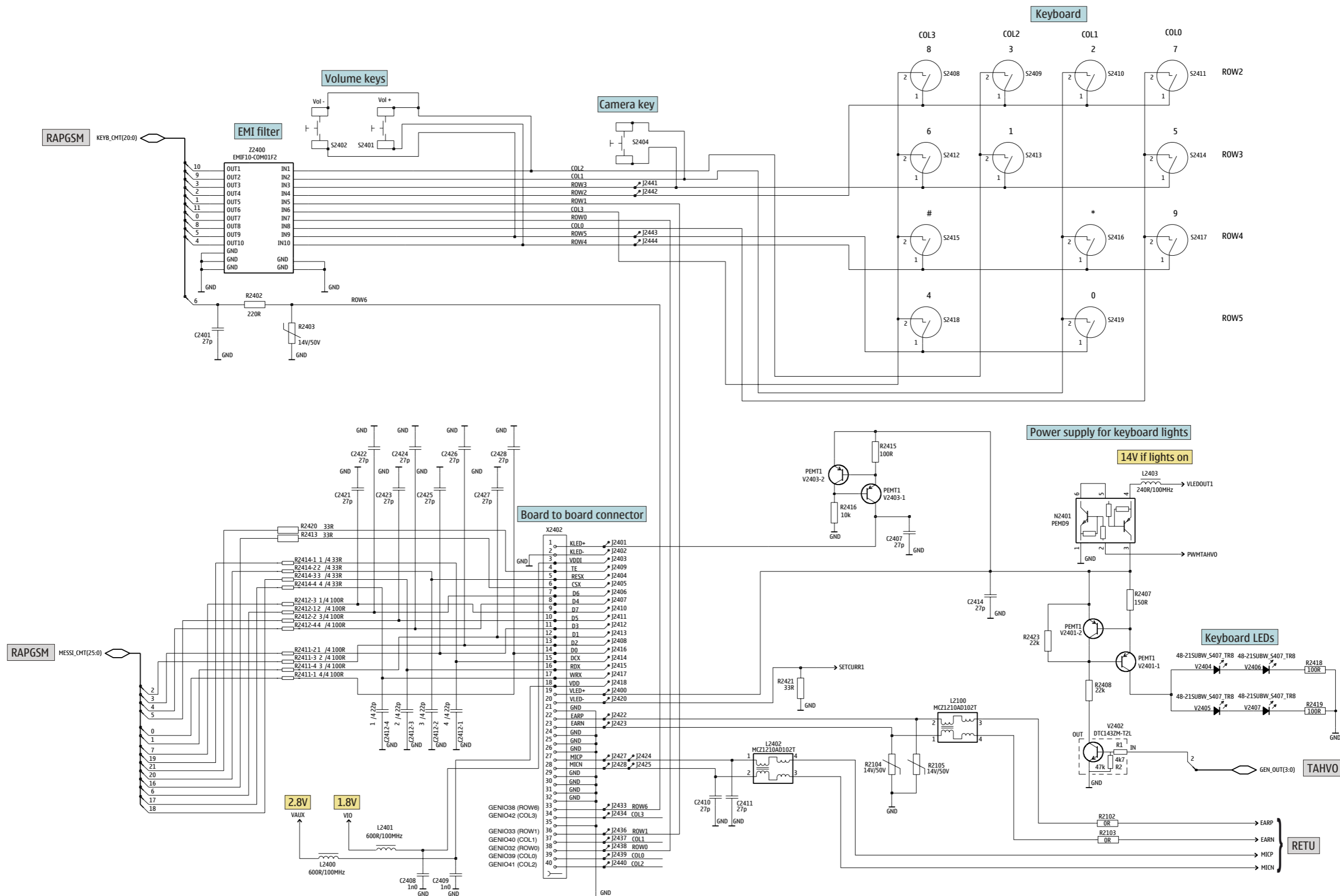
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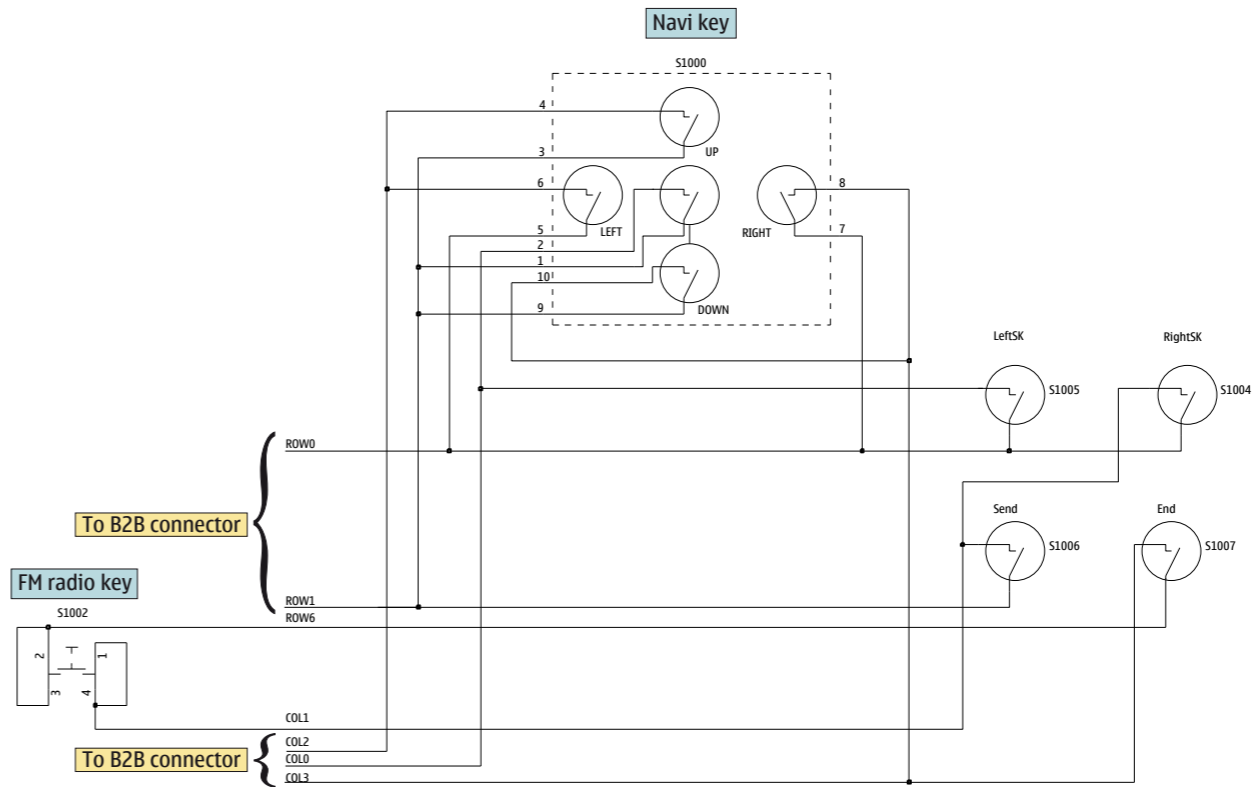
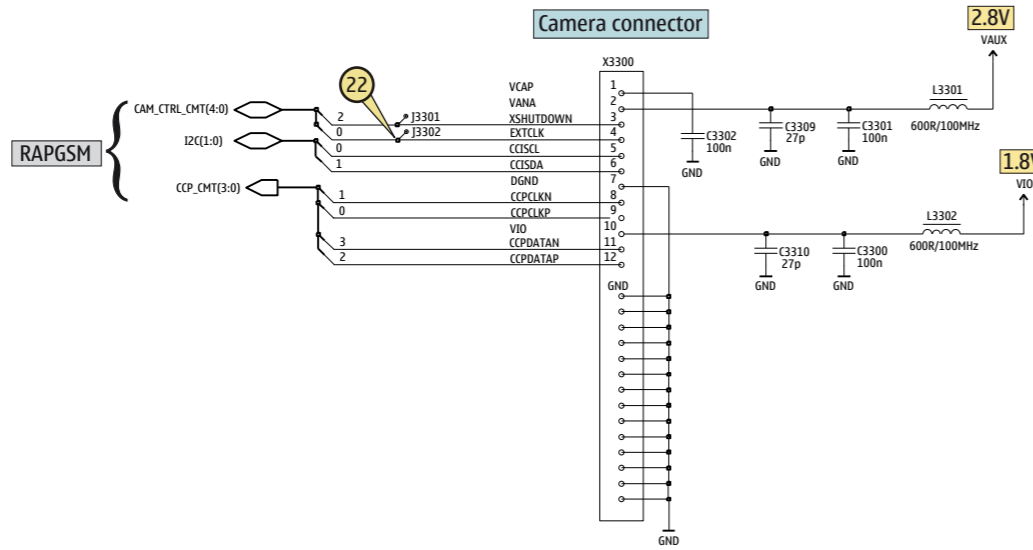
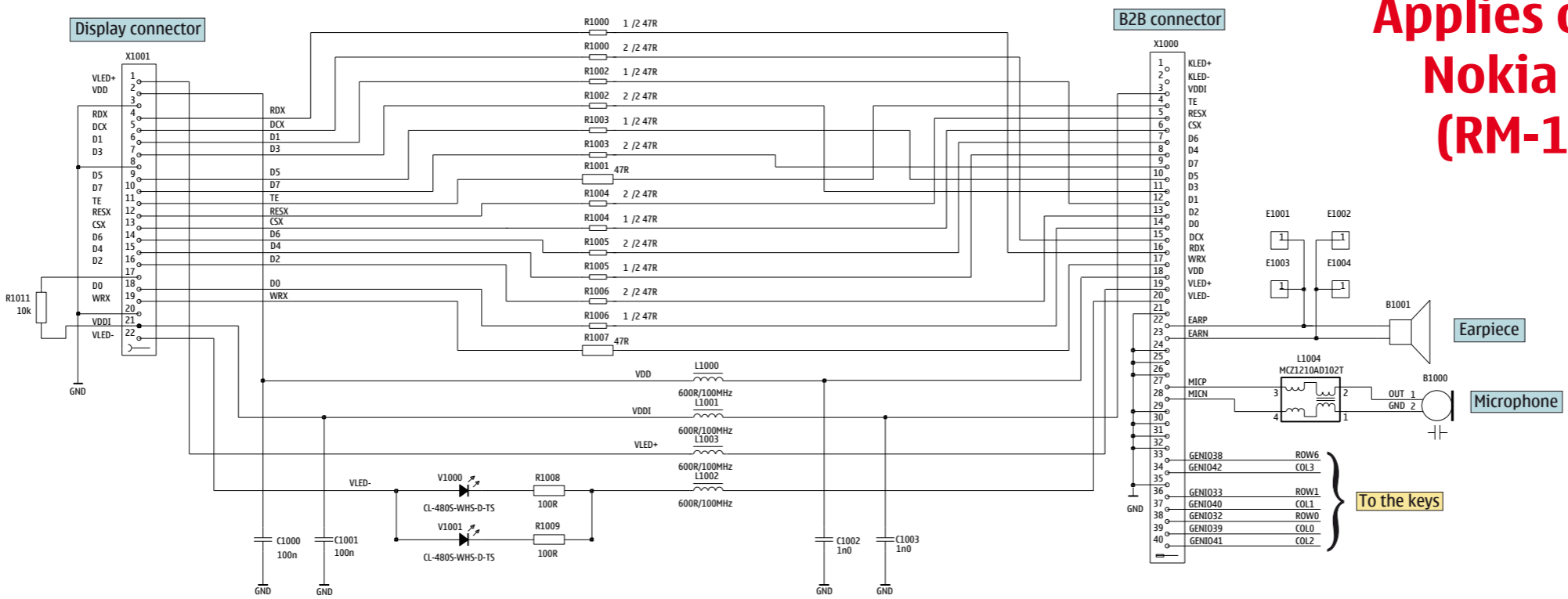


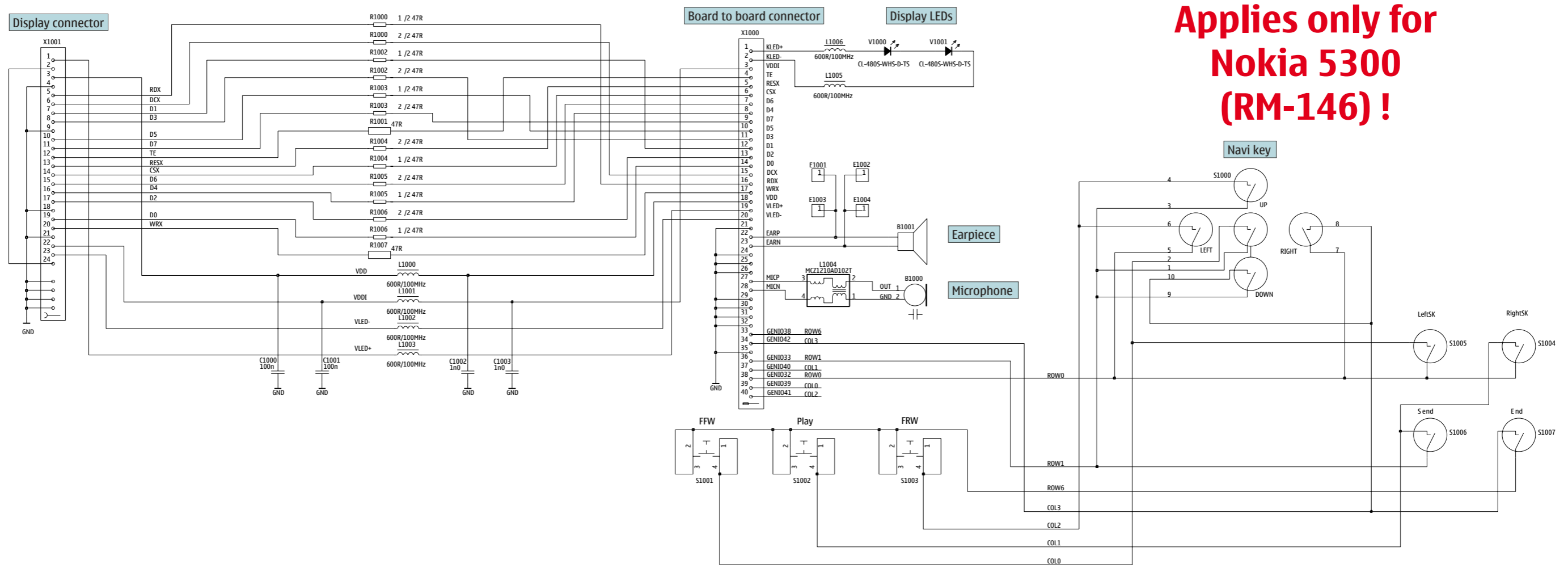




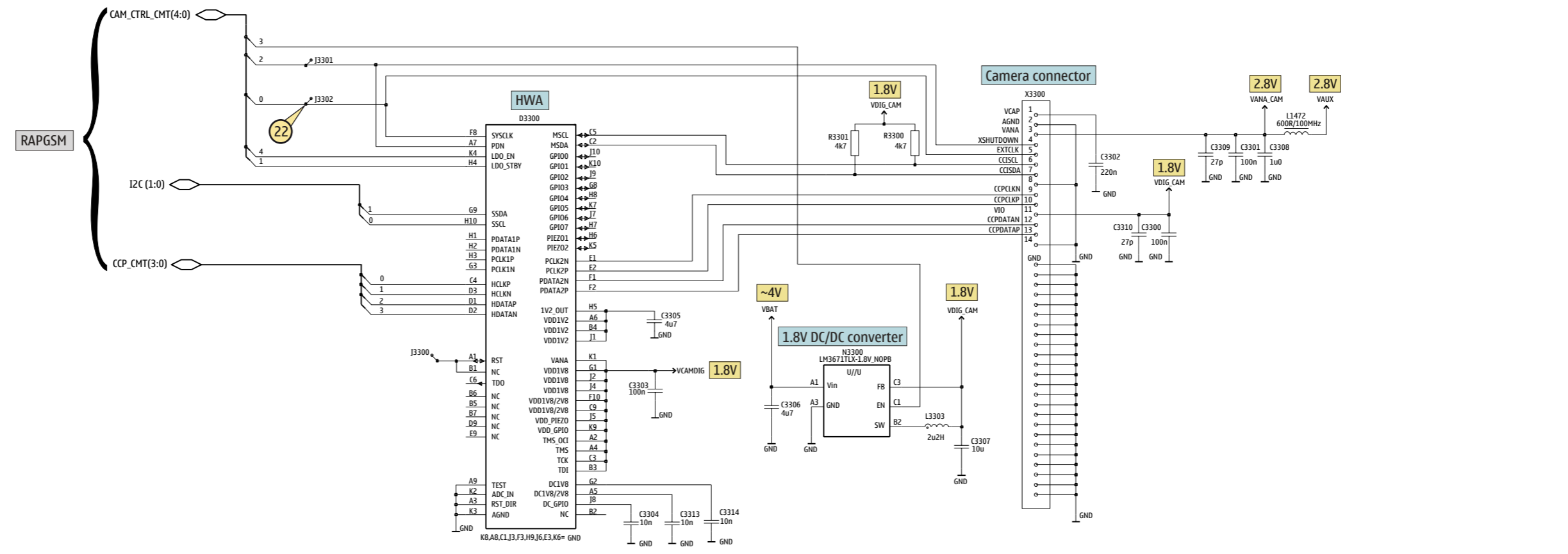


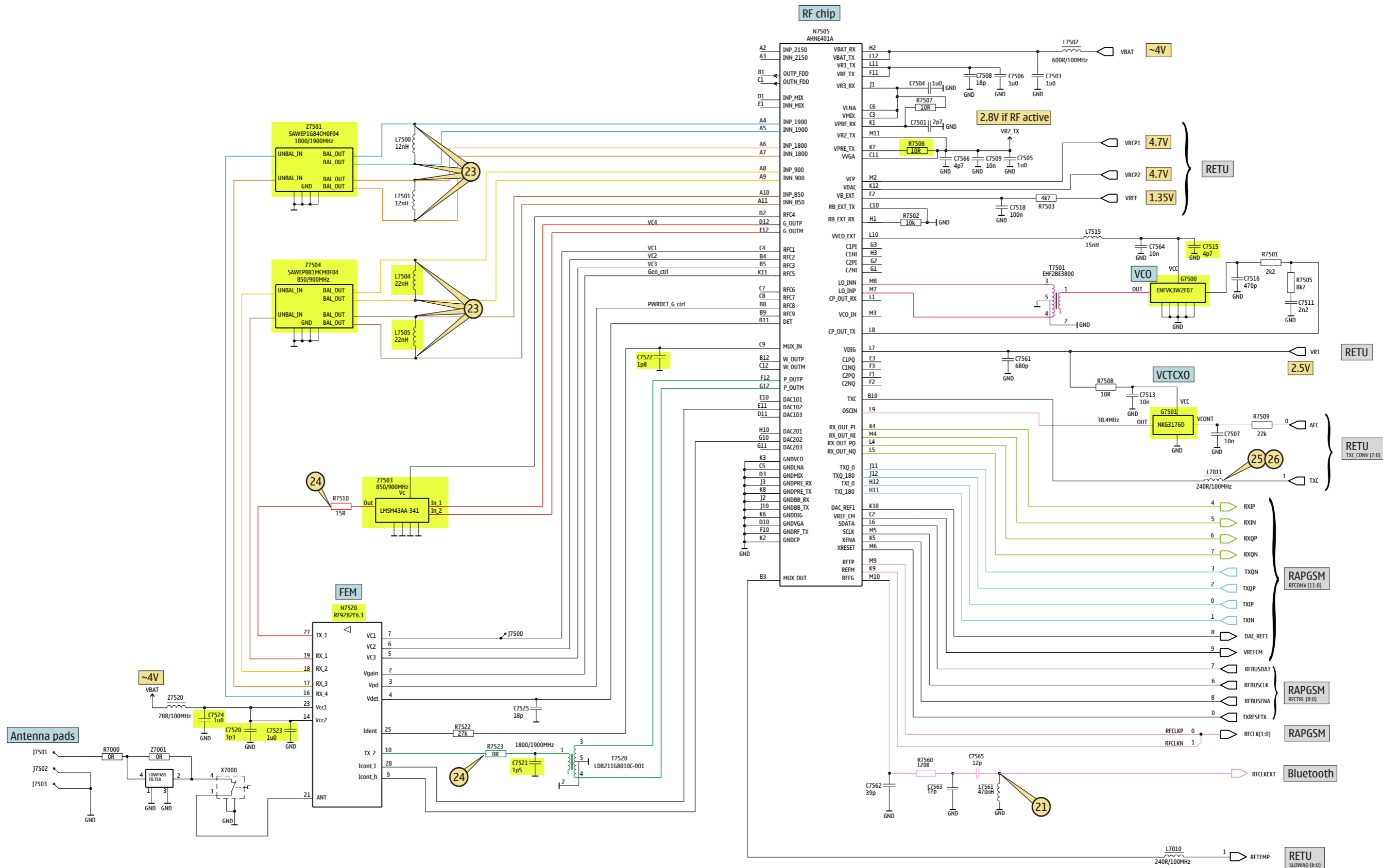
**Applies only for
Nokia 5200
(RM-174)!**



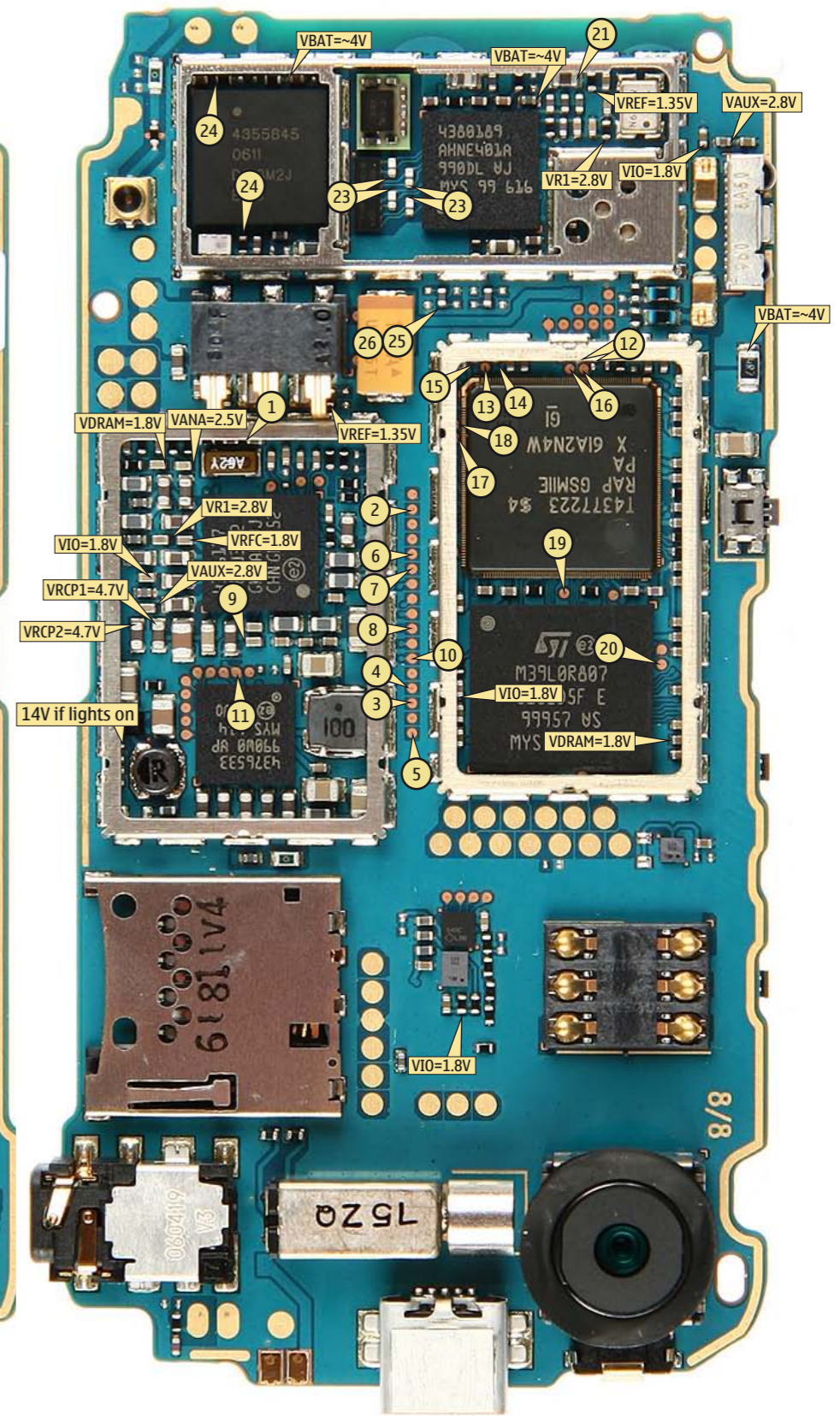
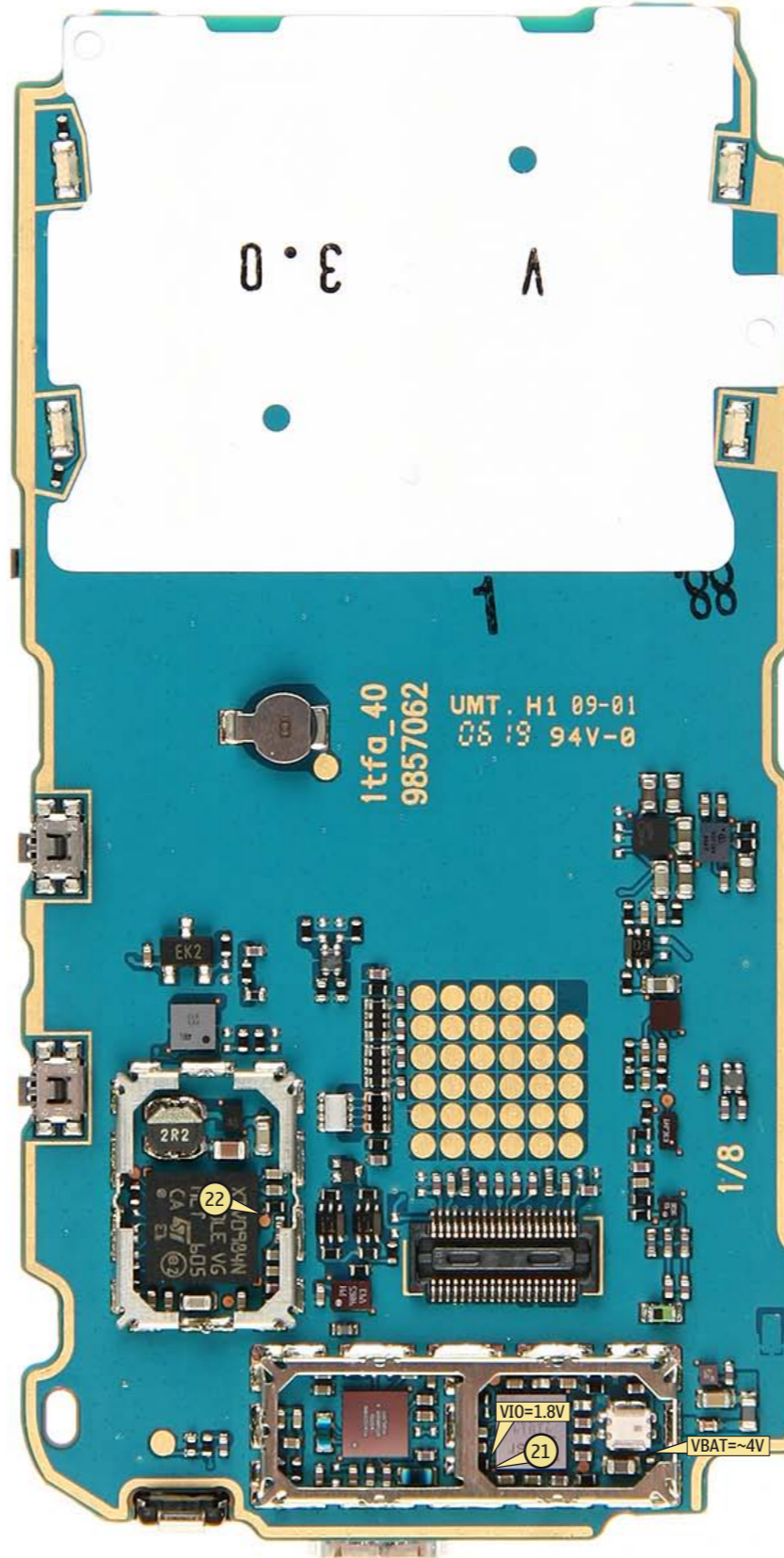
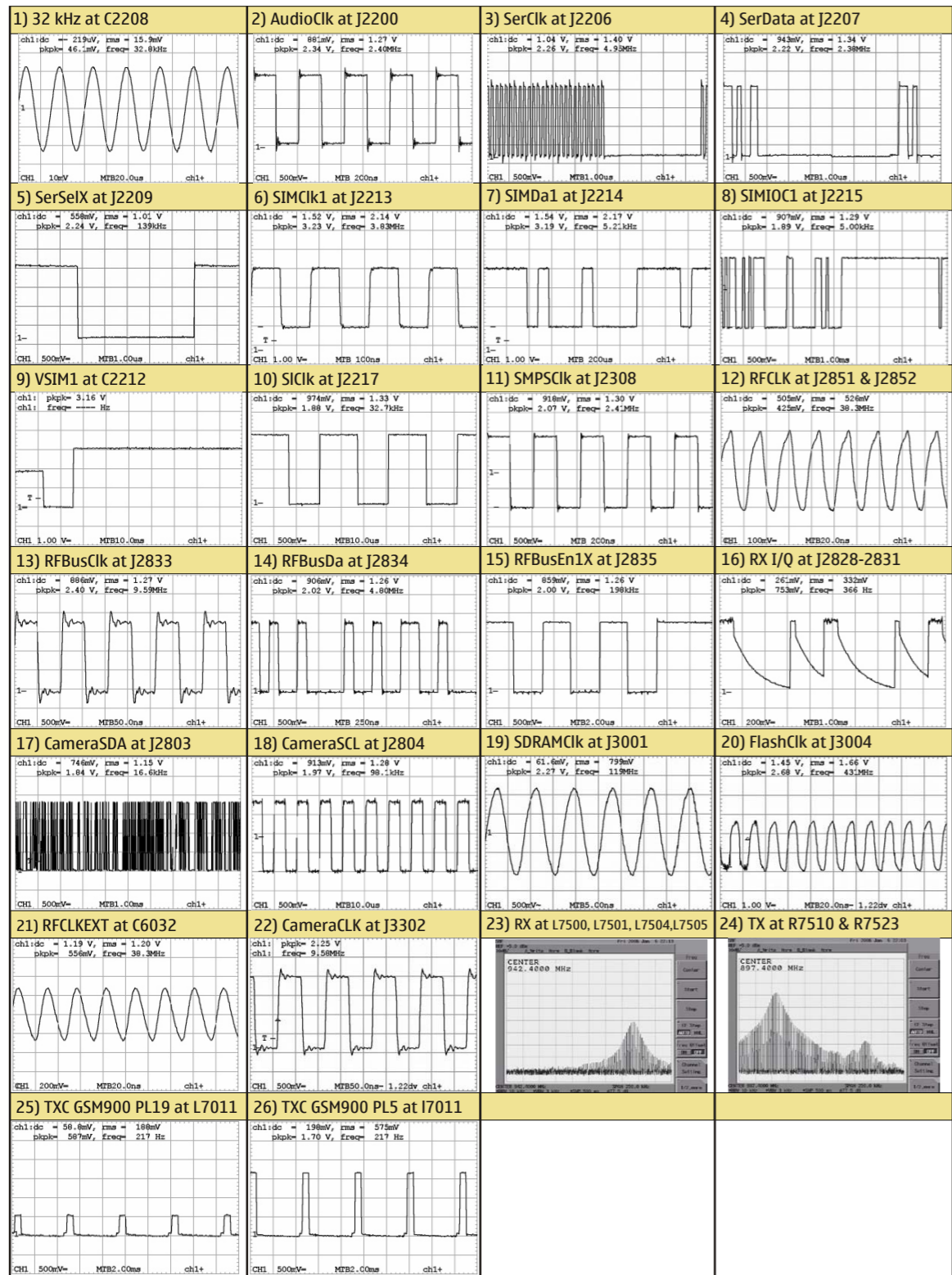


Applies only for Nokia 5300 (RM-146) !

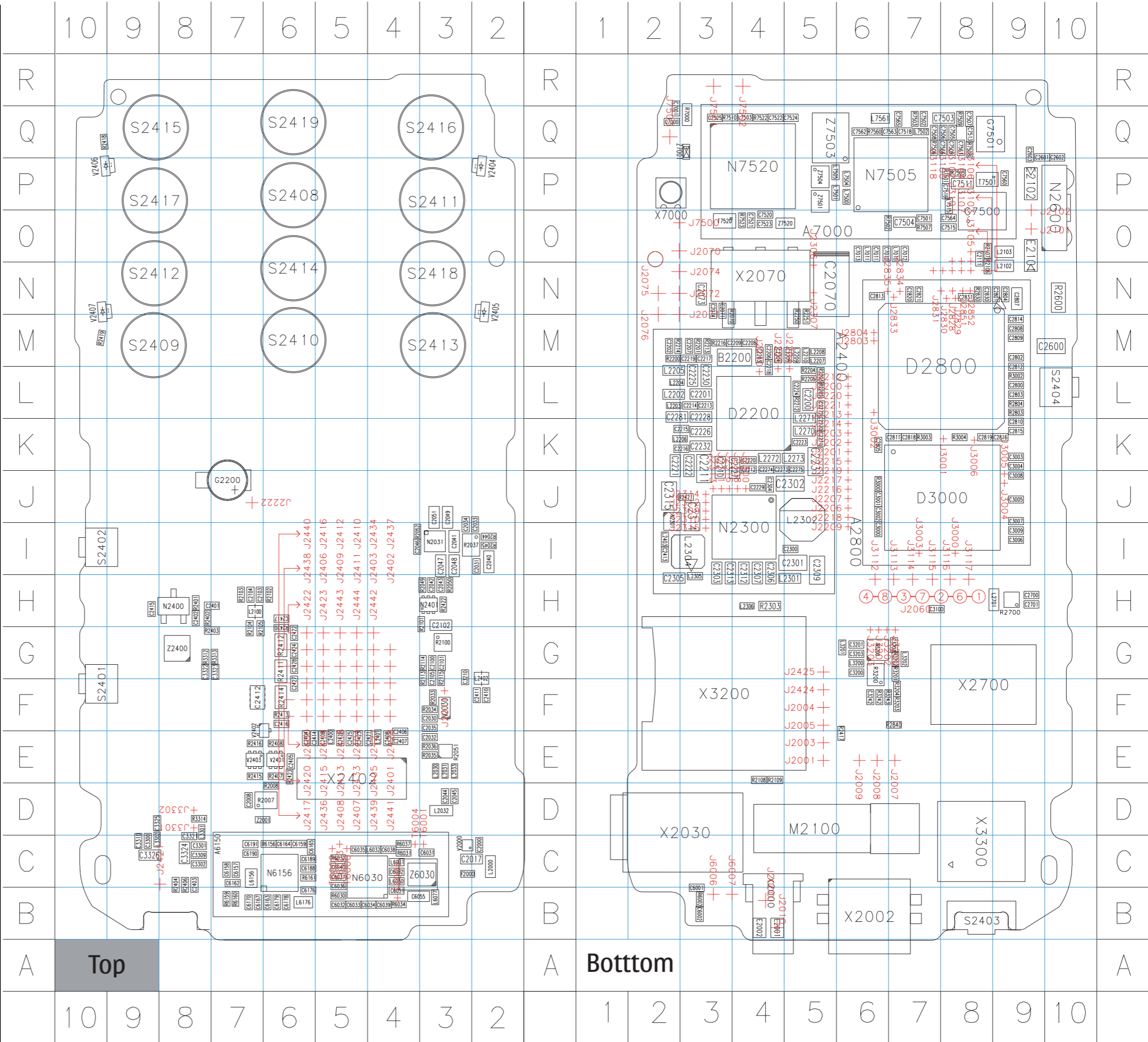




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BOM1	4p7	3p3	1p5	na	na	Matsushita	NDK	22nH	22nH	RFMD 9282 E6.3	10R	Murata	Murata	Murata
BOM2	4p7	3p3	1p5	na	na	Matsushita	NDK	27nH	33nH	RFMD 9282 E6.3	10R	FMD	Epcos	Epcos



B	C2302	J5	C3201	G6	C7563	Q7	N2031	I3	R2830	N8	
B2200	M4	C2303	I3	C3202	G7	C7564	O8	N2300	I4	R2840	F7
C	C2304	J4	C3203	G6	C7565	Q7	N2301	J2	R3000	J6	
C2000	C2	C2305	H2	C3210	G3	C7566	Q8	N2400	H8	R3002	L9
C2008	D7	C2306	I4	C3242	F6	D	N2401	H3	R3003	K7	
C2017	C3	C2307	I4	C3300	C9	D2200	L4	N2600	P10	R3004	K8
C2030	F3	C2309	I5	C3301	C8	D2800	M8	N3200	G6	R3200	G6
C2031	I2	C2312	I4	C3302	C8	D3000	J8	N6030	C5	R3201	G7
C2032	E3	C2313	I3	C3309	C8	E	N6156	C6	R3202	G7	
C2033	I2	C2314	J3	C3310	C9	E2001	B4	N7505	P7	R3203	F7
C2034	I3	C2315	J2	C3321	C8	E2002	B4	N7520	P4	R3204	F7
C2035	F3	C2401	H7	C3322	G8	E2101	O9	R	R3242	F6	
C2040	I2	C2402	H8	C3323	G7	E2102	P9	R2007	D6	R3243	F6
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C2042	H3	C2404	E6	C3325	D9	F2000	C3	R2033	F3	R3313	G7
C2043	H3	C2405	E6	C3326	C9	G	R2034	F3	R3314	D8	
C2044	D3	C2406	E4	C6001	B3	G2200	J7	R2035	E3	R6002	B3
C2045	D3	C2407	E4	C6002	B3	G7500	O8	R2036	E3	R6030	B5
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C2047	I3	C2409	E5	C6032	B5	L	R2044	I2	R6032	C5	
C2048	I3	C2410	F2	C6033	B5	L2000	C2	R2045	I2	R6034	B4
C2049	J3	C2411	F2	C6034	B4	L2030	E2	R2049	H3	R6037	C4
C2051	J3	C2412	F7	C6035	C5	L2031	E3	R2050	H3	R6156	C6
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C2102	H3	C2422	G6	C6052	C4	L2203	L2	R2103	H7	R7503	Q7
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C2274	K4	C3007	J9	C7524	O5	L7561	Q6	R2423	E6	Z7501	P5
C2275	K5	C3008	J9	C7525	Q3	M	R2600	N10	Z7503	Q5	
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C2203	M9	C2601	Q9	C6159	C6	J2071	N2	J2443	G5	L2302	J5	R2202	L5	R7523	O4
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C2207	M3	C2701	H9	C6165	C6	J2076	N2	J2828	N8	L2400	E5	R2212	L5	S2402	I10
C2208	M4	C2800	L9	C6167	B7	J2101	O9	J2829	N8	L2401	E4	R2213	M3	S2403	B8
C2209	M4	C2801	N9	C6170	B7	J2102	O9	J2830	N8	L2402	G2	R2214	M2	S2404	L10
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C2217	M3	C2810	K9	C7000	Q2	J2207	J6	J3001	K8	L6030	C4	R2404	C8	V2403	E7
C2218	L4	C2811	K7	C7001	Q2	J2209	I6	J3002	L6	L6031	C4	R2406	C8	V2404	P2
C2219	M3	C2812	L9	C7010	O6	J2210	L4	J3003	I7	L6032	C4	R2407	E6	V2405	N2
C2220	K4	C2813	N6	C7011	O6	J2212	L6	J3004	J9	L6077	B3	R2408	E6	V2406	P10
C2221	K2	C2814	M9	C7012	O7	J2213	L6	J3005	J9	L6156	C7	R2411	G6	V2407	N10
C2222	K3	C2815	K9	C7013	O6	J2214	K6	J3006	K8	L6176	B6	R2412	G6	V	
C2223	K5	C2816	K9	C7501	O7	J2215	K6	J3100	N8	L7010	O7	R2413	F6	X2000	B4
C2224	L5	C2818	K7	C7502	O7	J2216	J6	J3101	O8	L7011	O6	R2414	F6	X2002	B6
C2225	L3	C2819	N8	C7503	O8	J2217	J6	J3102	N8	L7500	P6	R2415	E7	X2030	D3
C2226	K3	C2820	N7	C7504	O7	J2218	J6	J3103	O8	L7501	P5	R2416	E7	X2070	N4
C2227	K4	C2821	N7	C7505	O8	J2219	J6	J3104	N8	L7502	Q7	R2417	E6	X2402	E5
C2228	L3	C2830	N8	C7506	O8	J2220	L6	J3105	O8	L7503	Q4	R2418	Q10	X2700	F8
C2229	J4	C2831	N8	C7507	O8	J2221	L6	J3106	N8	L7504	P6	R2419	M10	X3200	F3
C2230	L3	C3000	I6	C7508	Q7	J2222	J7	J3107	O8	L7505	P5	R2420	G6	X3300	C8
C2231	K5	C3001	J6	C7509	O8	J2300	J4	J3112	H6	L7515	P8	R2421	J3	X7000	P2
C2232	K3	C3002	J6	C7511	P8	J2306	N5	J3113	H7	L7561	Q6	R2422	H3	Z	
C2270	K5	C3003	K9	C7513	O8	J2307	N5	J3114	H7	M	R2423	E6	Z2001	D7	
C2271	K5	C3004	K9	C7515	O8	J2308	J4	J3115	H7	M2100	D5	R2600	N10	Z2400	G8
C2272	L5	C3005	J9	C7516	P8	J2309	J3	J3116	H8	N	R2700	H9	Z6030	C3	
C2273	K4	C3006	I9	C7518	Q7	J2310	J3	J3117	H8	N2030	F3	R2803	L9	Z7001	Q3
C2274	K4	C3007	J9	C7520	O4	J2311	J3	J3118	N7	N2031	I3	R2804	L9	Z7501	P5
C2275	K5	C3008	J9	C7521	O4	J2312	J3	J3200	G7	N2300	I4	R2830	N8	Z7503	Q5
C2281	L2	C3009	I9	C7522	O4	J2313	J3	J3201	G6	N2301	J2	R2840	F7	Z7504	P5
C2300	I5	C3100	H7	C7523	O4	J2314	J3	J3202	G6	N2400	H8	R3000	J6	Z7520	O5
C2301	I5	C3200	G6	C7524	O5	J2315	I3	J3203	G6	N2401	H3	R3002	L9		

