

Service schematics

NOKIA E7-00

RM-626



IMPORTANT

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Measurements

All measurements were made using the following equipment:

Nokia repair SW : Phoenix 2010.38.005.44210
Oscilloscope : PicoScope 3206
Spectrum Analyzer : Advantest R3162
Multimeter : Fluke 175

The measurement points in the schematics are linked to the oscillograms on the signal overview page. The links cycle between the measurement point in the schematics, the oscillogram and the measurement point in the component finder.

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Version information

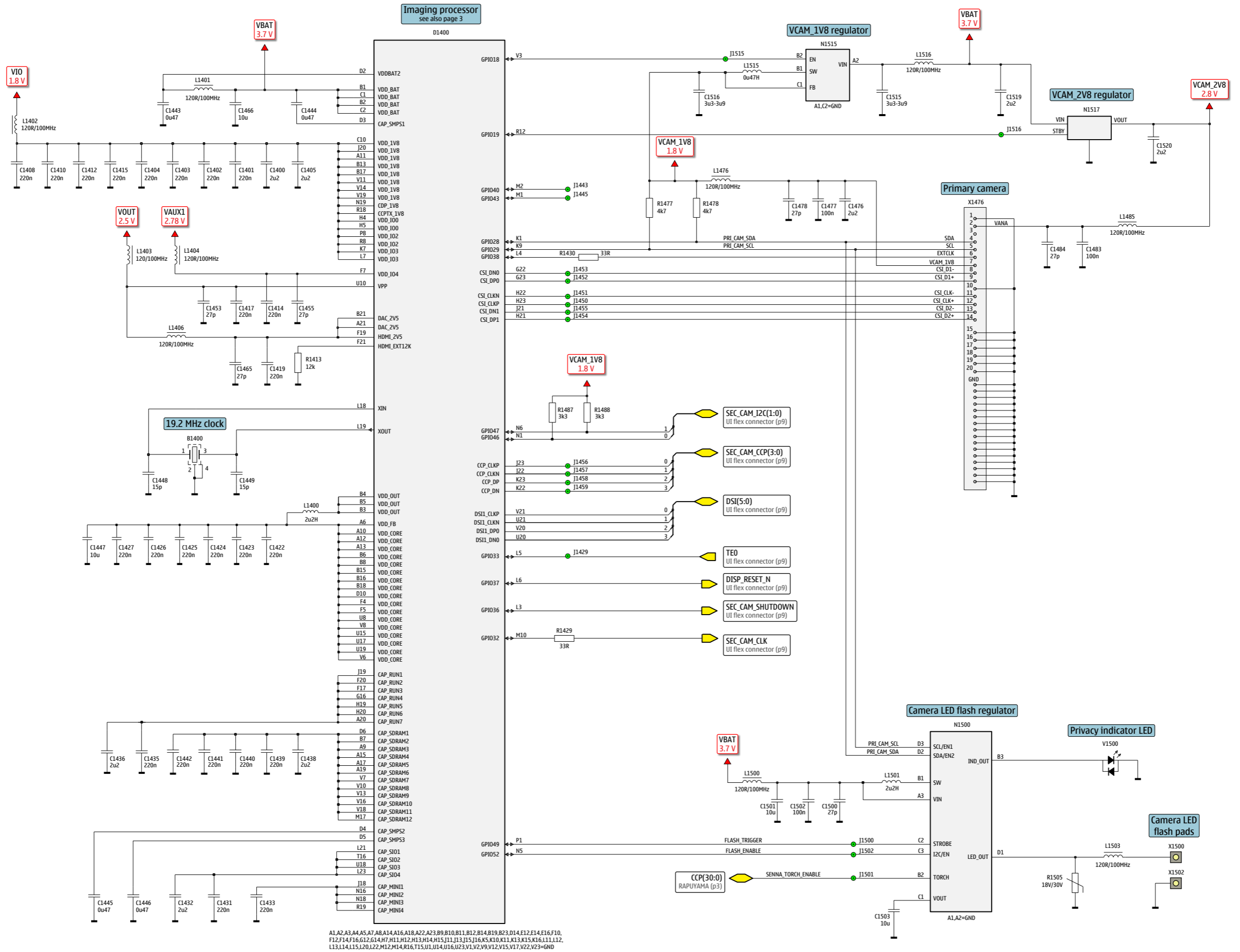
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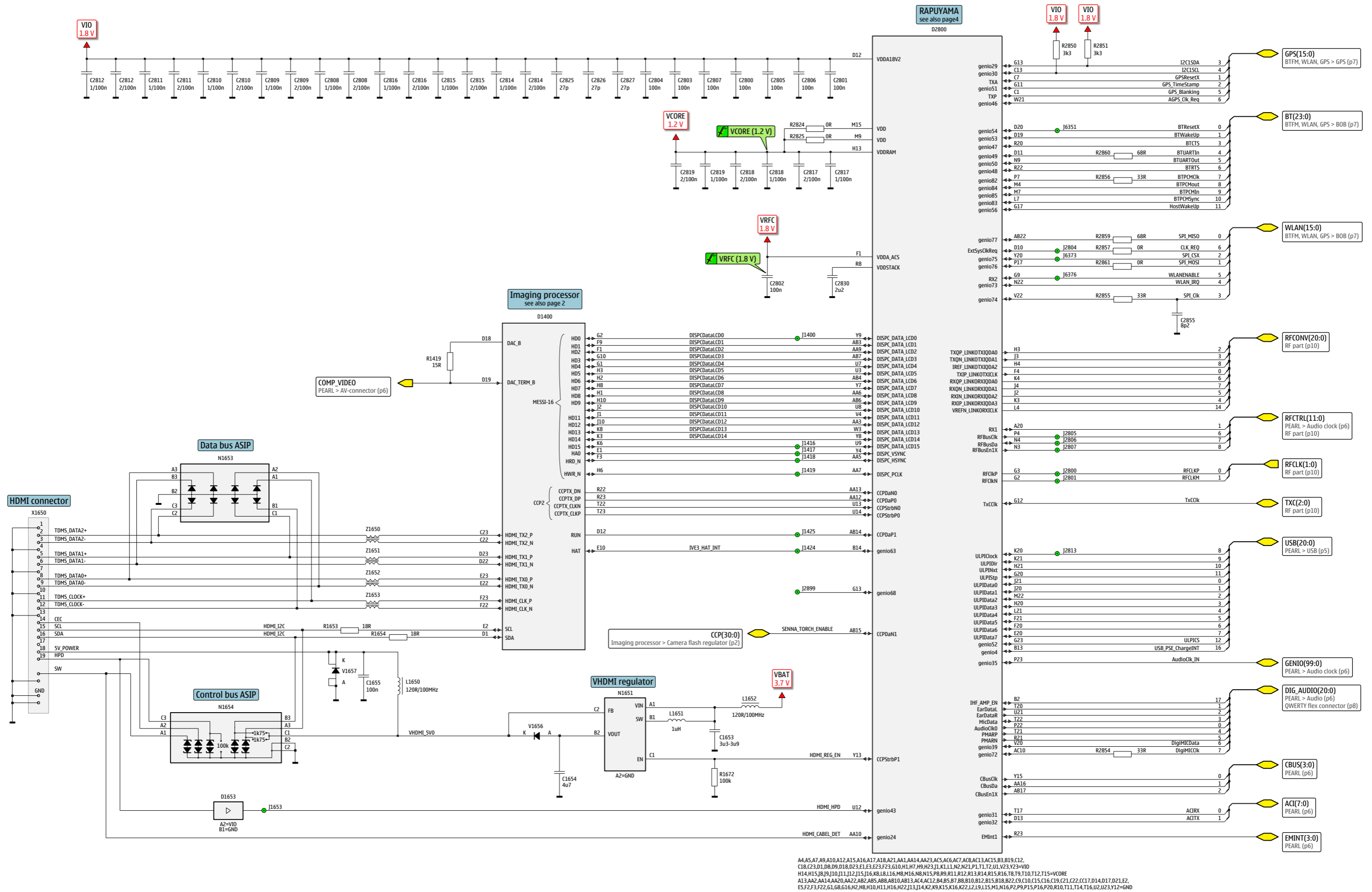
1.0 First approved version.

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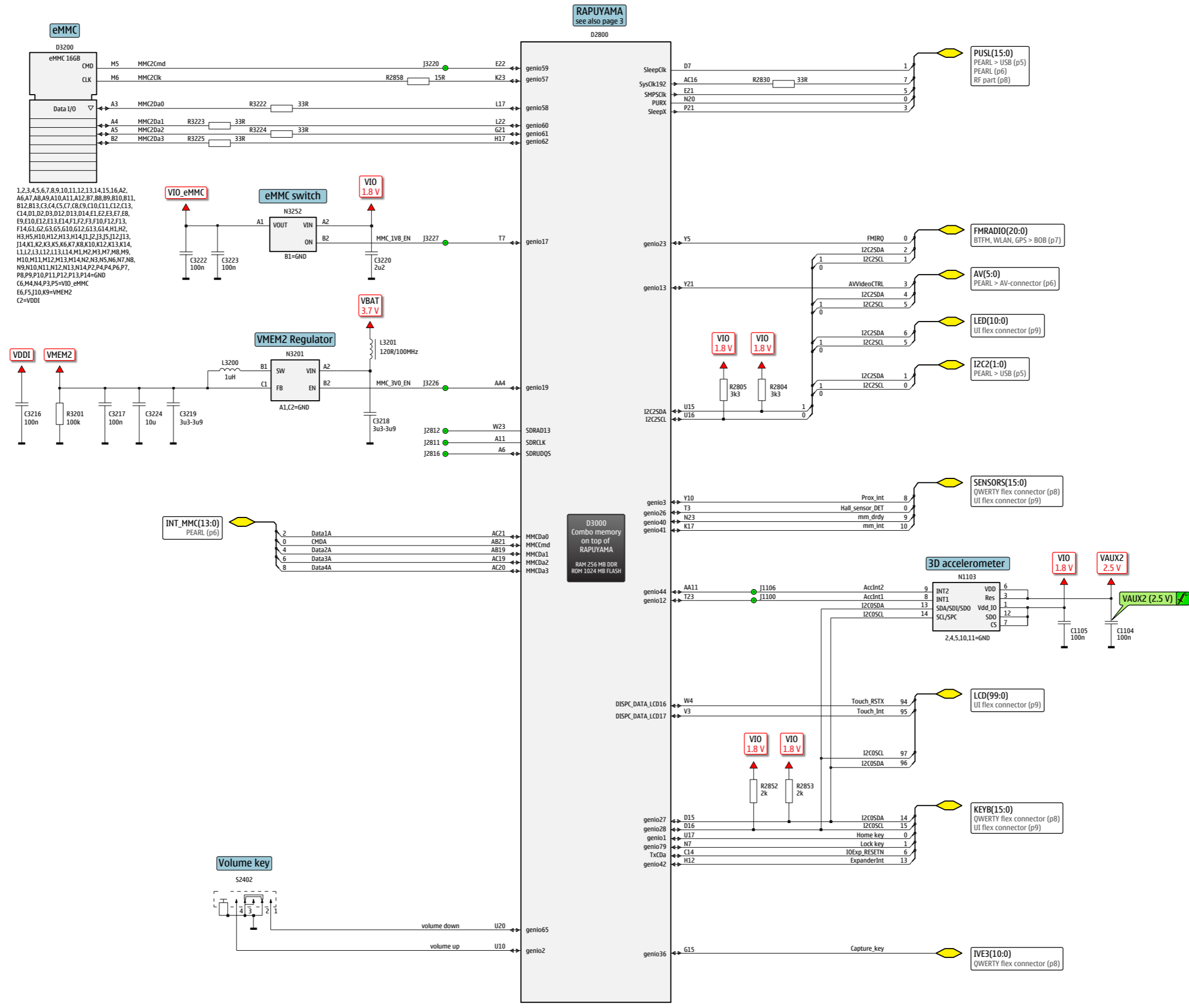
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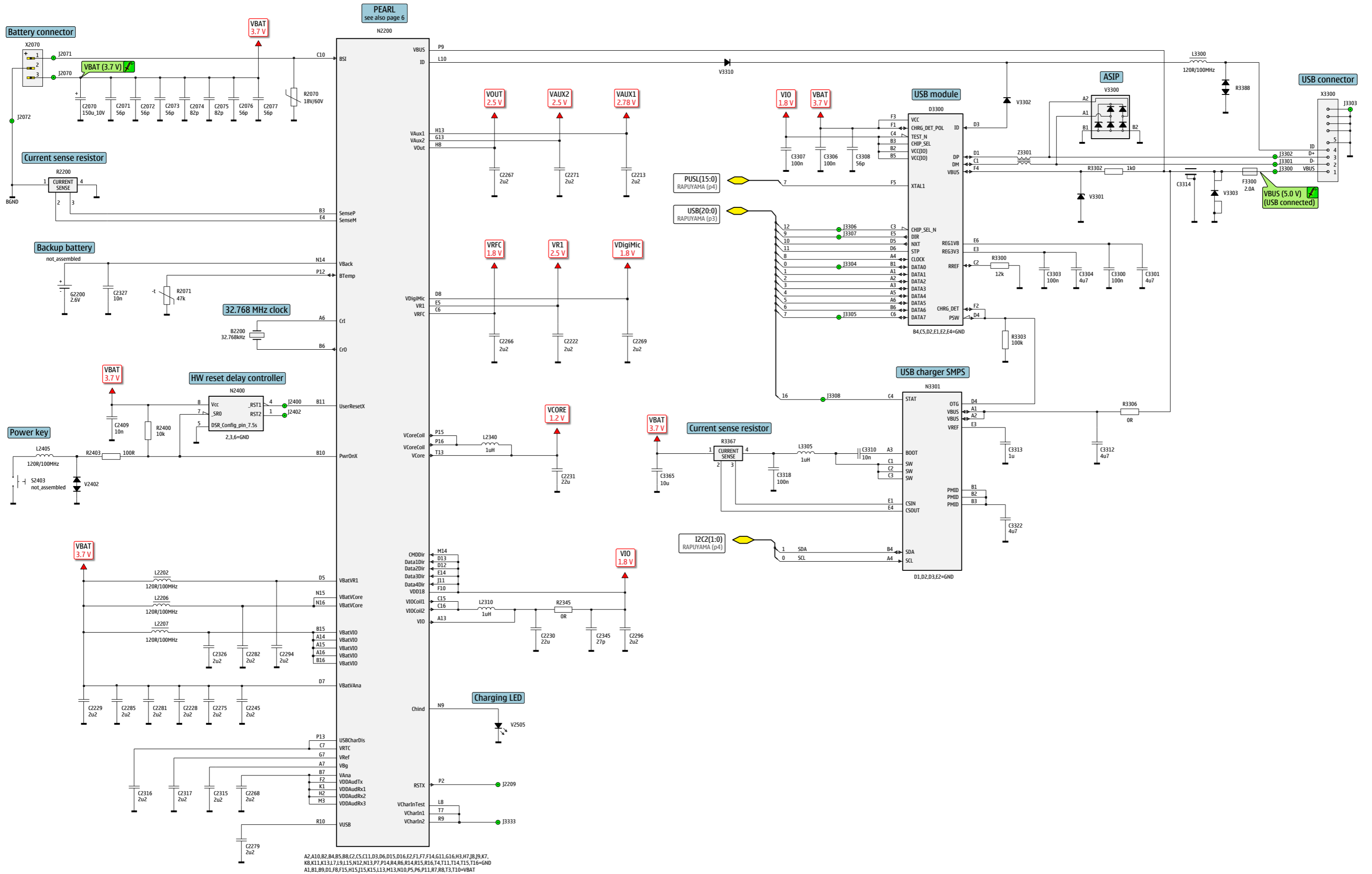


A1,A2,A3,A4,A5,A7,A8,A14,A16,A18,A22,A23,B9,B10,B11,B12,B14,B19,B23,D14,E12,E14,E16,F10,F12,F14,F16,G12,G14,H7,H11,H12,H13,H14,H15,J11,J13,J15,J16,K5,K10,K11,K13,K15,K16,L11,L12,L13,L14,L15,L20,L22,M12,M14,R16,T15,U1,U14,U16,U23,V1,V2,V9,V12,V15,V17,V22,V23=GND

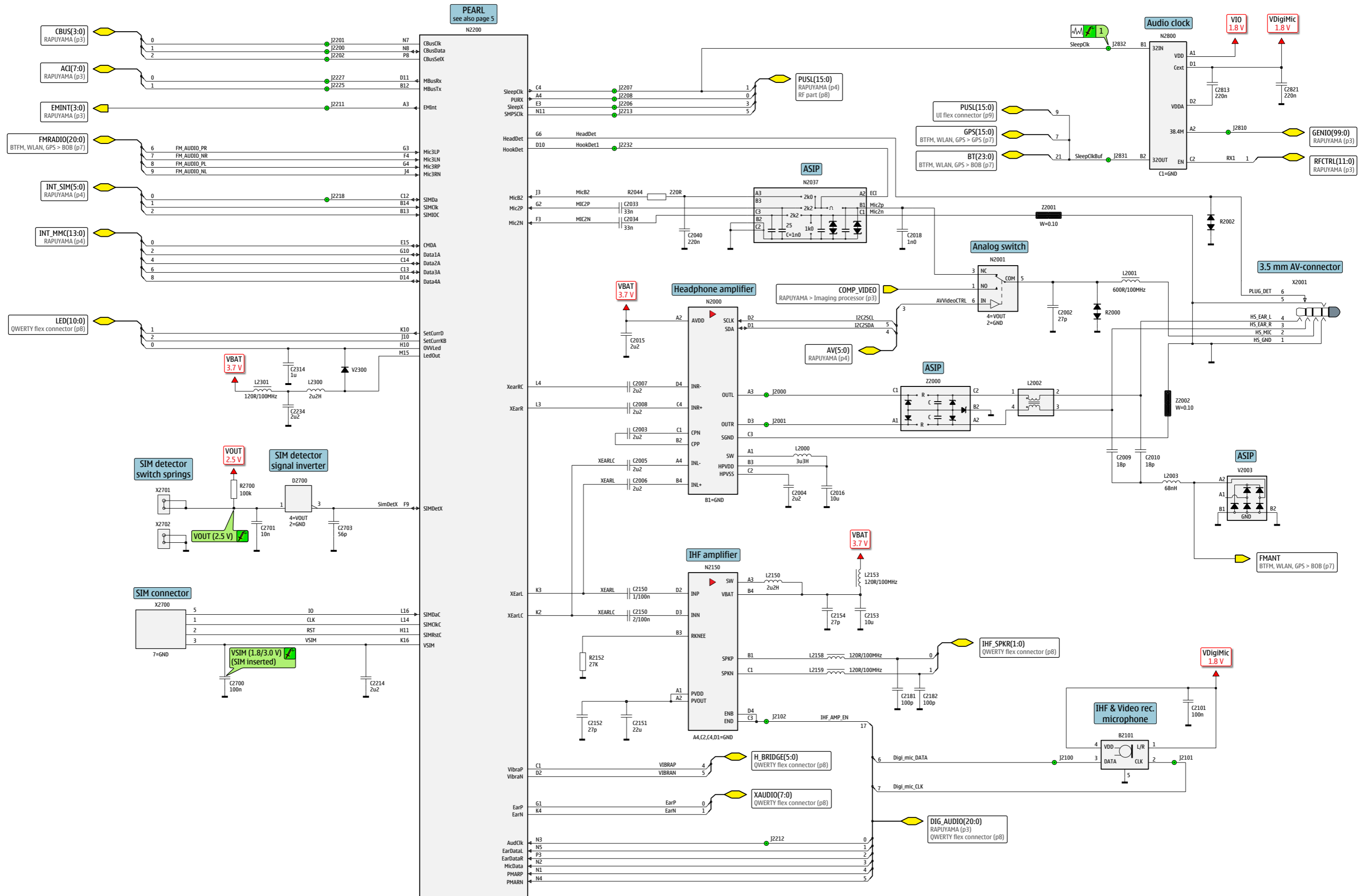


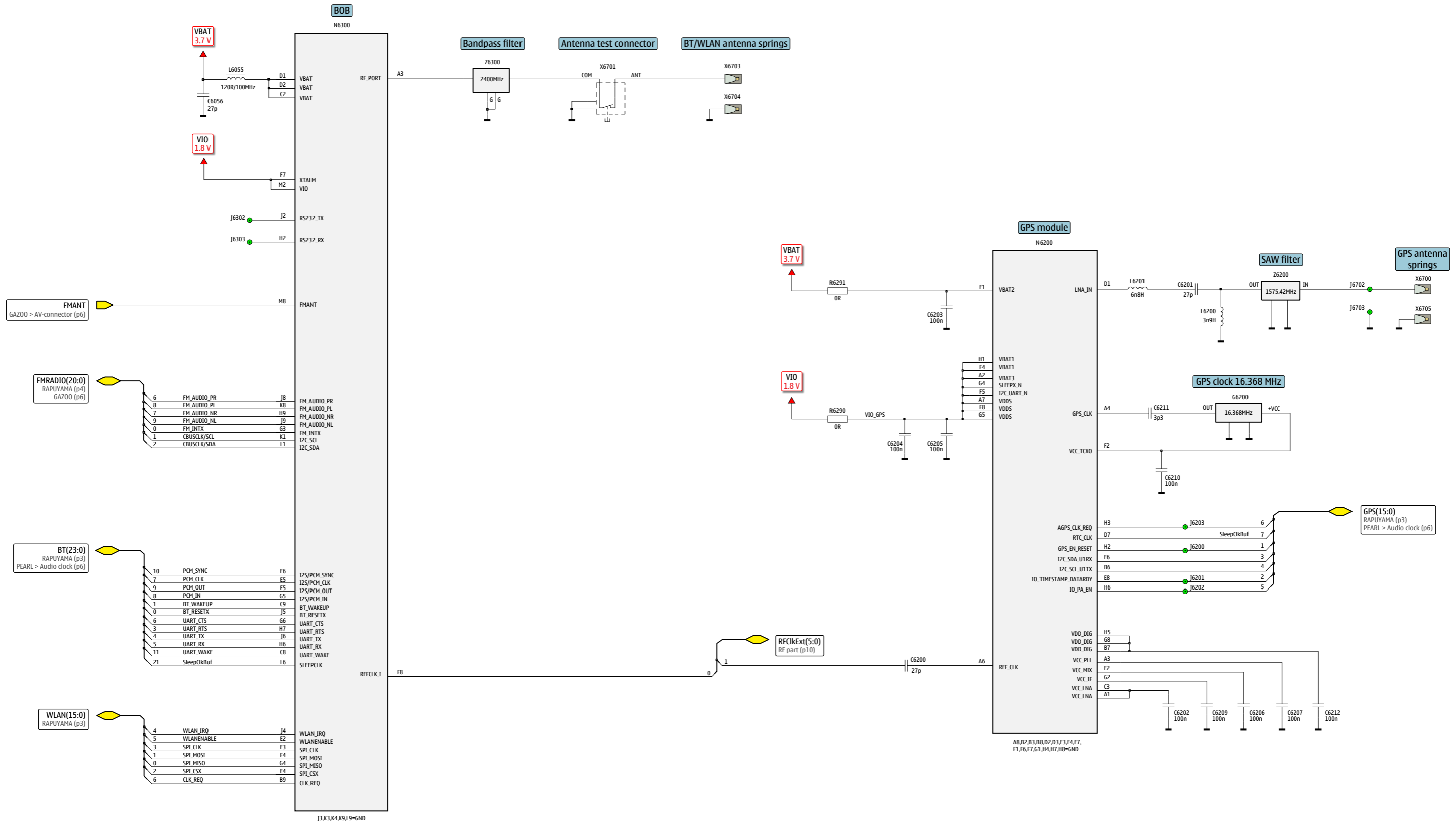
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C18,C23,D1,D8,D9,D18,D25,E1,E3,E23,F23,G10,H1,H7,H9,H23,J1,K1,L1,N2,N21,P1,T1,T2,U1,V23,V29=VIO
H14,H15,J8,J9,J10,J11,J2,J15,I16,K8,I8,I16,H8,M16,N8,N15,P8,P9,R11,R12,R13,R14,R15,R16,T8,T9,T10,T12,T15=VCORE
A13,AA2,AA3,AA4,AA20,AA22,AA2,AA5,AA8,AA10,AA13,AA4,AA12,AA4,B5,B7,B8,B10,B12,B15,B18,B22,C9,C10,C15,C16,C19,C21,C22,C17,D14,D17,D21,E2,
E5,F2,F3,F22,G1,G8,G16,H2,H8,H10,H11,H16,H22,I13,I14,K2,K9,K15,K16,K22,L2,L19,L15,M1,N16,P2,P9,P15,P16,P20,R10,T11,T14,T16,U23,Y12=GND

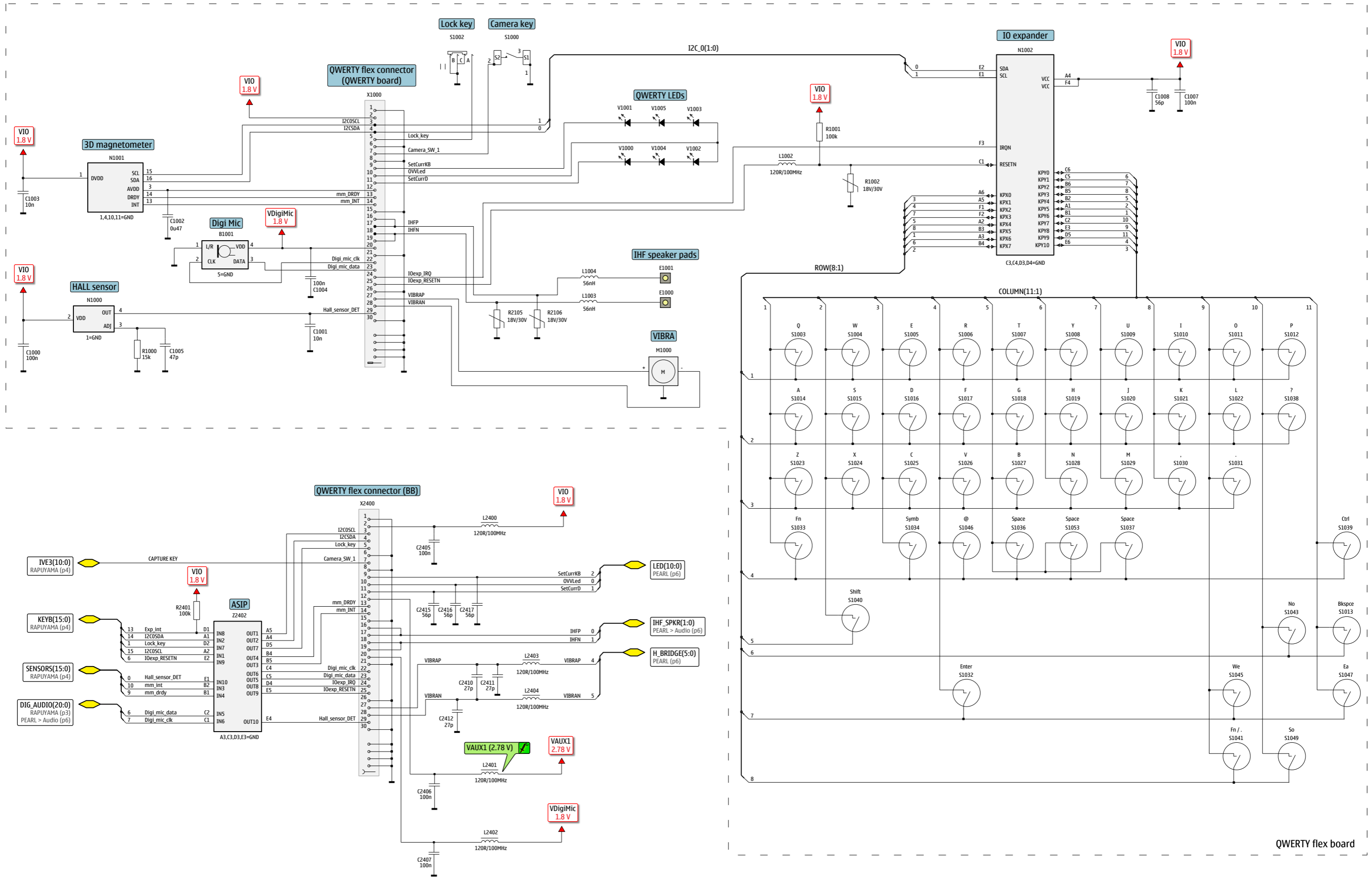


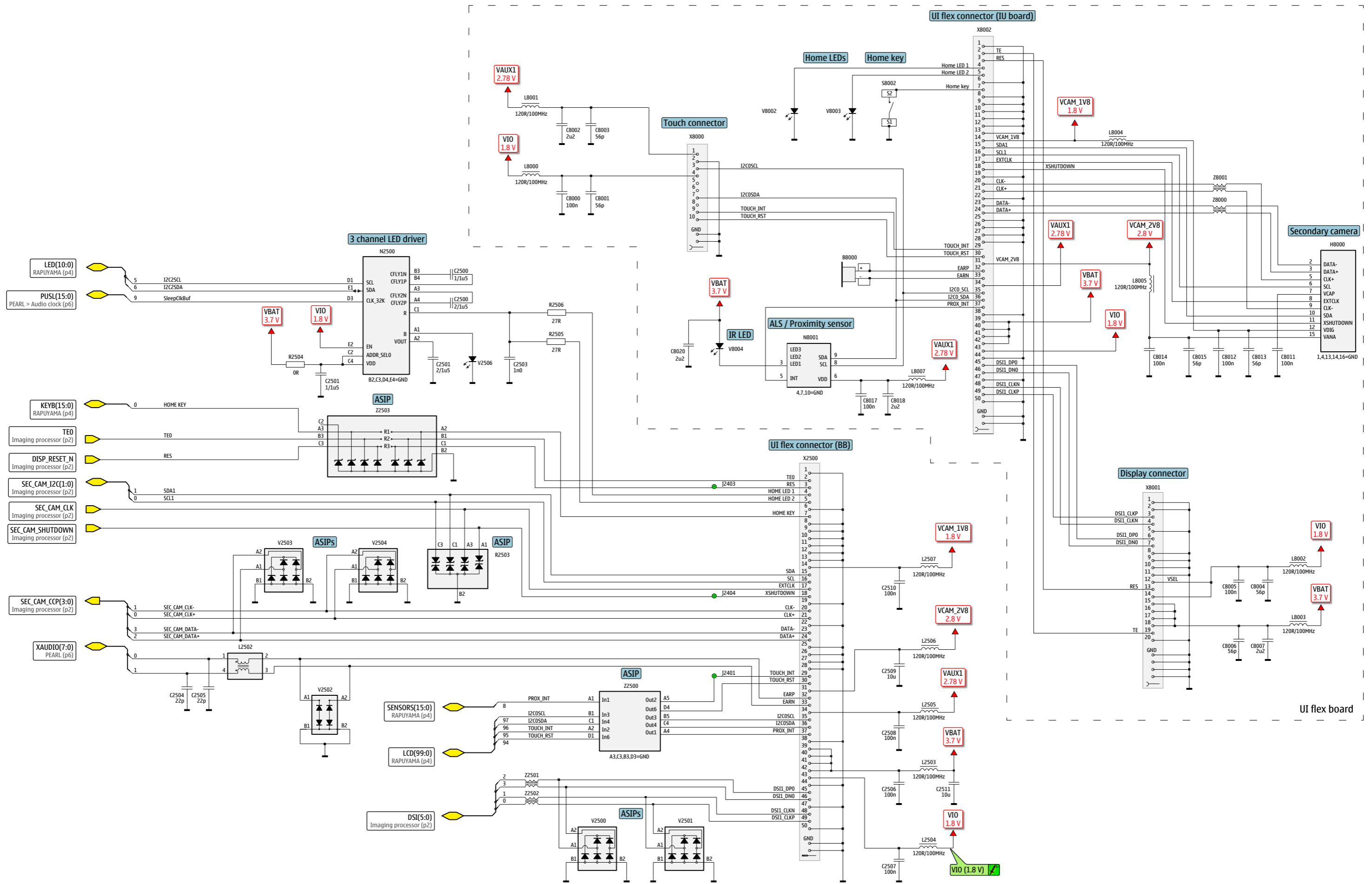


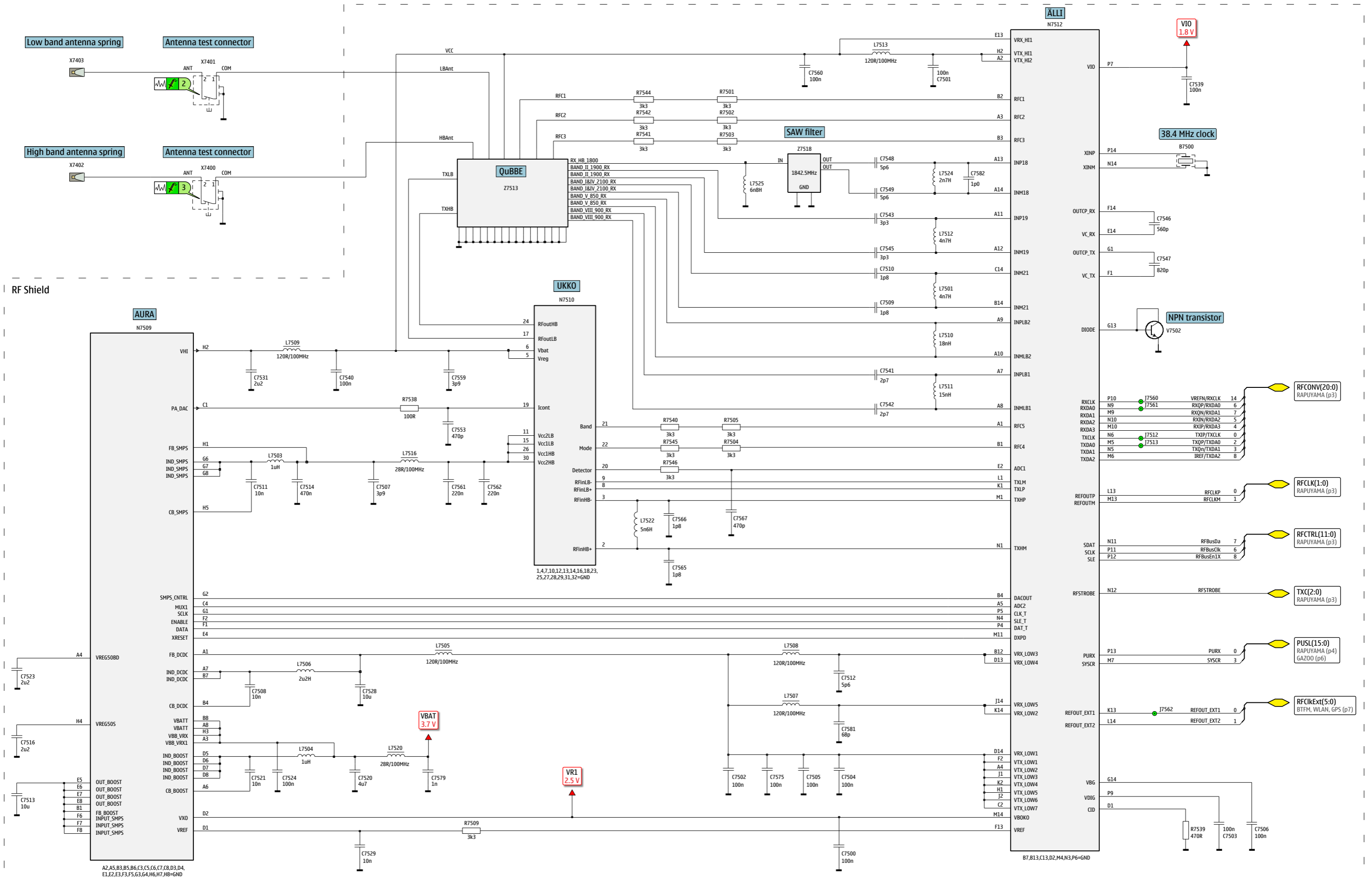
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A1, B1, B9, D1, F8, F15, H15, J15, K15, L13, M13, N10, P5, P6, P11, R7, R8, T3, T10=VBAT

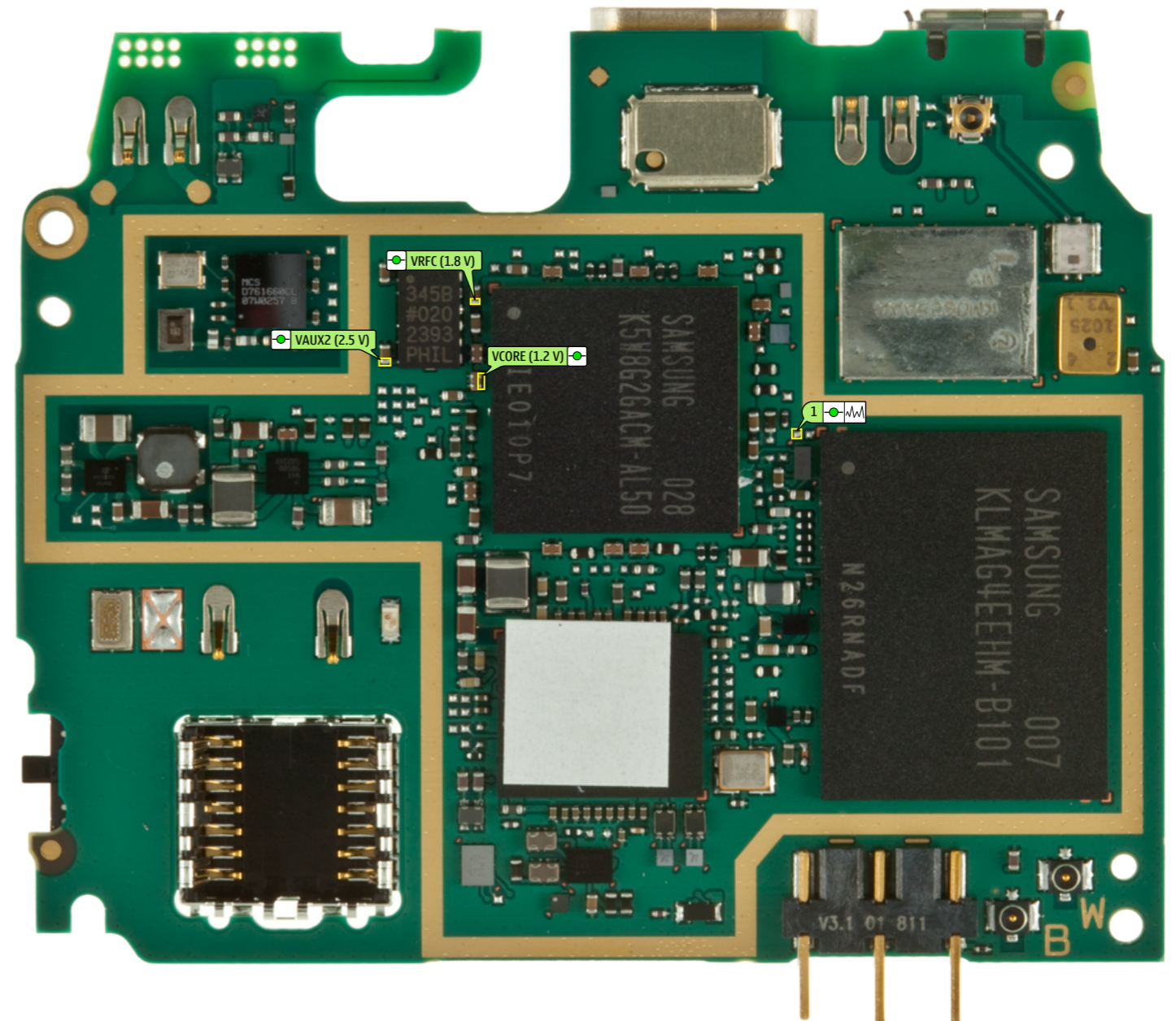
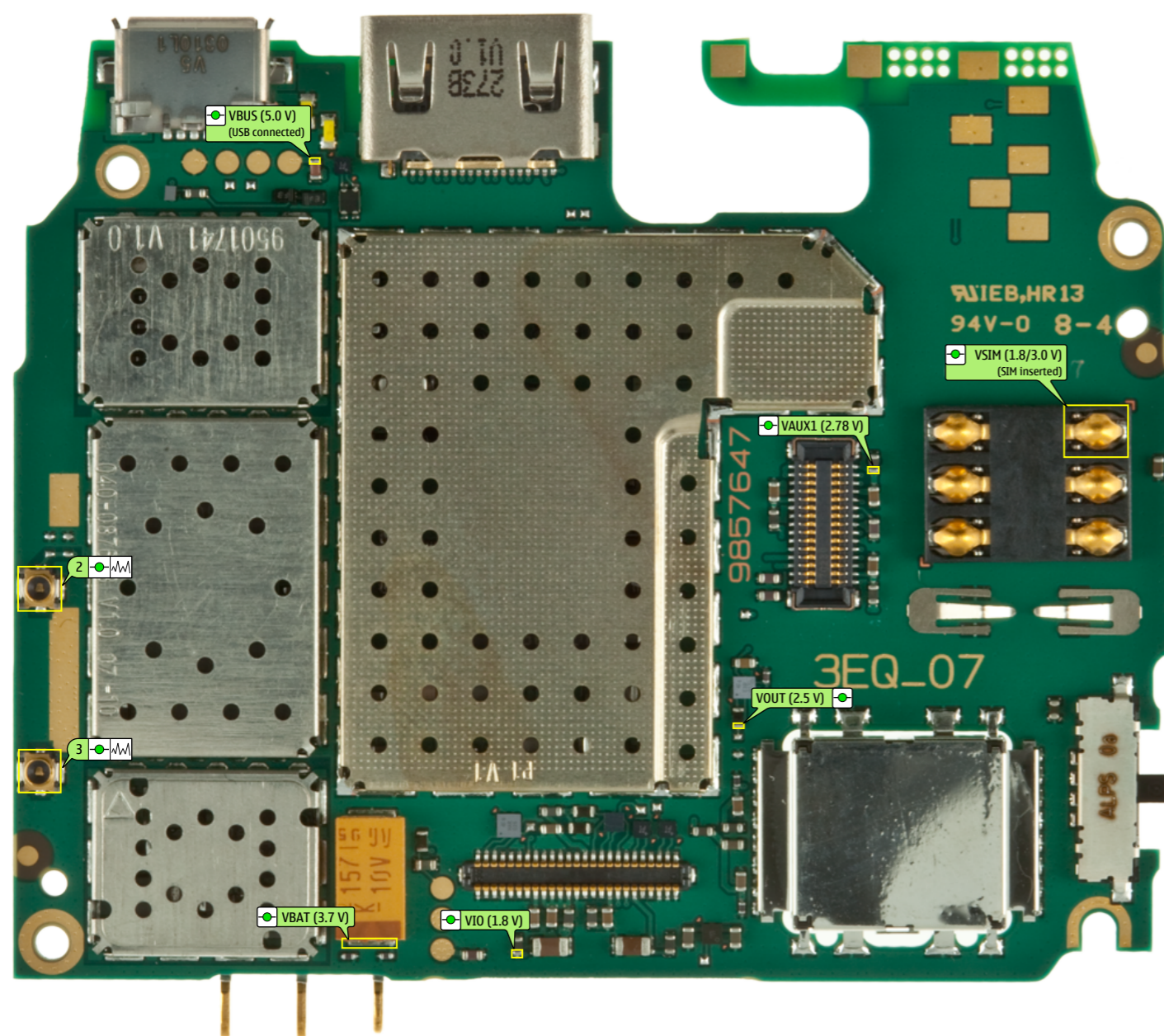
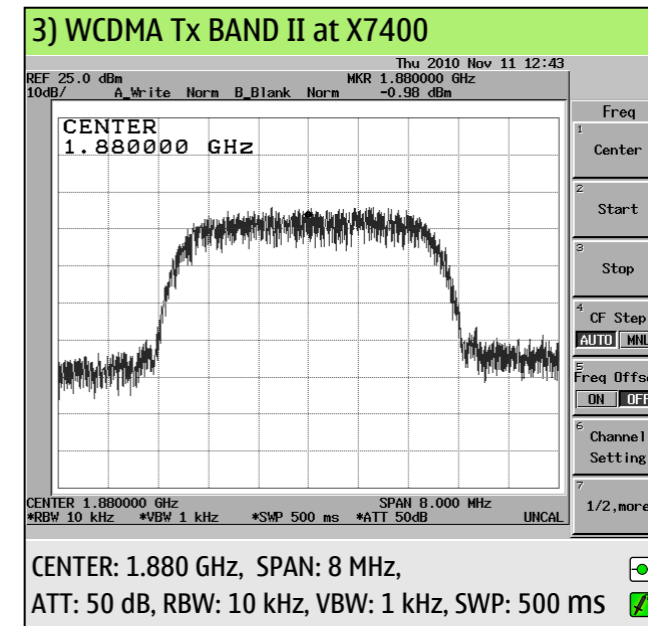
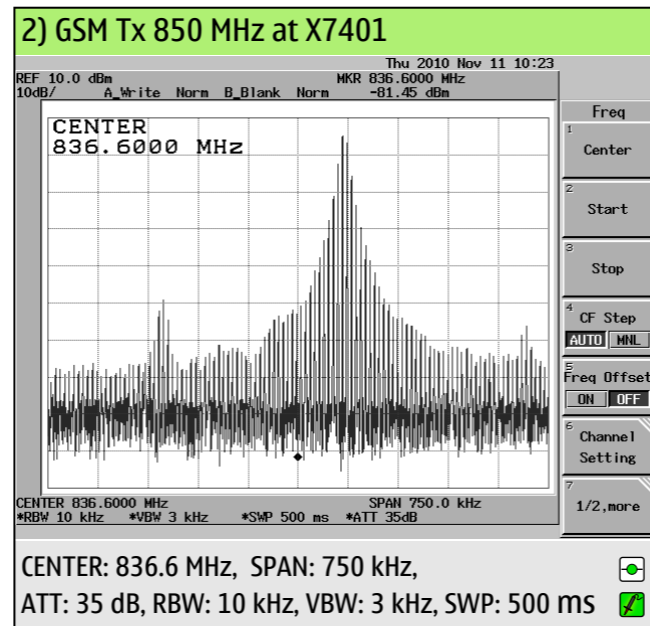
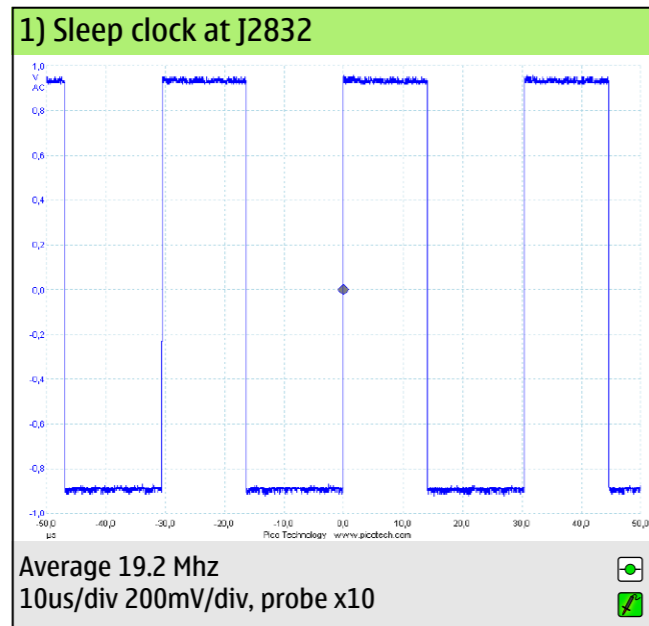




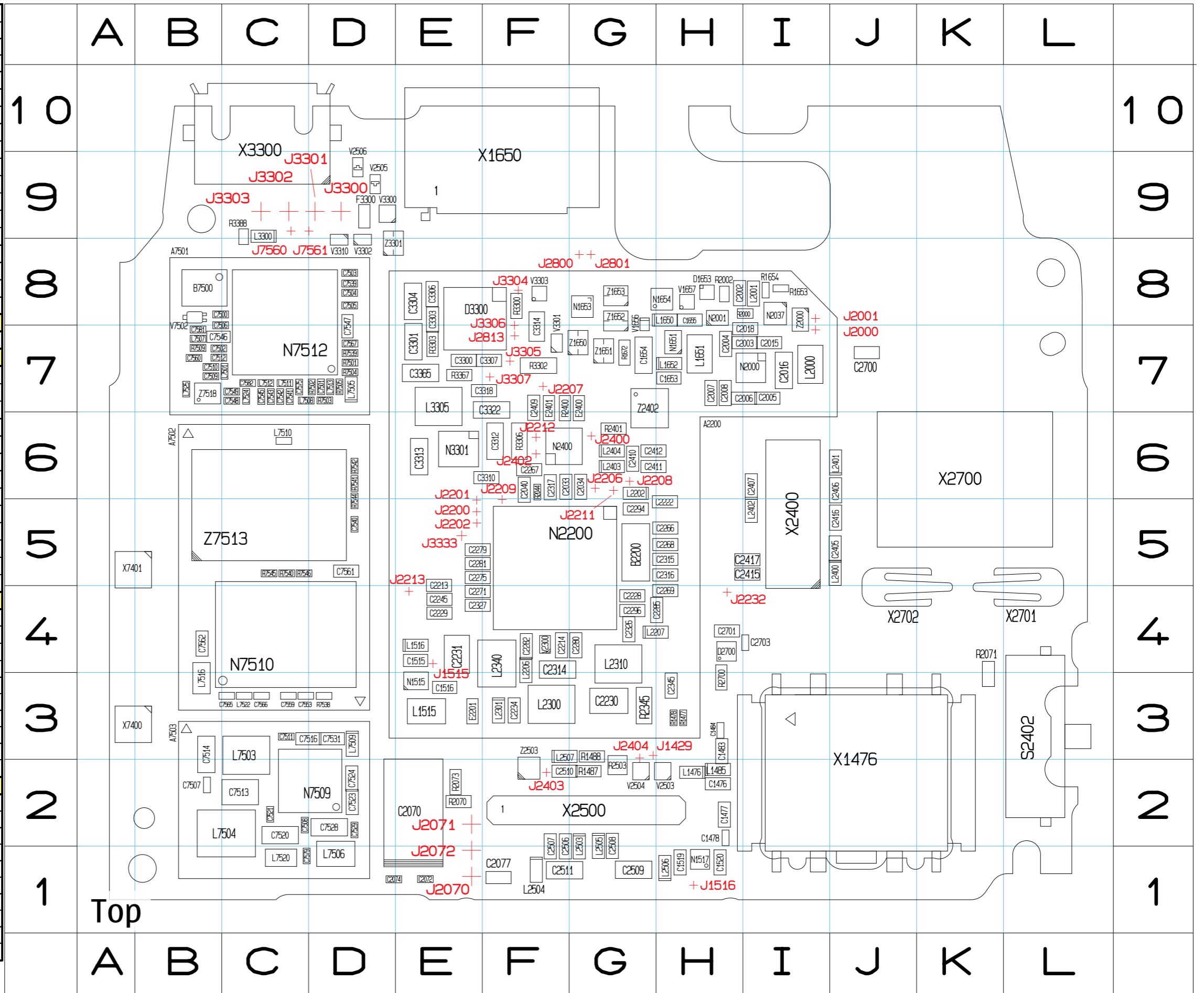




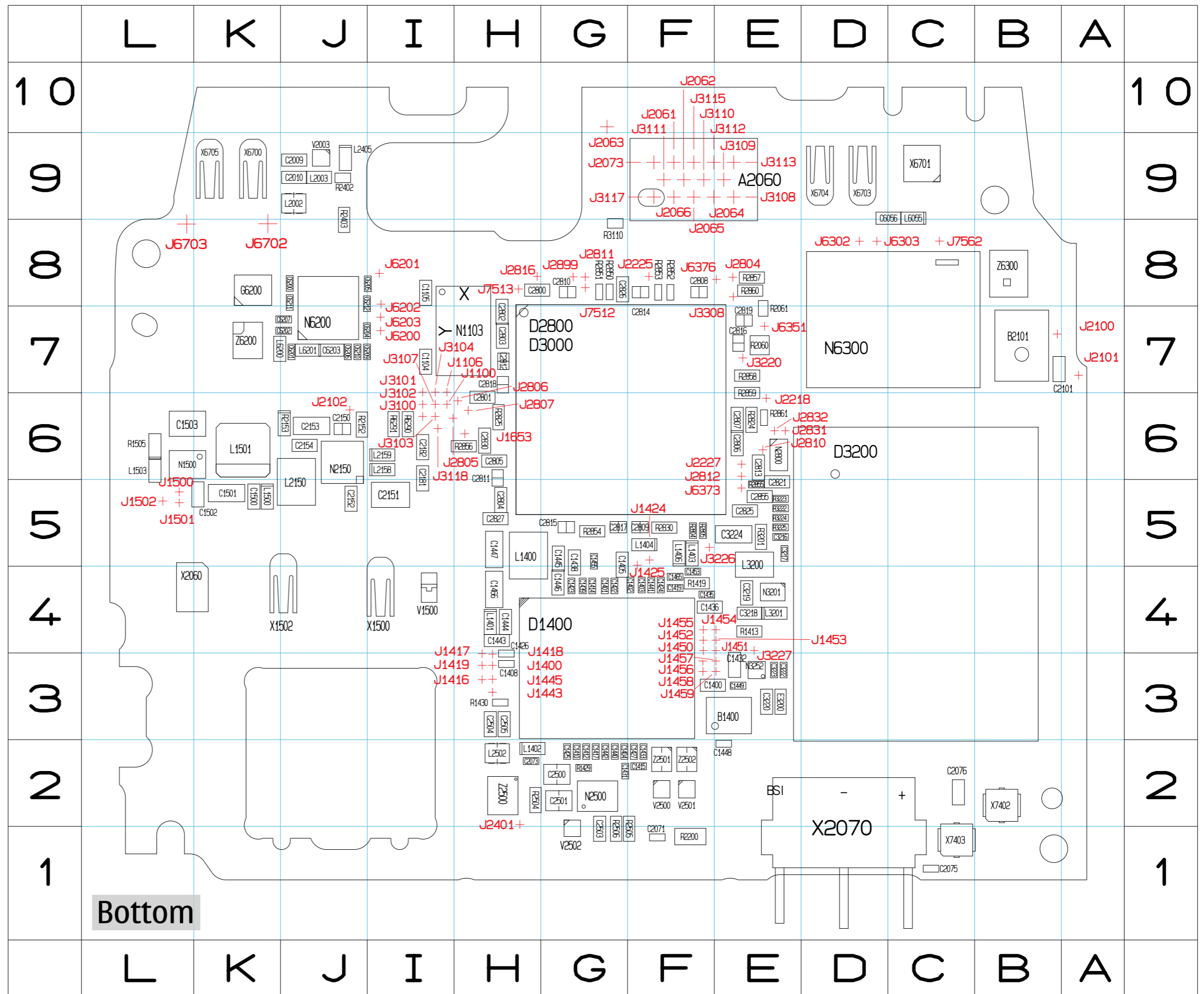




A	C2294	G5	C7521	C2	L2505	G2	R3303	E7	
A2200	G5	C2296	G4	C7523	D2	L2506	H1	R3306	F6
A7501	C7	C2314	F4	C7524	D2	L2507	F3	R3367	E7
A7502	C5	C2315	H5	C7528	D2	L3300	C9	R3388	C9
A7503	C2	C2316	H5	C7529	D2	L3305	E7	R7501	D7
B	C2317	F6	C7531	D3	L7501	C7	R7502	D7	
B2200	G5	C2326	G4	C7539	D8	L7503	C3	R7503	D7
B7500	B8	C2327	E4	C7540	D5	L7504	C2	R7504	D7
C	C2345	H3	C7541	C7	L7505	D7	R7505	D7	
C1476	H2	C2405	J5	C7542	C7	L7506	D1	R7509	B7
C1477	H2	C2406	J6	C7543	C7	L7507	B7	R7538	D3
C1478	H2	C2407	I6	C7545	C7	L7508	C7	R7539	D7
C1483	H3	C2409	F7	C7546	B7	L7509	D3	R7540	C5
C1484	H3	C2410	G6	C7547	D7	L7510	C6	R7541	D6
C1515	E4	C2411	G6	C7548	C7	L7511	C7	R7542	D6
C1516	E3	C2412	G6	C7549	C7	L7512	C7	R7544	D5
C1519	H1	C2415	I5	C7553	C3	L7513	D7	R7545	C5
C1520	H1	C2416	J5	C7559	C3	L7516	B3	R7546	C5
C1653	H7	C2417	I5	C7560	B7	L7520	C1	S	
C1654	G7	C2506	F1	C7561	D5	L7522	C3	S2402	L3
C1655	H8	C2507	F1	C7562	B4	L7524	C7	V	
C2002	H8	C2508	G2	C7565	C3	L7525	B7	V1656	G8
C2003	I7	C2509	G1	C7566	C3	N		V1657	H8
C2004	H7	C2510	F2	C7567	D7	N1515	E3	V2300	F4
C2005	I7	C2511	F1	C7575	C7	N1517	H1	V2503	H2
C2006	I7	C2700	J7	C7579	C1	N1651	H7	V2504	G2
C2007	H7	C2701	H4	C7581	B7	N1653	G8	V2505	D9
C2008	H7	C2703	I4	C7582	C7	N1654	H8	V2506	D9
C2015	I7	C3300	E7	D	N2000	I7	V3300	D9	
C2016	I7	C3301	E7	D1653	H8	N2001	H8	V3301	F7
C2018	I7	C3303	E8	D2700	H4	N2037	I8	V3302	D8
C2033	F6	C3304	E8	D3300	E8	N2200	F5	V3303	F8
C2034	G6	C3306	E8	F	N2400	F6	V3310	D8	
C2040	F6	C3307	F7	F3300	D9	N3301	E6	V7502	B8
C2070	E2	C3310	F6	L	N7509	D2	X		
C2072	E1	C3312	F6	L1476	H2	N7510	C4	X1476	J2
C2074	D1	C3313	E6	L1485	H2	N7512	C8	X1650	F10
C2077	F1	C3314	F7	L1515	E3	R	X2400	I5	
C2213	E5	C3318	F7	L1516	E4	R1477	H3	X2500	G2
C2214	F4	C3322	F7	L1650	H8	R1478	H3	X2700	K6
C2222	H5	C3365	E7	L1651	H7	R1487	G2	X2701	L4
C2228	G4	C7500	B8	L1652	H7	R1488	G3	X2702	J4
C2229	E4	C7501	D7	L2000	I7	R1653	I8	X3300	C10
C2230	G3	C7502	B7	L2001	I8	R1654	I8	X7400	A3
C2231	E4	C7503	D8	L2202	G6	R1672	G7	X7401	A5
C2234	F3	C7504	D8	L2206	F4	R2000	I8	Z	
C2245	E4	C7505	D8	L2207	G4	R2002	H8	Z1650	G7
C2266	H5	C7506	B7	L2300	F3	R2044	F6	Z1651	G7
C2267	F6	C7507	B2	L2301	F3	R2070	E2	Z1652	G8
C2268	H5	C7508	C2	L2310	G4	R2071	K3	Z1653	G8
C2269	H4	C7509	B7	L2340	F4	R2073	E2	Z2000	I8
C2271	E4	C7510	B7	L2400	J5	R2345	G3	Z2402	G7
C2275	E5	C7511	C3	L2401	J6	R2400	F7	Z2503	F2
C2279	E5	C7512	B7	L2402	I5	R2401	G6	Z3301	D8
C2280	G4	C7513	C2	L2403	G6	R2503	G2	Z7513	C5
C2281	E5	C7514	B3	L2404	G6	R2700	H3	Z7518	B7
C2282	F4	C7516	C3	L2503	G1	R3300	F8		
C2285	H4	C7520	C2	L2504	F1	R3302	F7		



A	C2075	C1	C6206	J7	R2402	J9	
A2060	F9	C2076	C2	C6207	J7	R2403	J8
B	C2101	B7	C6209	J7	R2504	H2	
B1400	E3	C2150	J6	C6210	J7	R2505	F1
B2101	B7	C2151	I5	C6211	J8	R2506	G1
C	C2152	J5	C6212	J8	R2804	F5	
C1104	I7	C2153	J6	D	R2805	F5	
C1105	I8	C2154	J6	D1400	G3	R2824	E6
C1400	F3	C2181	I6	D2800	G6	R2825	H6
C1401	G4	C2182	I6	D3000	G6	R2830	F5
C1402	F4	C2500	G2	D3200	C4	R2850	G8
C1403	F4	C2501	G2	G	R2851	G8	
C1404	G2	C2503	G1	G6200	K8	R2852	F8
C1405	G5	C2504	H3	L	R2853	F8	
C1408	H3	C2505	H3	L1400	H5	R2854	G5
C1410	G2	C2800	H8	L1401	H4	R2855	E5
C1412	G2	C2801	H6	L1402	H2	R2856	H6
C1414	G4	C2802	H7	L1403	F5	R2857	E8
C1415	F2	C2803	H7	L1404	F5	R2858	E7
C1417	G2	C2804	H5	L1406	F5	R2859	E6
C1419	F4	C2805	H6	L1500	K5	R2860	E8
C1422	G4	C2806	E6	L1501	K6	R2861	E6
C1423	G4	C2807	E6	L1503	L6	R3110	G8
C1424	F4	C2808	F8	L2002	J9	R3201	E5
C1425	G2	C2809	F5	L2003	J9	R3222	E5
C1426	H3	C2810	G8	L2150	J5	R3223	E5
C1427	F2	C2811	H6	L2158	I6	R3224	E5
C1431	G2	C2812	H7	L2159	I6	R3225	E5
C1432	E3	C2813	E6	L2405	J9	R6290	I6
C1433	F2	C2814	F8	L2502	H2	R6291	I6
C1435	F4	C2815	G5	L3200	E5	V	
C1436	F4	C2816	E7	L3201	E4	V1500	I4
C1438	G5	C2817	G5	L6055	C9	V2003	J9
C1439	G4	C2818	H7	L6200	K7	V2500	F2
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C1442	G2	C2825	E5	N1103	H7	X	
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C1444	H4	C2827	H5	N2150	J6	X1502	J4
C1445	G5	C2830	H6	N2500	G2	X2060	L4
C1446	G4	C2855	E5	N2800	E6	X2070	D2
C1447	H5	C3216	E5	N3201	E4	X6700	K9
C1448	E2	C3217	E5	N3252	E3	X6701	C9
C1449	E3	C3218	E4	N6200	J7	X6703	D9
C1453	F4	C3219	E4	N6300	C7	X6704	D9
C1455	G5	C3220	E3	R	X6705	K9	
C1465	F4	C3222	E3	R1413	E4	X7402	B2
C1466	H4	C3223	E3	R1419	F4	X7403	C1
C1500	K5	C3224	E5	R1429	G2	Z	
C1501	K5	C6056	C9	R1430	H3	Z2500	H2
C1502	K5	C6200	J8	R1505	L6	Z2501	F2
C1503	L6	C6201	J7	R2060	E7	Z2502	F2
C2009	J9	C6202	J7	R2061	E7	Z6200	K7
C2010	J9	C6203	J7	R2152	J6	Z6300	B8
C2071	F1	C6204	J7	R2153	J6		
C2073	H2	C6205	I8	R2200	F1		



B	
B1001	O2
C	
C1000	M11
C1001	M11
C1002	D12
C1003	D12
C1004	O2
C1005	M12
C1007	M9
C1008	M9
E	
E1000	O1
E1001	L1
E1002	M10
E1003	K16
E1004	L25
E1005	N7
E1006	N1
E1007	M1
L	
L1002	M8
L1003	O2
L1004	L2
M	
M1000	O8
N	
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N1001	D13
N1002	M8
R	
R1000	M12
R1001	M8
R1002	M8
R2105	O2
R2106	L2
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S1002	D16
V	
V1000	K17
V1001	K25
V1002	K7
V1003	K14
V1004	K15
V1005	K16
X	
X1000	M23

