

# Service Schematics

# NOKIA N93

## RM-55

## Introduction

### IMPORTANT:

This document is intended for use by authorized NOKIA 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”.  
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 2006.12.5.136  
Oscilloscope : Fluke PM 3380A/B  
Spectrum Analyzer : Advantest 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](mailto:training.sace@nokia.com)

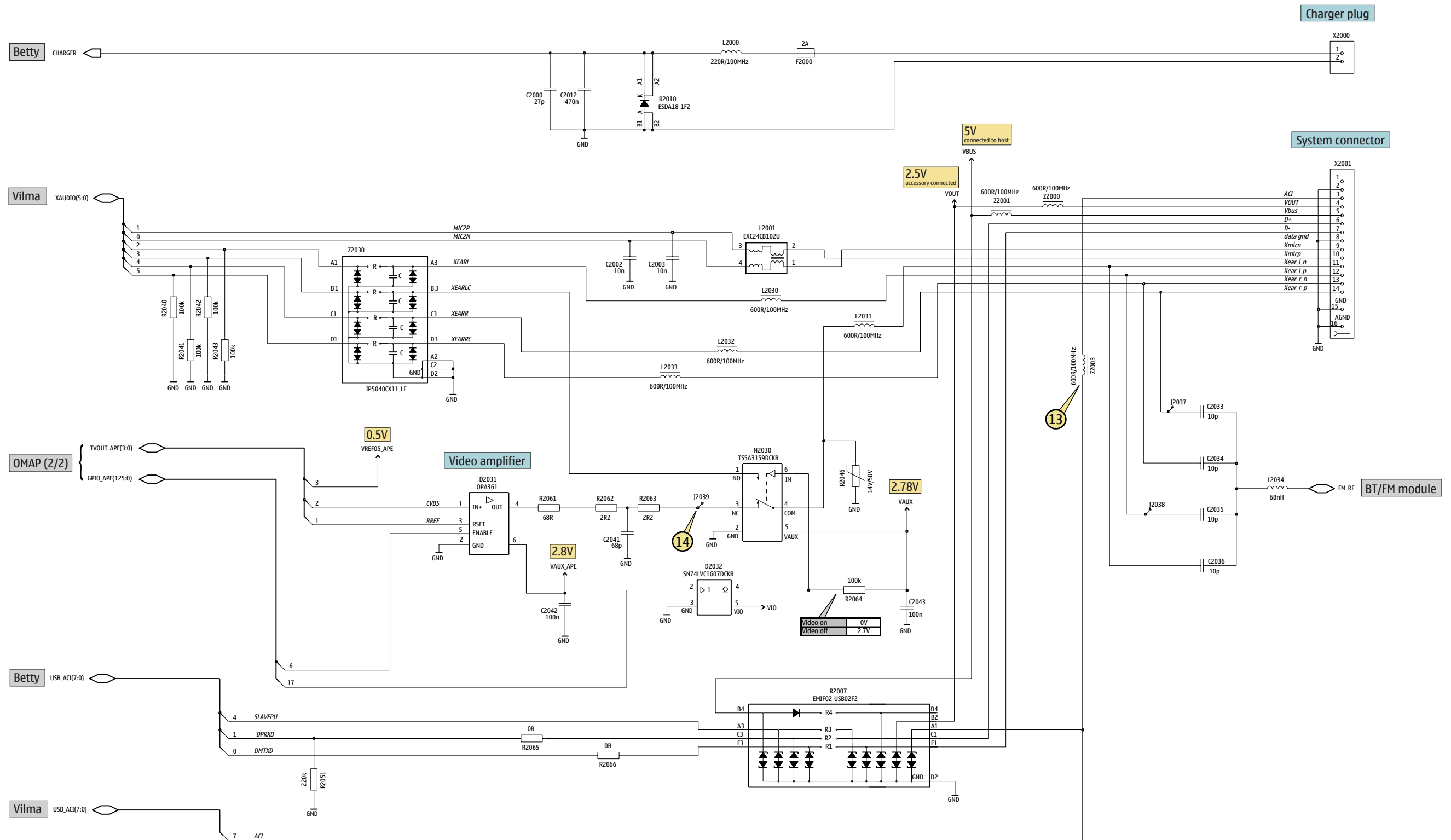


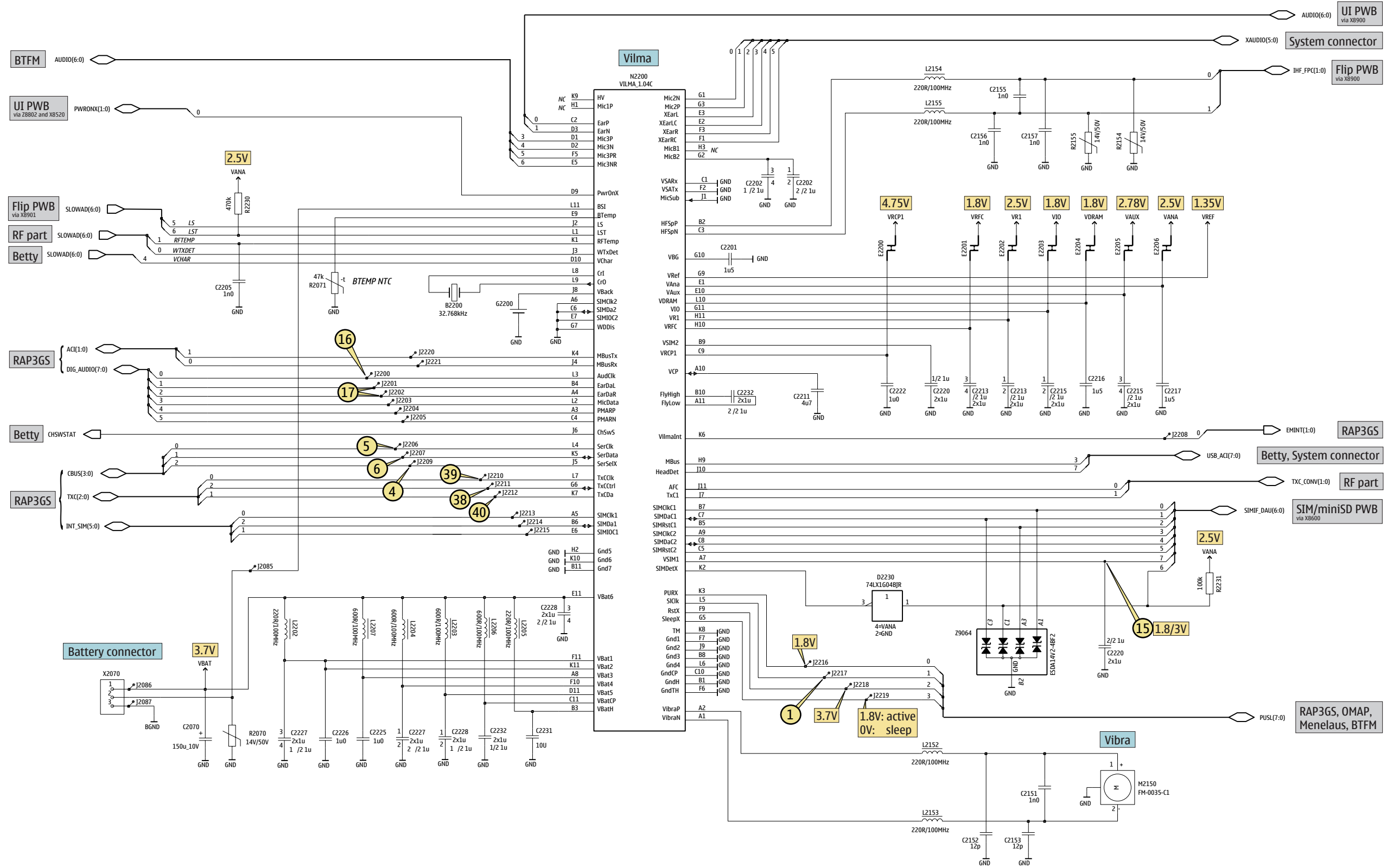
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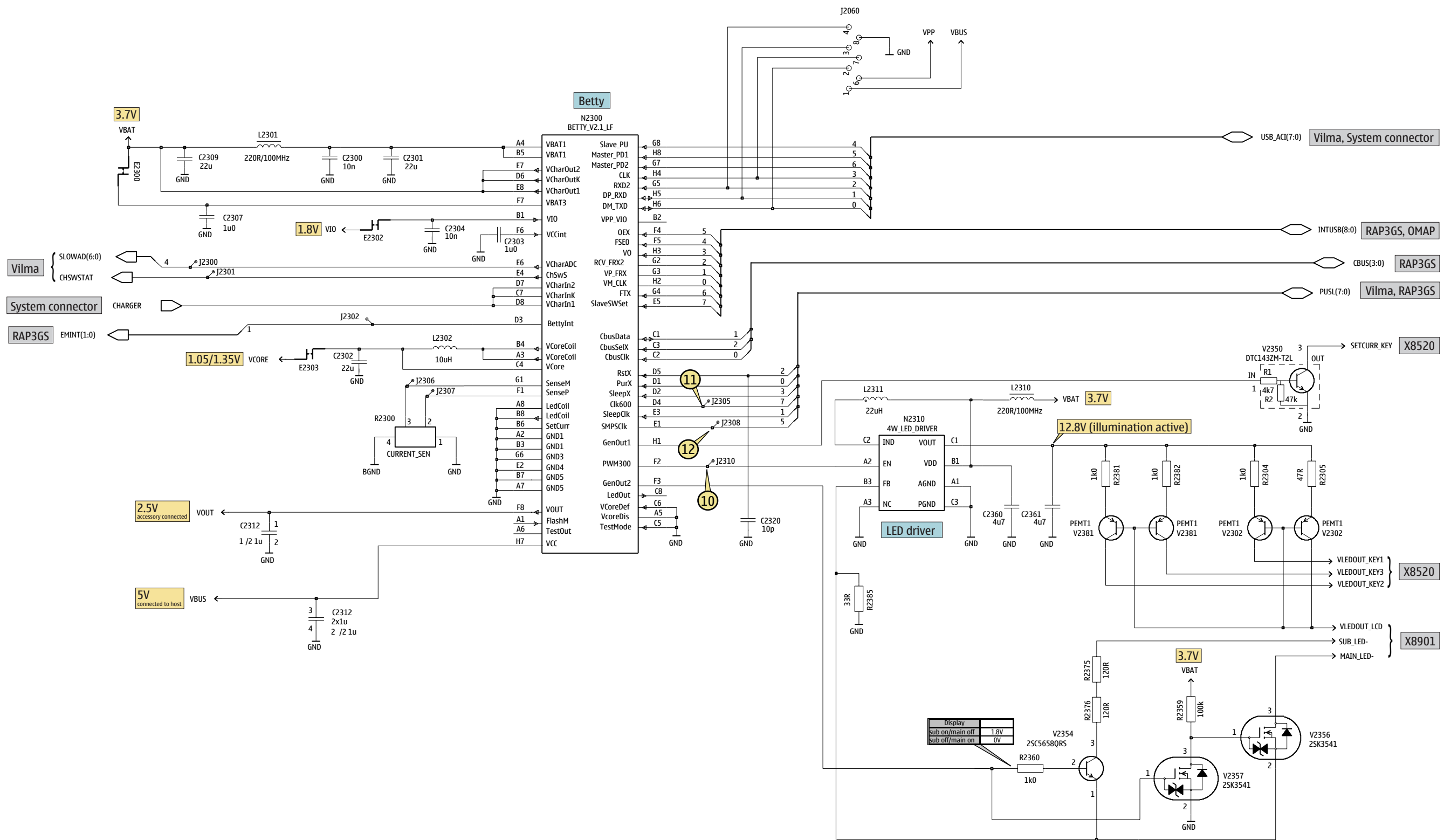
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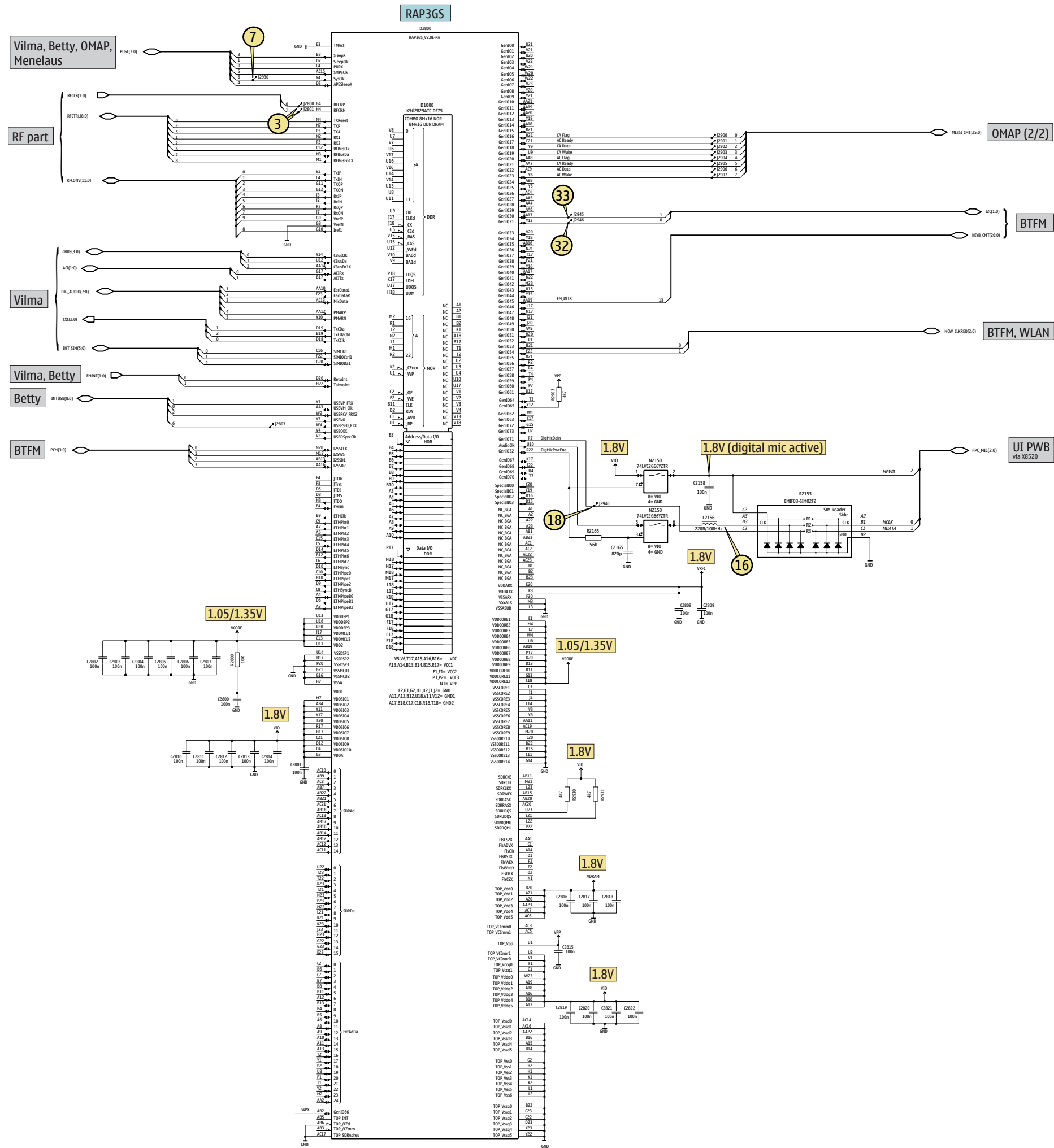
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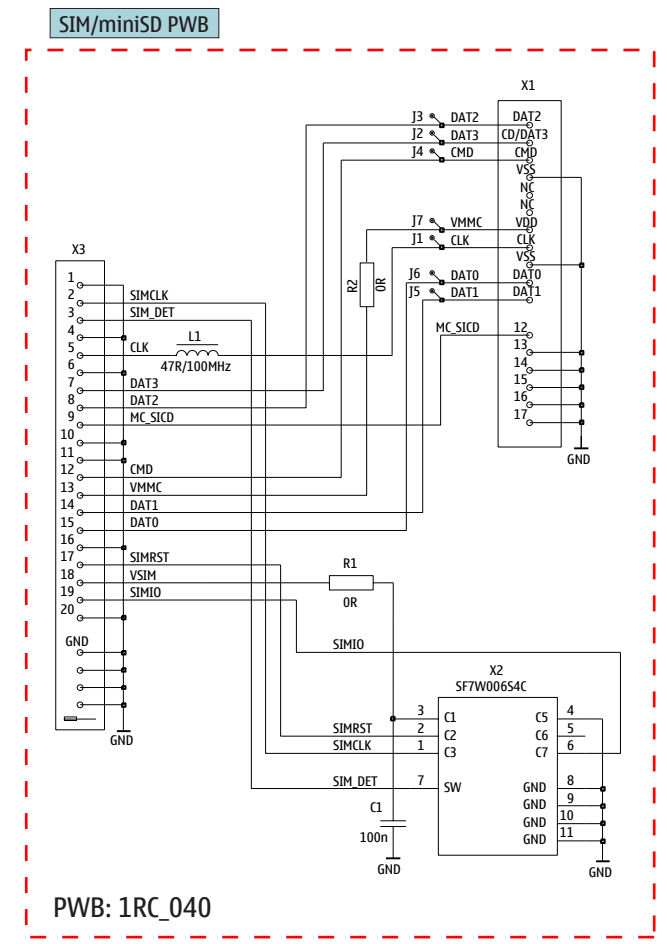
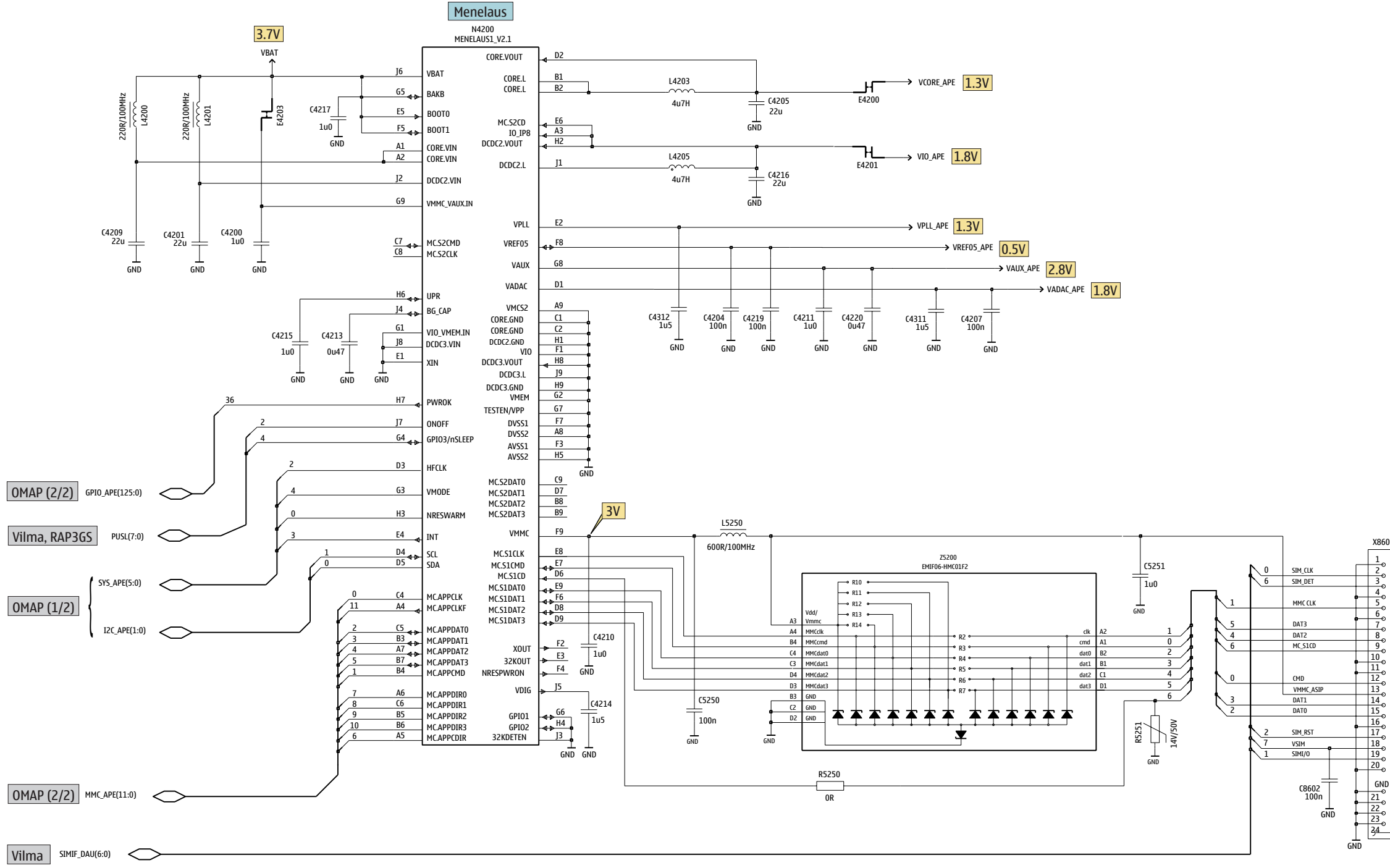
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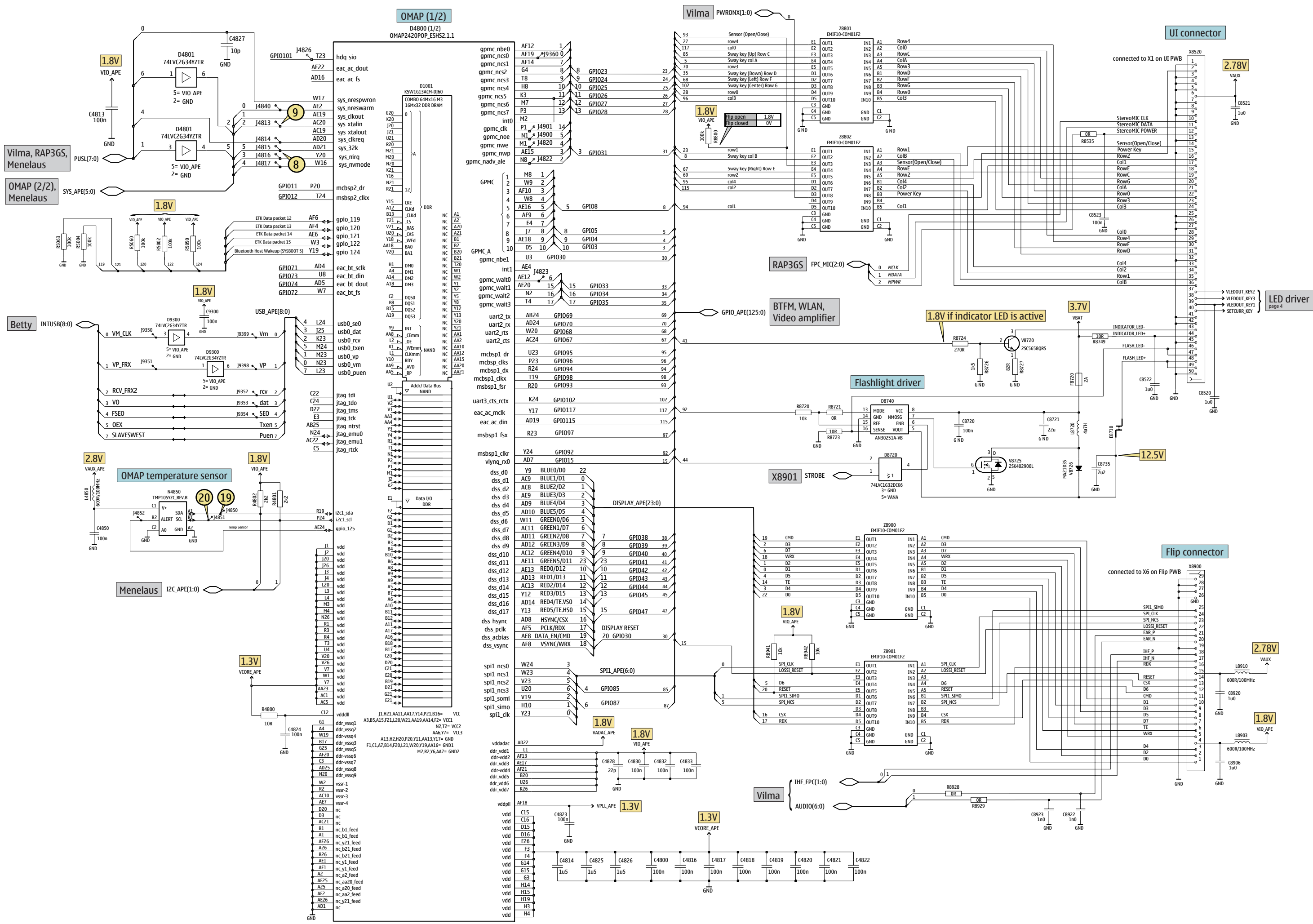


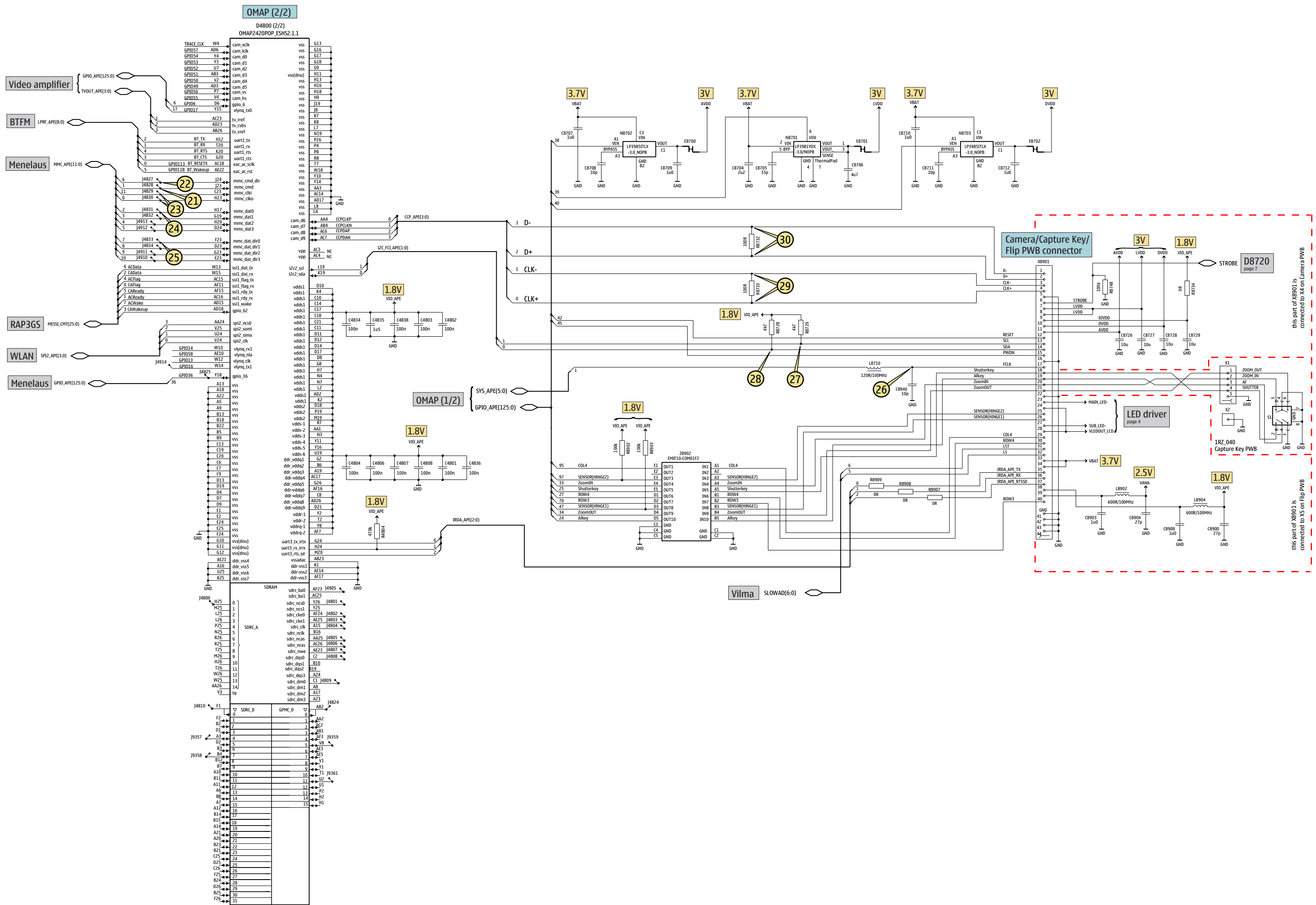




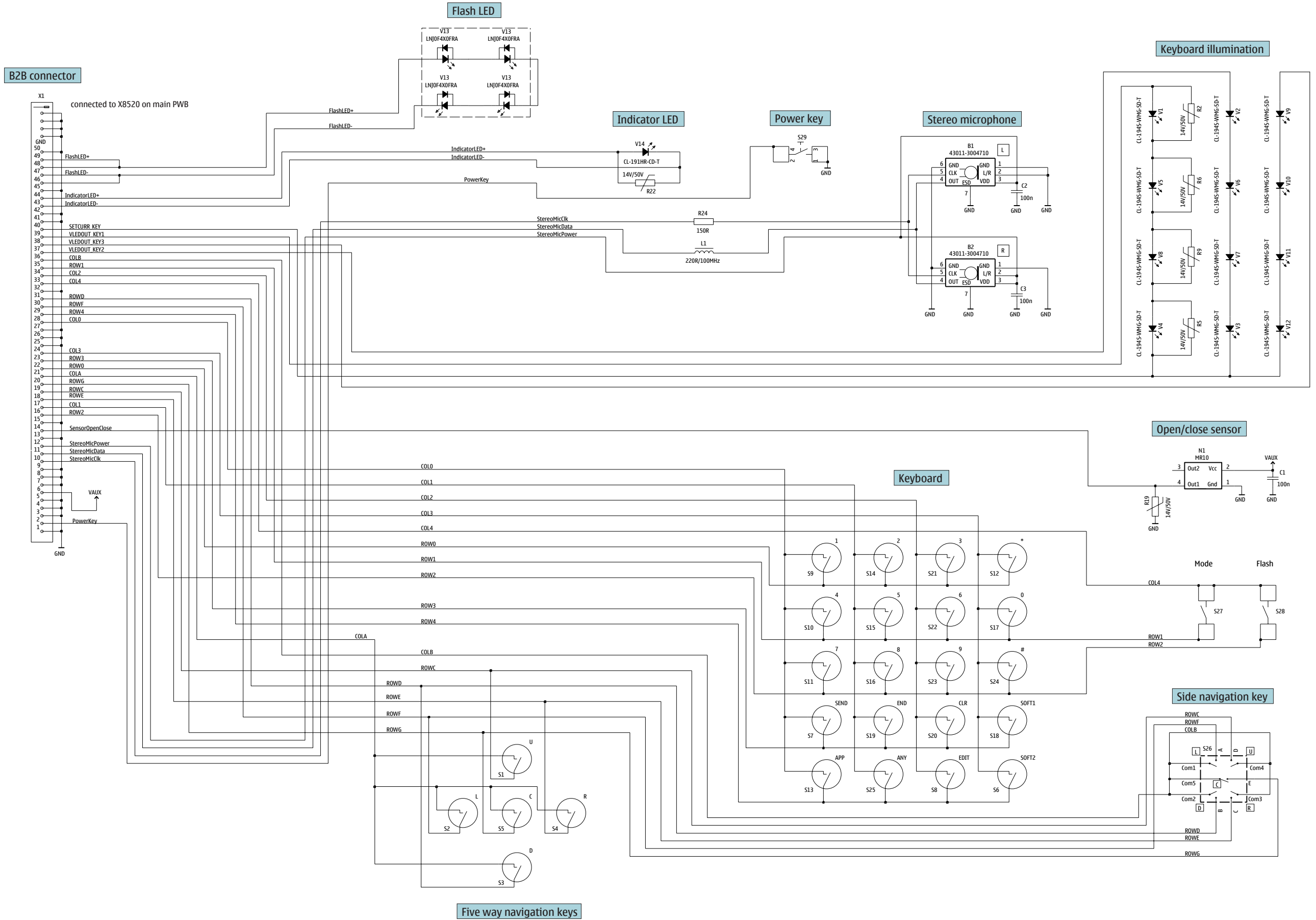




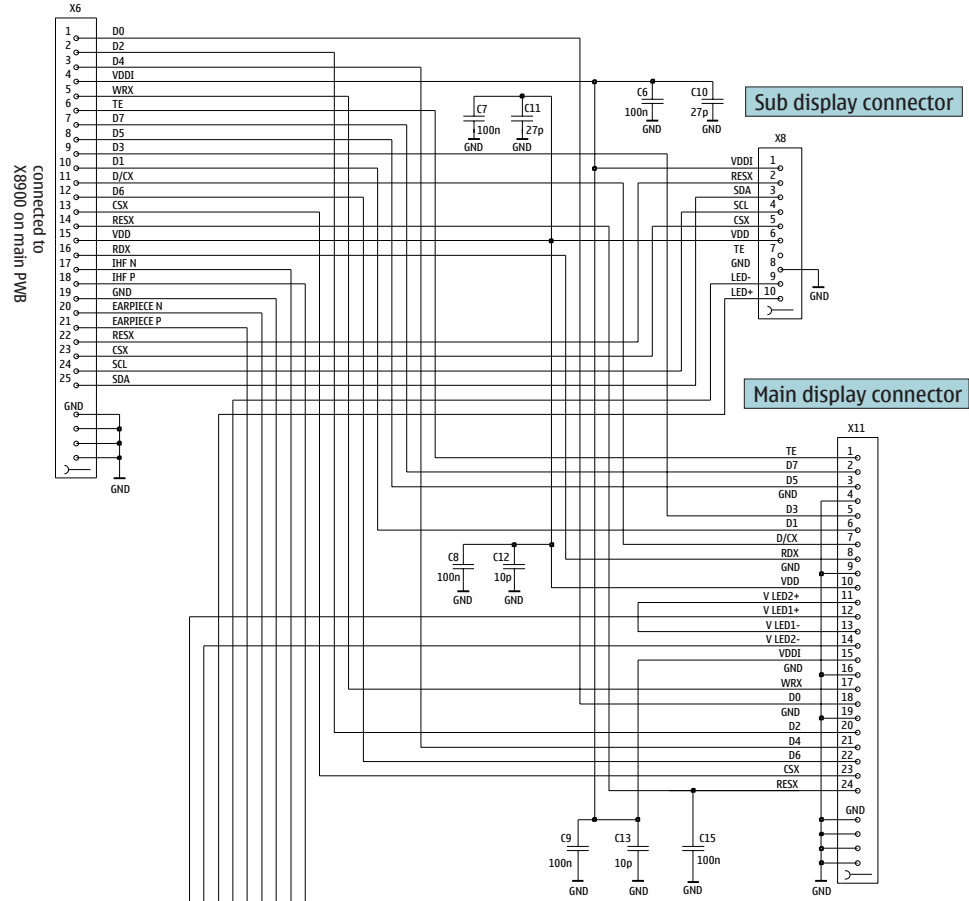




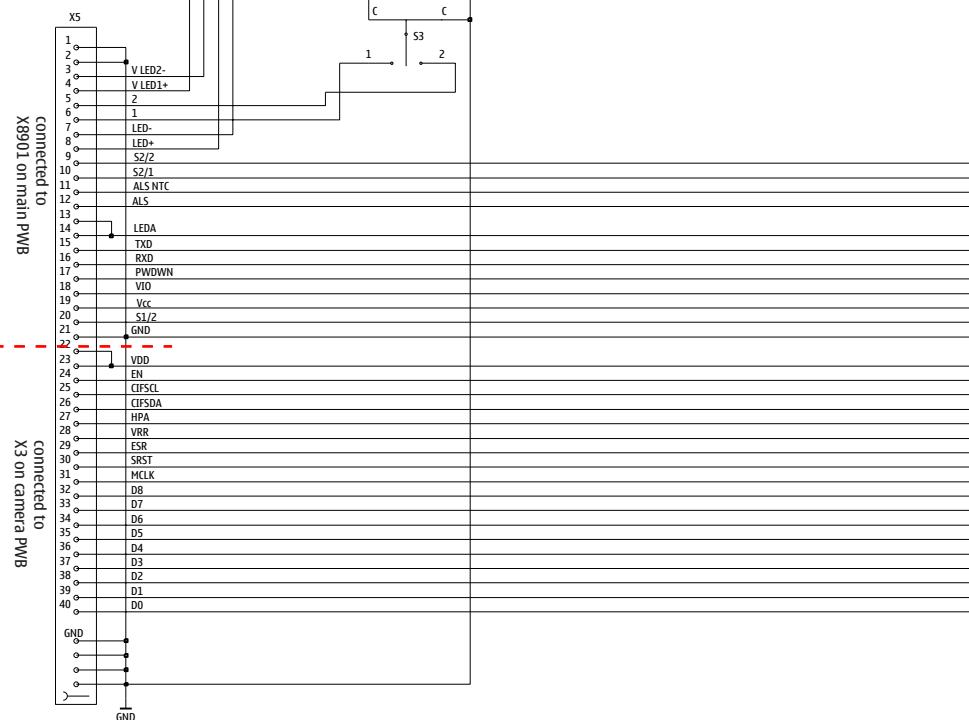




**B2B connector**



**B2B connector**



**Sub display connector**

**Main display connector**

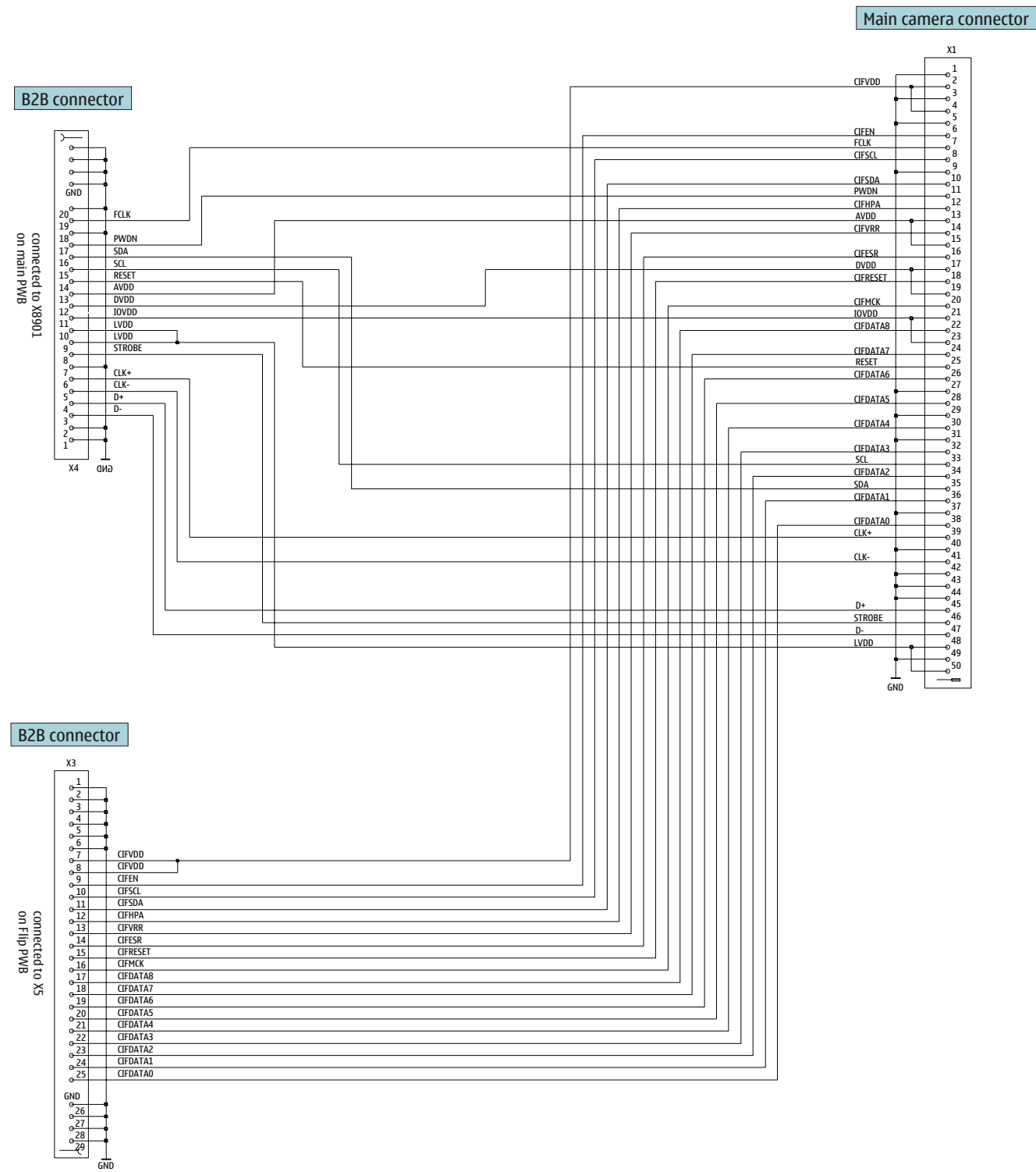
**Sub camera connector**

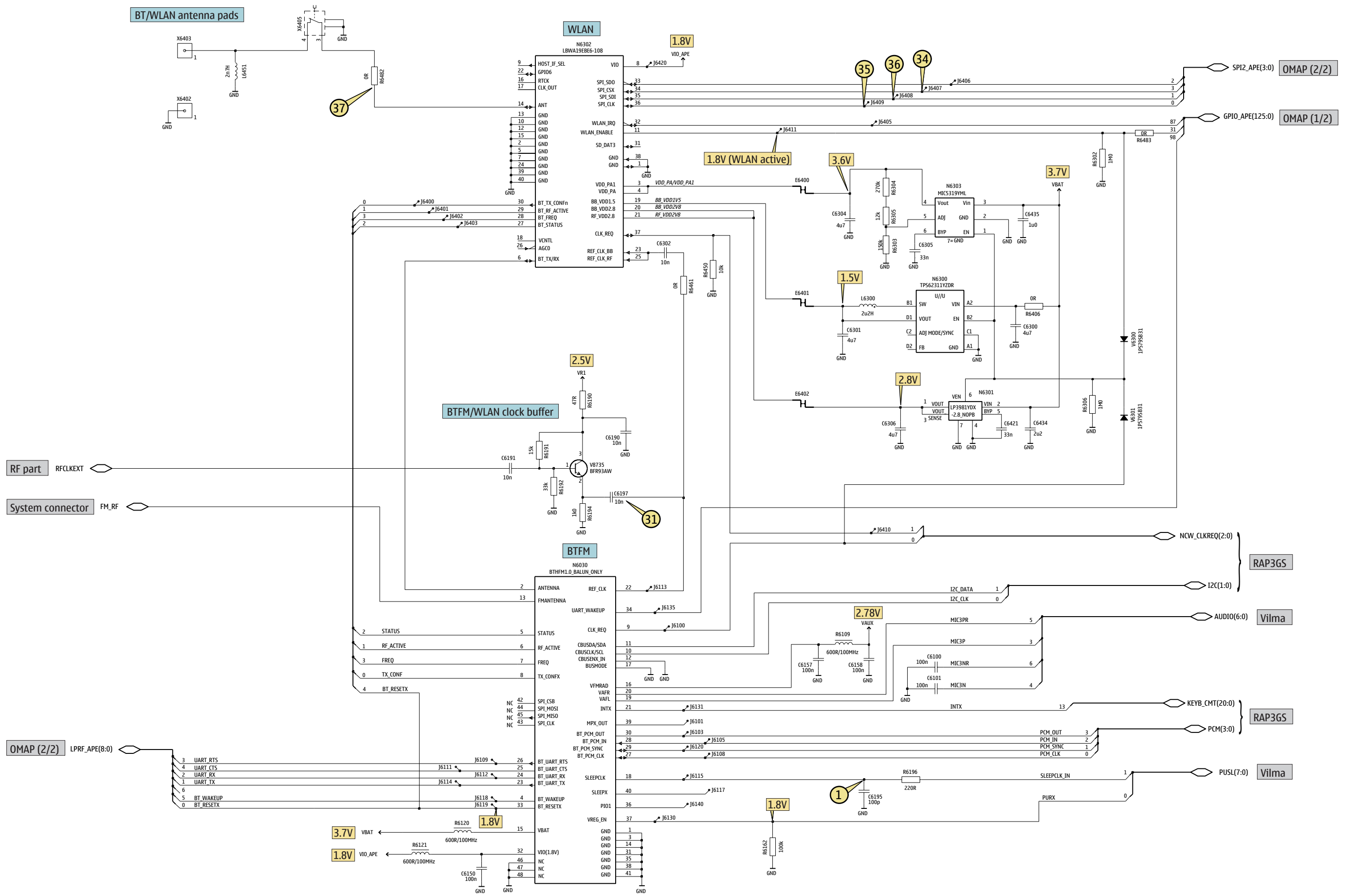
**IHF speaker**

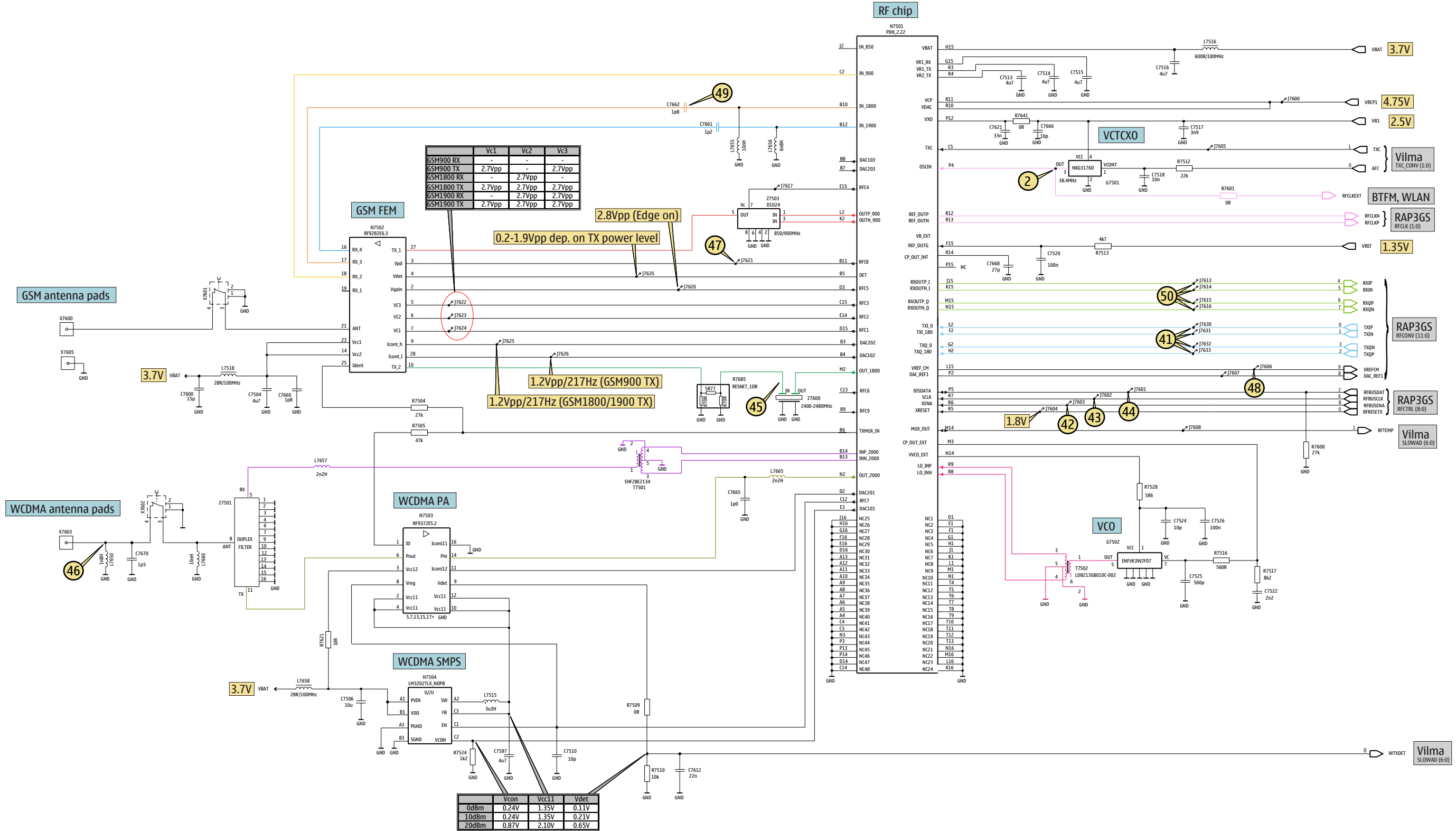
**Earpiece**

**Ambient light sensor**

**IrDA**

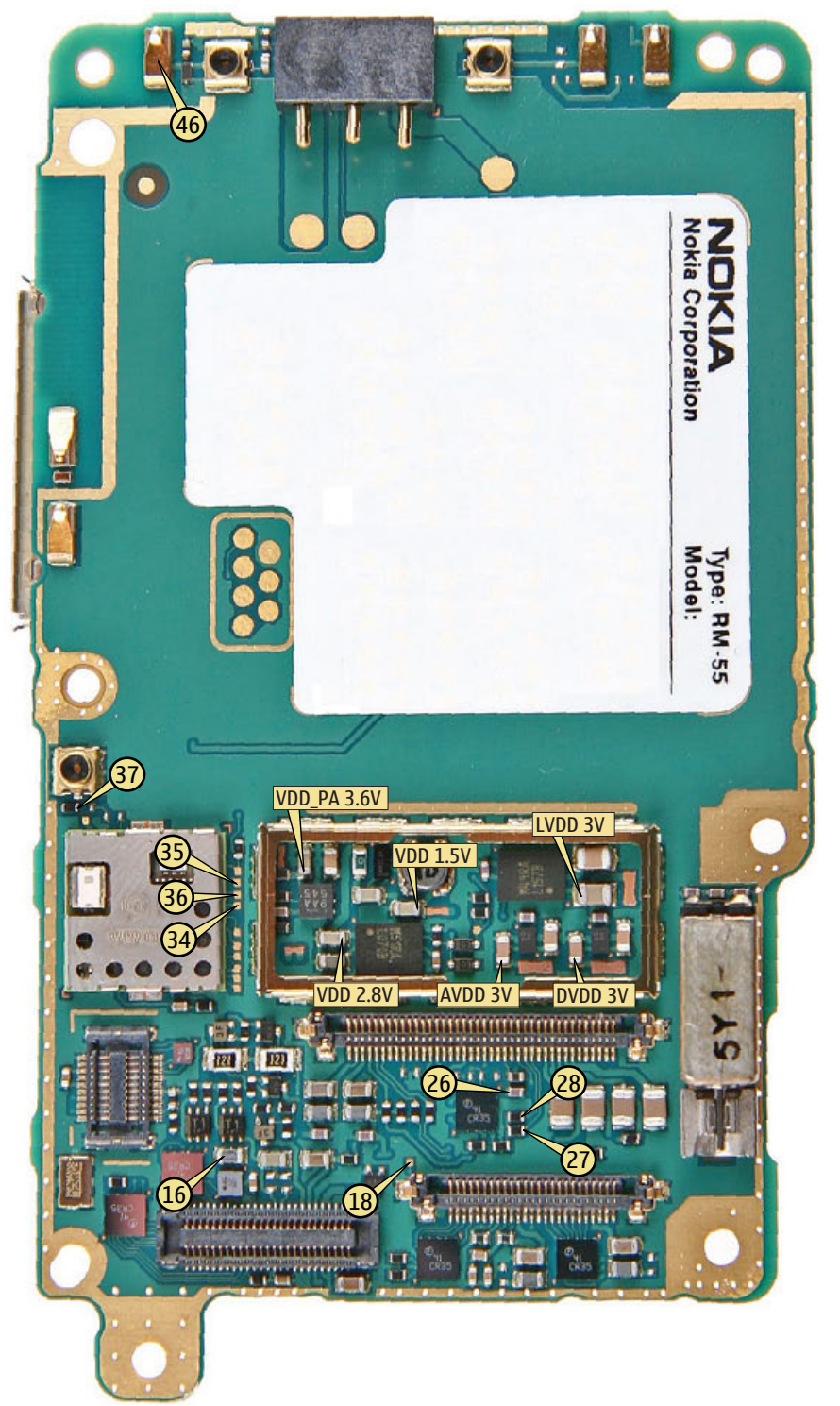
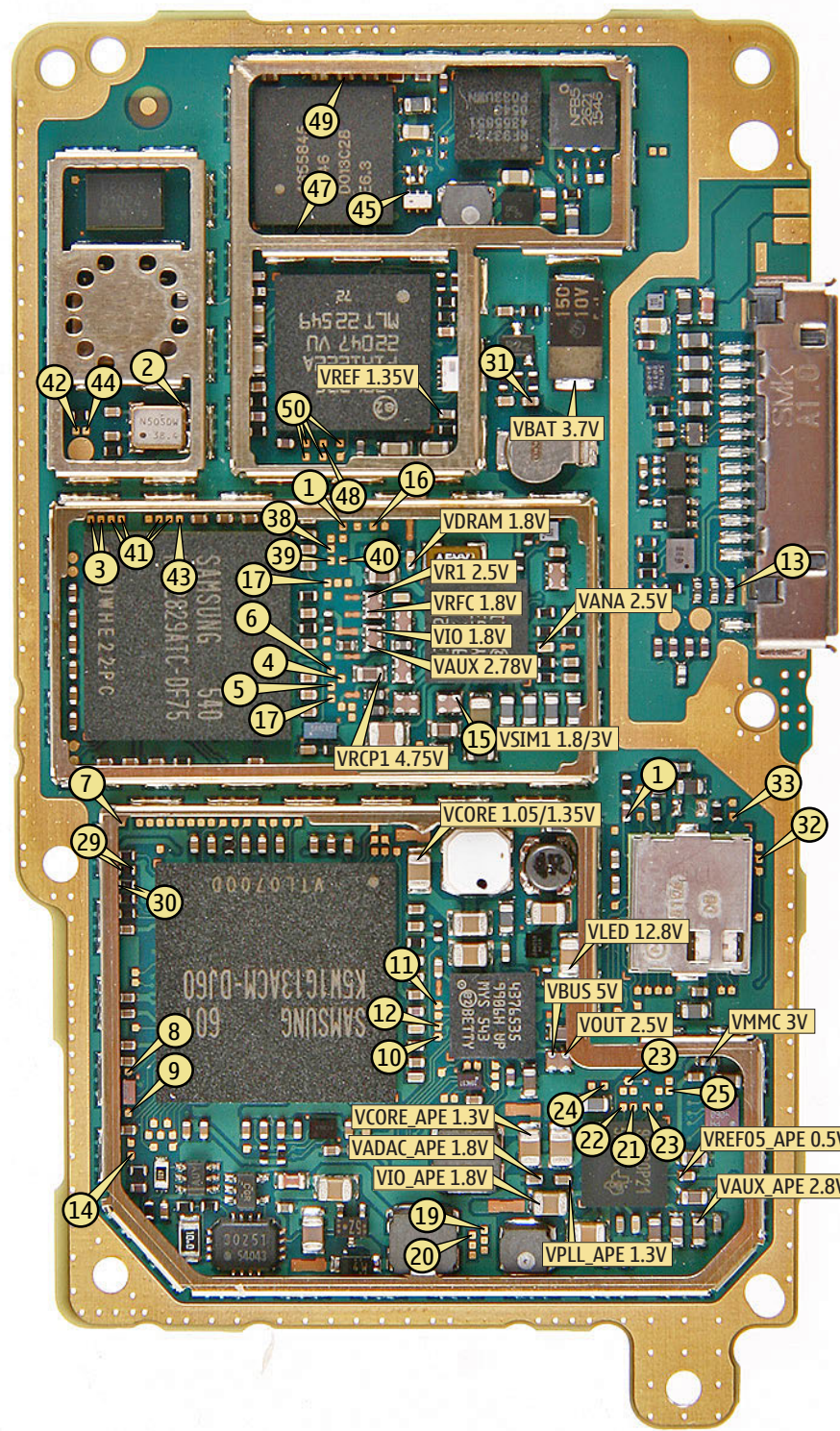
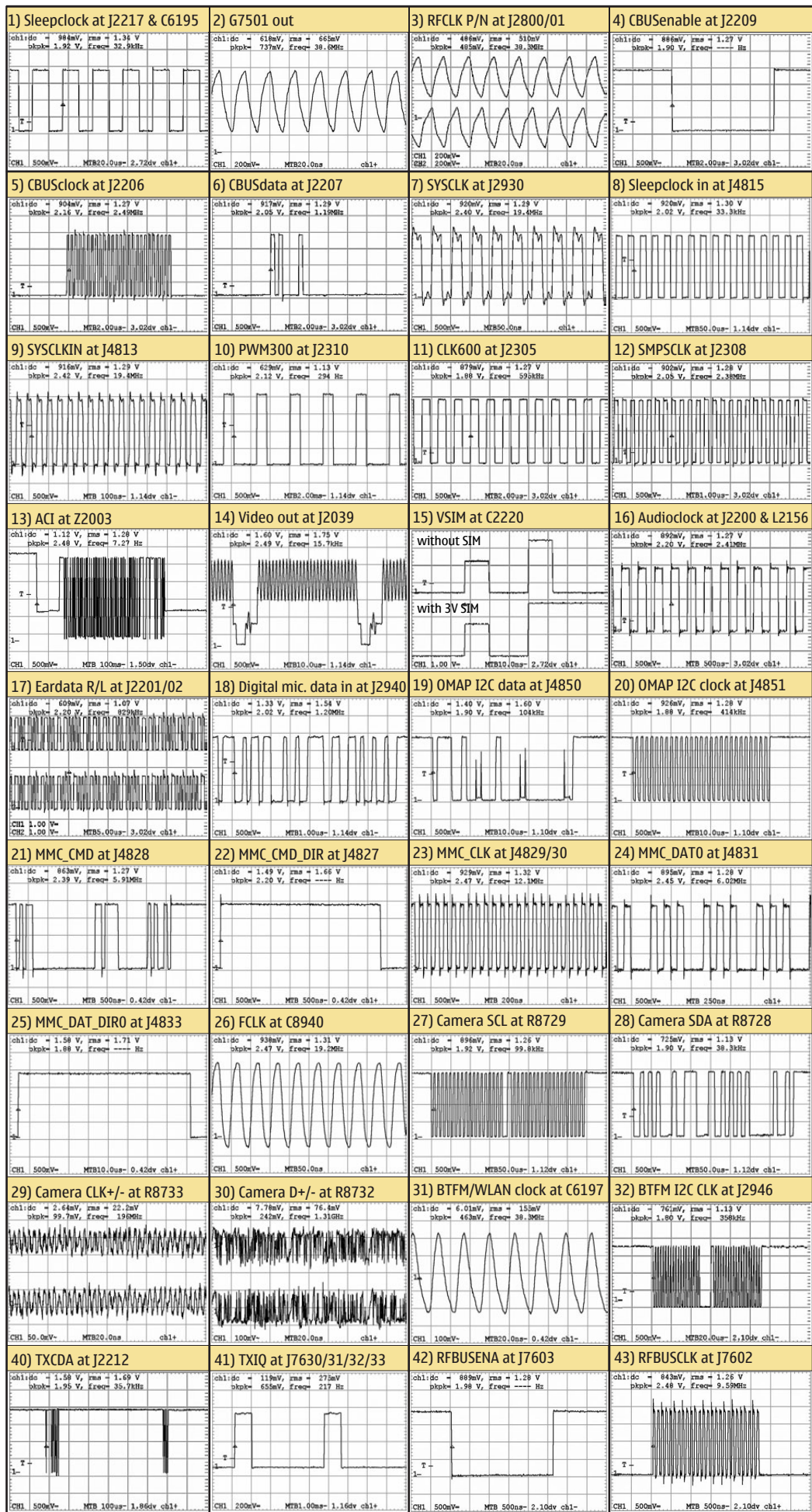






	Vcon	Vcc11	Vdet
0dBm	0.24V	1.35V	0.11V
10dBm	0.24V	1.35V	0.21V
20dBm	0.87V	2.10V	0.65V







B	C4819	I11	D8720	H15	J4834	C14	L2207	F10	R6191	E6	
B2200	F8	C4820	G15	D8740	H16	J4840	I11	L2301	E12	R6192	E6
C	C4821	H15	D9300	F14	J4850	F16	L2302	F12	R6194	E6	
C2000	D6	C4822	H15	F	J4851	F16	L2310	E11	R6196	D11	
C2002	C7	C4823	I13	F2000	C5	J4852	I15	L2311	E12	R6302	G12
C2003	C7	C4824	F13	F8720	H15	J4900	H11	L4200	D14	R6303	E13
C2012	D5	C4825	G15	G	J4901	H11	L4201	D16	R6304	E12	
C2033	C9	C4826	F14	G2200	E7	J4905	I15	L4203	F15	R6305	E12
C2034	C9	C4827	F13	G7501	I7	J4910	D14	L4205	E16	R6306	G13
C2035	C9	C4828	F14	G7502	J5	J4911	D14	L4850	G15	R6406	F12
C2036	D9	C4830	H15	J	J4912	C15	L5250	C14	R6450	D12	
C2041	I15	C4832	I14	J2037	C9	J4913	C14	L6300	F12	R6461	D14
C2042	I16	C4833	I13	J2038	C9	J4914	I13	L6451	B7	R6482	B11
C2043	D7	C4834	F12	J2039	I15	J5058	E7	L7515	F4	R6483	G13
C2070	D5	C4835	F14	J2060	D9	J5059	E7	L7516	G7	R7504	F5
C2151	I12	C4836	F14	J2085	F4	J5060	E7	L7518	F3	R7505	F5
C2152	I12	C4838	I15	J2086	E4	J6100	B12	L7650	D2	R7509	F5
C2153	I12	C4850	G15	J2087	G4	J6101	D11	L7655	G2	R7510	F5
C2155	G17	C5250	C14	J2200	G8	J6103	C13	L7656	G2	R7512	I7
C2156	G17	C5251	C14	J2201	G10	J6105	D13	L7657	D4	R7513	F7
C2157	G17	C6100	D12	J2202	G8	J6108	D13	L7658	E4	R7516	I5
C2158	D16	C6101	D12	J2203	G8	J6109	D13	L7660	D2	R7517	I5
C2165	H10	C6150	C13	J2204	G10	J6111	D13	L7665	H5	R7524	E4
C2201	G9	C6157	D11	J2205	G10	J6112	D12	L8710	H14	R7528	I5
C2202	E8	C6158	C11	J2206	G10	J6113	D12	L8720	F16	R7600	I6
C2205	E8	C6190	E5	J2207	G9	J6114	D13	L8902	E15	R7601	H7
C2211	G10	C6191	E6	J2208	G8	J6115	D11	L8903	I17	R7621	E4
C2213	G9	C6195	D11	J2209	G9	J6117	D11	L8904	F15	R7641	H6
C2215	G9	C6197	E6	J2210	G8	J6118	B12	L8910	H17	R7685	F4
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C2222	G9	C6304	E12	J2214	G9	J6131	D11	N2030	C7	R8723	I16
C2225	F10	C6305	E13	J2215	G9	J6135	C13	N2150	G10	R8724	E15
C2226	G8	C6306	E13	J2216	G8	J6140	B11	N2200	F9	R8726	E15
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C2300	E13	C7506	E4	J2221	G8	J6405	D13	N6300	C12	R8733	J12
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C2304	F13	C7515	F7	J2305	F13	J6409	D12	N6303	E12	R8800	C16
C2307	E14	C7516	G7	J2306	D3	J6410	D12	N7501	G6	R8902	G15
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C2361	E13	C7524	J5	J2801	J8	J7602	I8	N8702	H13	R8928	E9
C2800	H9	C7525	I5	J2803	E14	J7603	J7	N8703	I13	R8929	E9
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C2812	H8	C7670	D2	J2946	B12	J7621	H4	R2063	J15	V2381	D15
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C2820	J10	C8706	H12	J3115	I0	J7632	I8	R2155	G16	X2001	B7
C2821	J8	C8707	H13	J3116	J8	J7633	I8	R2165	G10	X2060	B16
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