

Service Schematics



RM-303 / RM-304

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 2007.20.9.28808 |
| 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 |

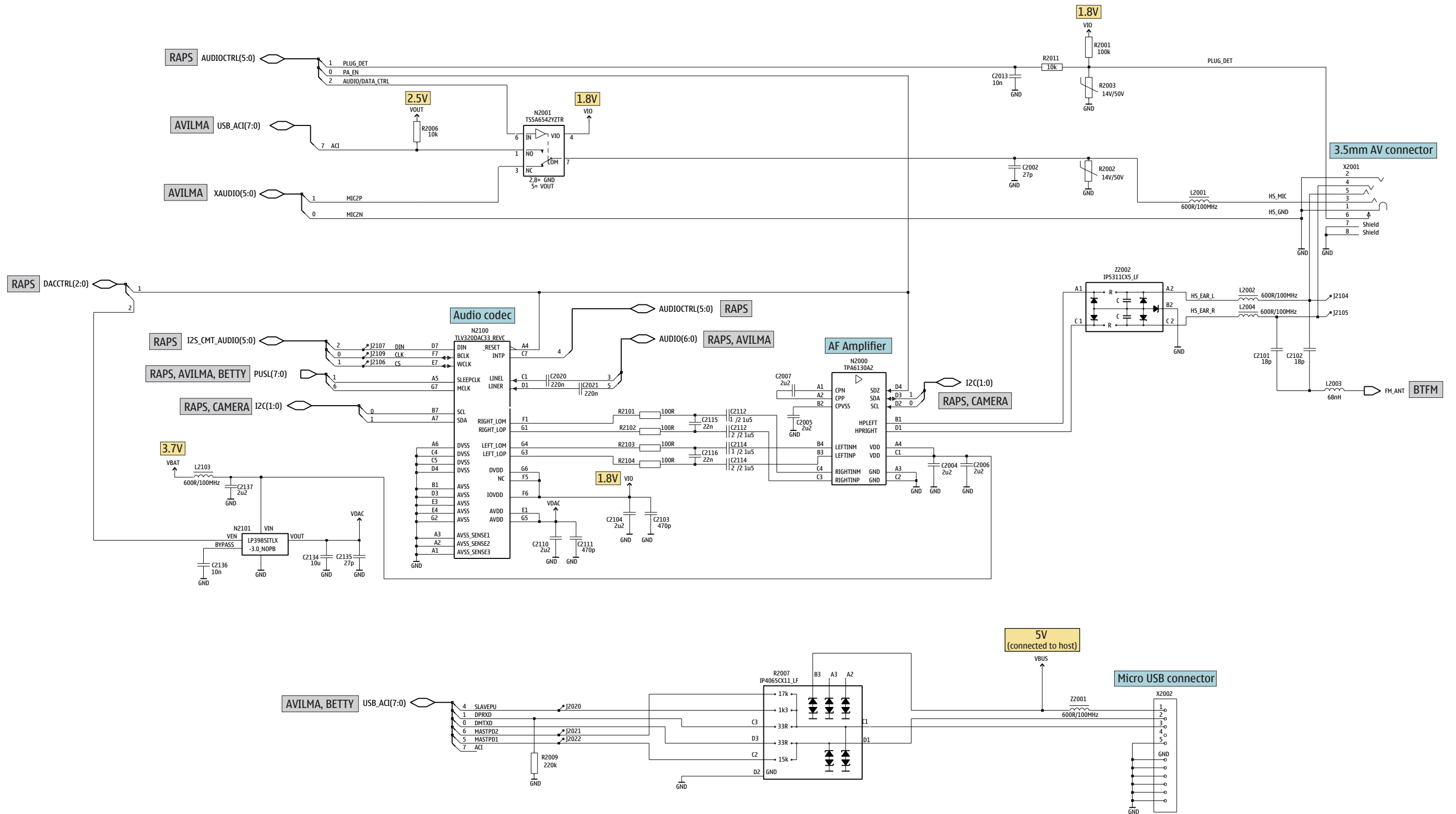
While every endeavour has been made to ensure the accuracy of this document, some errors may exist. If the reader finds any errors, NOKIA should be notified in writing.

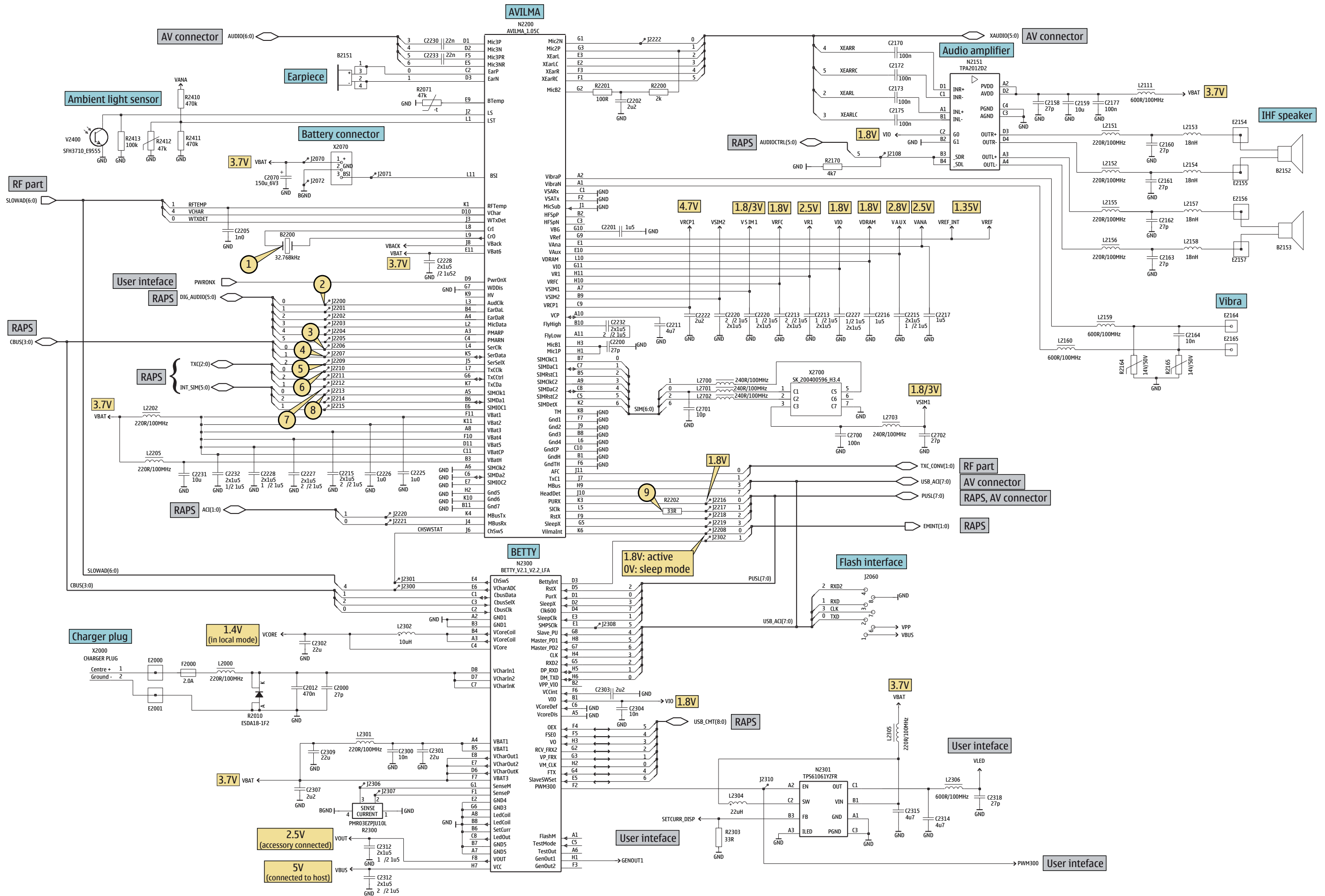
Please send E-Mail to: TrainingAndVendor.Development@nokia.com

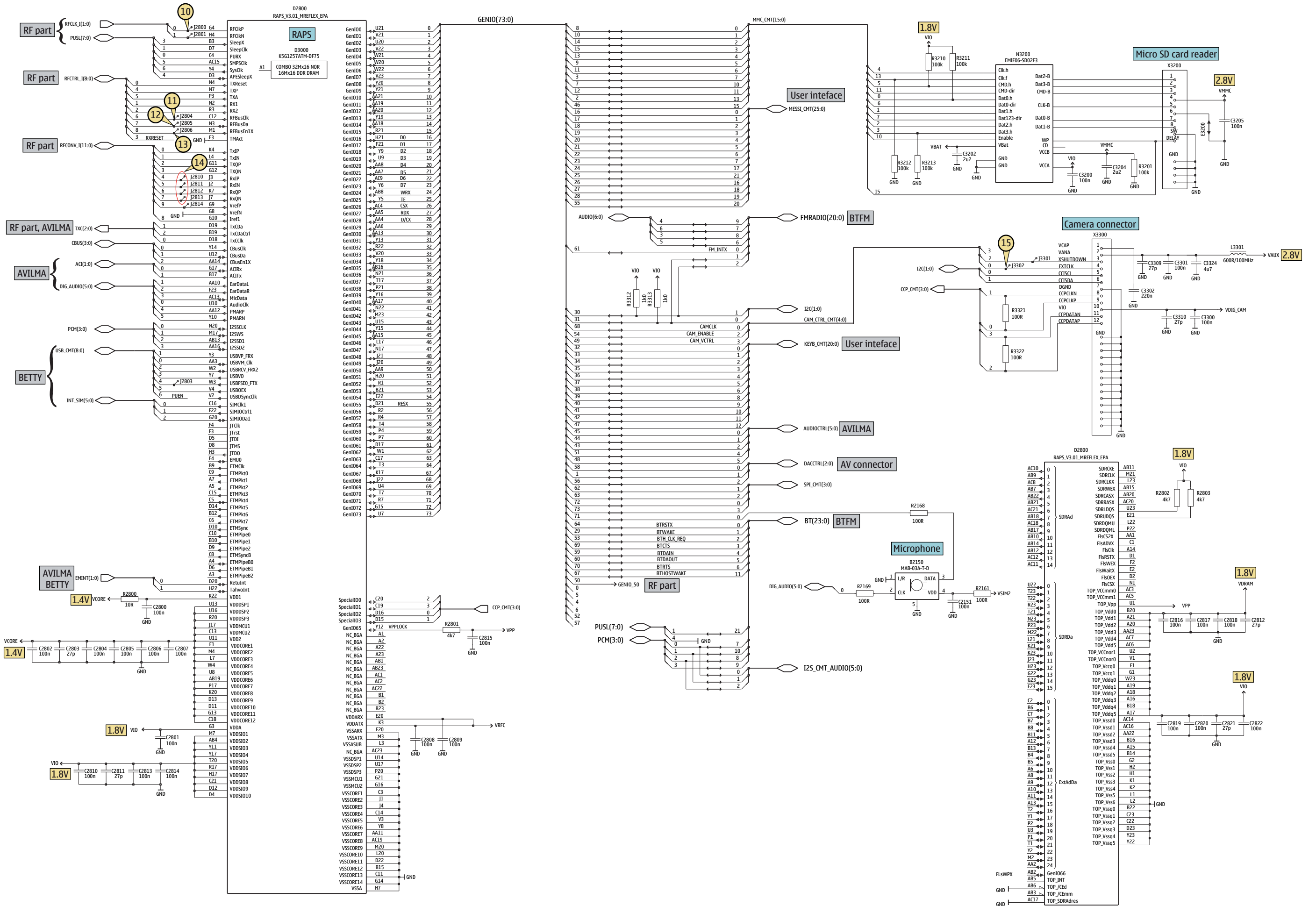
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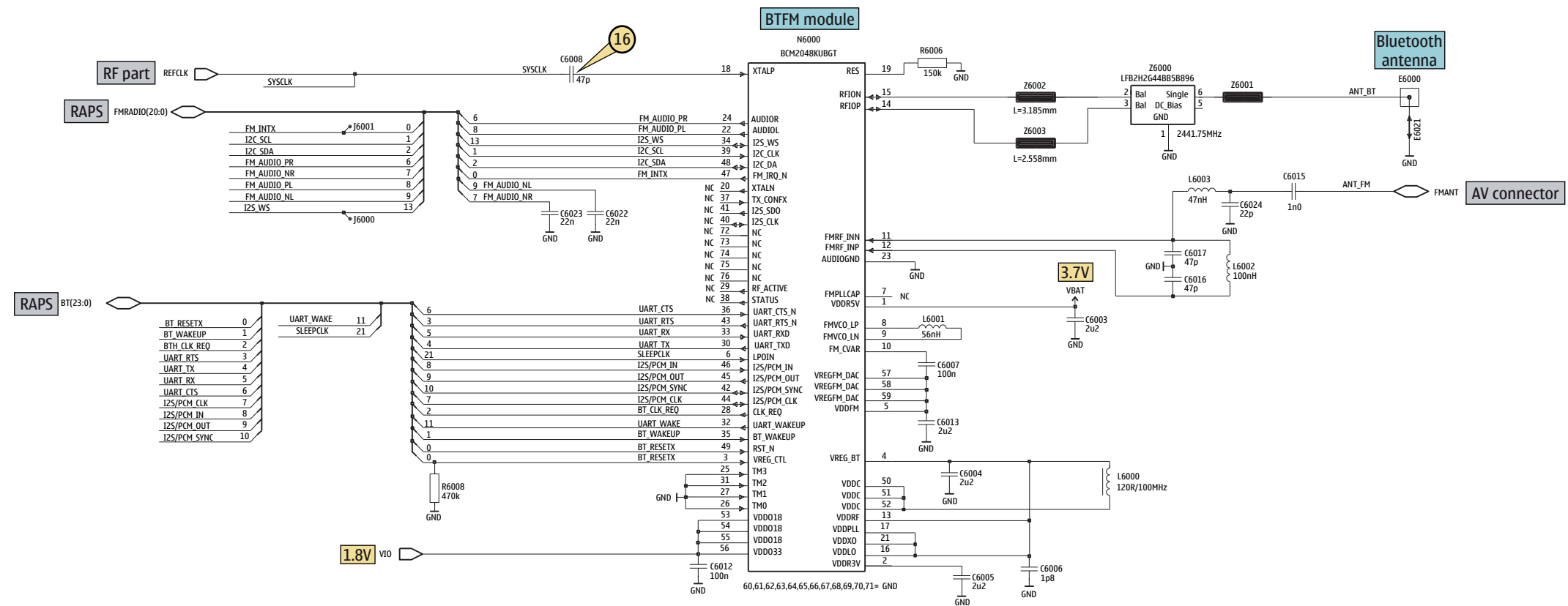


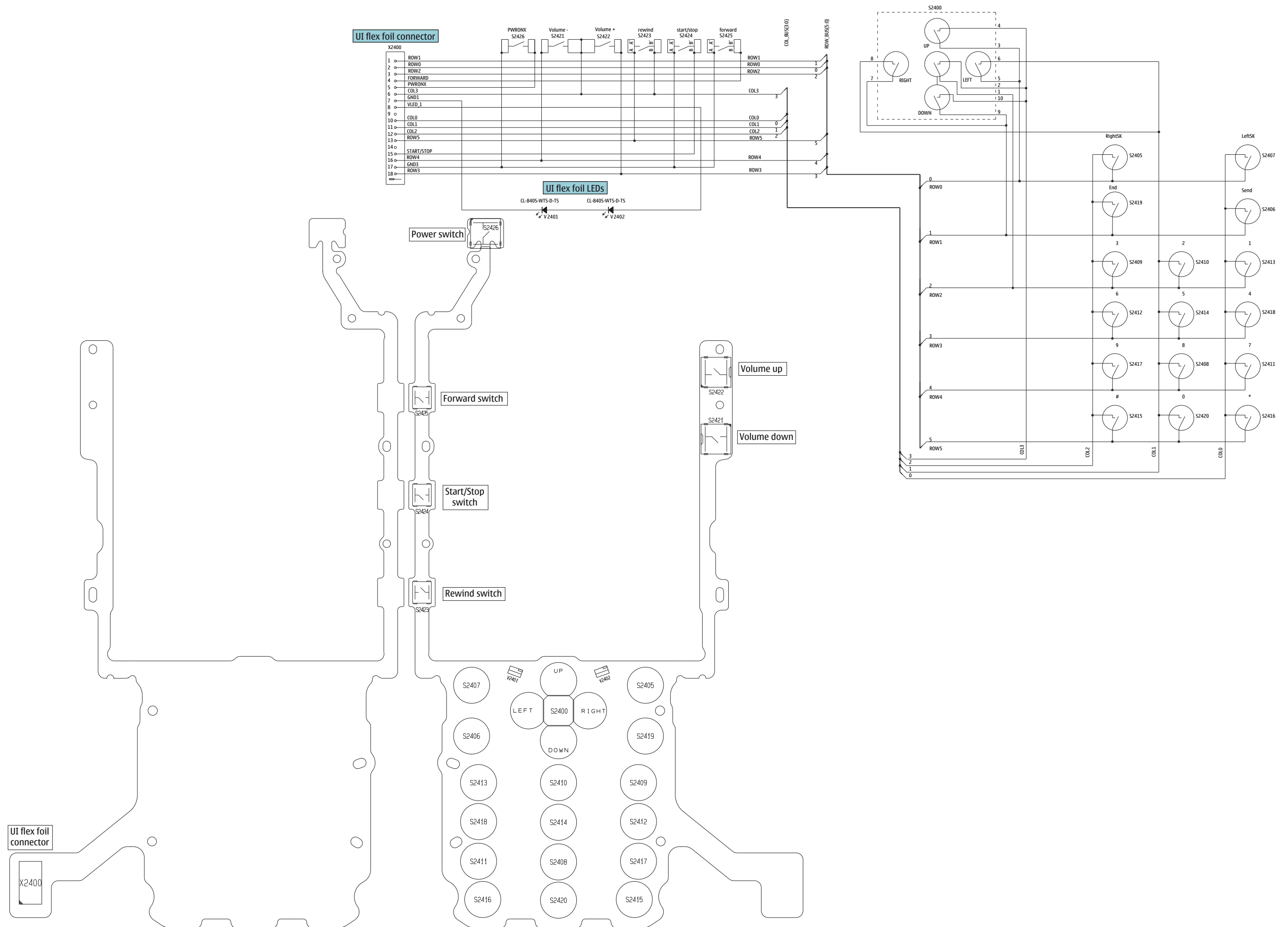
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B	C2309	F2	E2701	F5	R2170	D2
B2150	C2	C2312	F4	E2910	B7	R2200
B2151	T6	C2314	E3	E2911	C8	R2201
B2152	C5	C2315	E3	E6000	S9	R2202
B2153	D8	C2318	E2	F		R2250
B2200	H4	C2416	T3	F2000	S8	R2251
C	C2417	T4	L			R2300
C1001	E6	C2700	F6	L2000	R8	R2303
C1002	E6	C2701	E6	L2001	T4	R2401
C1003	E5	C2702	H2	L2002	S2	R2410
C2000	R6	C2800	I6	L2003	S2	R2411
C2001	S8	C2801	G7	L2004	S2	R2412
C2002	T4	C2802	I5	L2103	F8	R2413
C2004	F9	C2803	F5	L2111	C3	R2423
C2005	F8	C2804	F5	L2151	C4	R2424
C2006	F8	C2805	I6	L2152	C4	R2440
C2007	F8	C2806	F6	L2153	C5	R2441
C2012	R6	C2807	G7	L2154	C5	R2442
C2013	R5	C2808	F6	L2155	D5	R2451
C2014	R2	C2809	I7	L2156	D5	R2452
C2020	E5	C2810	H7	L2157	C7	R2453
C2021	E5	C2811	F5	L2158	C7	R2454
C2070	F9	C2812	I7	L2159	R7	R2455
C2101	S2	C2813	G7	L2160	R7	R2456
C2102	S2	C2814	G4	L2202	H2	R2457
C2103	F8	C2815	F6	L2205	I2	R2458
C2104	G8	C2816	I5	L2301	F2	R2459
C2110	G8	C2817	F5	L2302	G2	R2460
C2111	F8	C2818	I7	L2304	E4	R2461
C2112	G9	C2819	F5	L2305	F3	R2462
C2114	F9	C2820	F6	L2306	E3	R2800
C2115	G8	C2821	H7	L2700	E6	R2801
C2116	G9	C2822	I5	L2701	E6	R2802
C2134	F8	C2900	F8	L2702	E6	R2803
C2135	F8	C2908	B7	L2703	F6	R2911
C2136	F7	C2909	F4	L2900	F8	R2912
C2137	F8	C2910	C7	L2902	F4	R2913
C2151	D2	C2911	C7	L3301	H8	R3201
C2156	T7	C3115	H8	L6000	D3	R3210
C2157	T7	C3116	H8	L6001	C3	R3211
C2158	C2	C3200	E6	L6002	C3	R3212
C2159	C2	C3202	E6	L6003	C3	R3213
C2160	C4	C3204	E6	L6020	T9	R3305
C2161	C4	C3205	E5	N		R3312
C2162	C7	C3300	S6	N1001	D8	R3313
C2163	D7	C3301	R6	N1002	D6	R3321
C2164	R7	C3302	R5	N2000	F8	R3322
C2170	D3	C3309	R5	N2001	R2	R6006
C2171	D3	C3310	S6	N2100	G8	R6008
C2172	D2	C3324	H8	N2101	F8	V
C2173	D2	C6003	D3	N2151	D3	V2400
C2174	D2	C6004	D3	N2200	H3	V2440
C2175	D2	C6005	D3	N2300	F3	V2441
C2177	C2	C6006	C4	N2301	E3	X
C2200	I4	C6007	D3	N2401	E2	X1001
C2201	G4	C6008	D4	N3200	F6	X1002
C2202	I4	C6011	D3	N3301	H8	X2000
C2205	F7	C6012	D4	N6000	D4	X2001
C2211	G2	C6013	D4	R		X2002
C2213	G4	C6015	C3	R2001	R3	X2060
C2215	G3	C6016	C3	R2002	T4	X2070
C2216	G4	C6017	C3	R2003	R4	X2700
C2217	I3	C6020	T8	R2004	R3	X2900
C2220	H2	C6021	T9	R2005	F9	X3200
C2222	H2	C6022	D4	R2006	S2	X3300
C2223	F4	C6023	D4	R2007	T4	Z
C2225	H2	C6024	C3	R2009	U4	Z2001
C2226	G4	D		R2010	R6	Z2002
C2227	G3	D2800	G6	R2011	R4	Z2401
C2228	G2	D3000	G6	R2020	H8	Z2402
C2230	E5	E		R2071	R2	Z2900
C2231	I2	E2000	S9	R2101	G8	Z2901
C2232	H2	E2001	R9	R2102	G8	Z6000
C2233	E5	E2154	C5	R2103	G8	
C2300	F2	E2155	B5	R2104	G9	
C2301	F3	E2156	D9	R2161	D2	
C2302	G3	E2157	E7	R2164	R7	
C2303	F4	E2164	R8	R2165	R7	
C2304	G3	E2165	R7	R2168	D2	
C2307	F4	E2700	D6	R2169	D2	

