



Radxa E52C

Schematic

V1.2

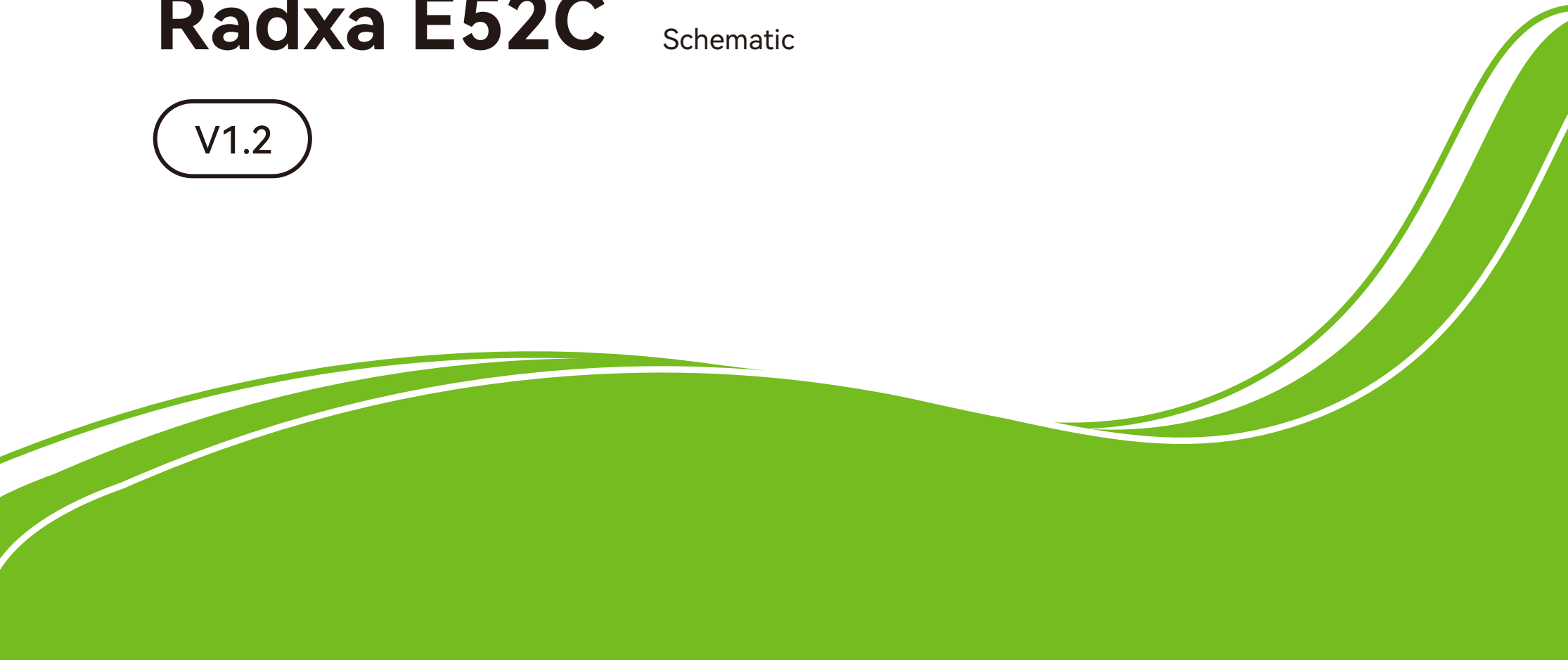


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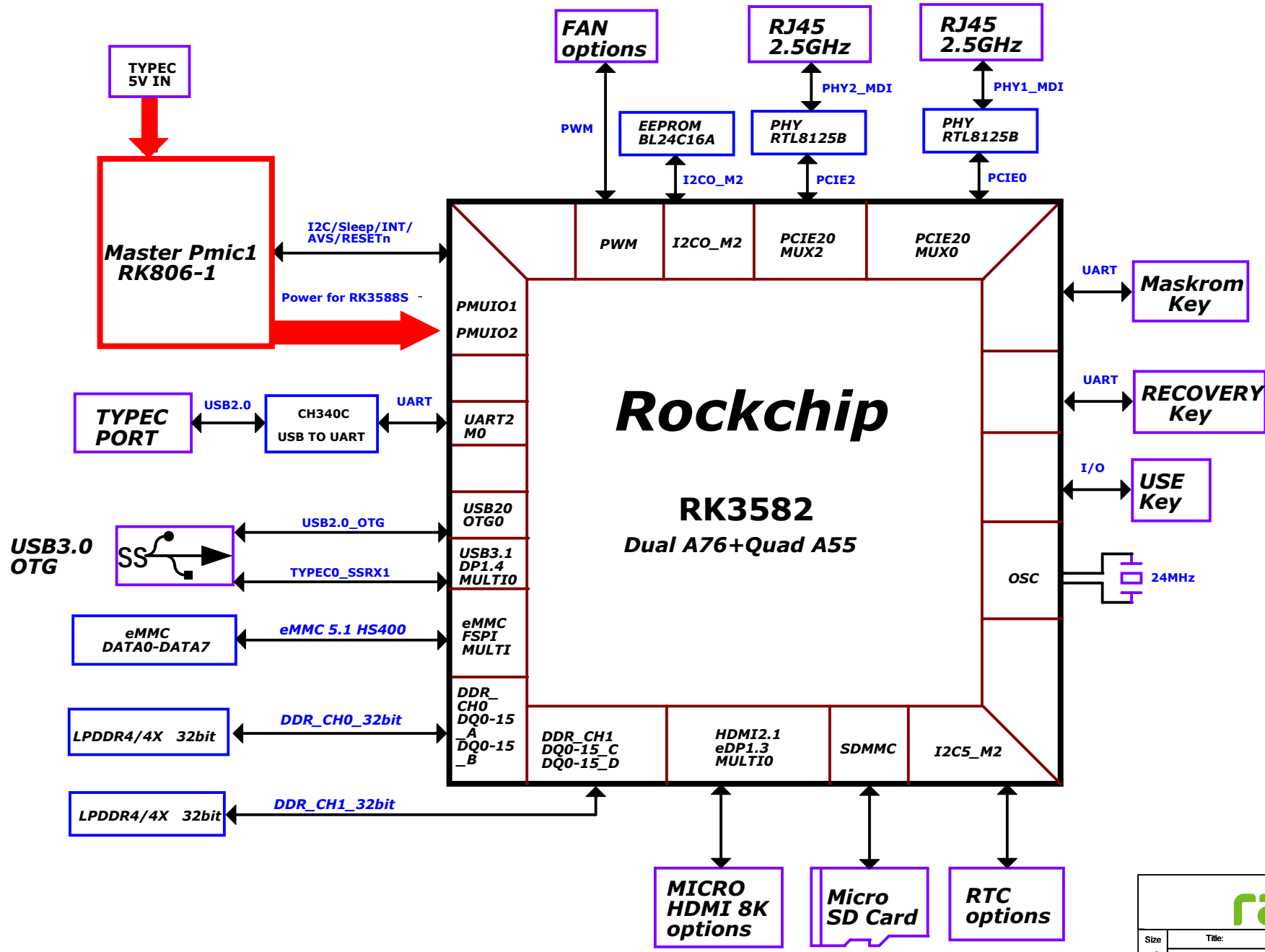
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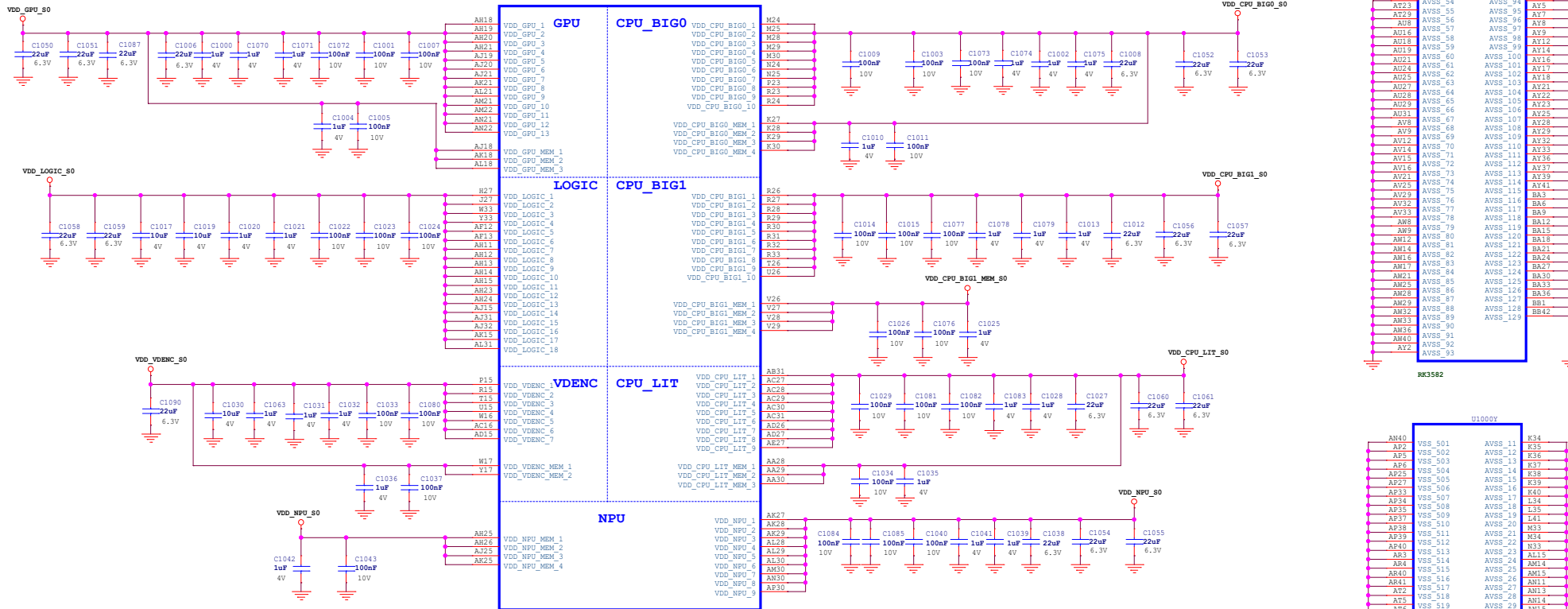
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E25C Block Diagram

Mean to Interface
 Mean to IC



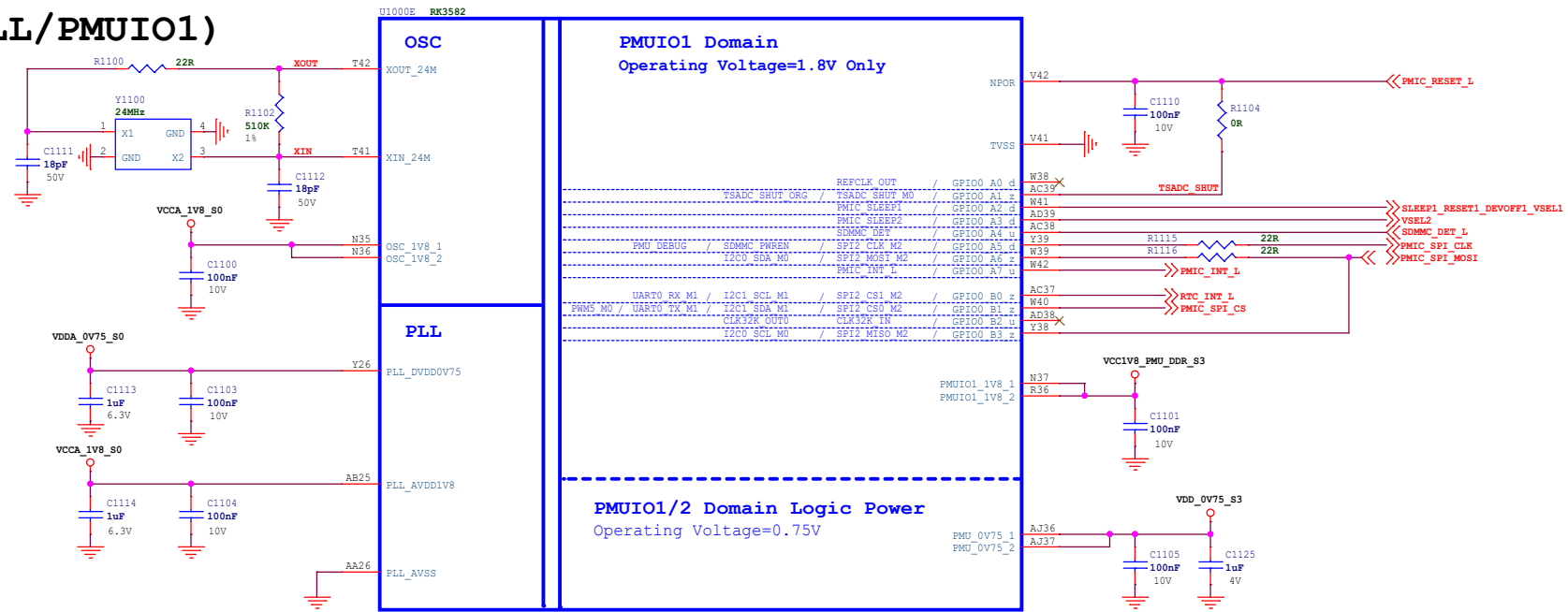
RK3582 (Power&Gnd)



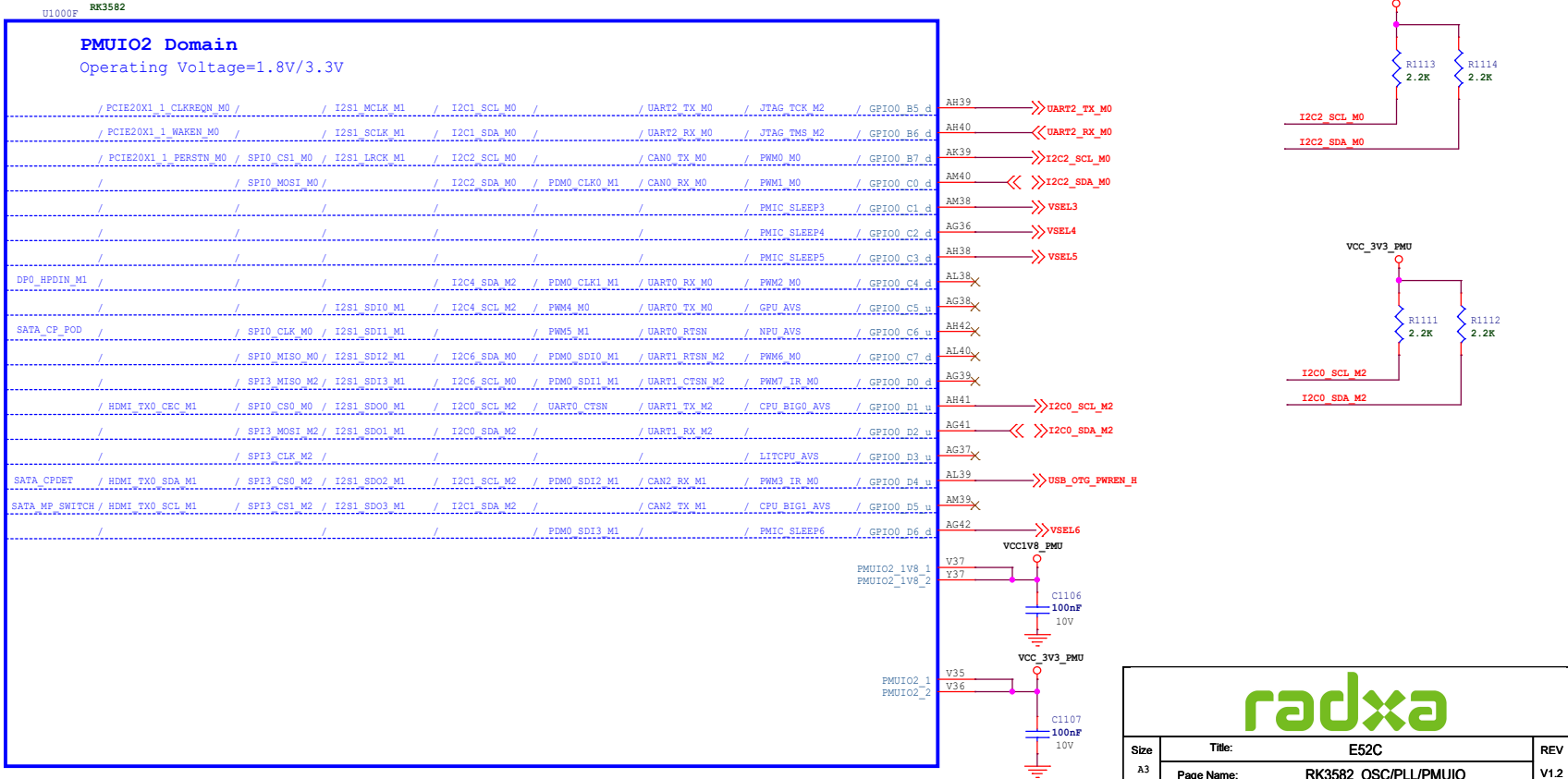
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A3 VSS 3	G20 VSS 103	P26 VSS 203	A113 VSS 303	AF38 VSS 403
B5 VSS 4	D31 VSS 104	P27 VSS 204	A119 VSS 304	AF39 VSS 404
B8 VSS 5	G22 VSS 105	P28 VSS 205	A122 VSS 305	AF40 VSS 405
B10 VSS 6	B3 VSS 106	P29 VSS 206	A123 VSS 306	AF41 VSS 406
B11 VSS 7	G25 VSS 107	P30 VSS 207	A127 VSS 307	AG1 VSS 407
B14 VSS 8	G26 VSS 108	P31 VSS 208	A128 VSS 308	AG4 VSS 408
B17 VSS 9	H3 VSS 109	P32 VSS 209	A138 VSS 309	AG5 VSS 409
B19 VSS 10	H4 VSS 110	P33 VSS 210	AA00 VSS 310	AG6 VSS 410
B21 VSS 11	H5 VSS 111	P34 VSS 211	AA01 VSS 311	AG7 VSS 411
B22 VSS 12	H6 VSS 112	R3 VSS 212	AB2 VSS 312	AG8 VSS 412
B23 VSS 13	H16 VSS 113	R4 VSS 213	AB6 VSS 313	AG10 VSS 413
B27 VSS 14	H11 VSS 114	R8 VSS 214	AB7 VSS 314	AG11 VSS 414
B29 VSS 15	H22 VSS 115	R16 VSS 215	AB8 VSS 315	AG12 VSS 415
B31 VSS 16	H18 VSS 116	R20 VSS 216	AB9 VSS 316	AG13 VSS 416
B32 VSS 17	H25 VSS 117	R25 VSS 217	AB10 VSS 317	AG14 VSS 417
B35 VSS 18	H22 VSS 118	R25 VSS 218	AB11 VSS 318	AG15 VSS 418
B38 VSS 19	H25 VSS 119	R25 VSS 219	AB12 VSS 319	AG16 VSS 419
B40 VSS 20	H29 VSS 120	R25 VSS 220	AB19 VSS 320	AG20 VSS 420
B42 VSS 21	J7 VSS 121	R35 VSS 221	AB20 VSS 321	AG21 VSS 421
B43 VSS 22	J9 VSS 122	R35 VSS 222	AB21 VSS 322	AG22 VSS 422
B44 VSS 23	J10 VSS 123	R35 VSS 223	AB22 VSS 323	AG23 VSS 423
B46 VSS 24	J12 VSS 124	R35 VSS 224	AB33 VSS 324	AG24 VSS 424
B47 VSS 25	J14 VSS 125	R35 VSS 225	AB34 VSS 325	AG25 VSS 425
B49 VSS 26	J15 VSS 126	R35 VSS 226	AB36 VSS 326	AG31 VSS 426
B51 VSS 27	J22 VSS 127	R35 VSS 227	AB37 VSS 327	AG32 VSS 427
B52 VSS 28	J26 VSS 128	R35 VSS 228	AB38 VSS 328	AG33 VSS 428
B53 VSS 29	J26 VSS 129	R35 VSS 229	AB39 VSS 329	AG34 VSS 429
B54 VSS 30	J26 VSS 130	R35 VSS 230	AB40 VSS 330	AG35 VSS 430
C1 VSS 31	J30 VSS 131	R35 VSS 231	AC1 VSS 331	AG40 VSS 431
C19 VSS 32	J31 VSS 132	R35 VSS 232	AC2 VSS 332	AH1 VSS 432
C20 VSS 33	K3 VSS 133	R35 VSS 233	AC3 VSS 333	AH2 VSS 433
C22 VSS 34	K6 VSS 134	R35 VSS 234	AC5 VSS 334	AFR VSS 434
C24 VSS 35	F16 VSS 135	R35 VSS 235	AC7 VSS 335	AH7 VSS 435
C26 VSS 36	K7 VSS 136	R35 VSS 236	AC18 VSS 336	AH8 VSS 436
C28 VSS 37	R10 VSS 137	R35 VSS 237	AC22 VSS 337	AH9 VSS 437
C30 VSS 38	F23 VSS 138	R35 VSS 238	AC23 VSS 338	AH10 VSS 438
C35 VSS 39	K14 VSS 139	R35 VSS 239	AC24 VSS 339	AF17 VSS 439
C37 VSS 40	K17 VSS 140	R35 VSS 240	AC25 VSS 340	AF18 VSS 440
C39 VSS 41	K22 VSS 141	R35 VSS 241	AC26 VSS 341	AF21 VSS 441
D3 VSS 42	F34 VSS 142	R35 VSS 242	AC27 VSS 342	AF22 VSS 442
D4 VSS 43	K23 VSS 143	R35 VSS 243	AD1 VSS 343	AR36 VSS 443
D7 VSS 44	K25 VSS 144	R35 VSS 244	AD2 VSS 344	AR37 VSS 444
D11 VSS 45	K26 VSS 145	R35 VSS 245	AD3 VSS 345	AJ1 VSS 445
D14 VSS 46	K31 VSS 146	R35 VSS 246	AD4 VSS 346	AJ2 VSS 446
D17 VSS 47	F38 VSS 147	R35 VSS 247	AD5 VSS 347	AJ3 VSS 447
D18 VSS 48	K33 VSS 148	R35 VSS 248	AD6 VSS 348	AJ7 VSS 448
D19 VSS 49	G6 VSS 149	R35 VSS 249	AD8 VSS 348	AJ10 VSS 448
D19 VSS 50	G8 VSS 150	R35 VSS 250	AD9 VSS 349	AJ11 VSS 449
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RK3582 (OSC/PLL/PMUIO1)



RK3582 (PMUIO2)



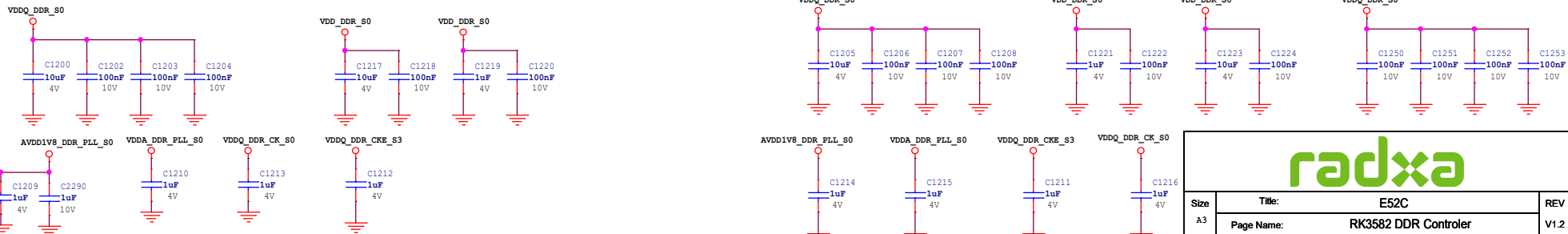
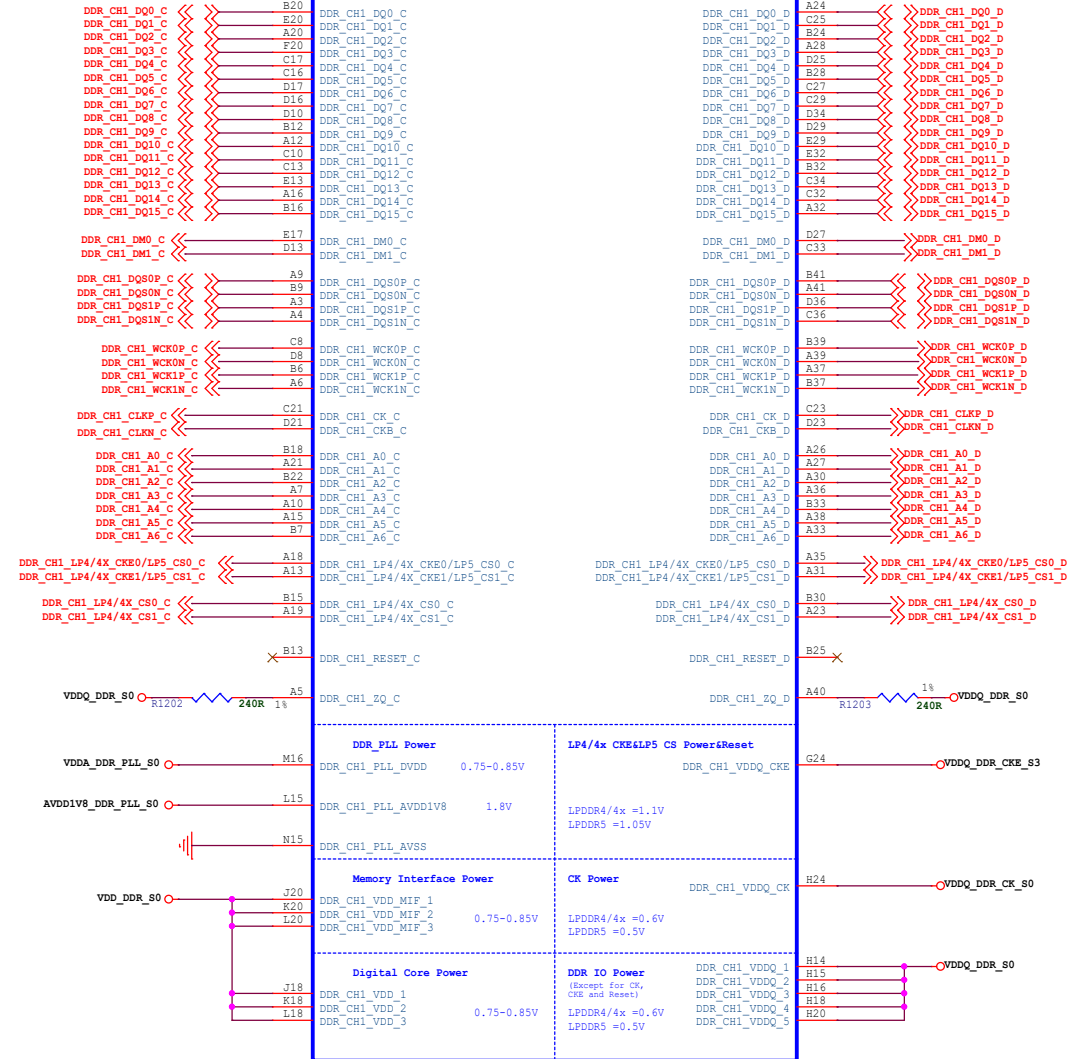
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RK3582 (DDR PHY)

U1000A RK3582

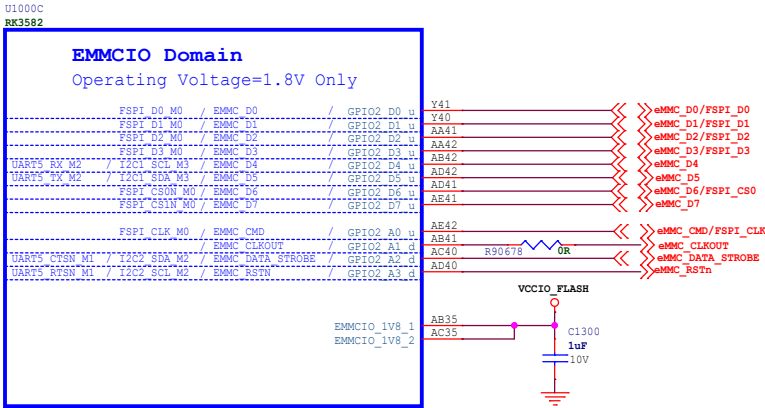


U1000B RK3582

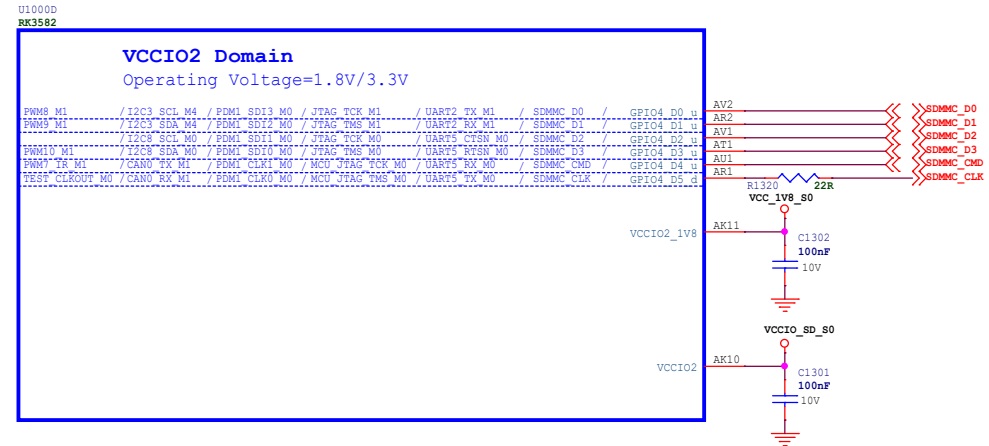


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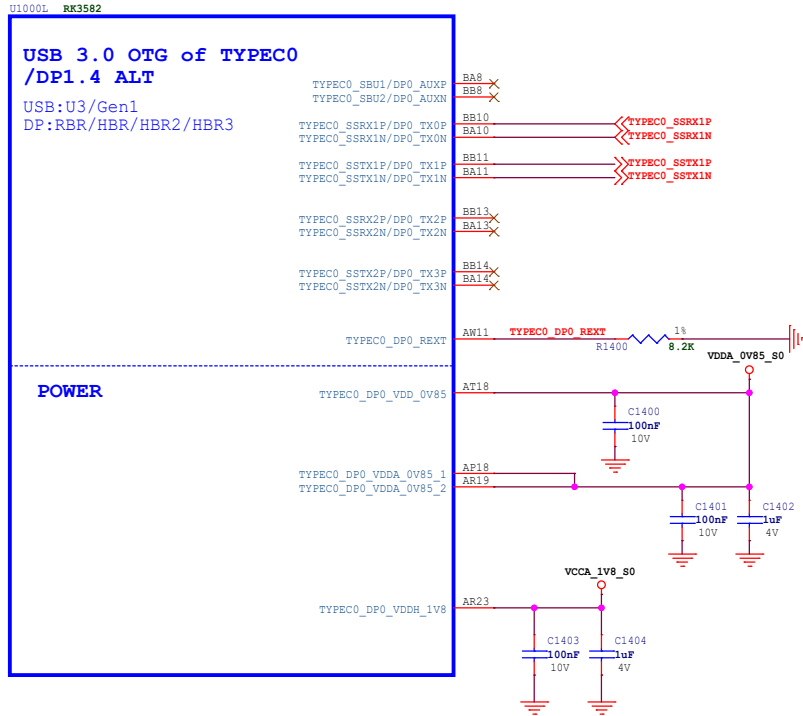
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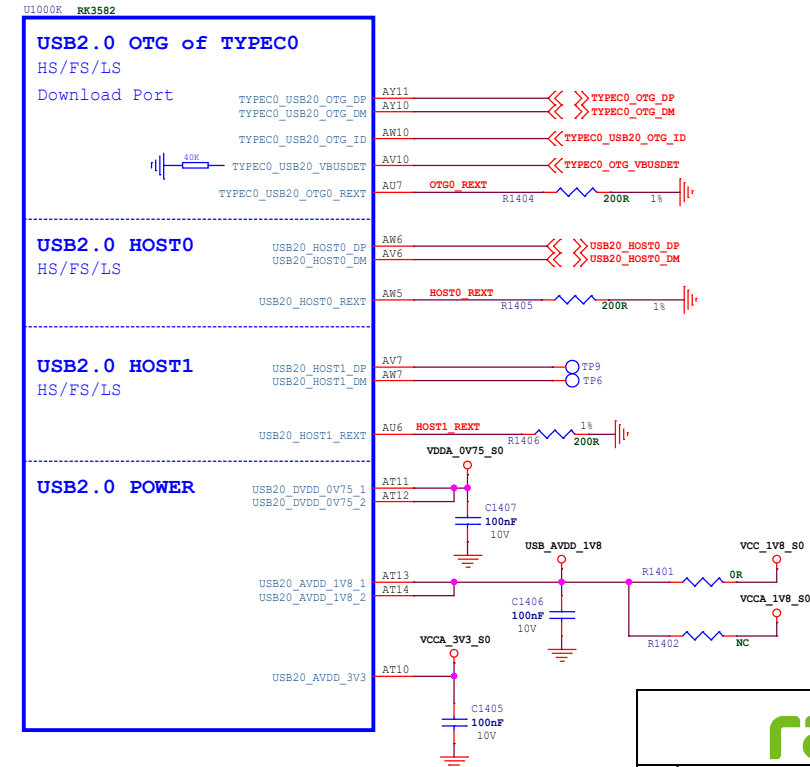
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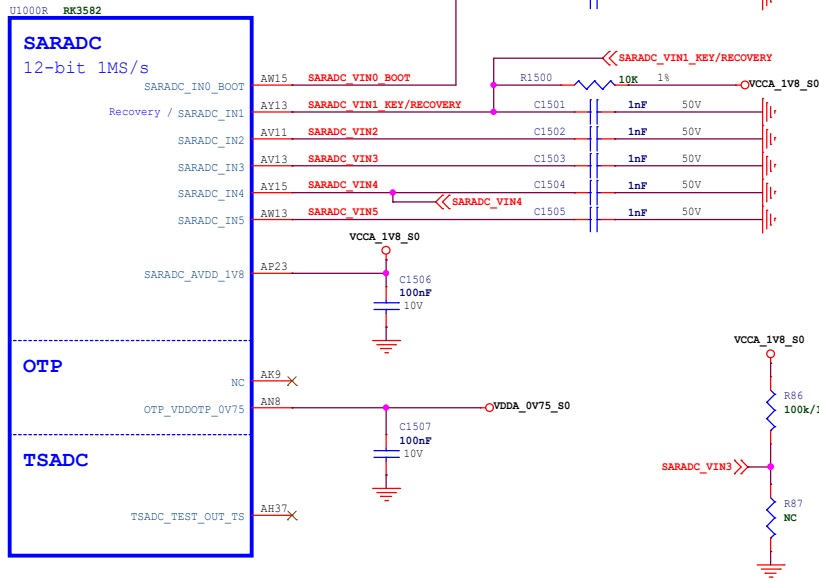
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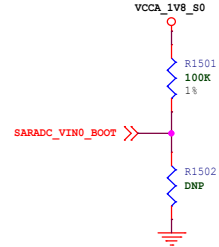
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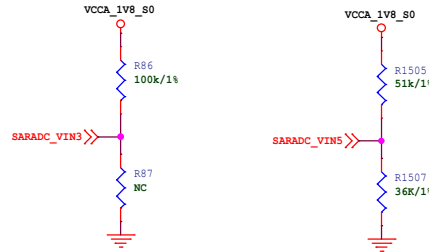
RK3582 (SARADC/OTP/TSADC)



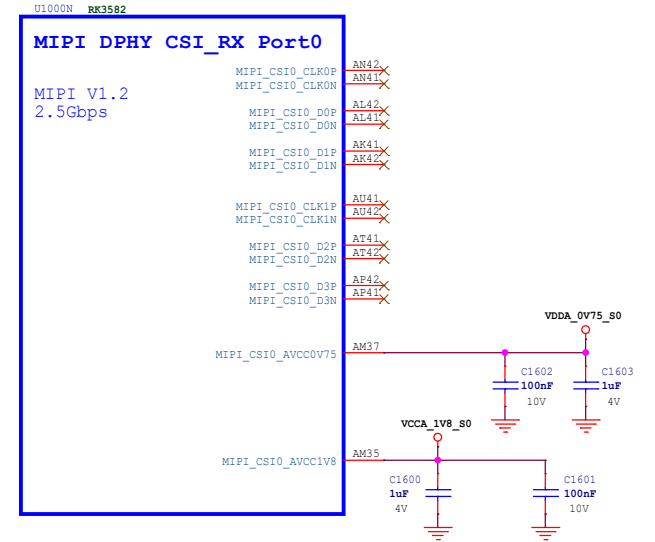
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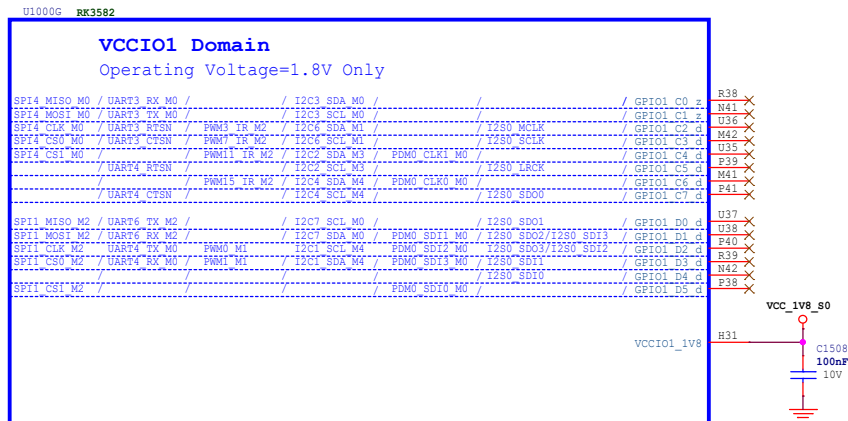
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RK3582 (MIPI_DPHY CSI0 RX)

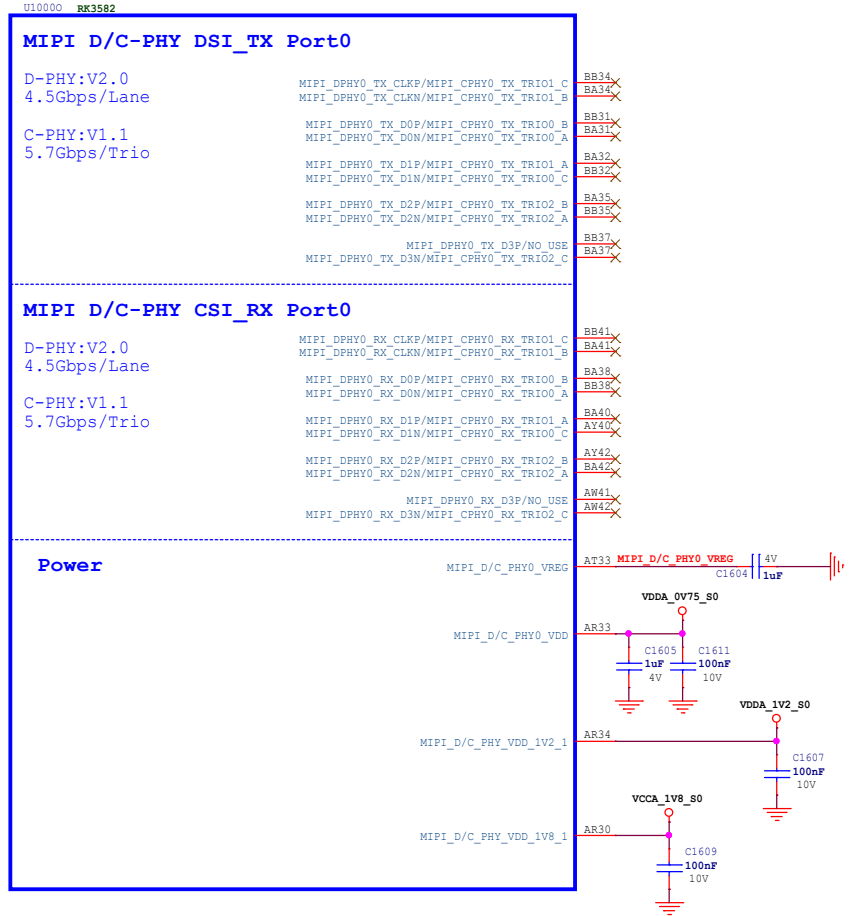
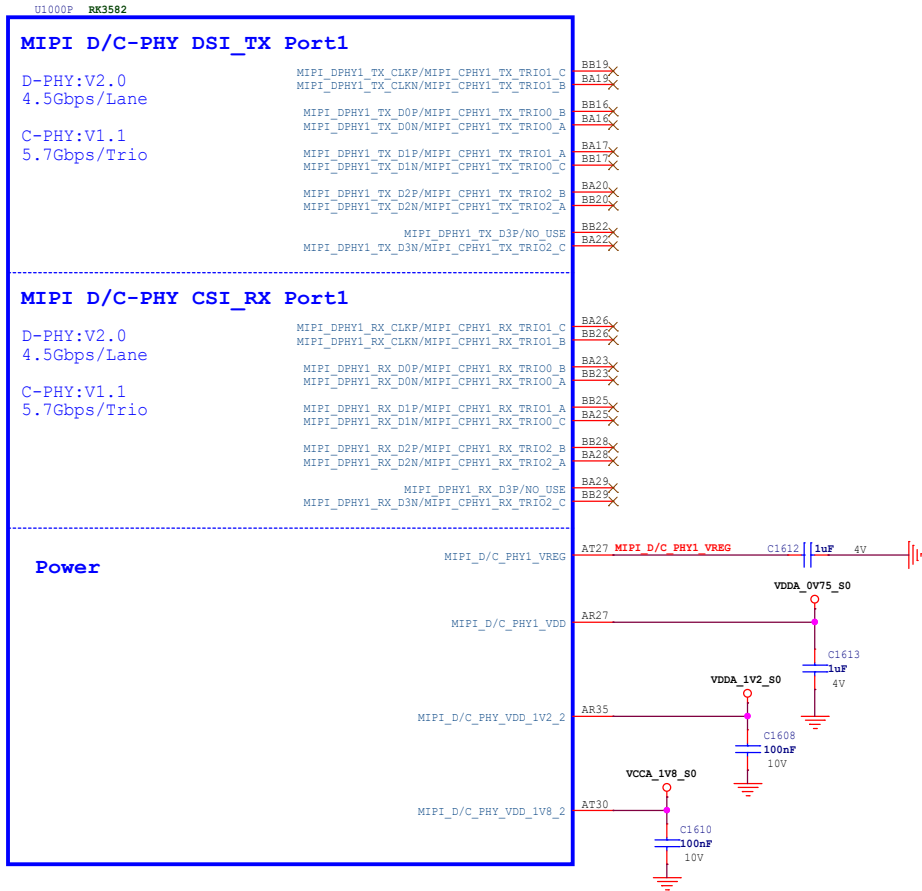


RK3582 (VCCIO1 Domain)



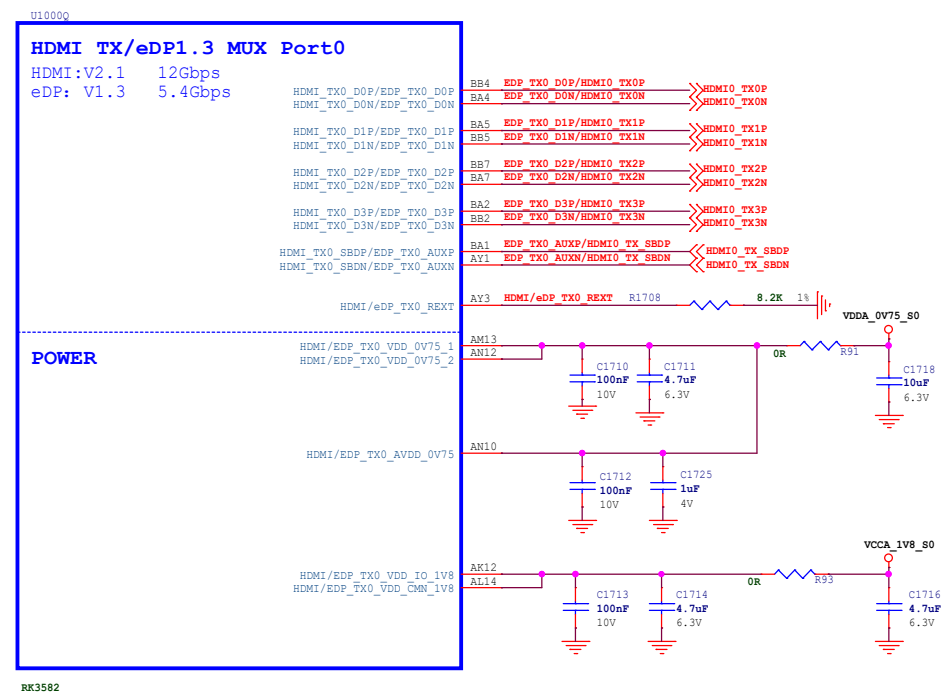
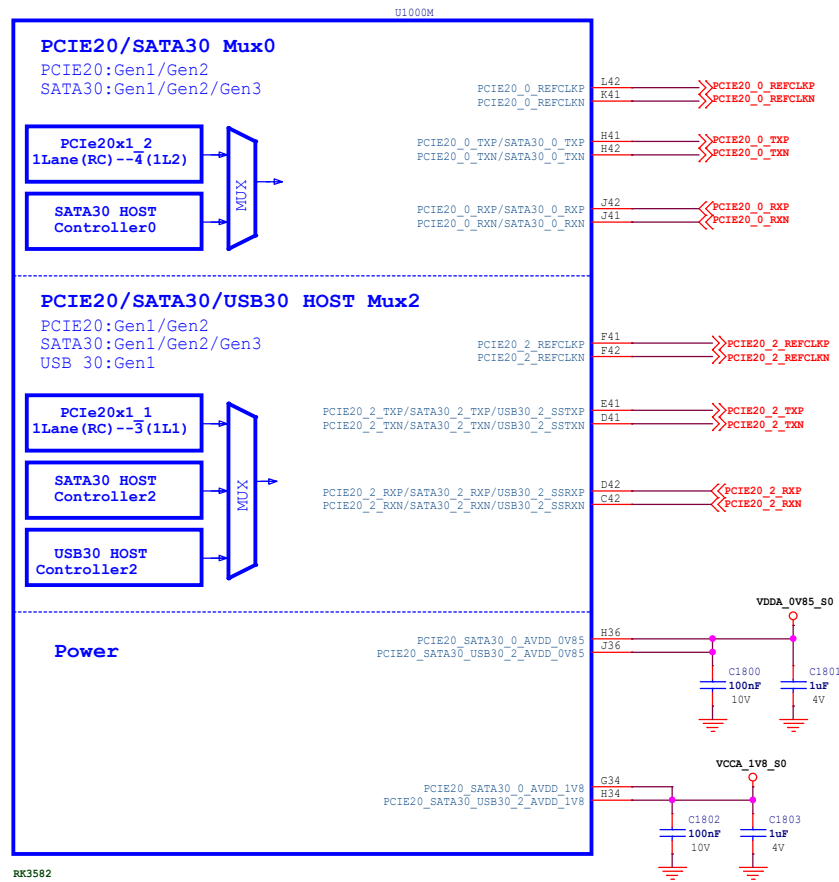
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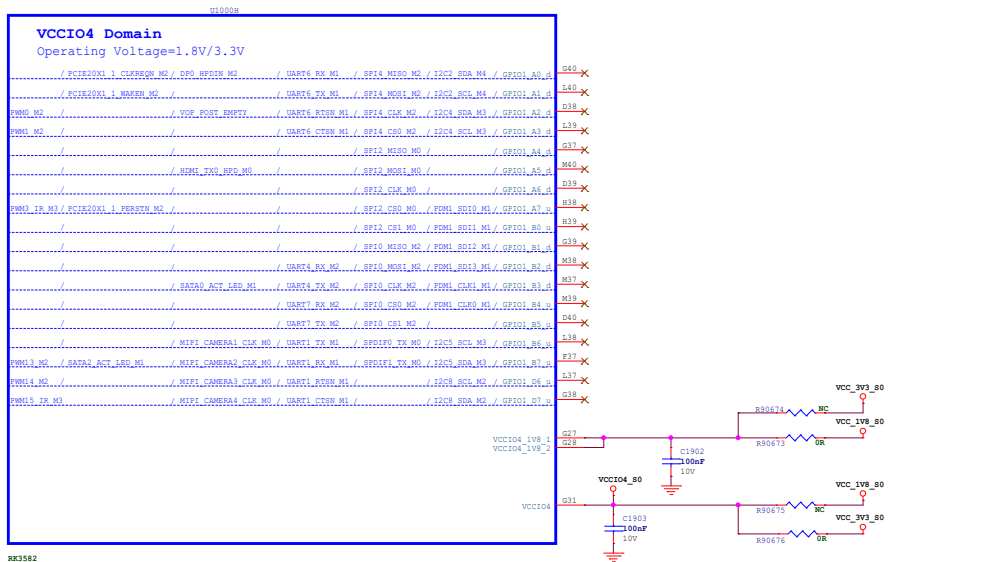


RK3582 (PCIE20/SATA30/USB30)

RK3582 (HDMI2.1 TX/eDP1.3 TX)



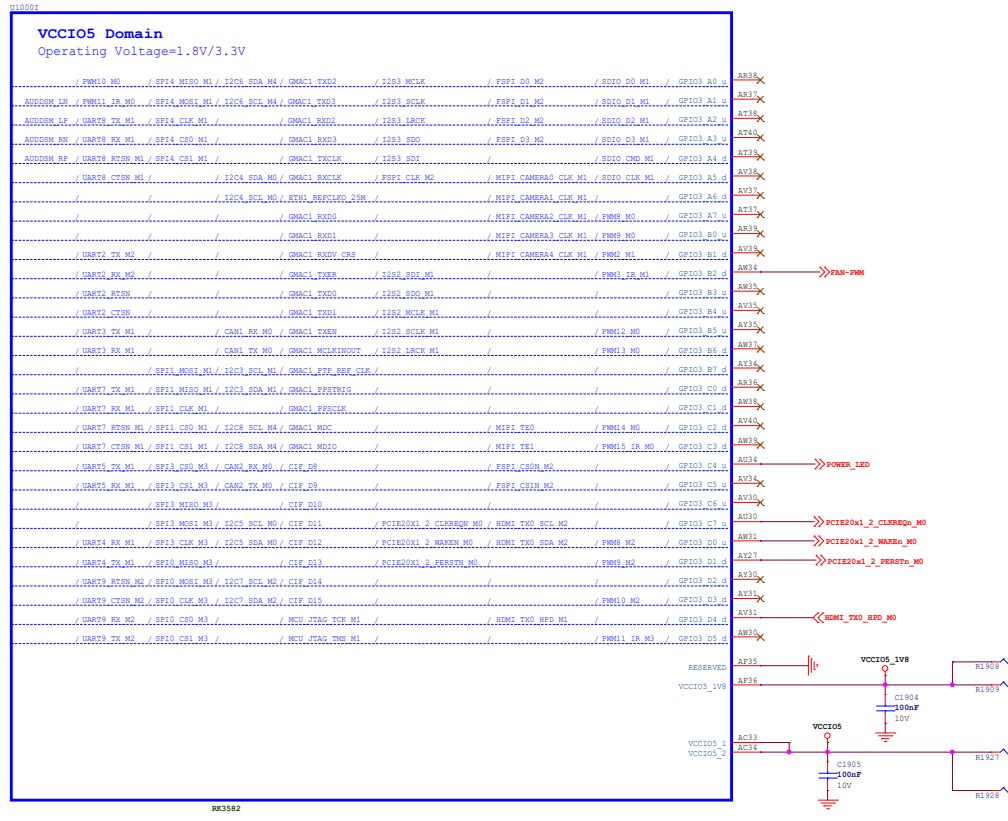
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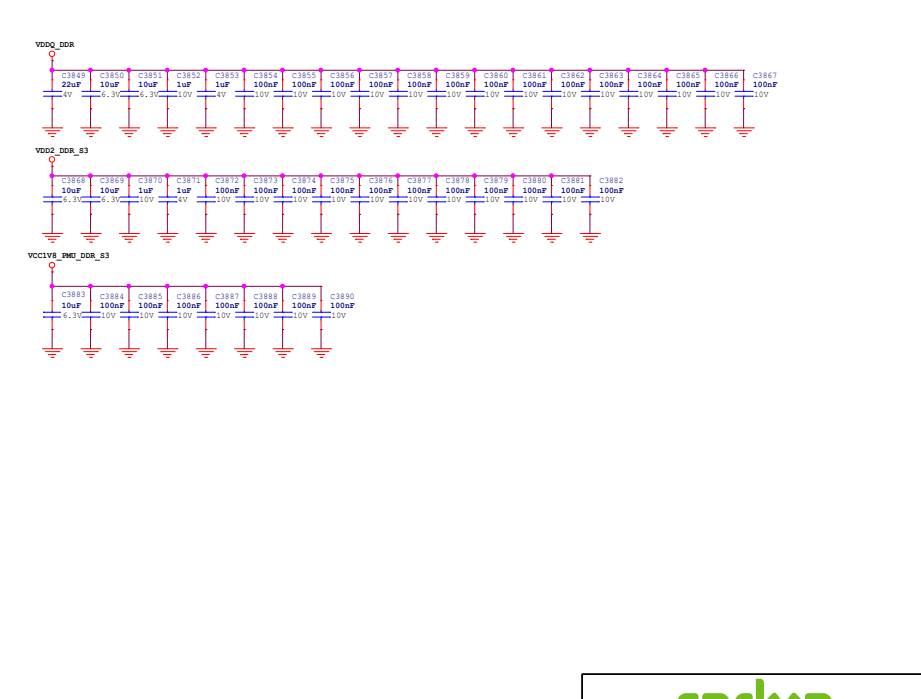
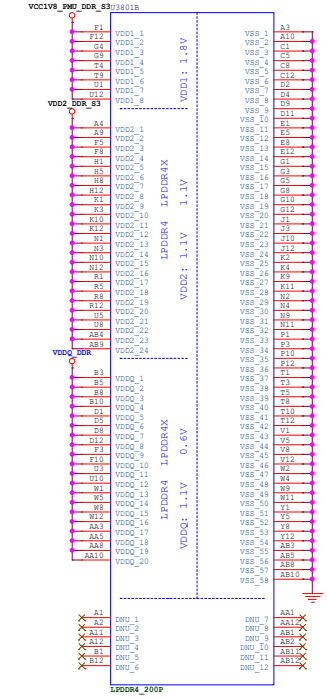
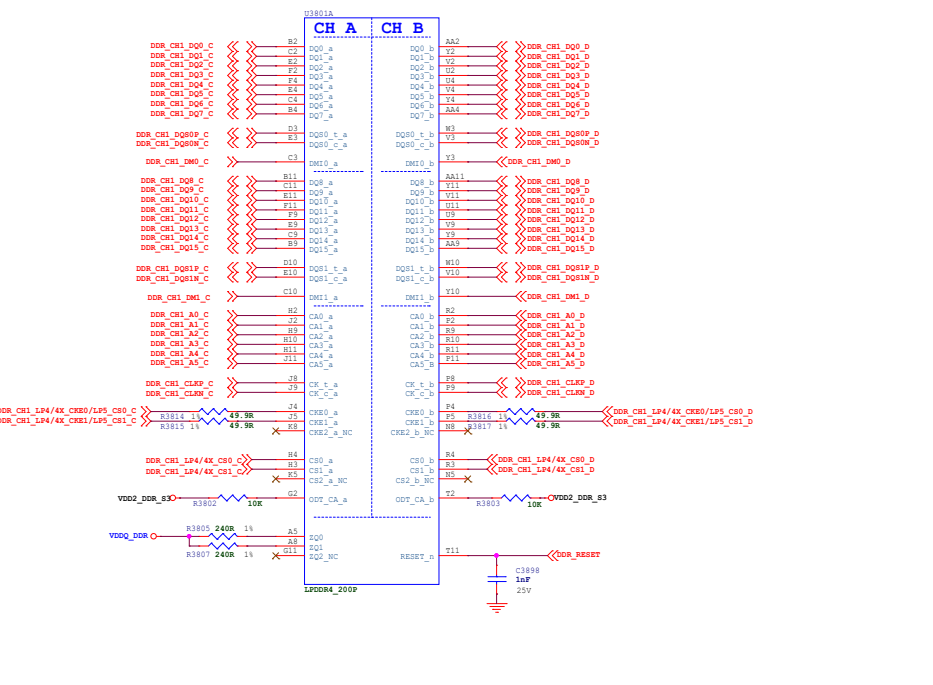
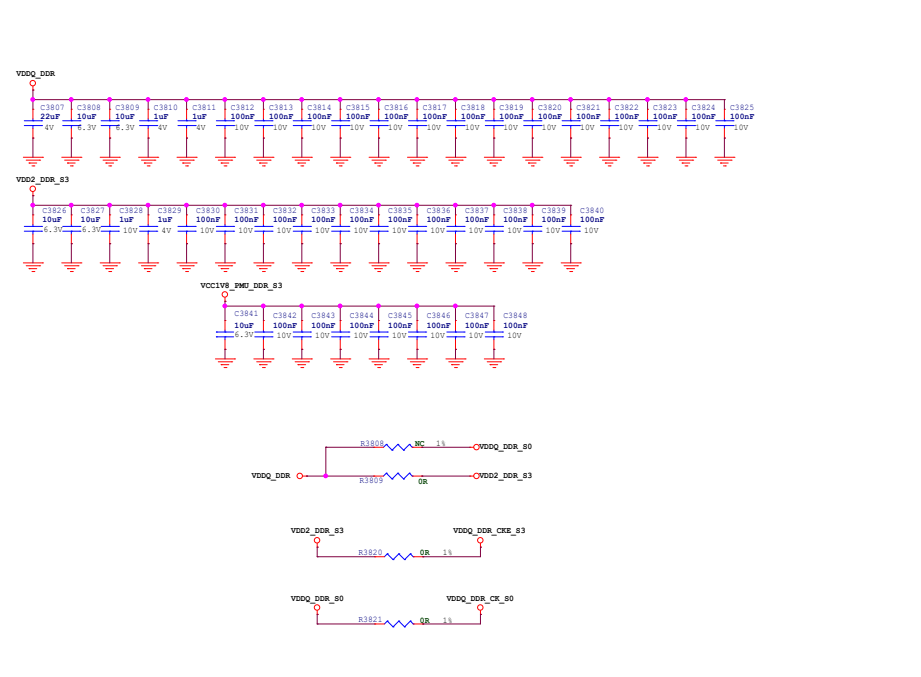
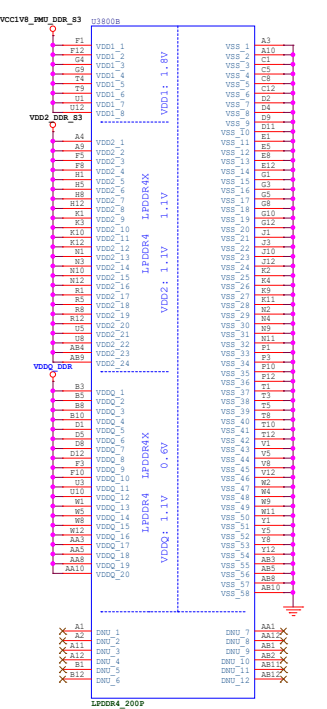
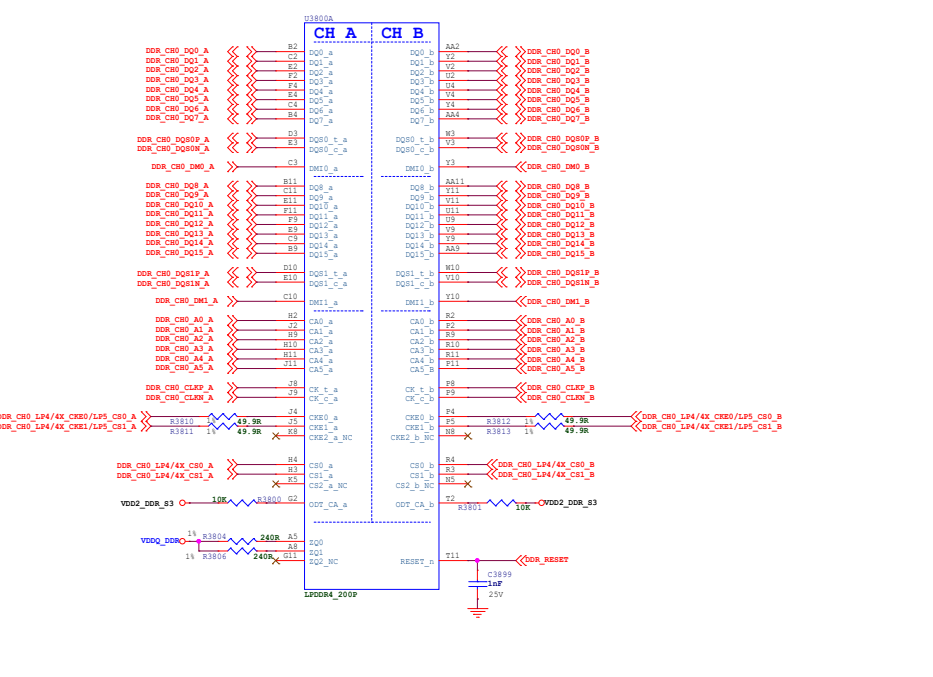
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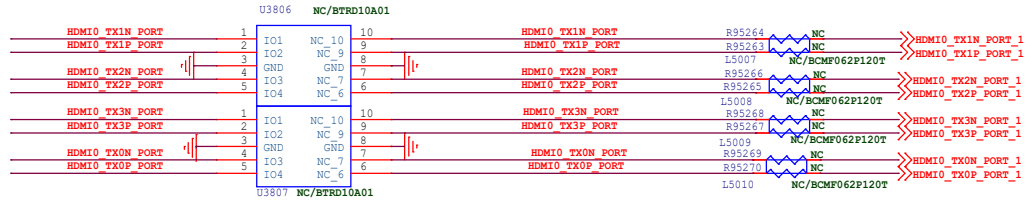
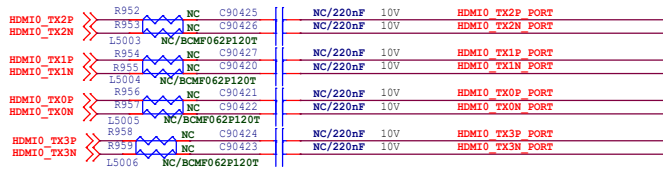
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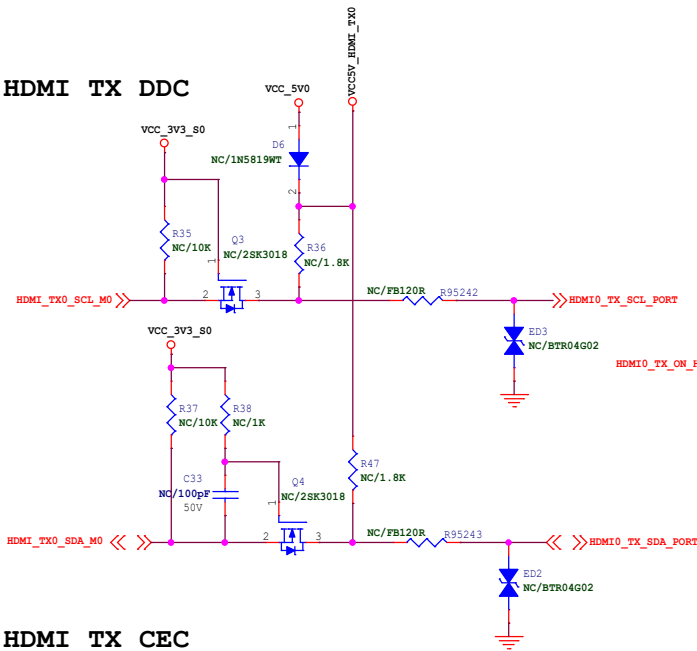
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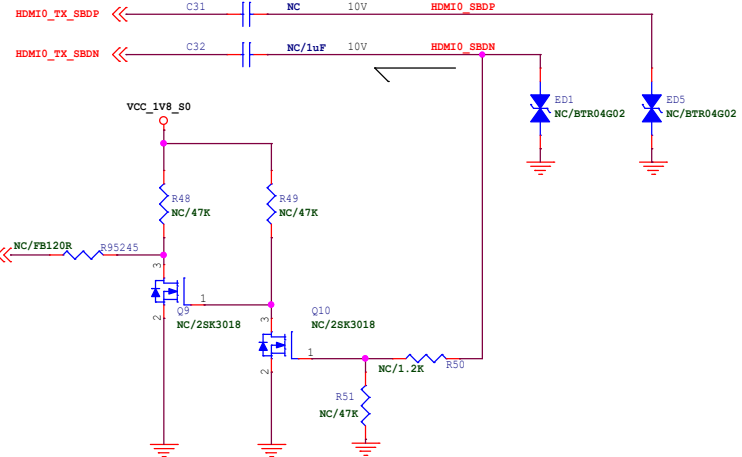
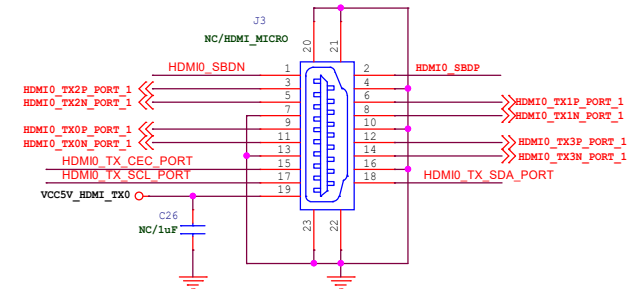
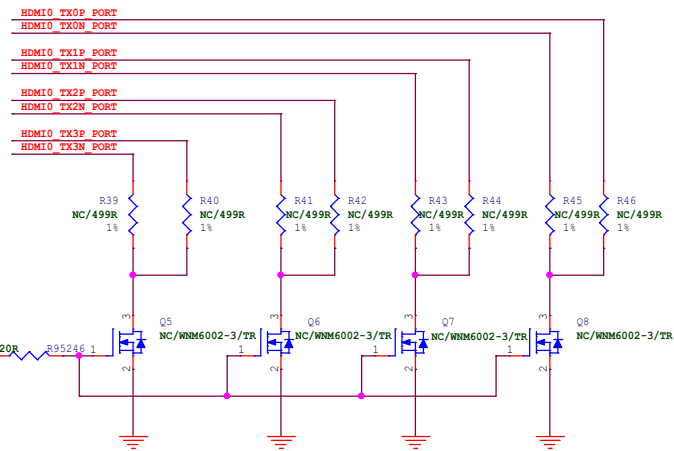
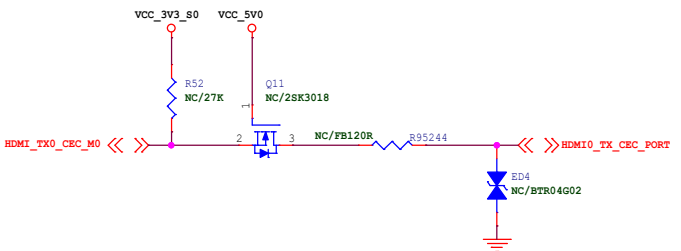
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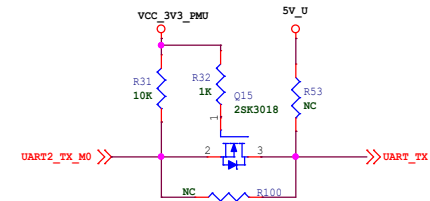
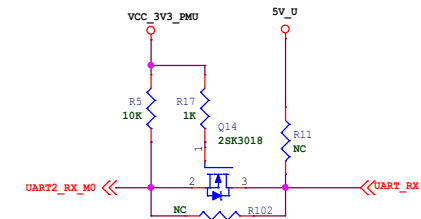
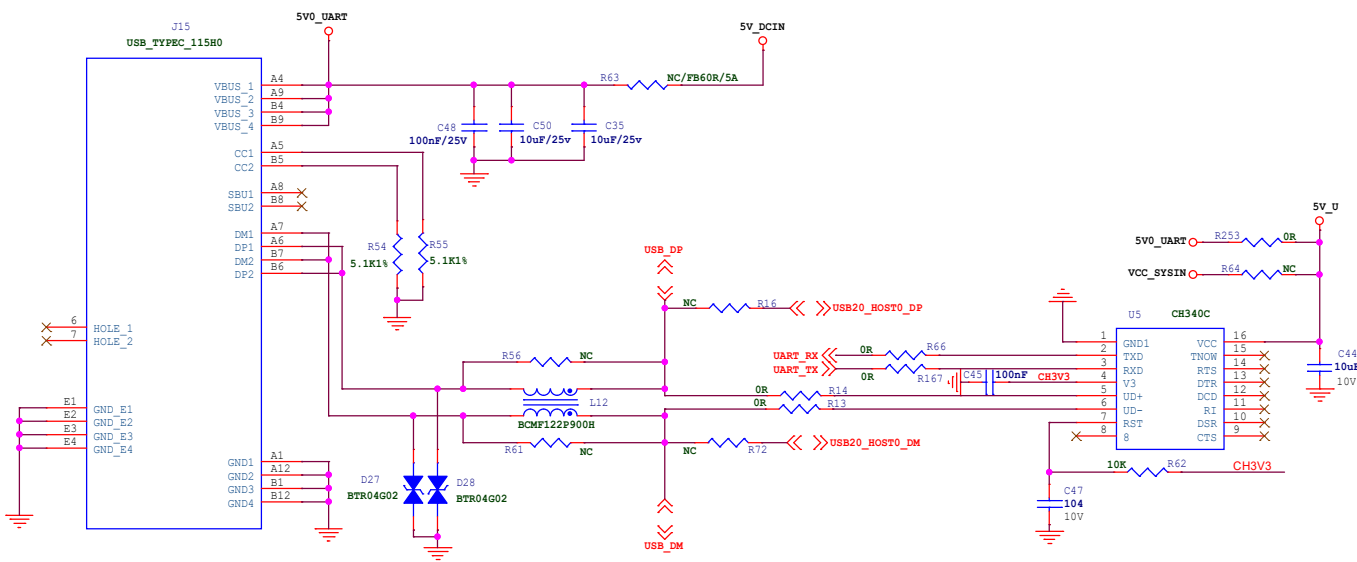
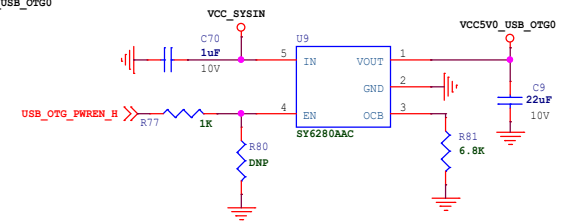
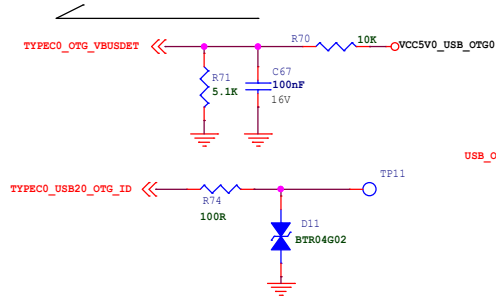
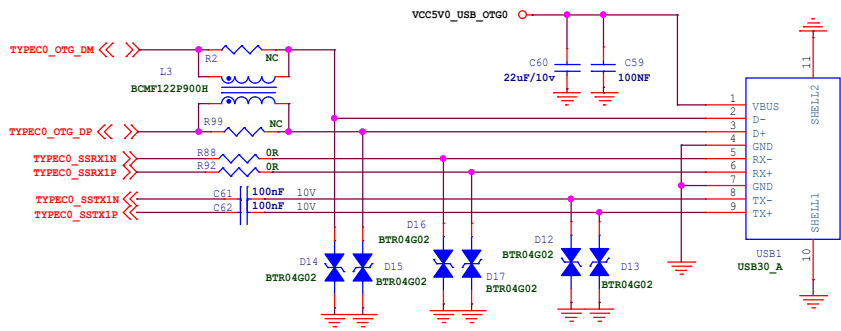
HDMI TX DDC



HDMI TX CEC

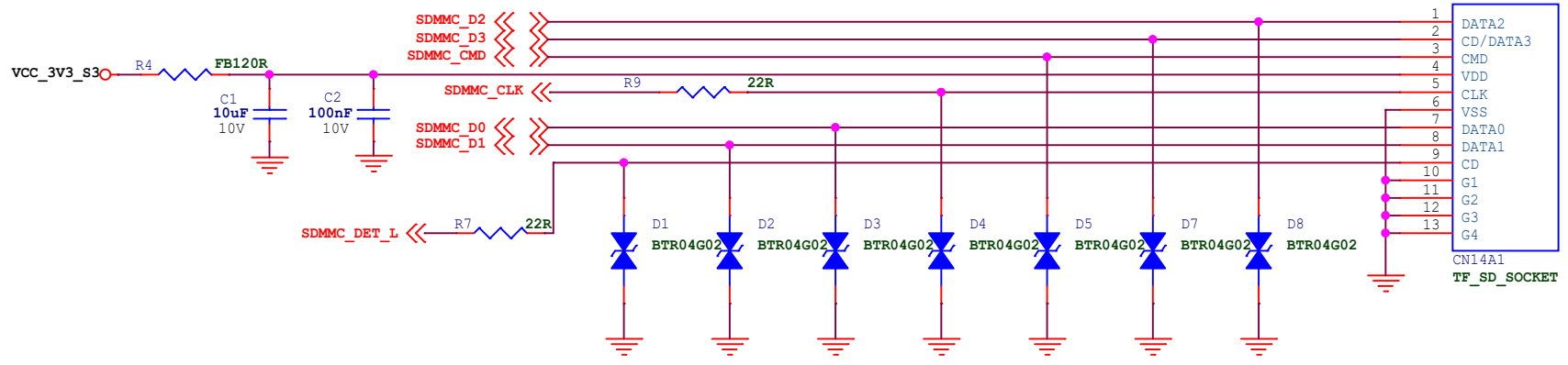


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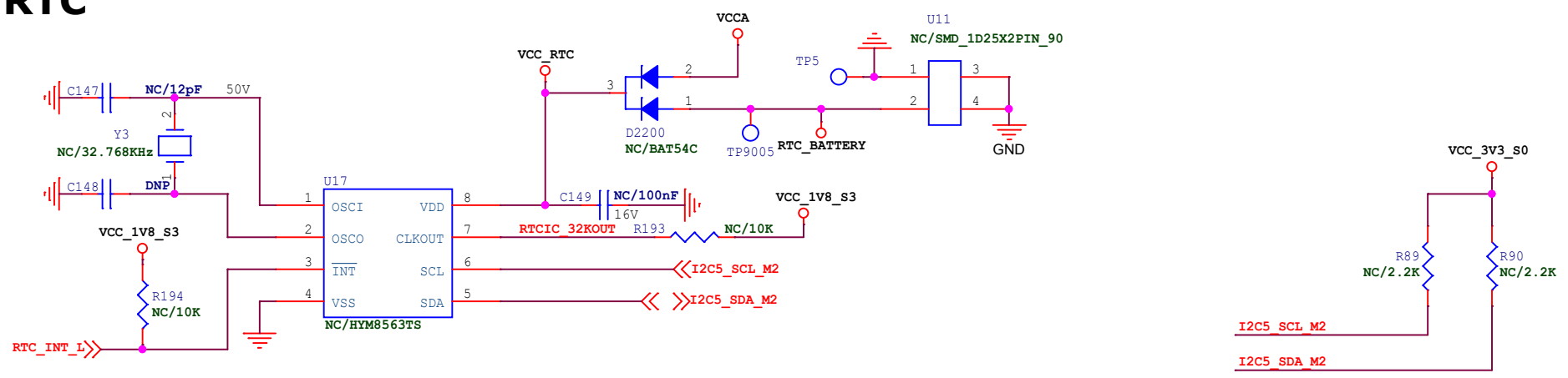


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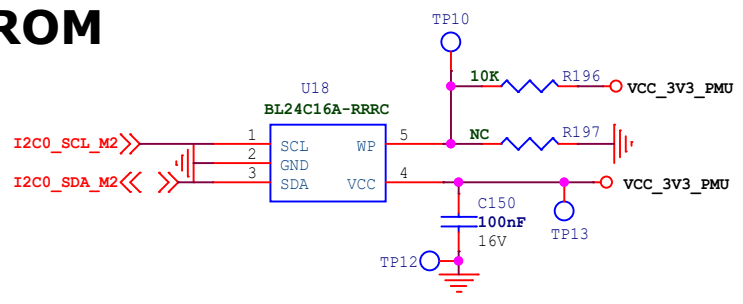
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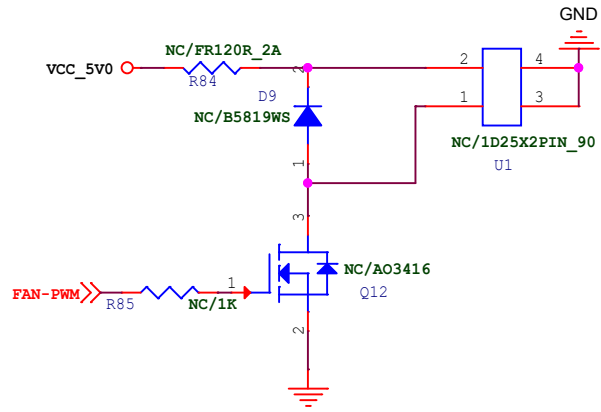


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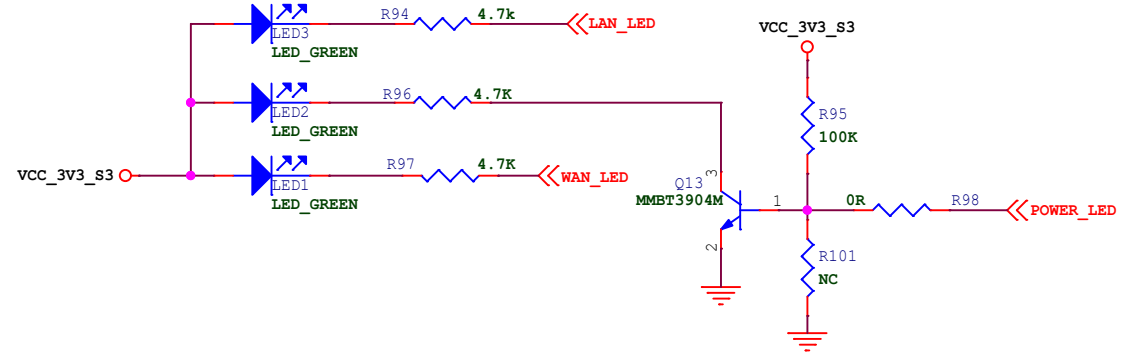


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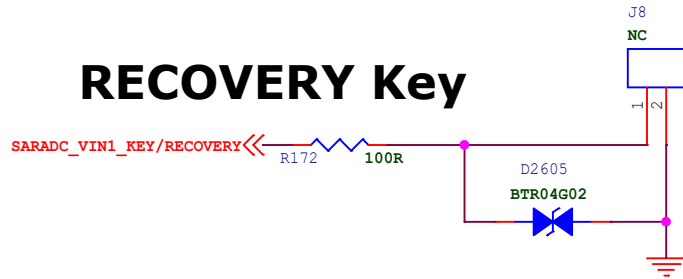
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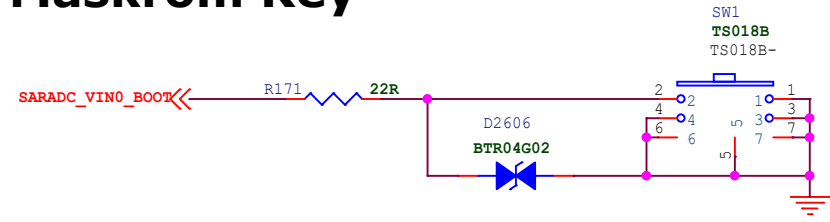
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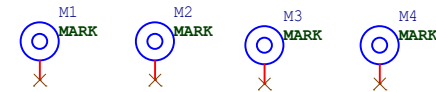
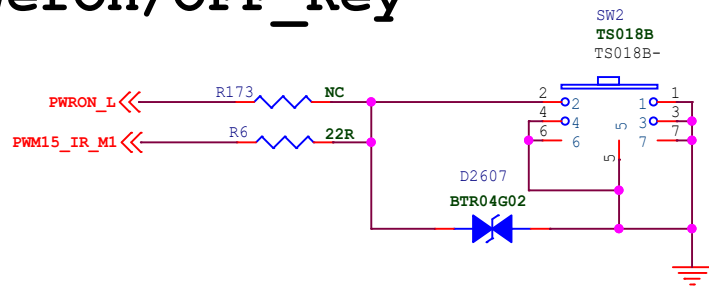
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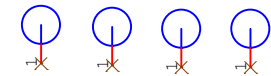
Maskrom Key



PowerOn/OFF_Key

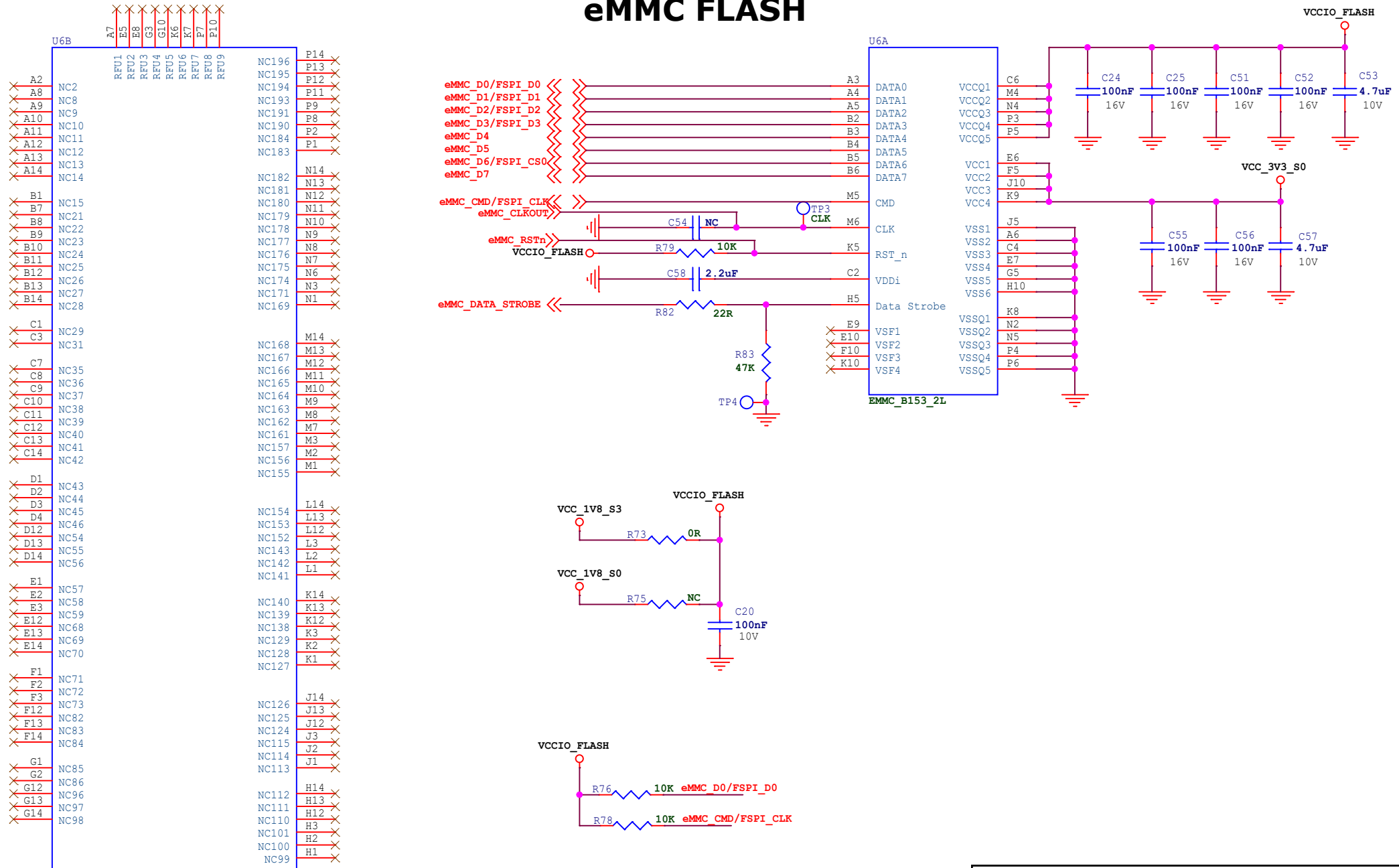



H1 HOLE H2 HOLE H3 HOLE H4 HOLE



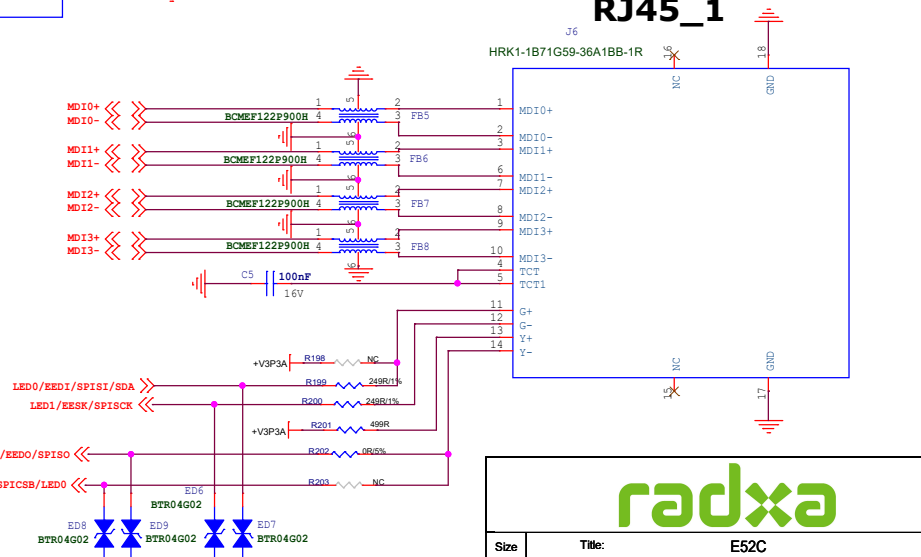
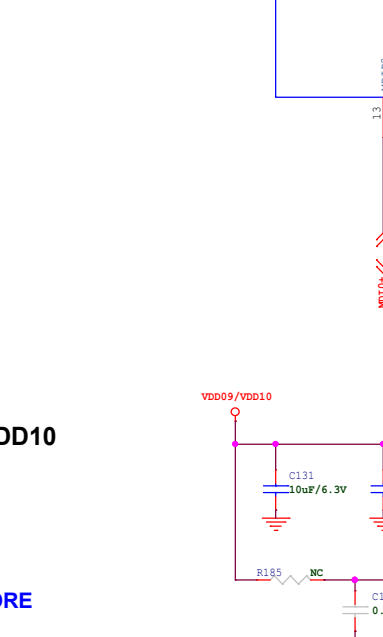
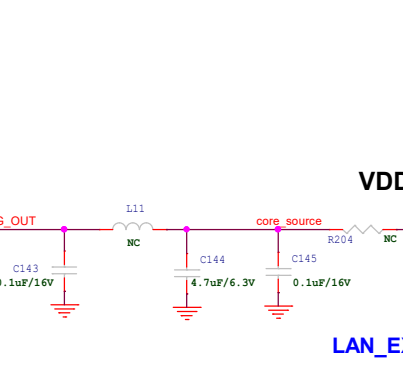
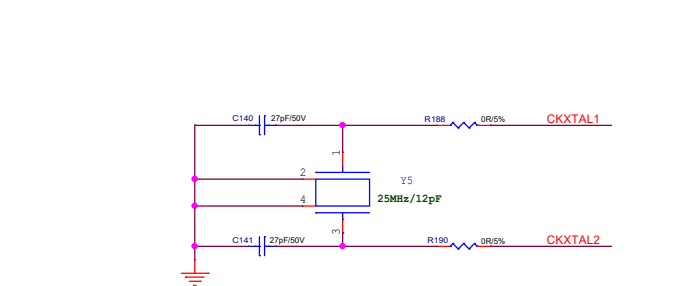
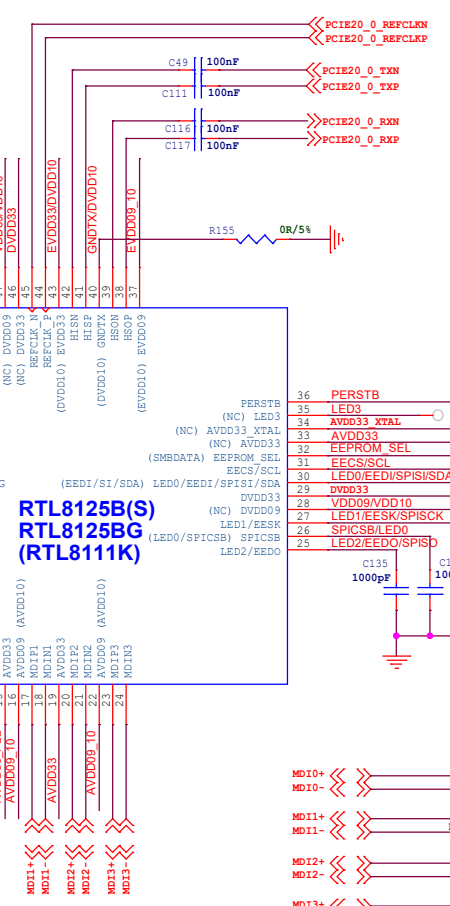
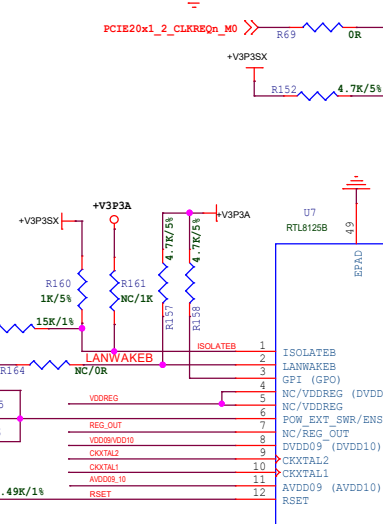
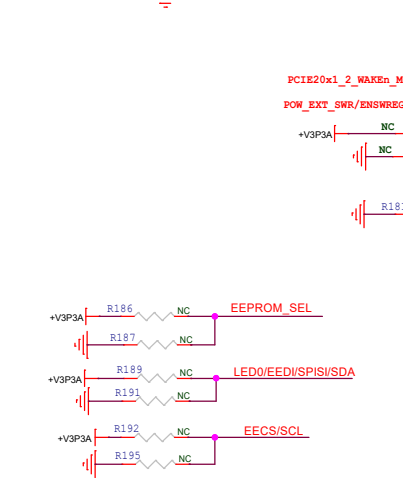
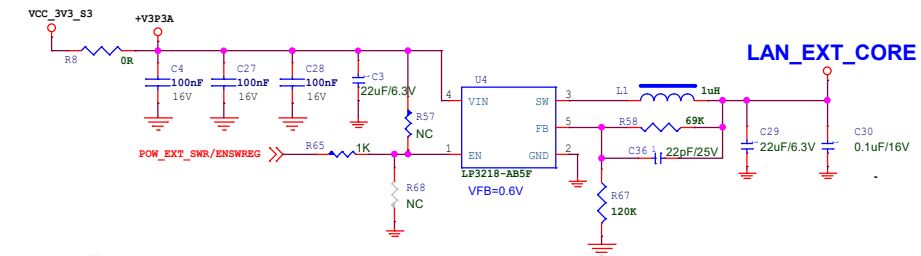
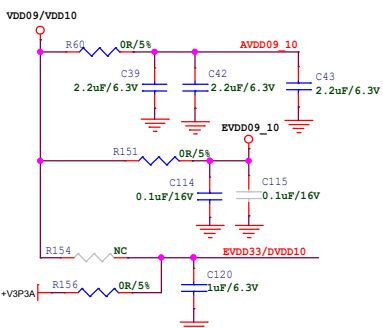
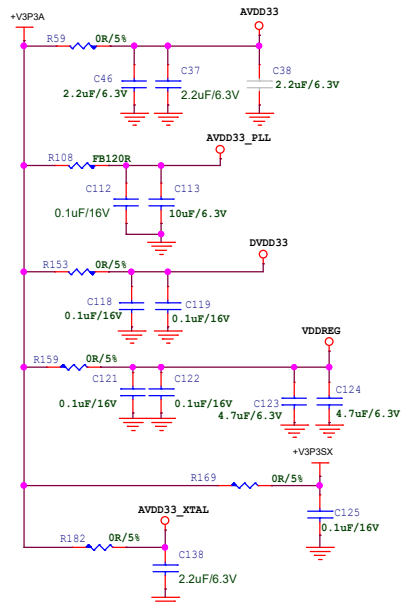
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eMMC FLASH



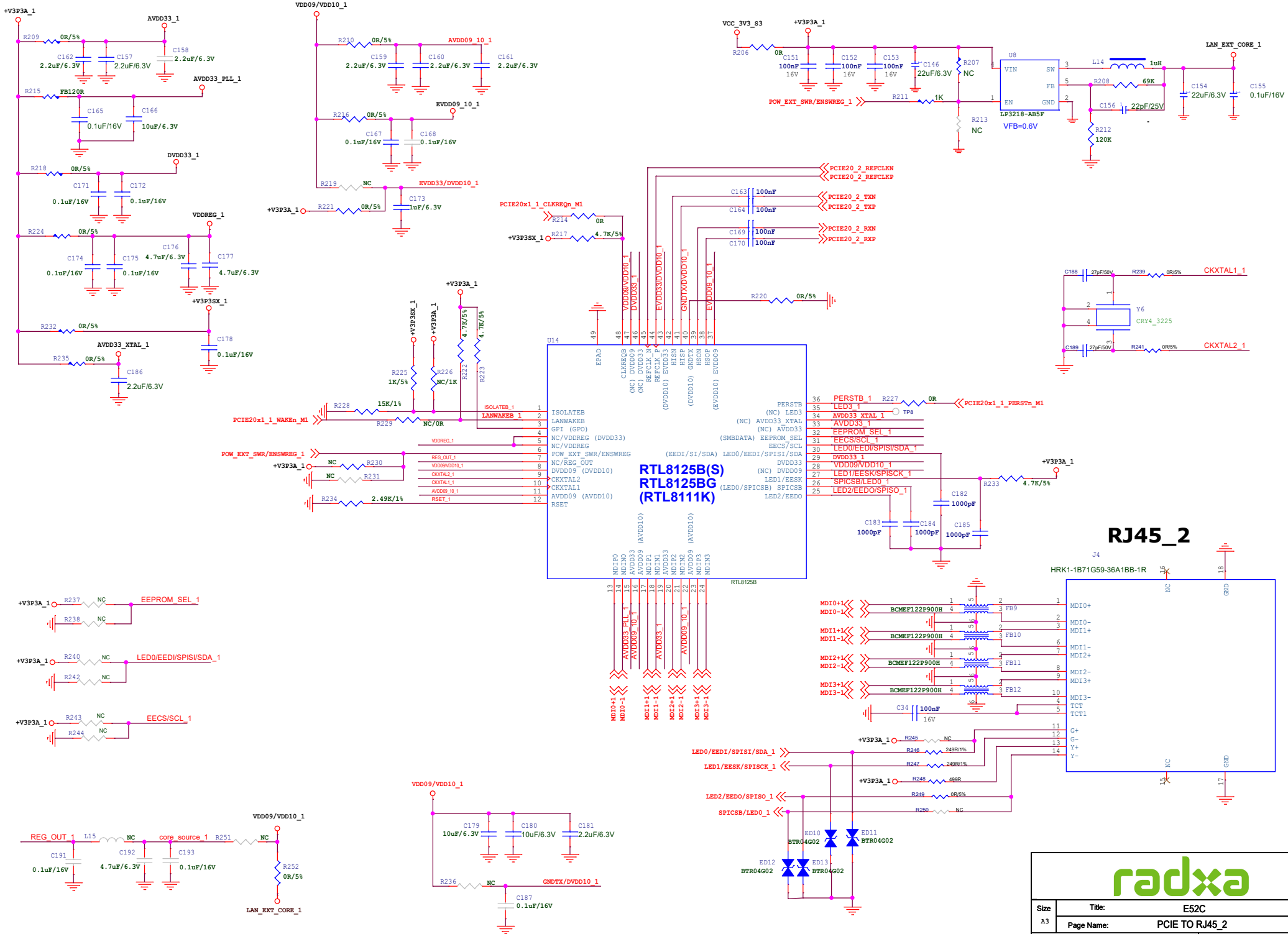


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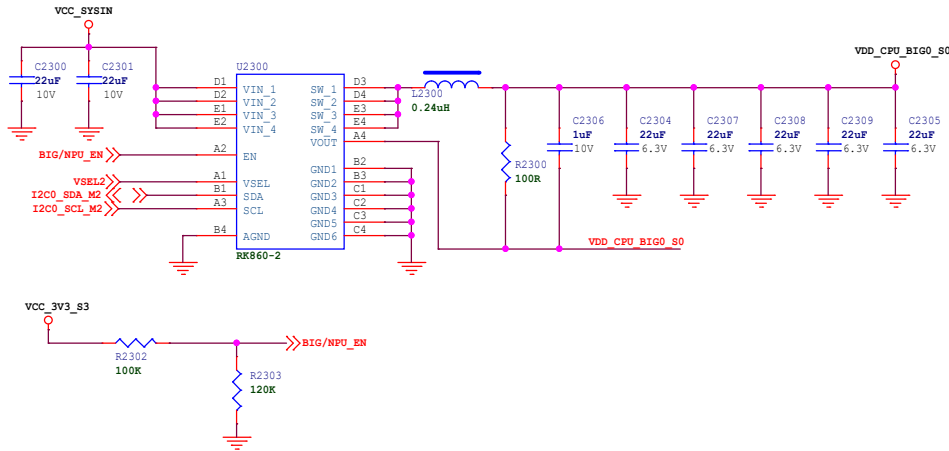
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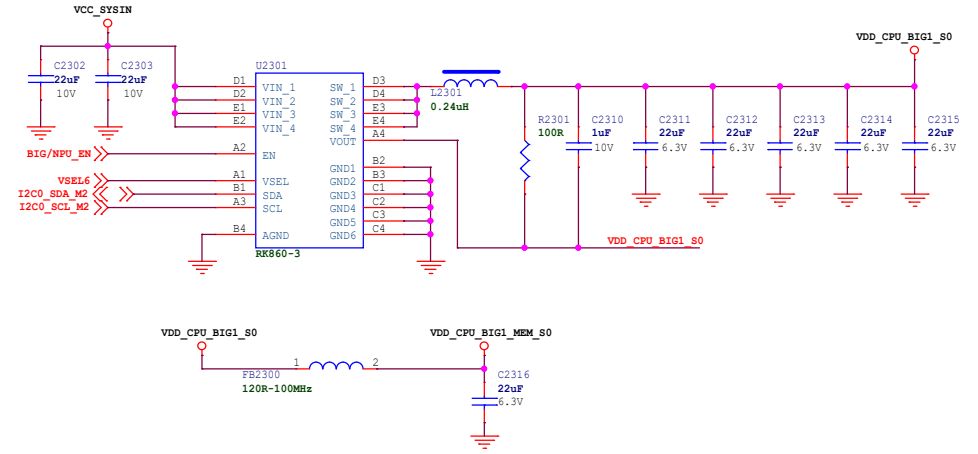


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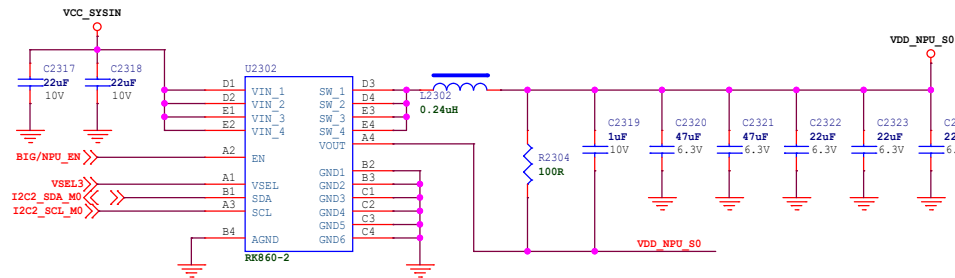
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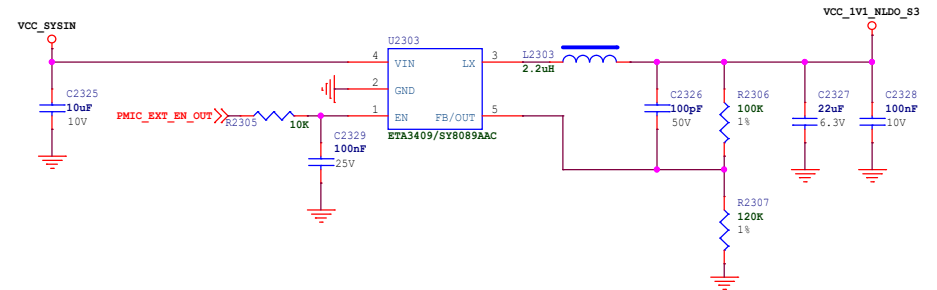
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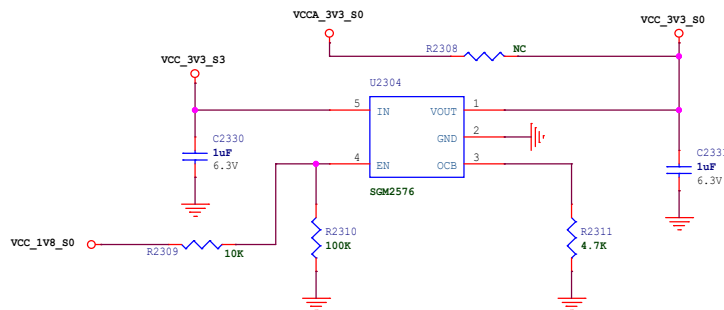
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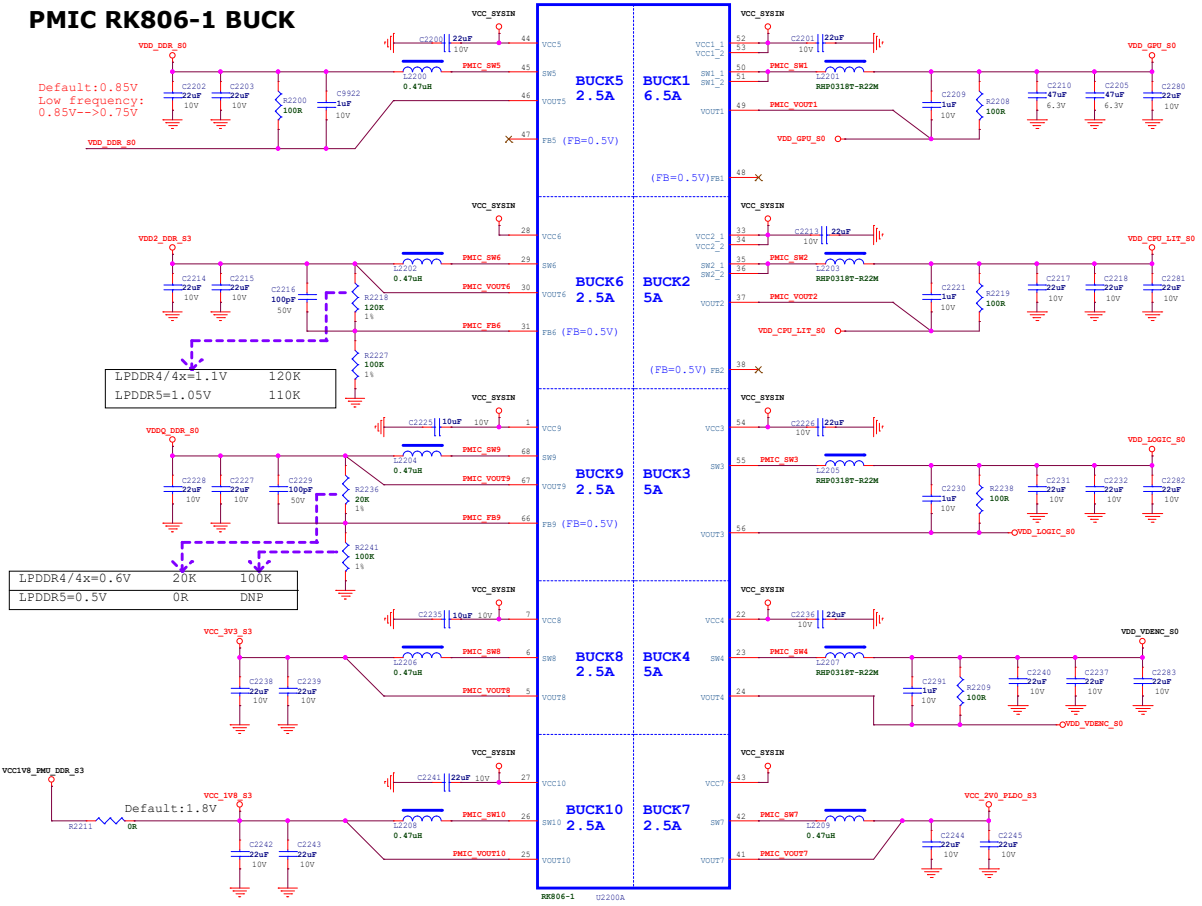
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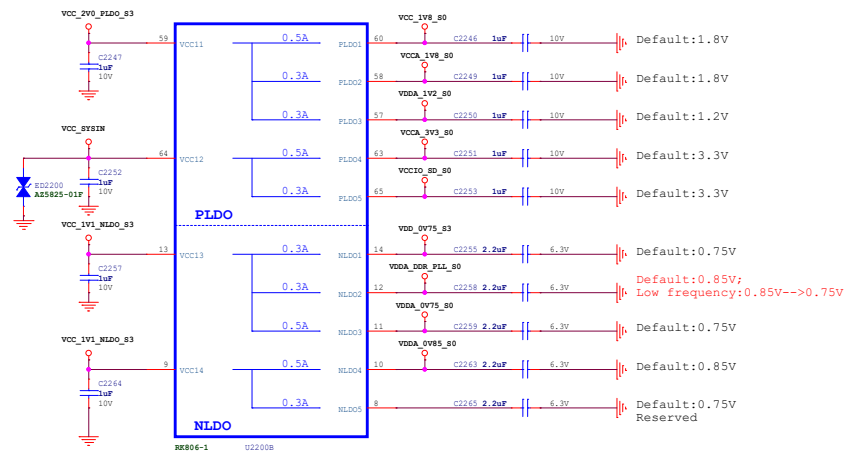
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PMIC1 RK806-1

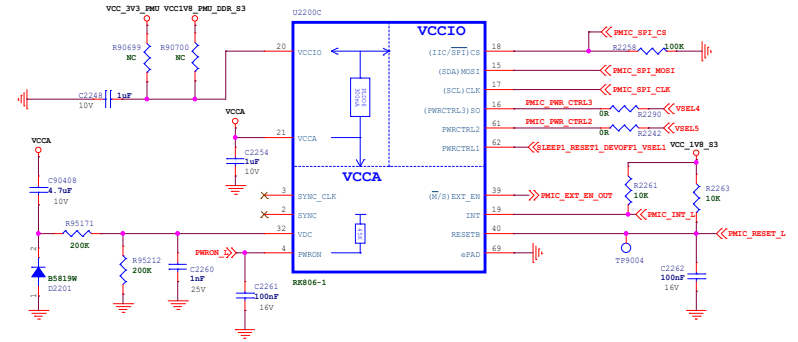
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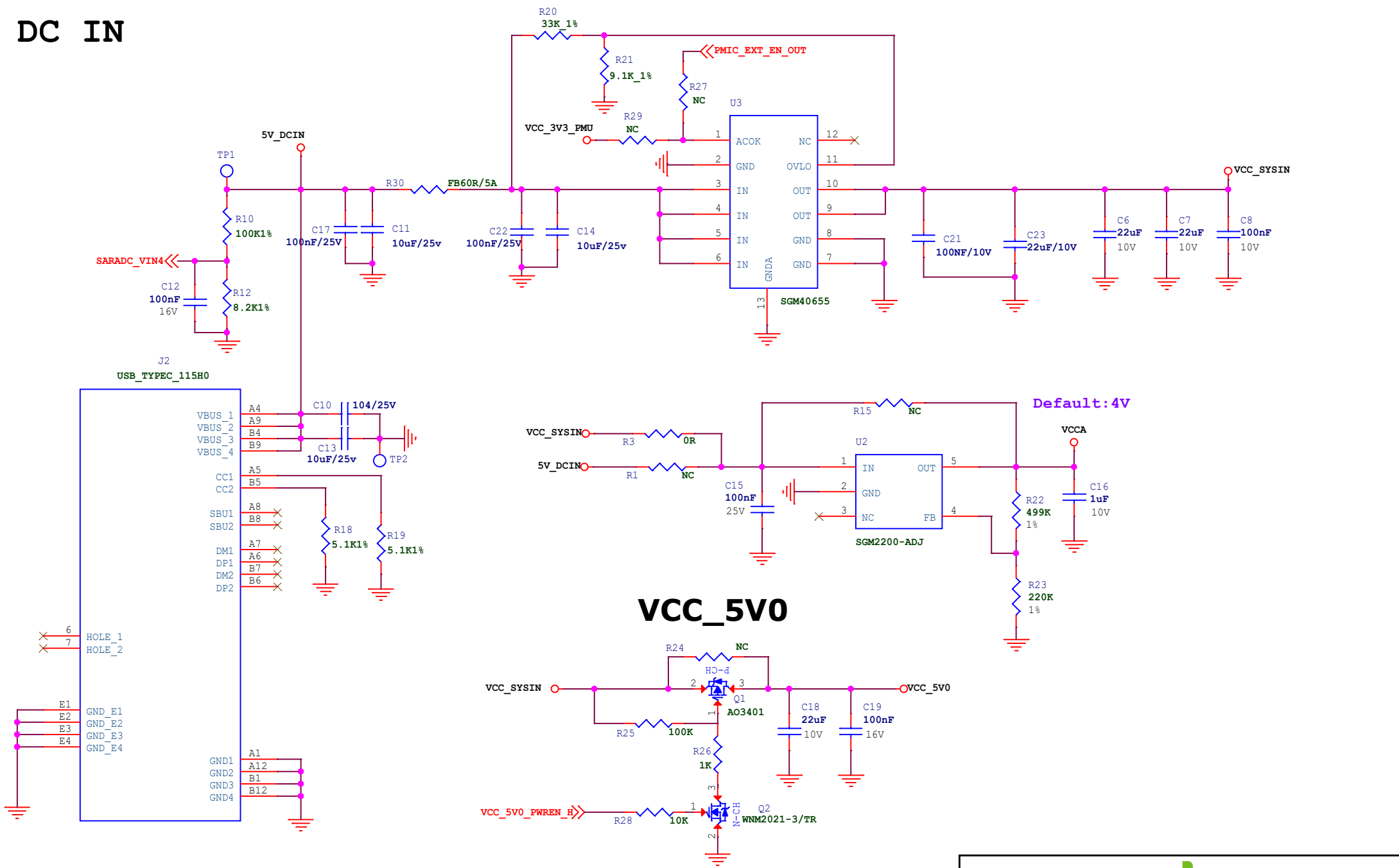
PMIC RK806-1 LDO



PMIC RK806-1 Management



DC IN



VCC_5V0



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