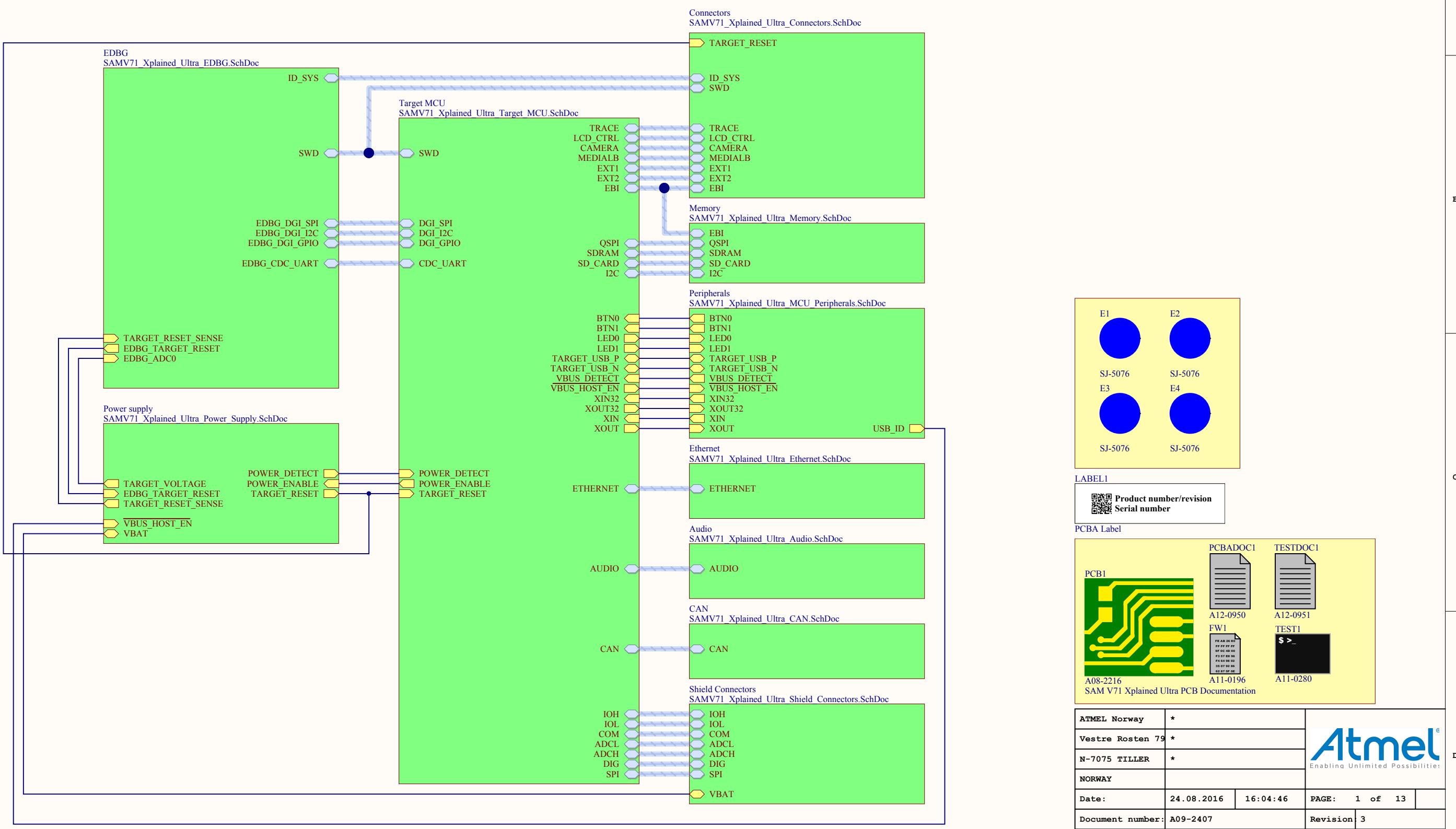
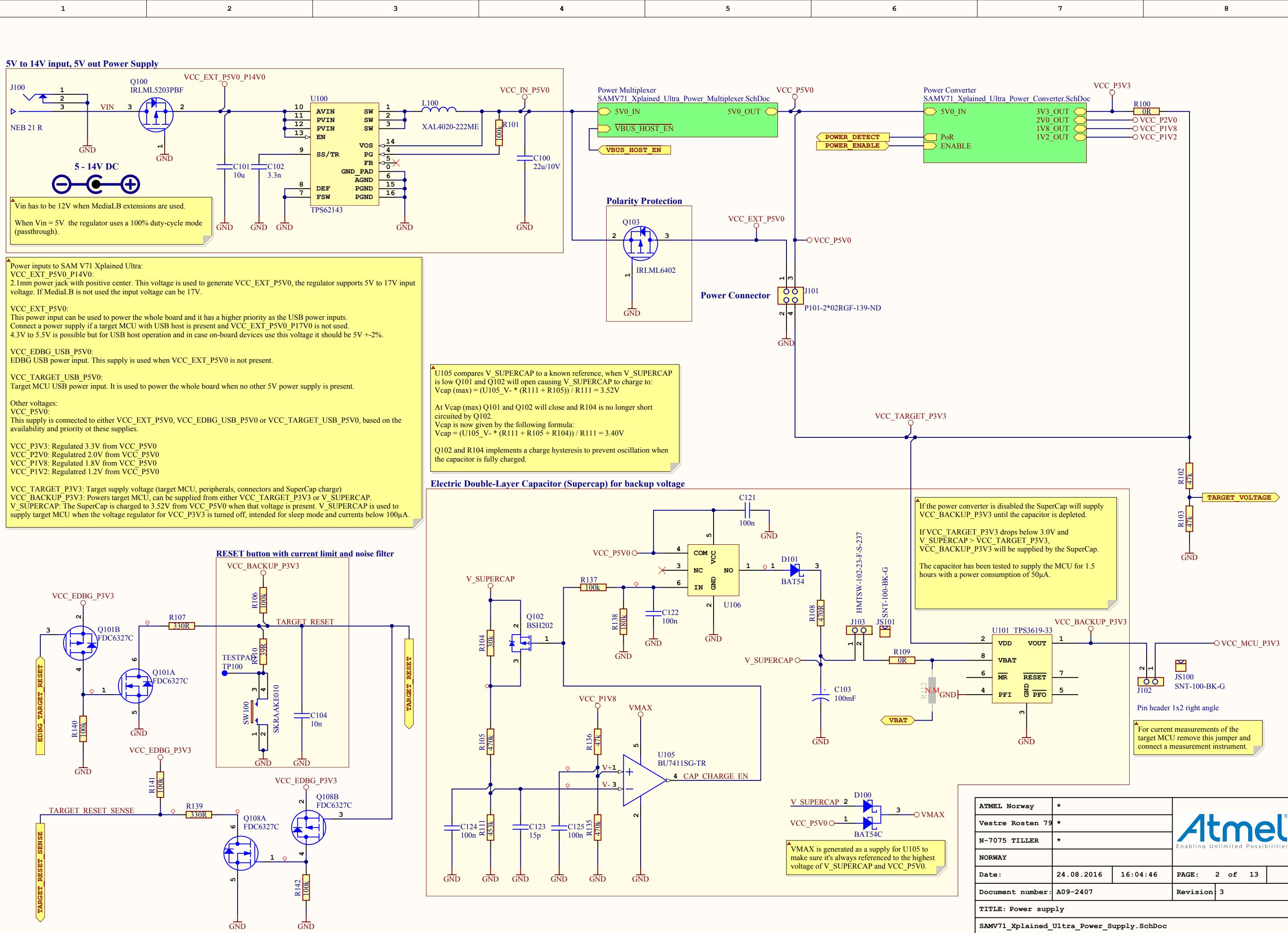
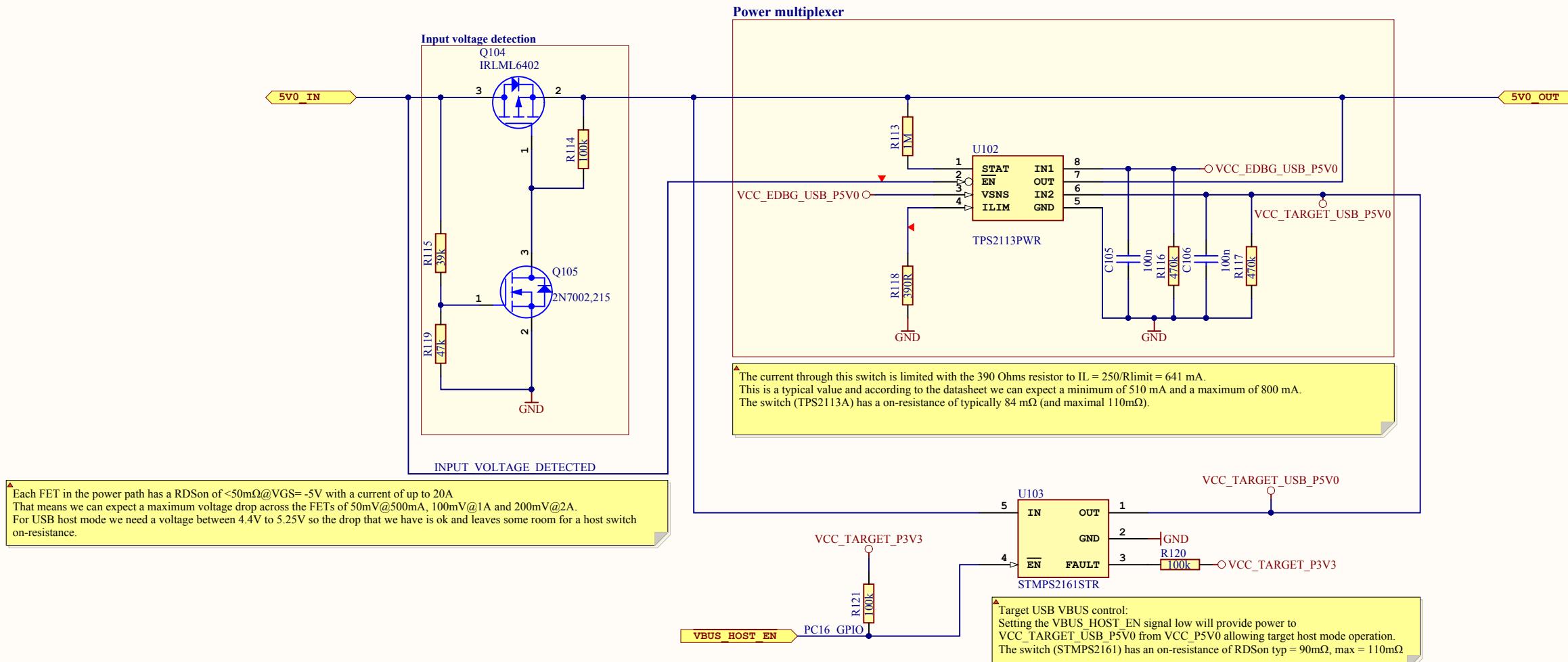


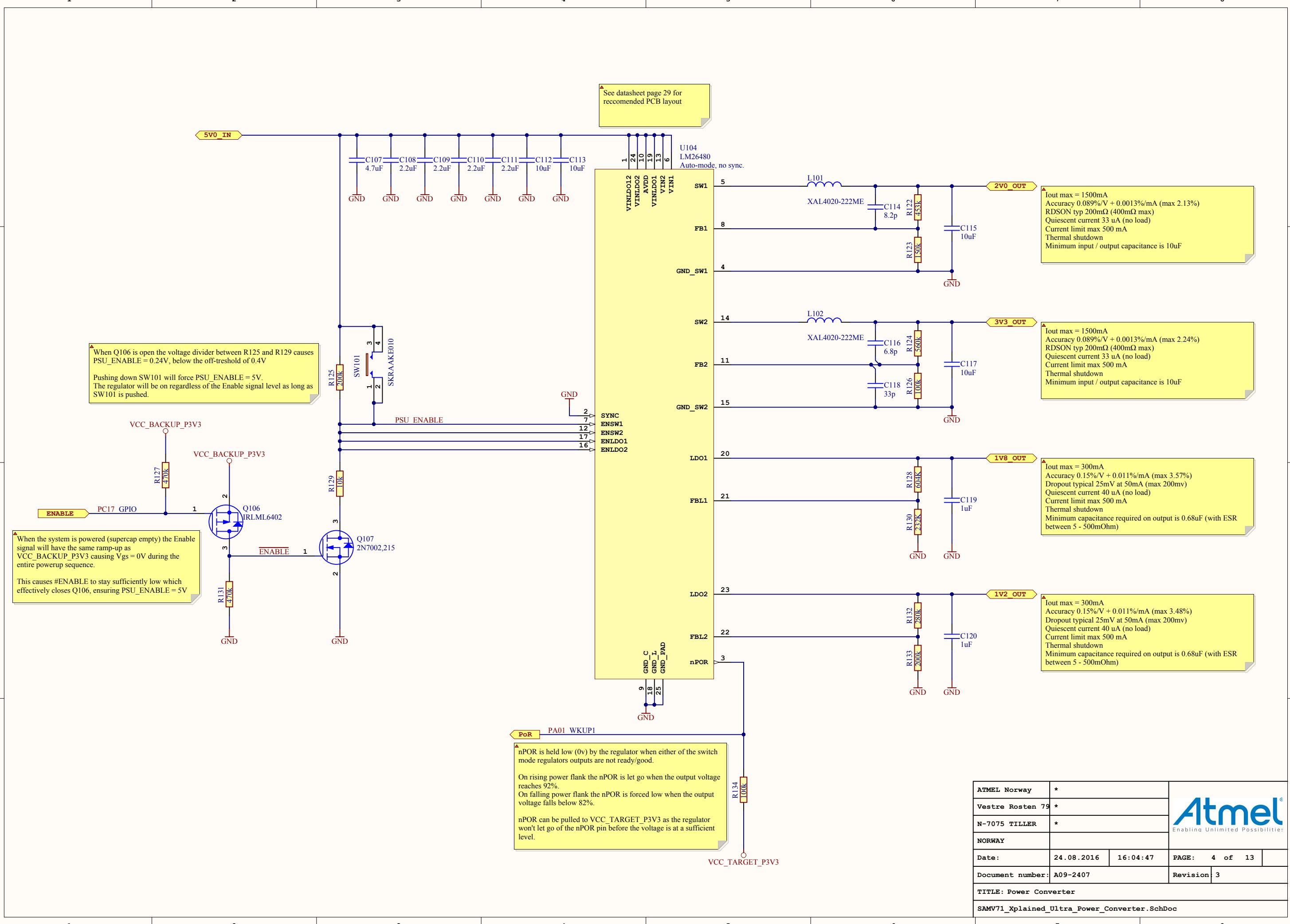
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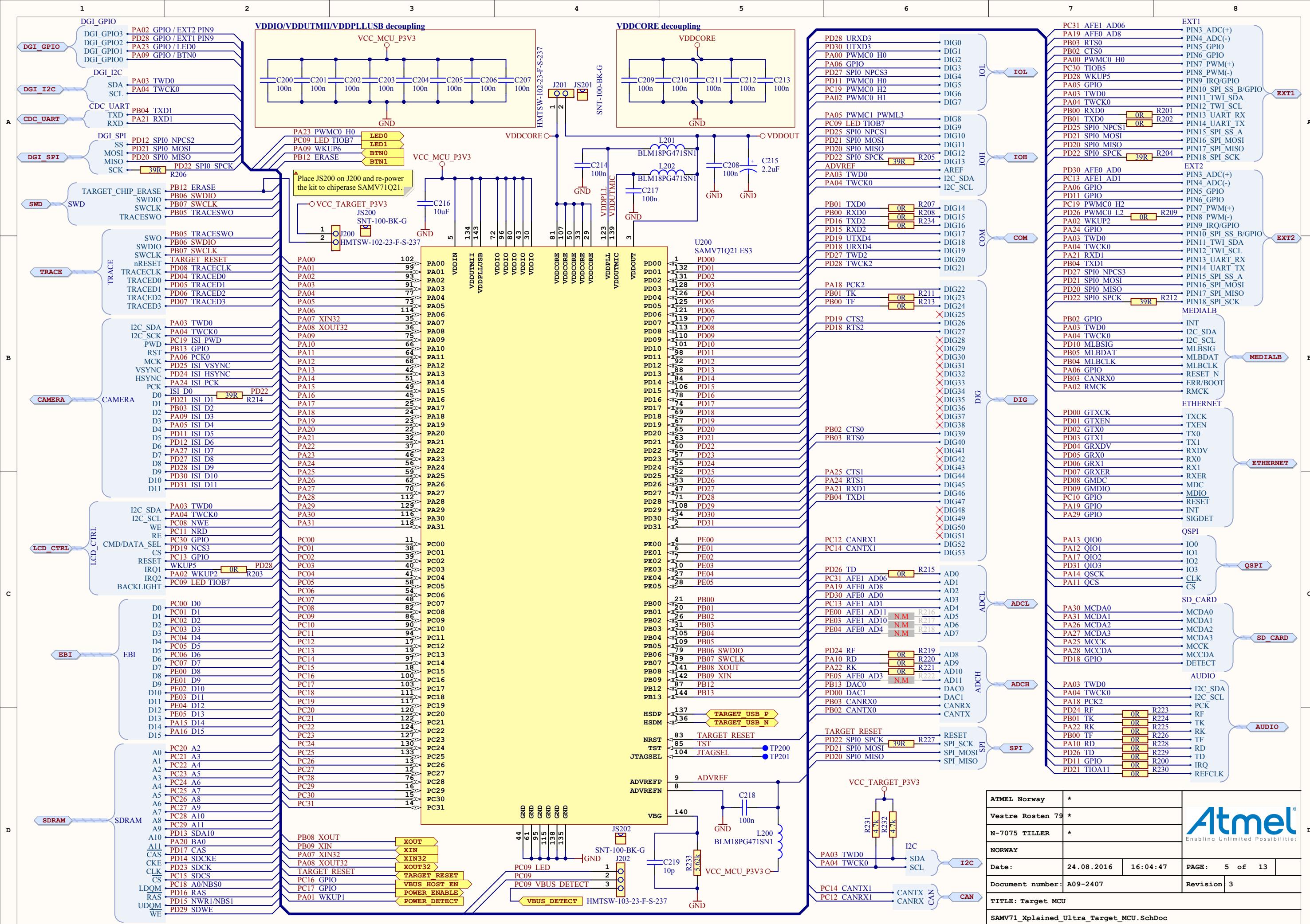


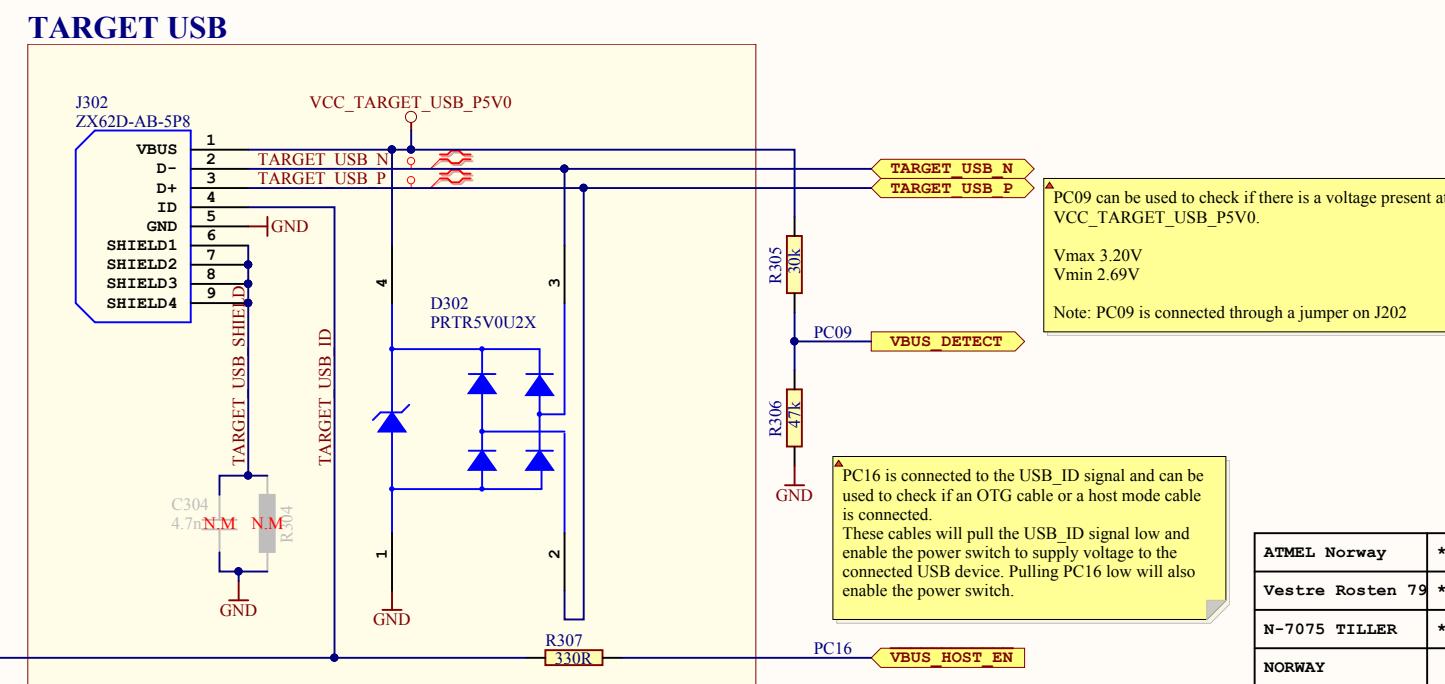
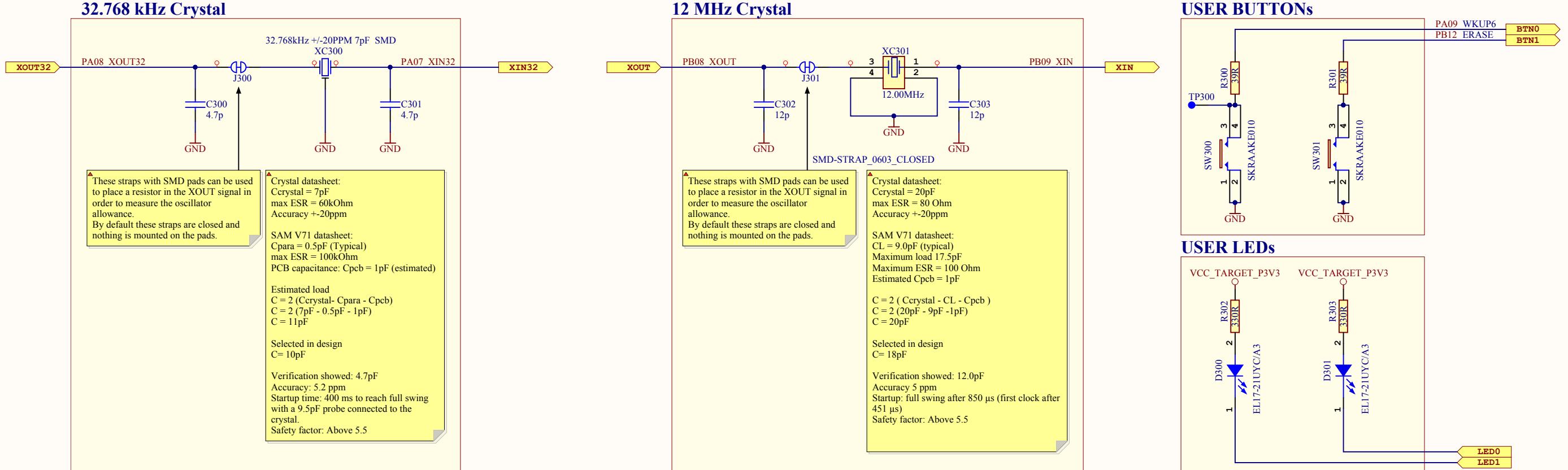




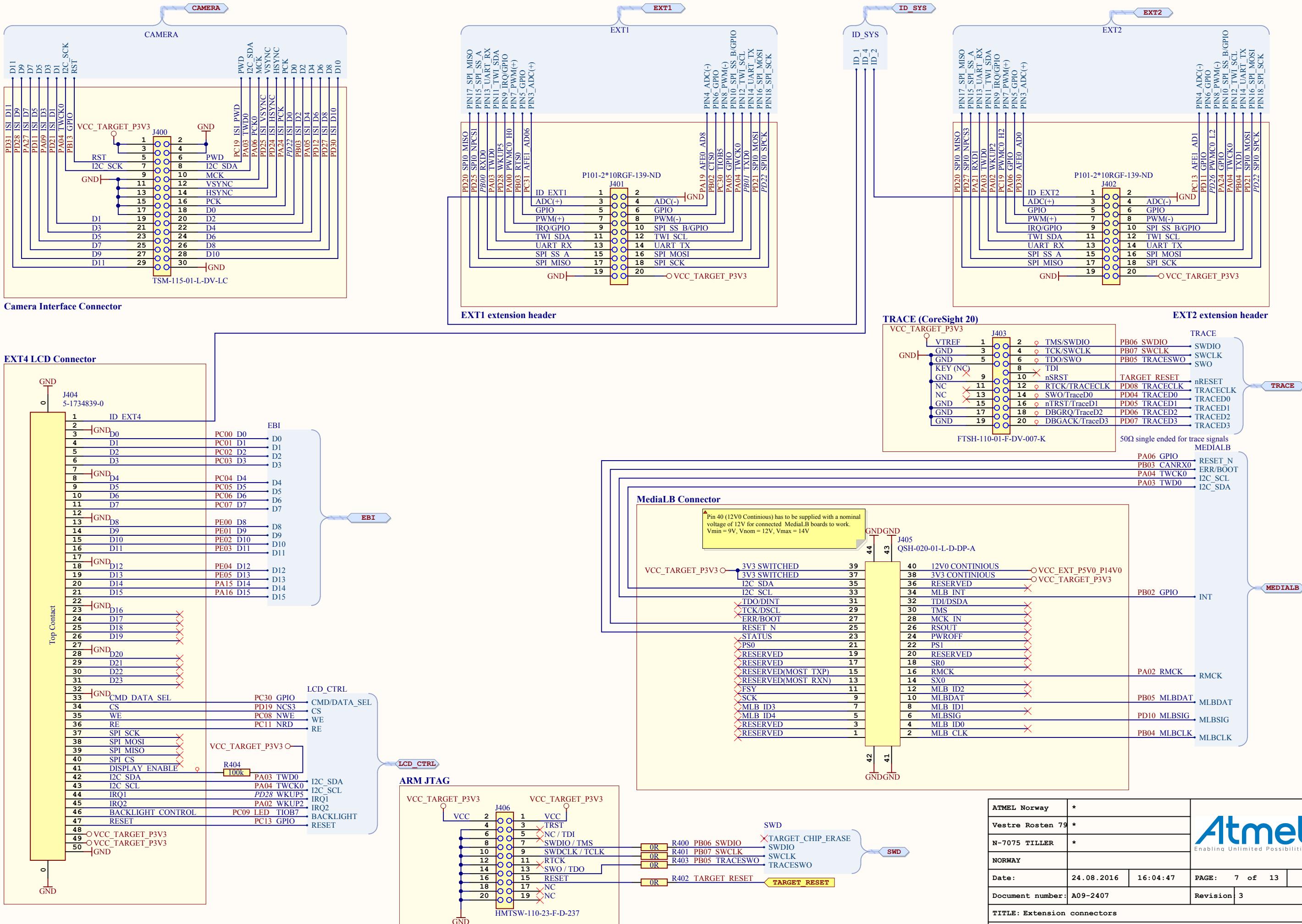
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Vestre Rosten 79	*
N-7075 TILLER	*
NORWAY	
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Document number:	A09-2407
Revision	3
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Vestre Rosten 79	*		
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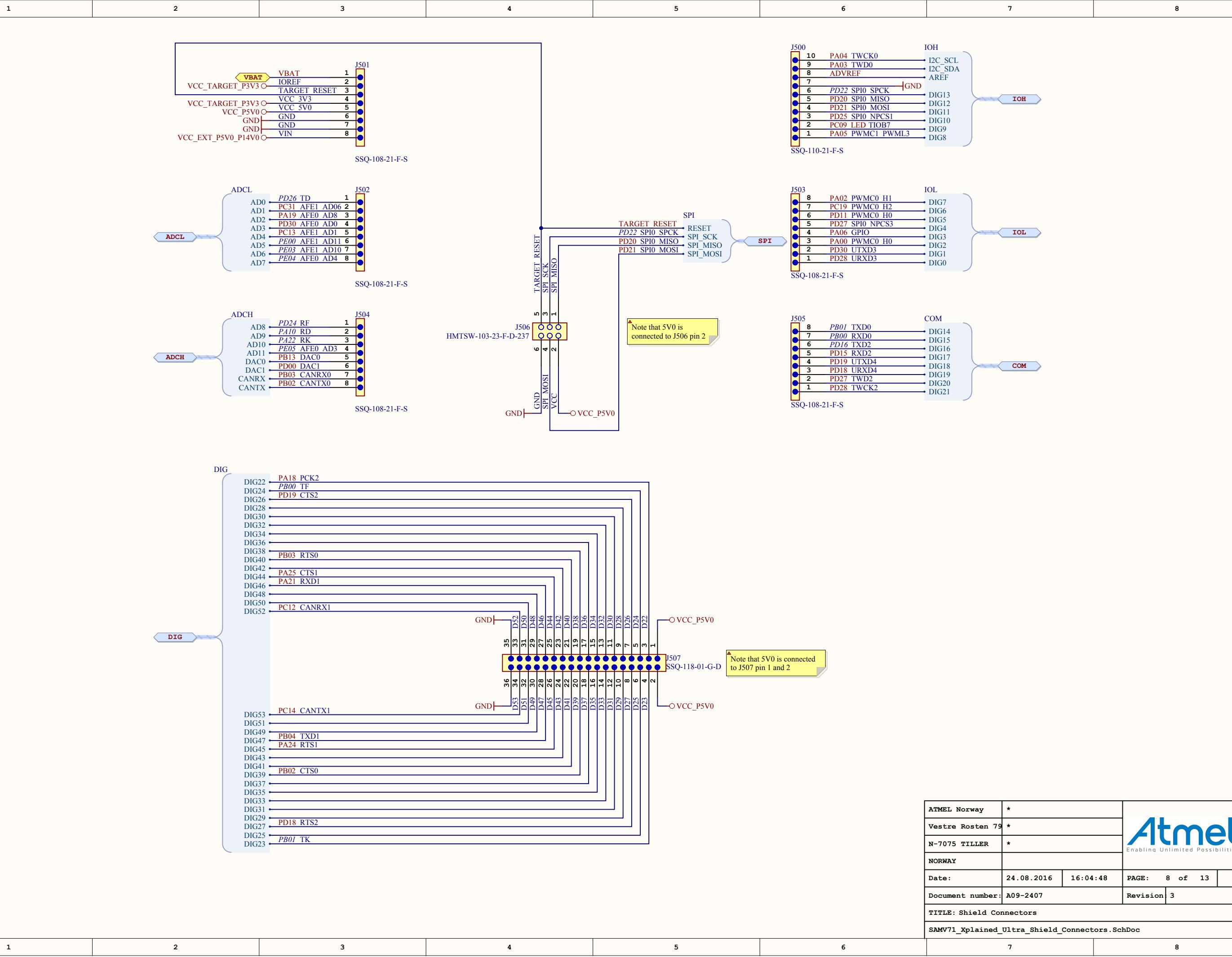
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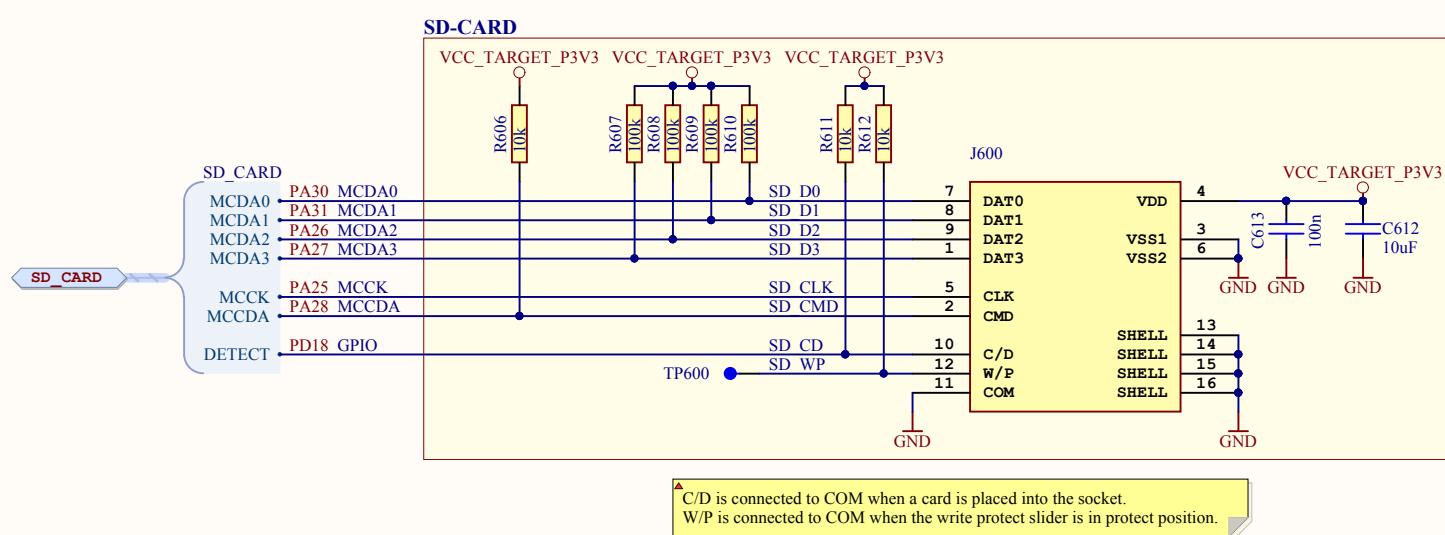
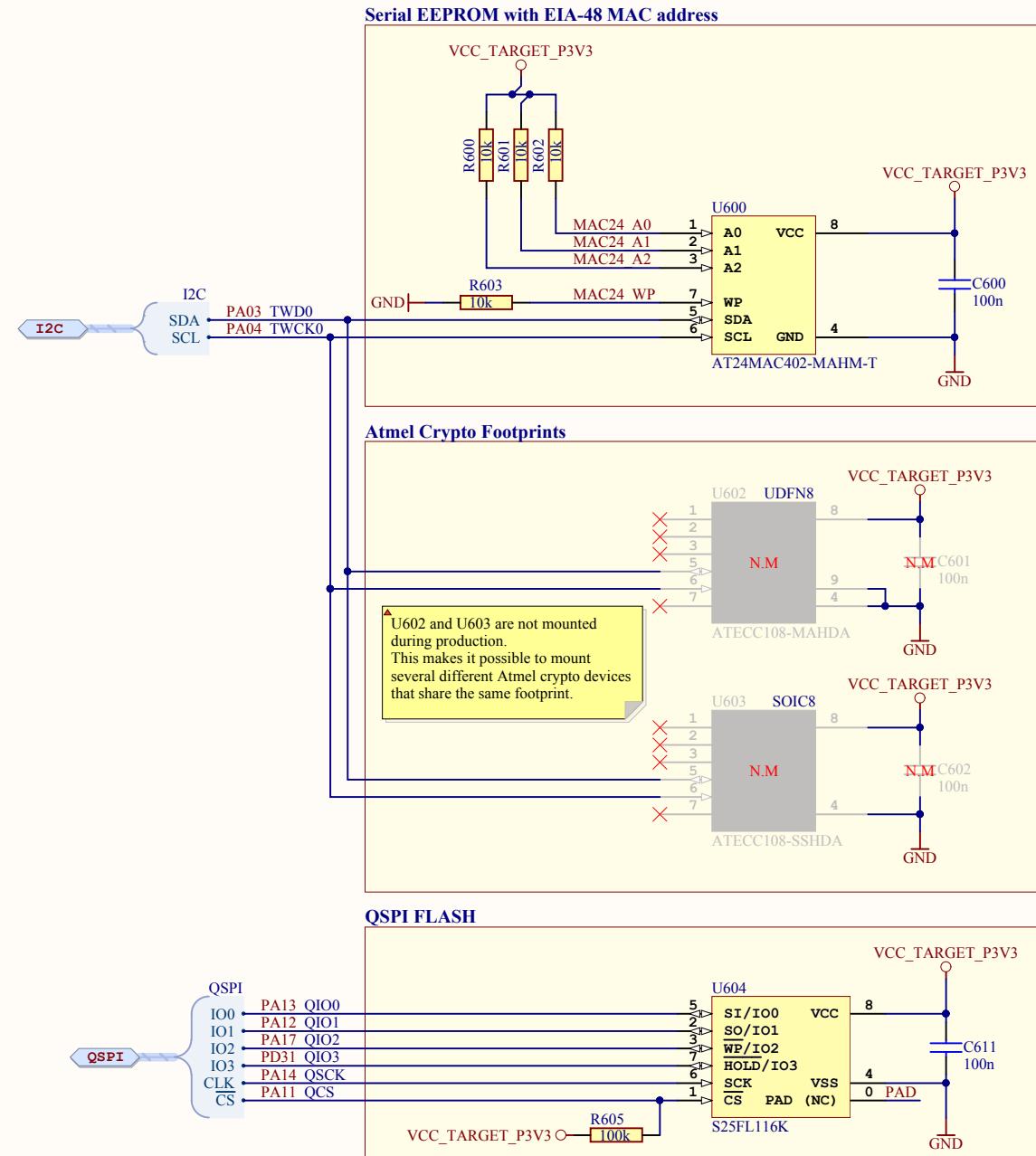
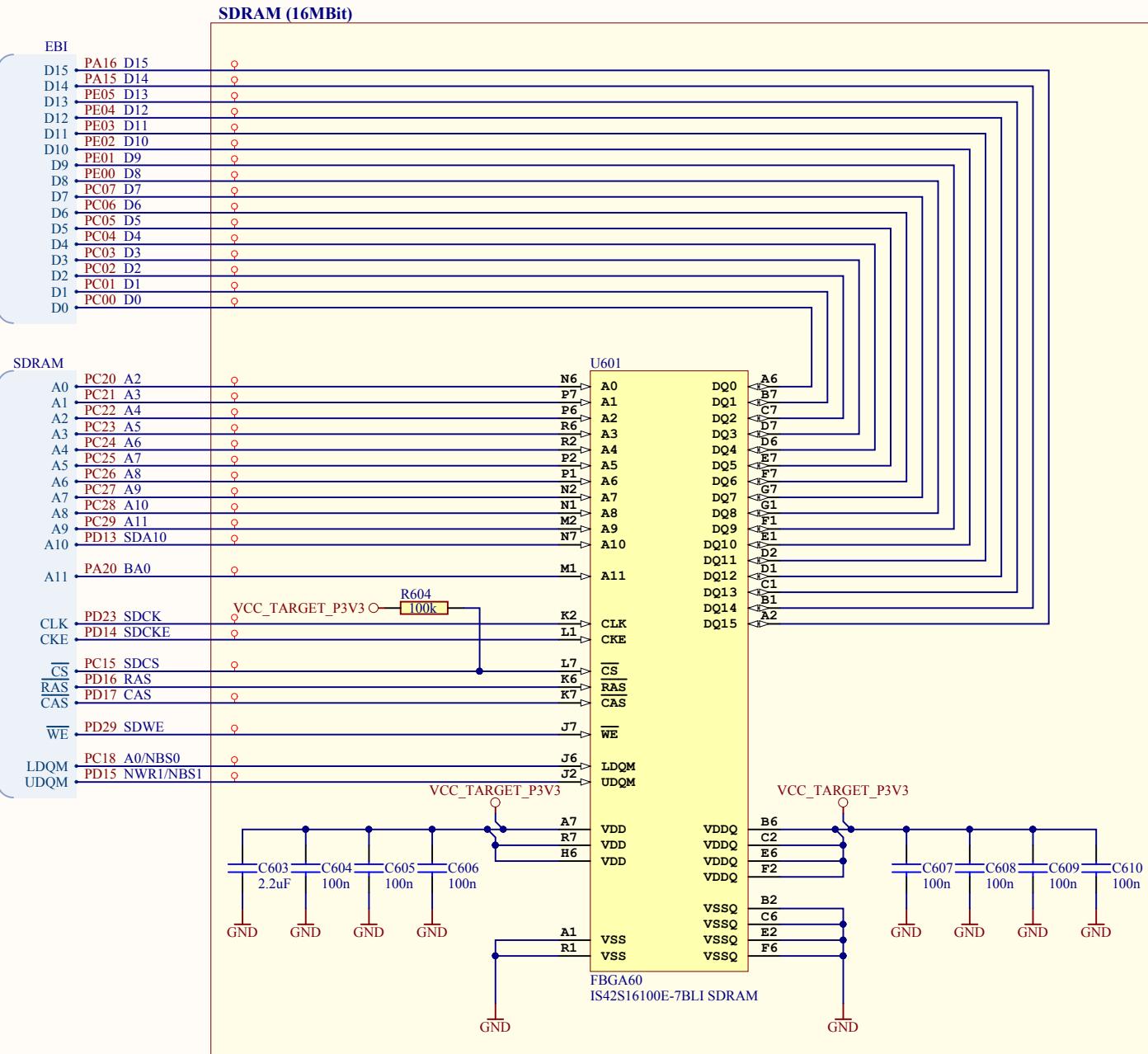
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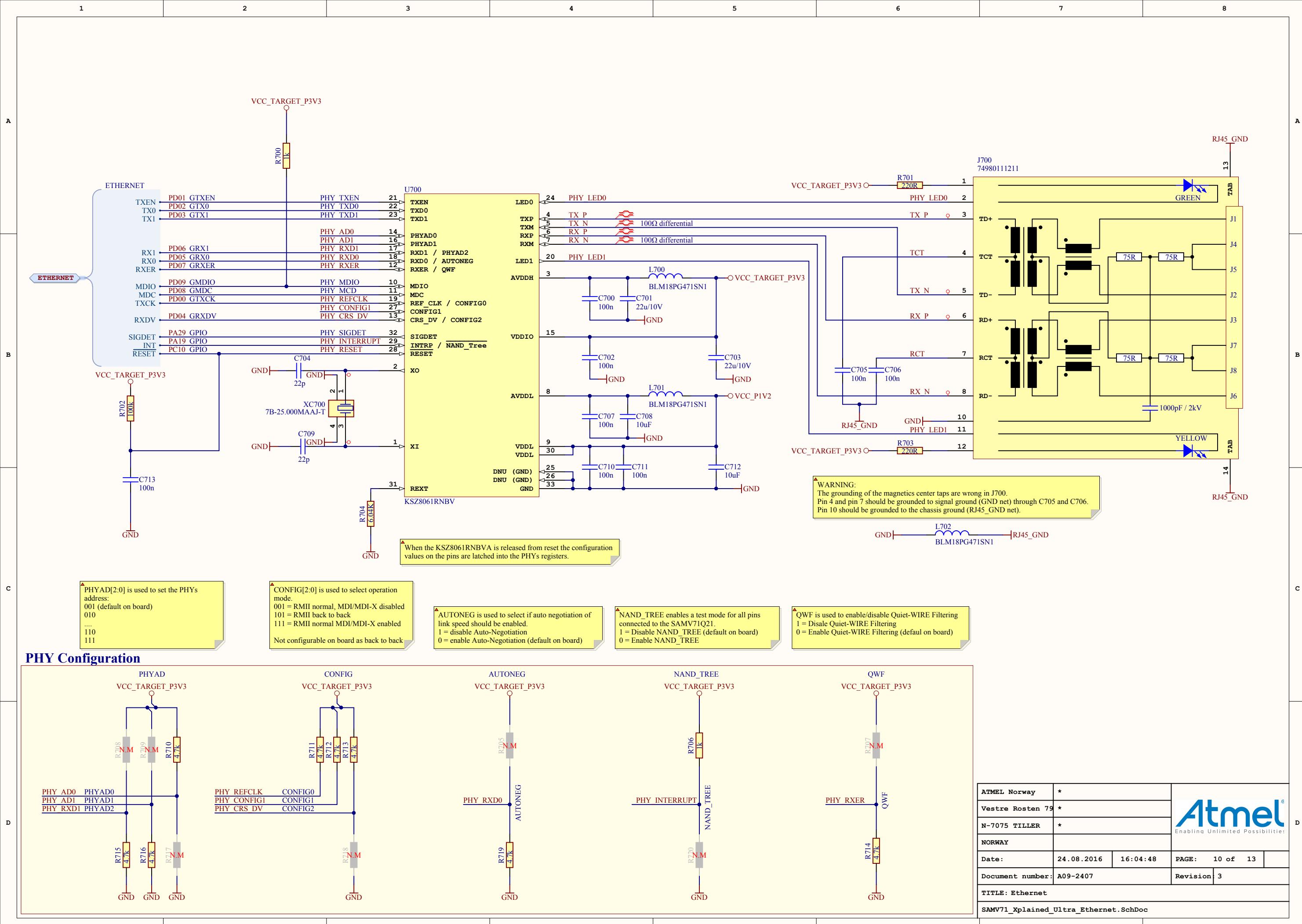
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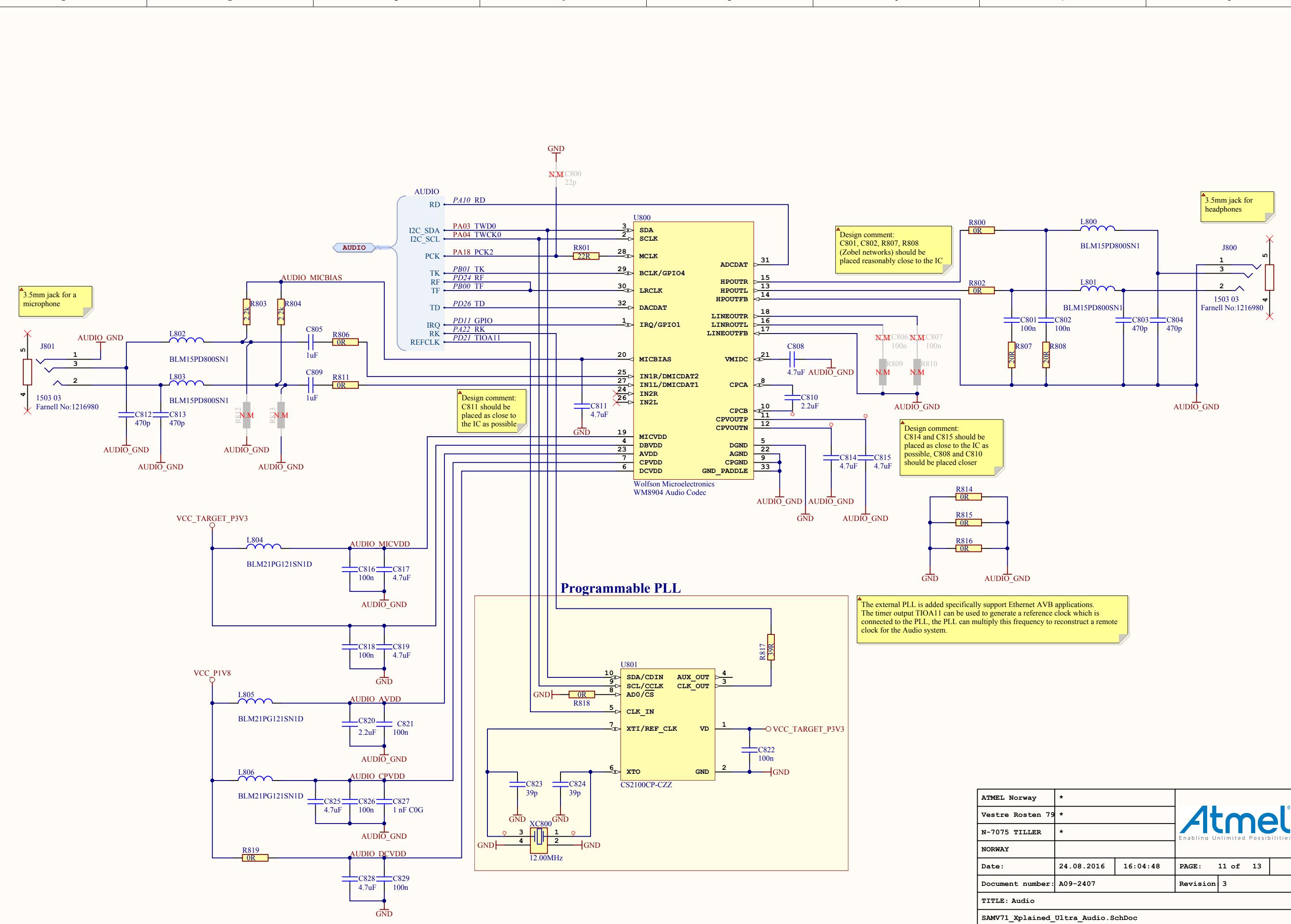
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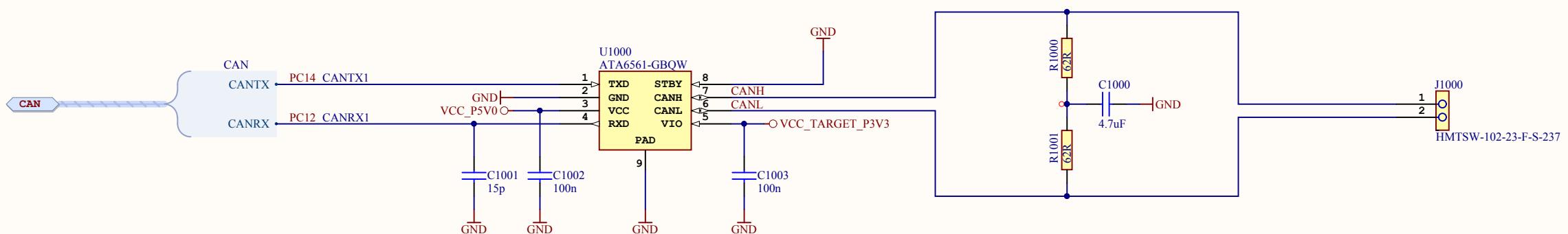




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Enabling Unlimited Possibilities

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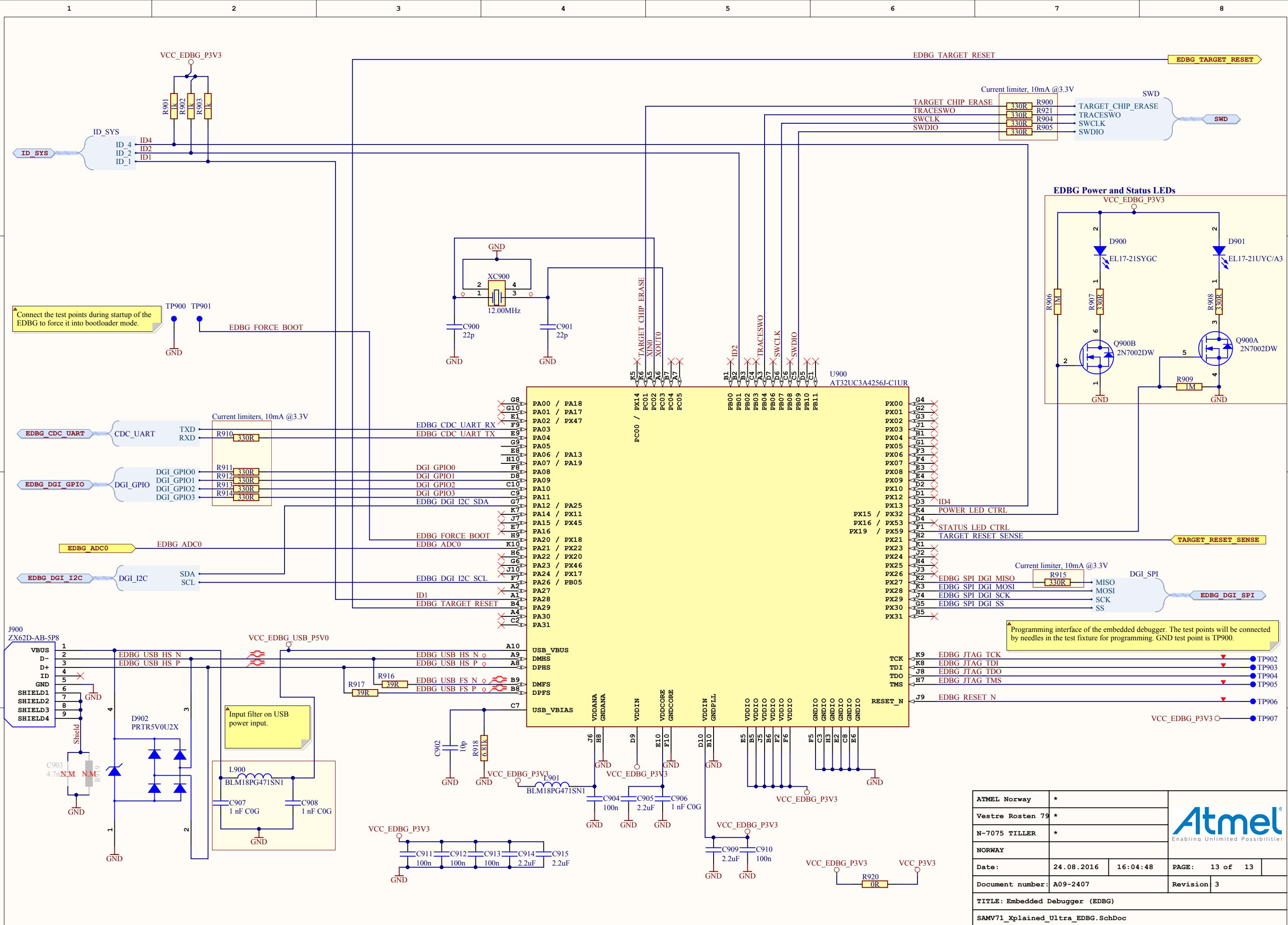


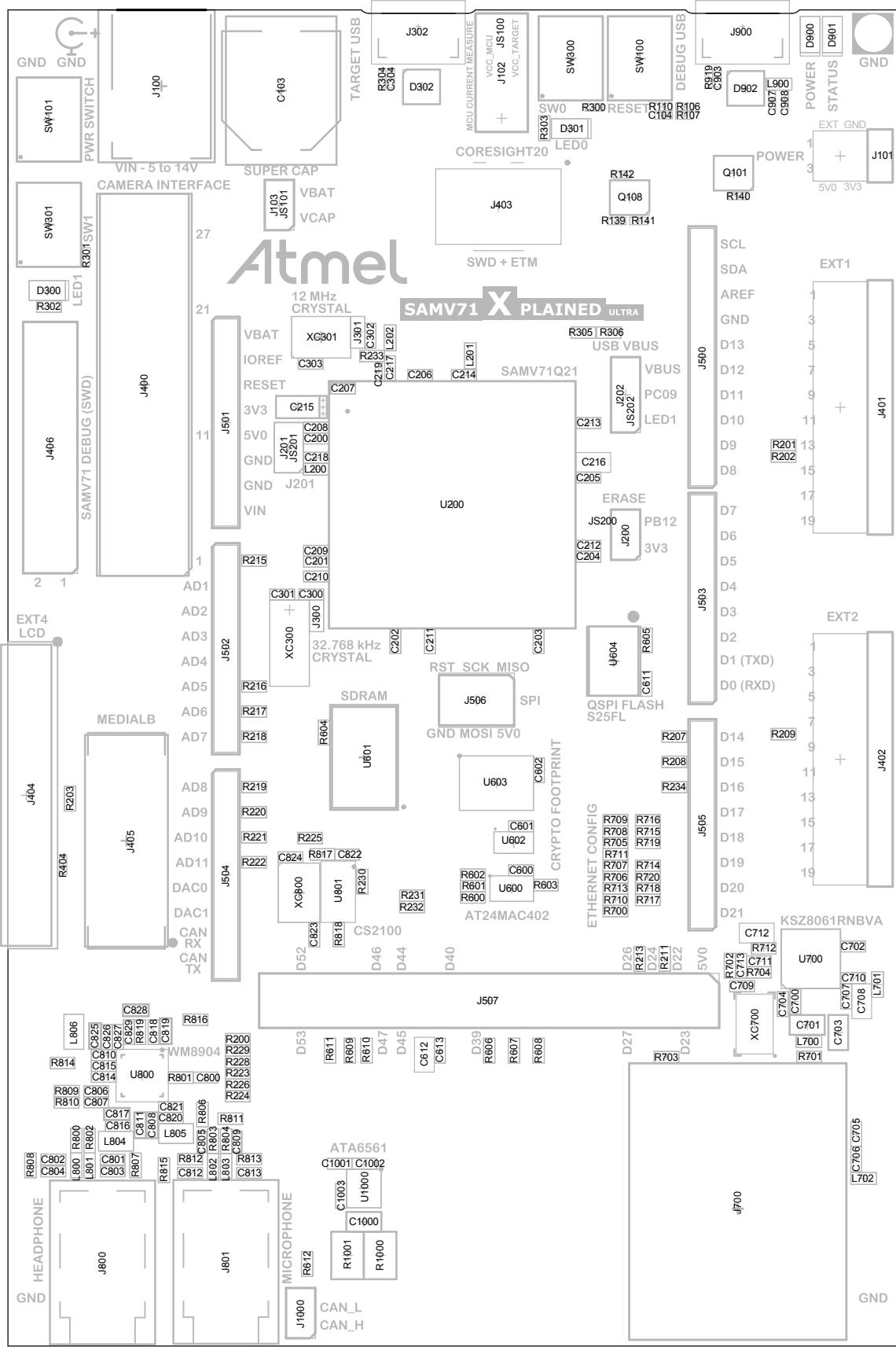
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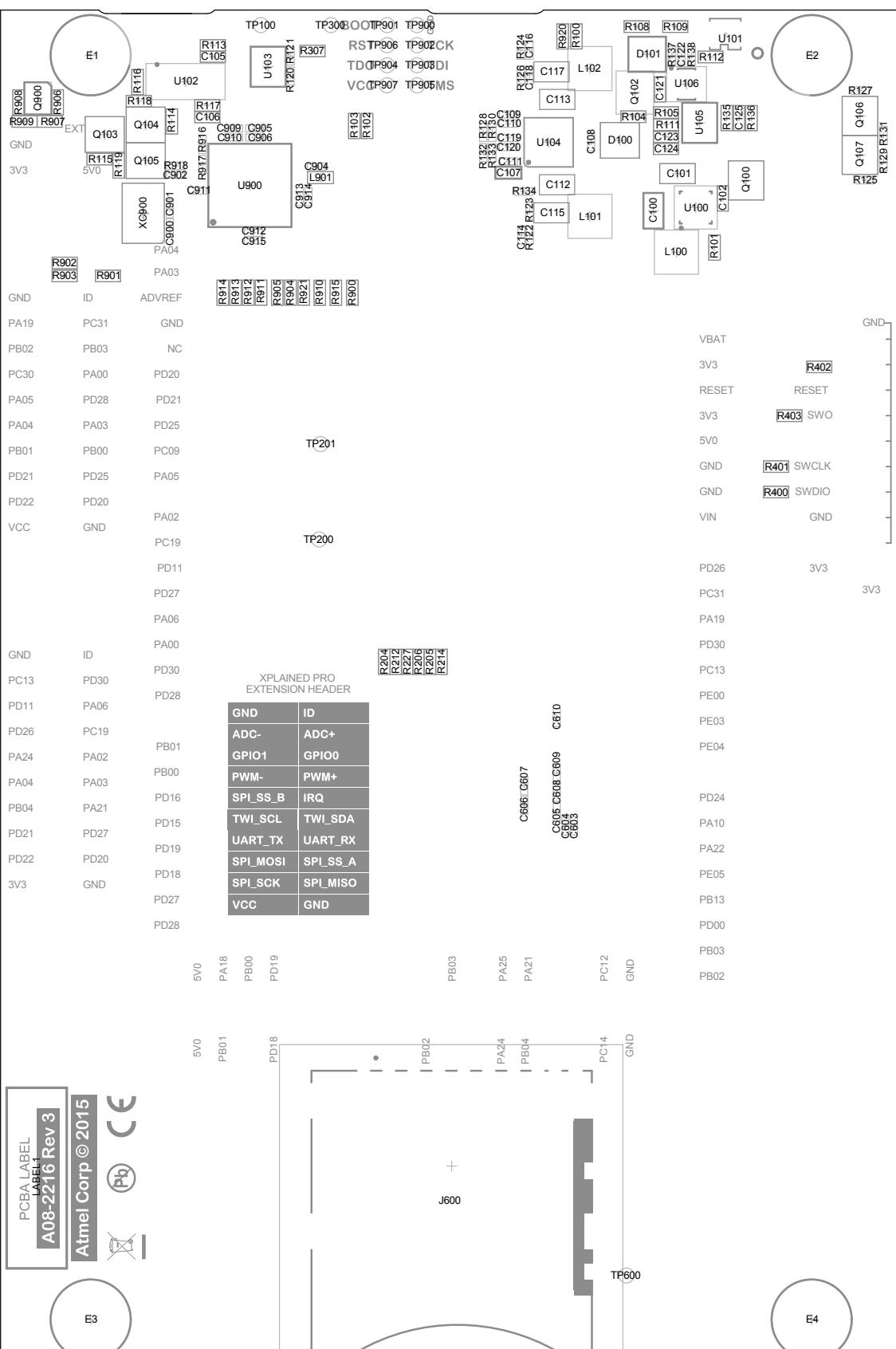
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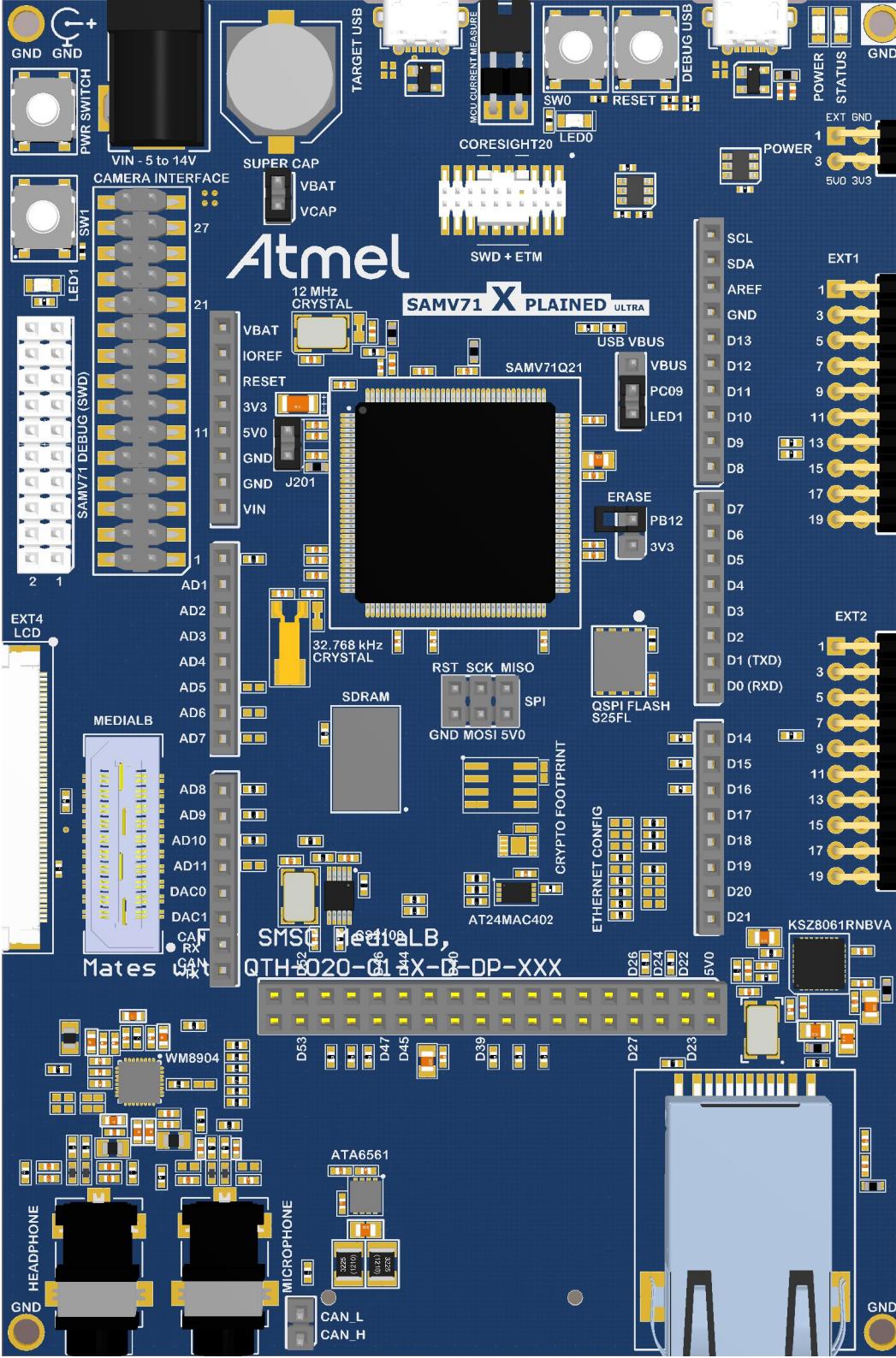
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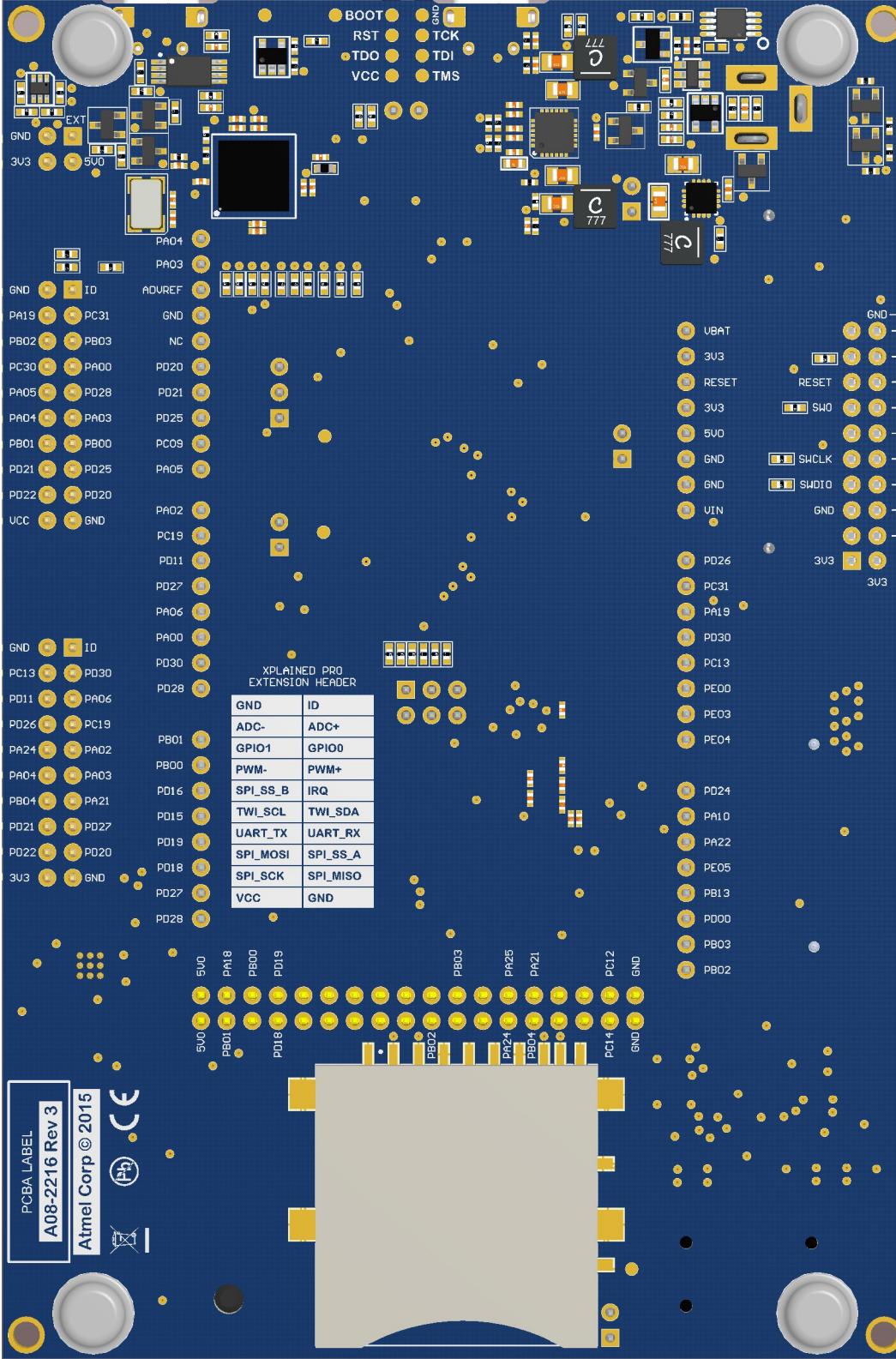
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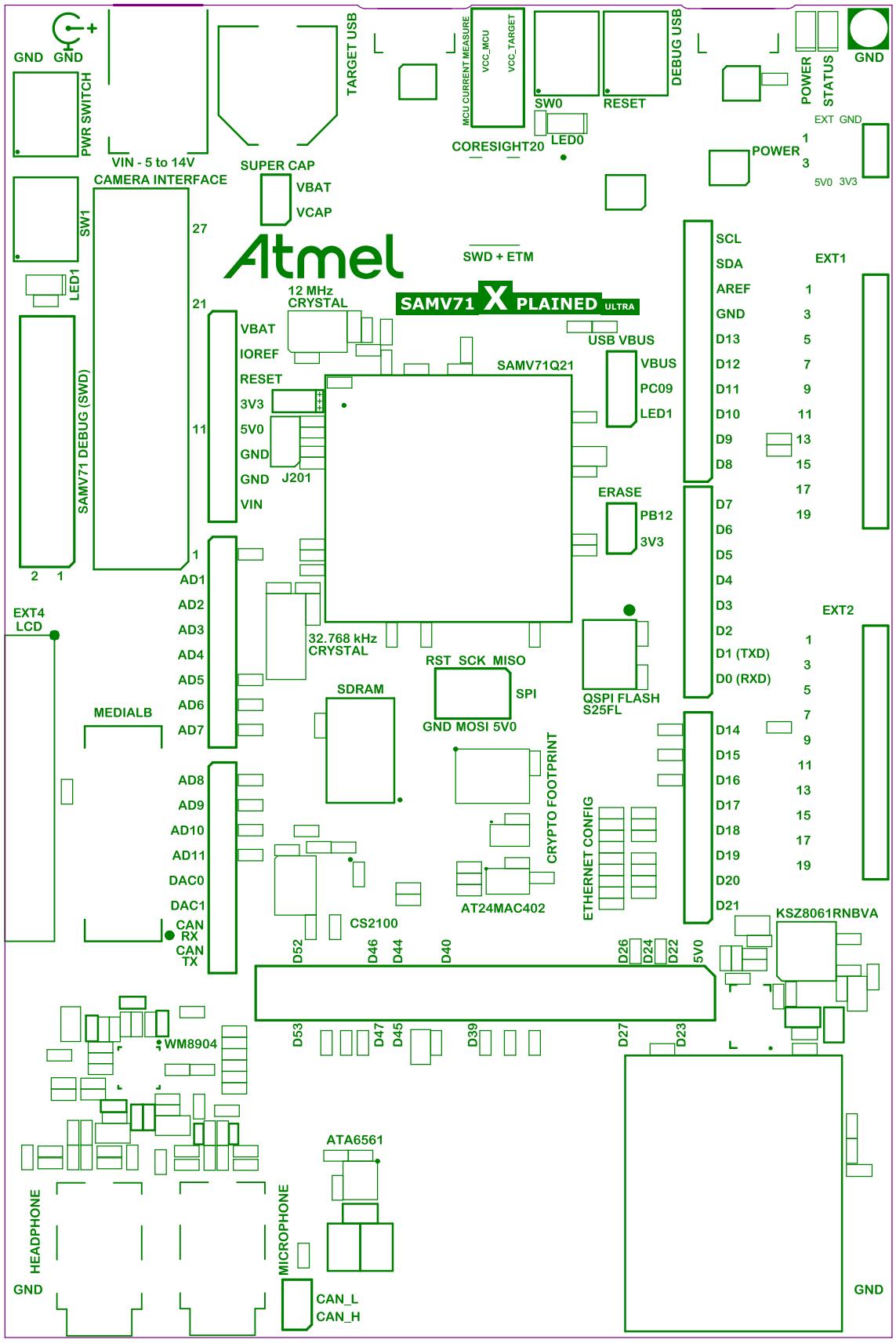


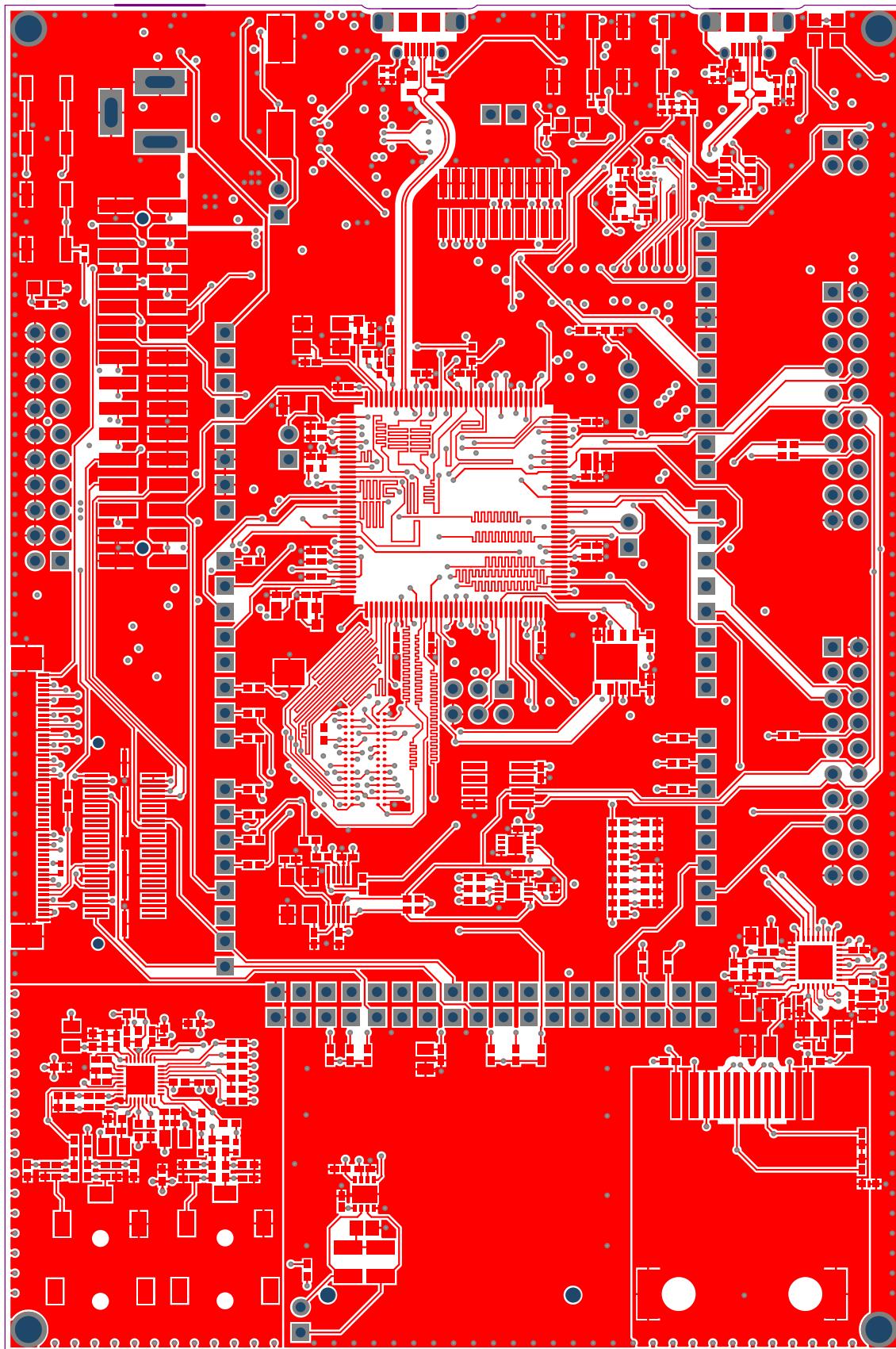


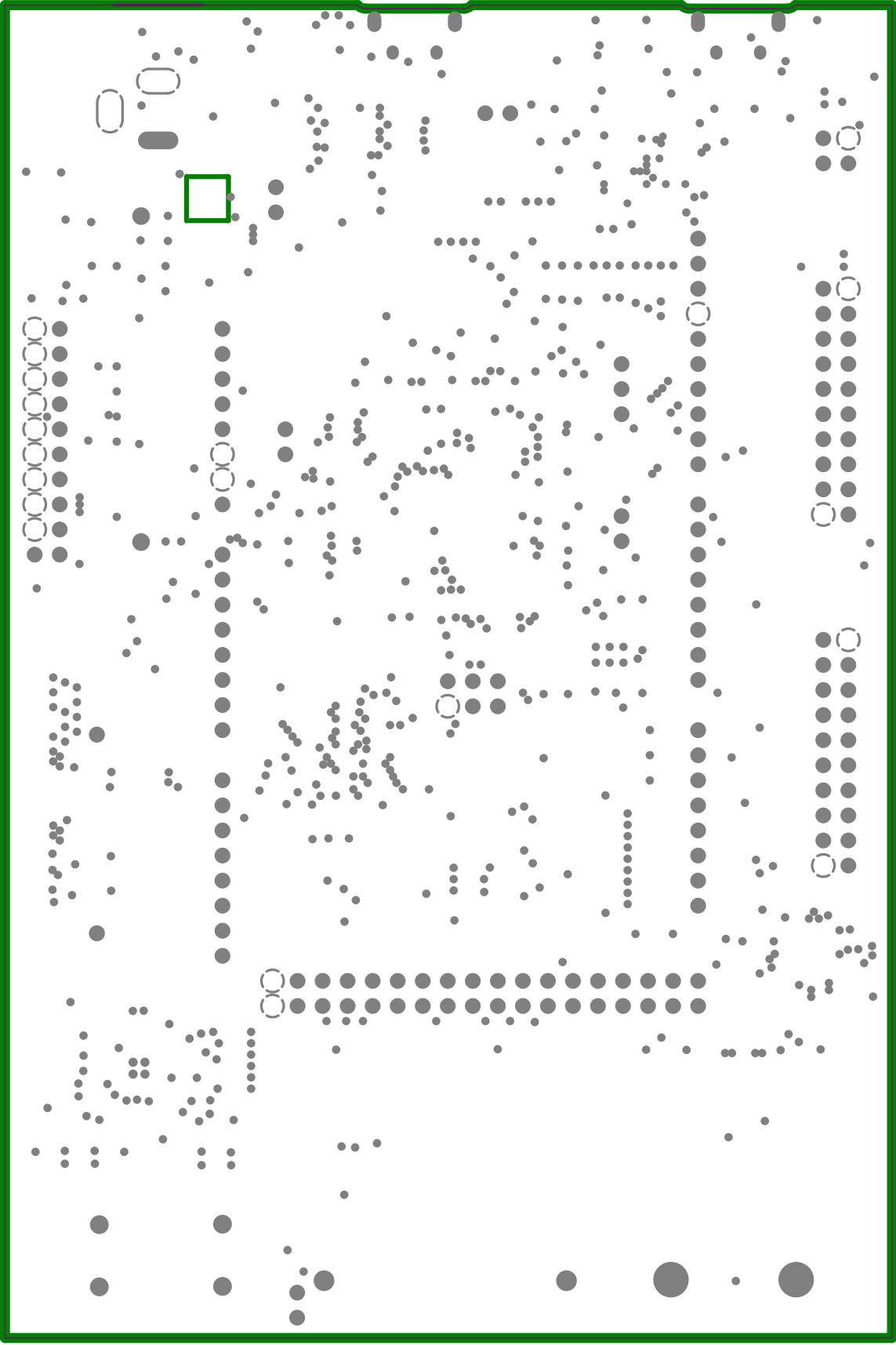


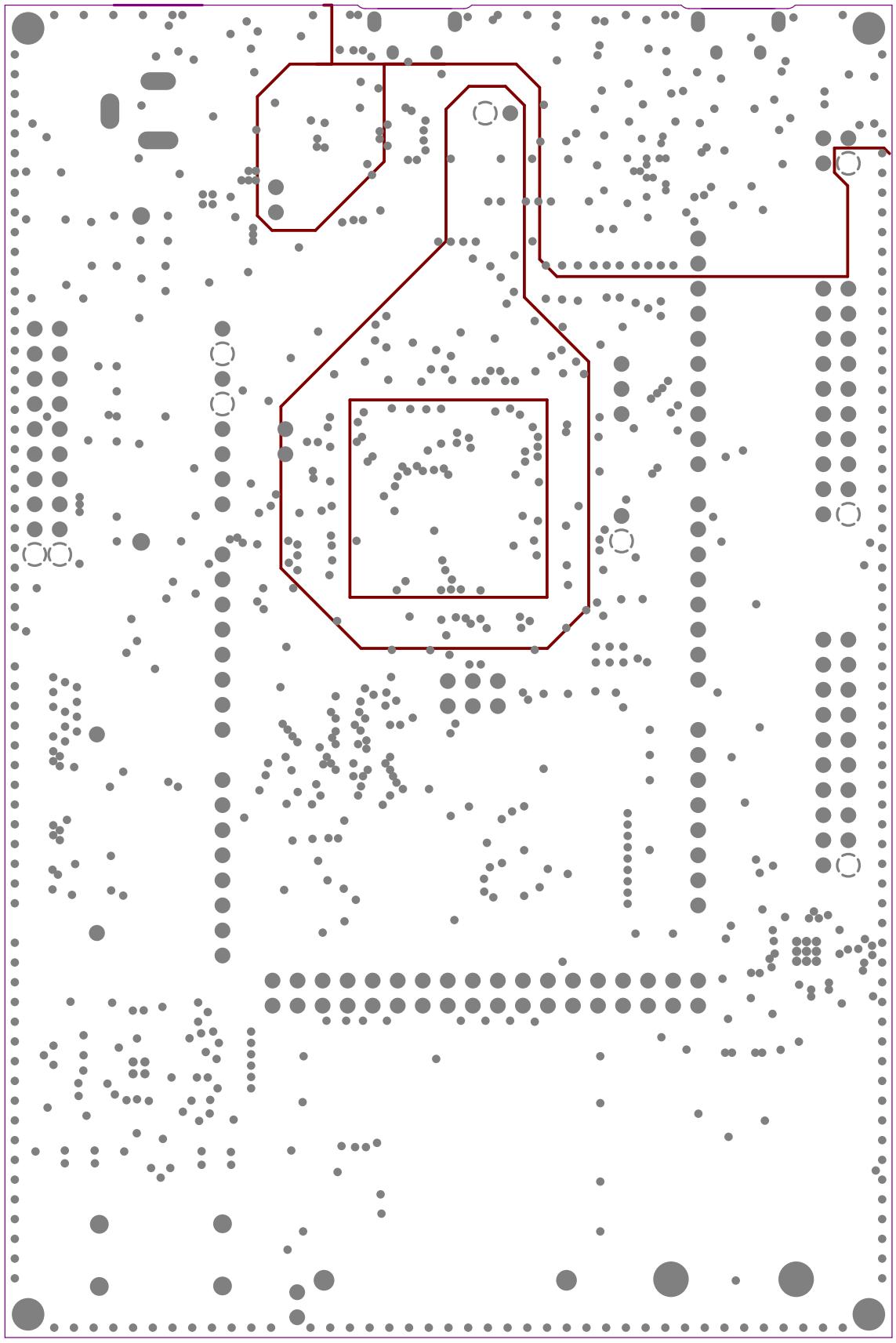


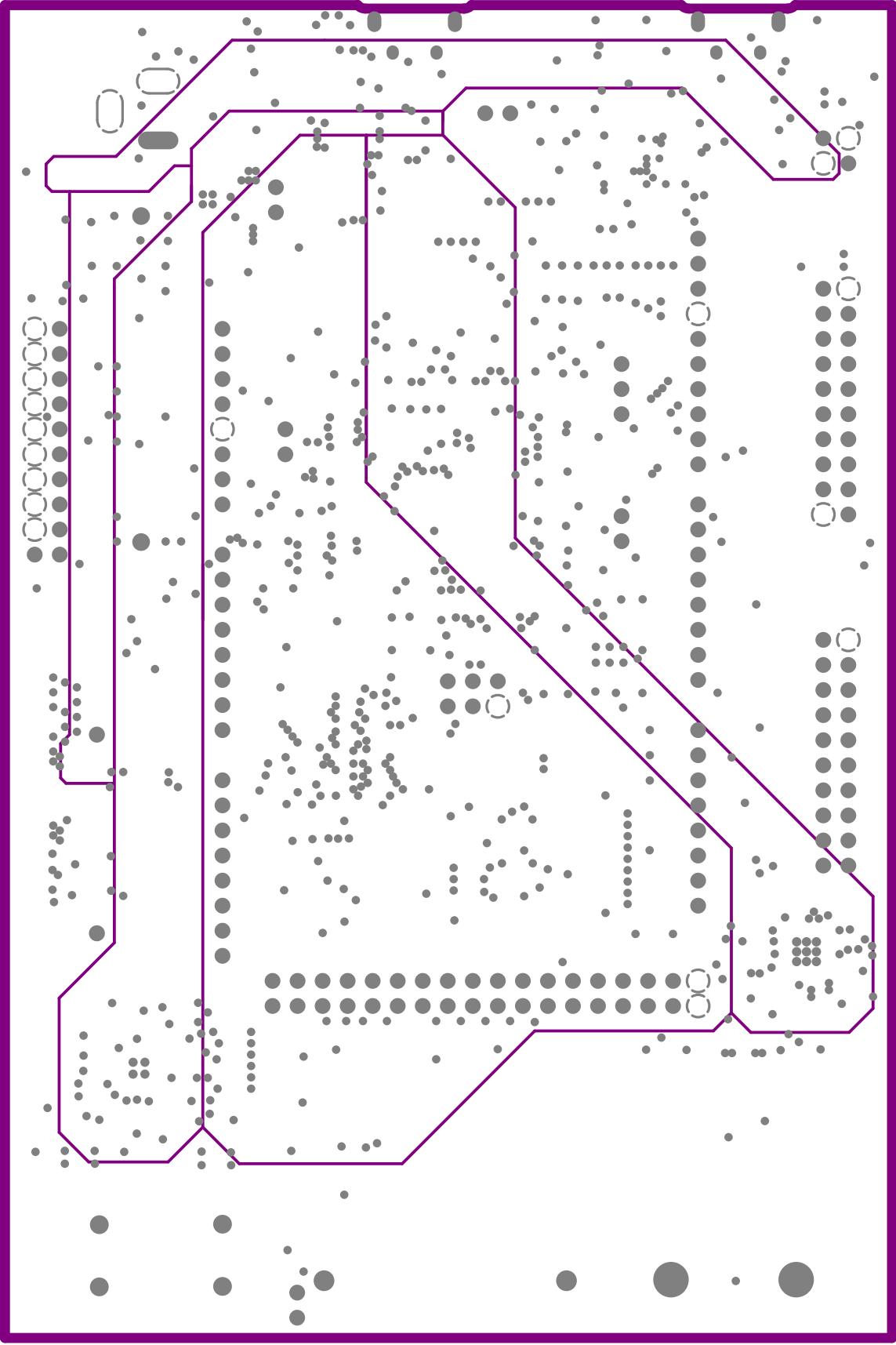


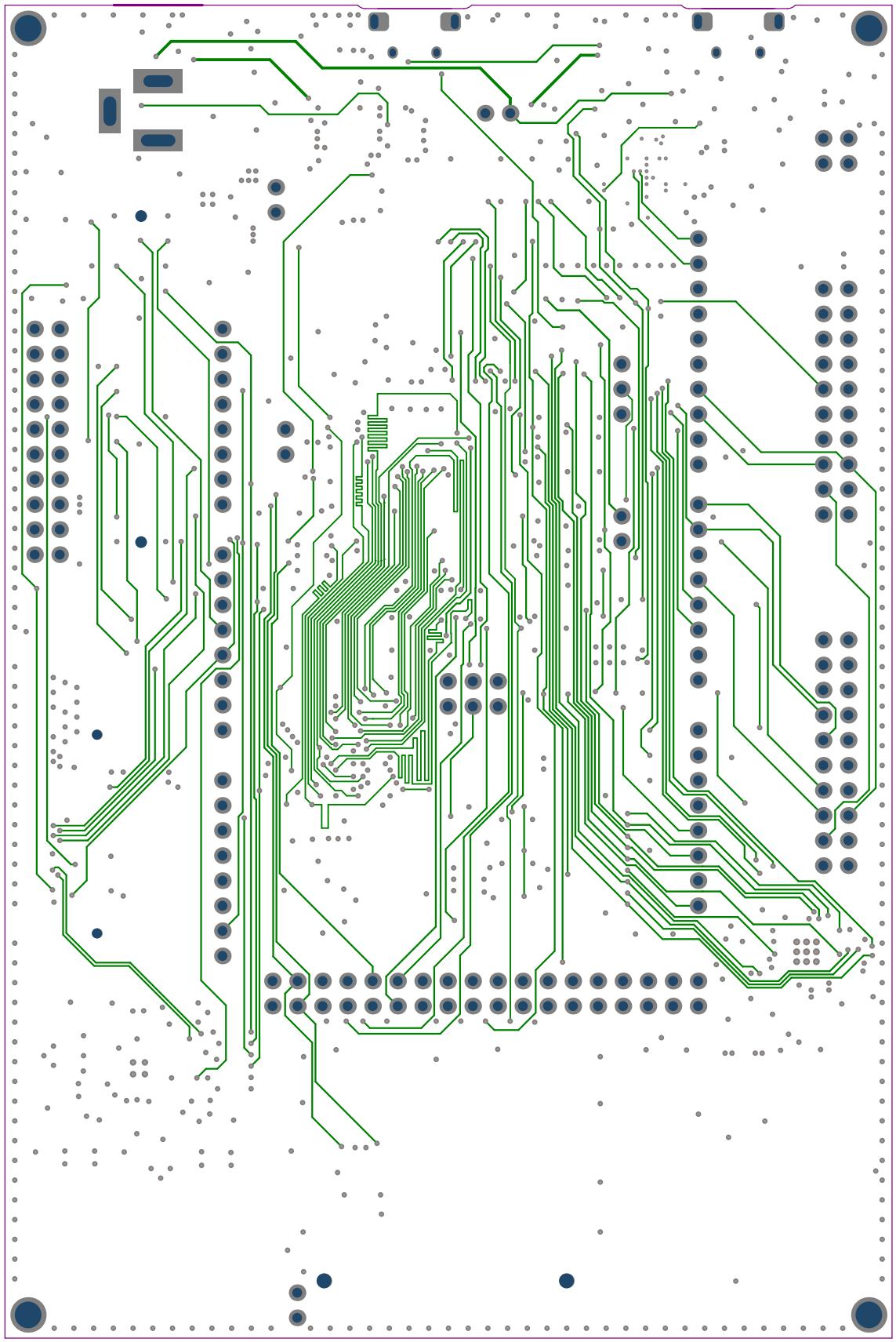


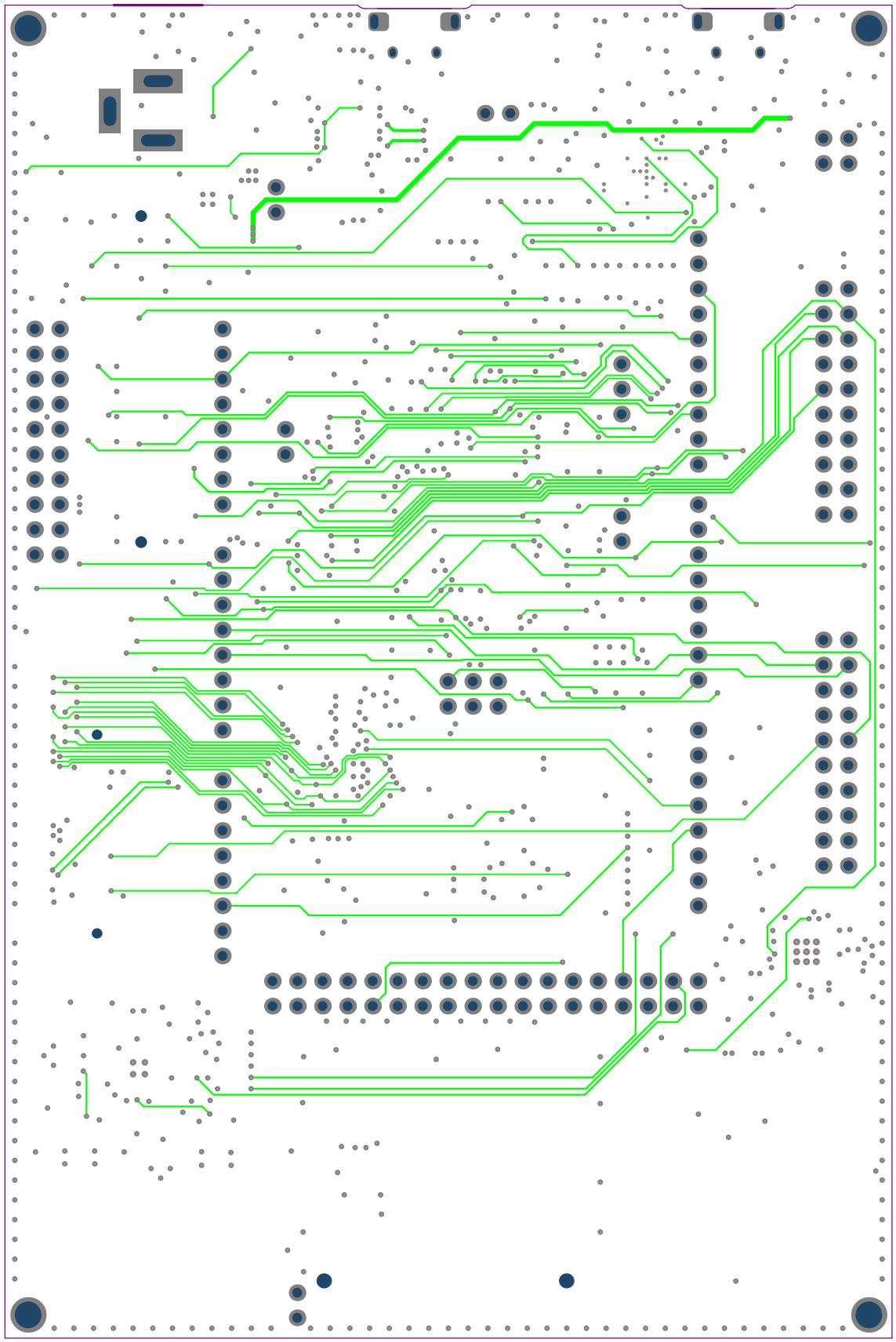


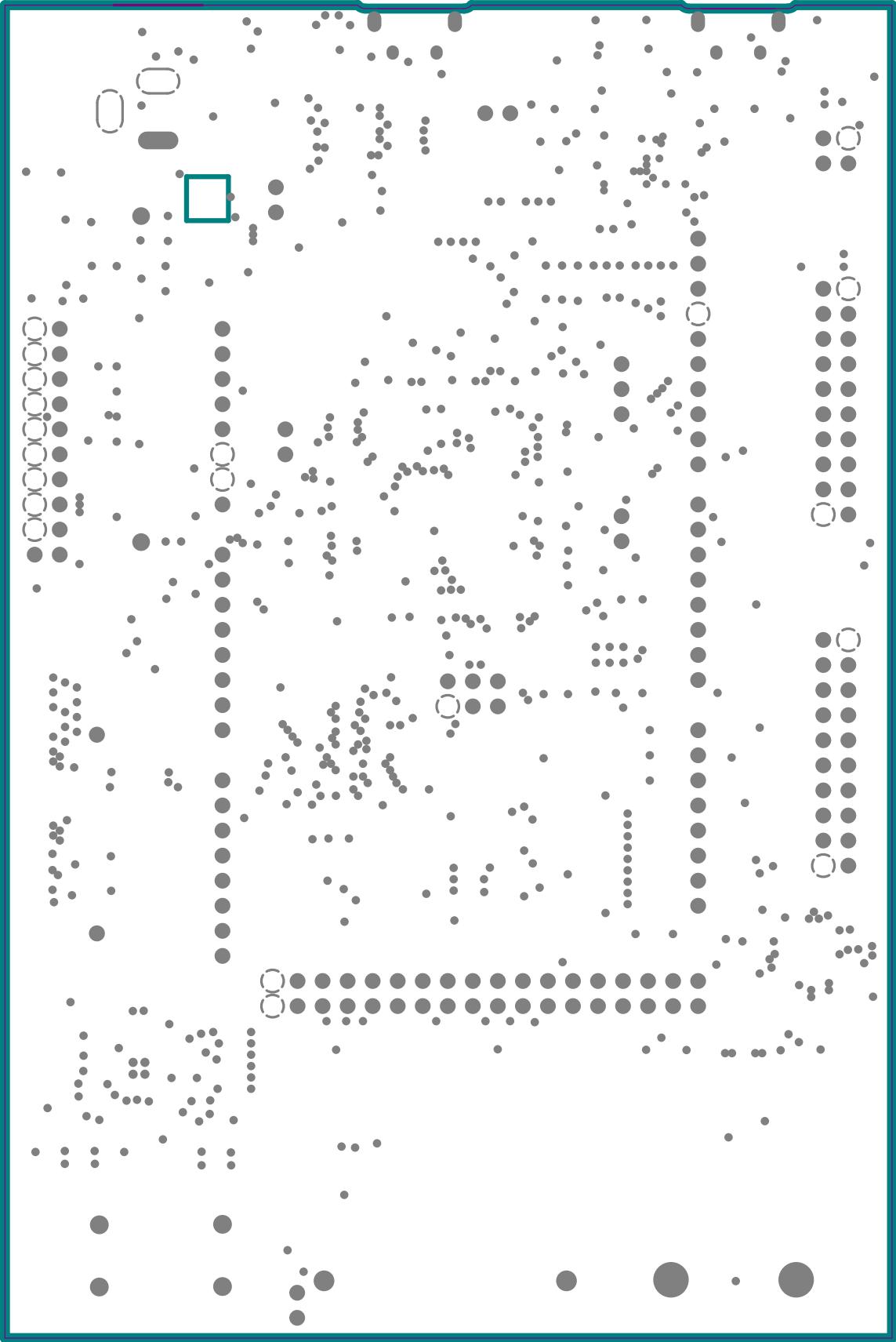


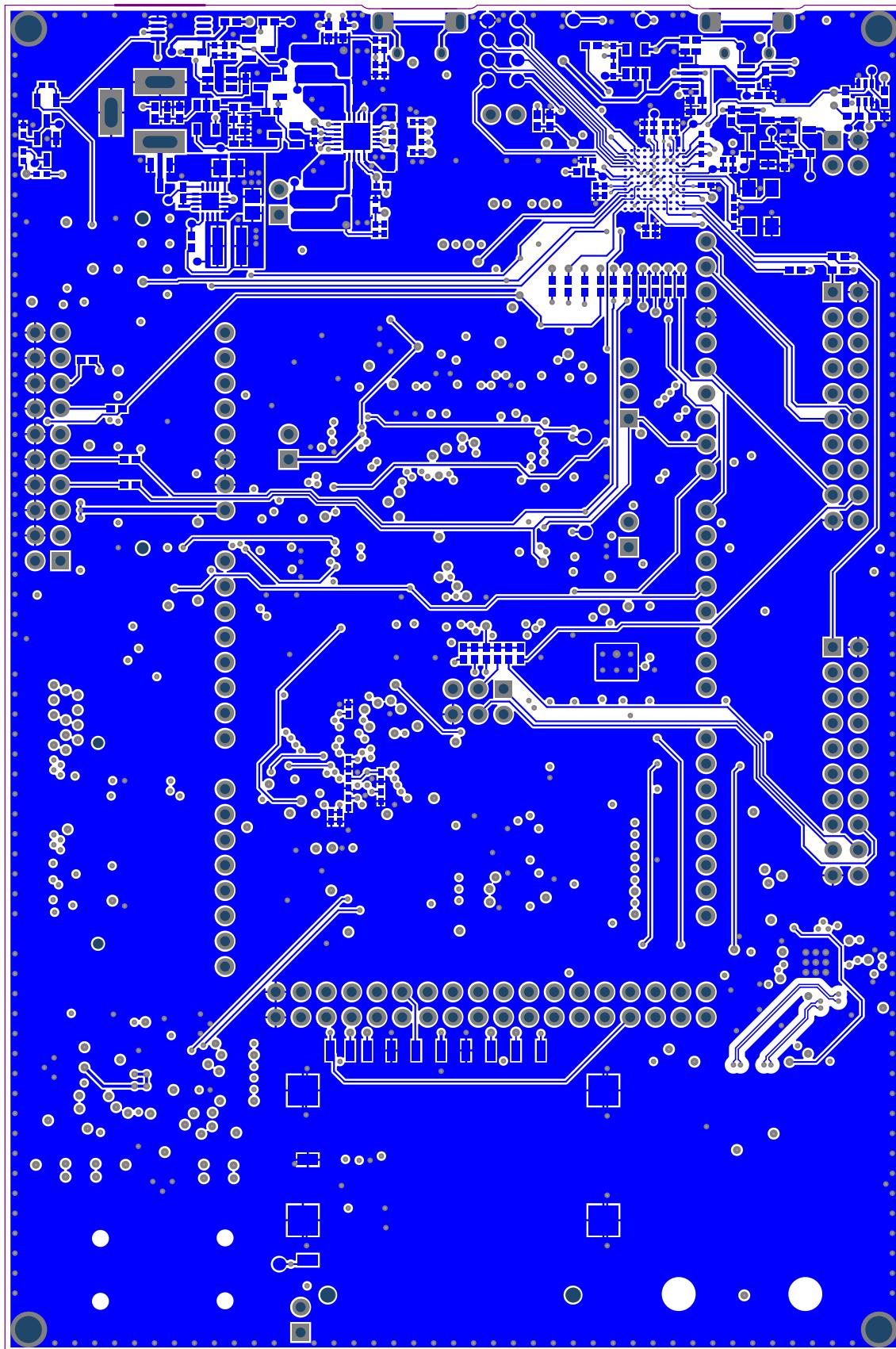


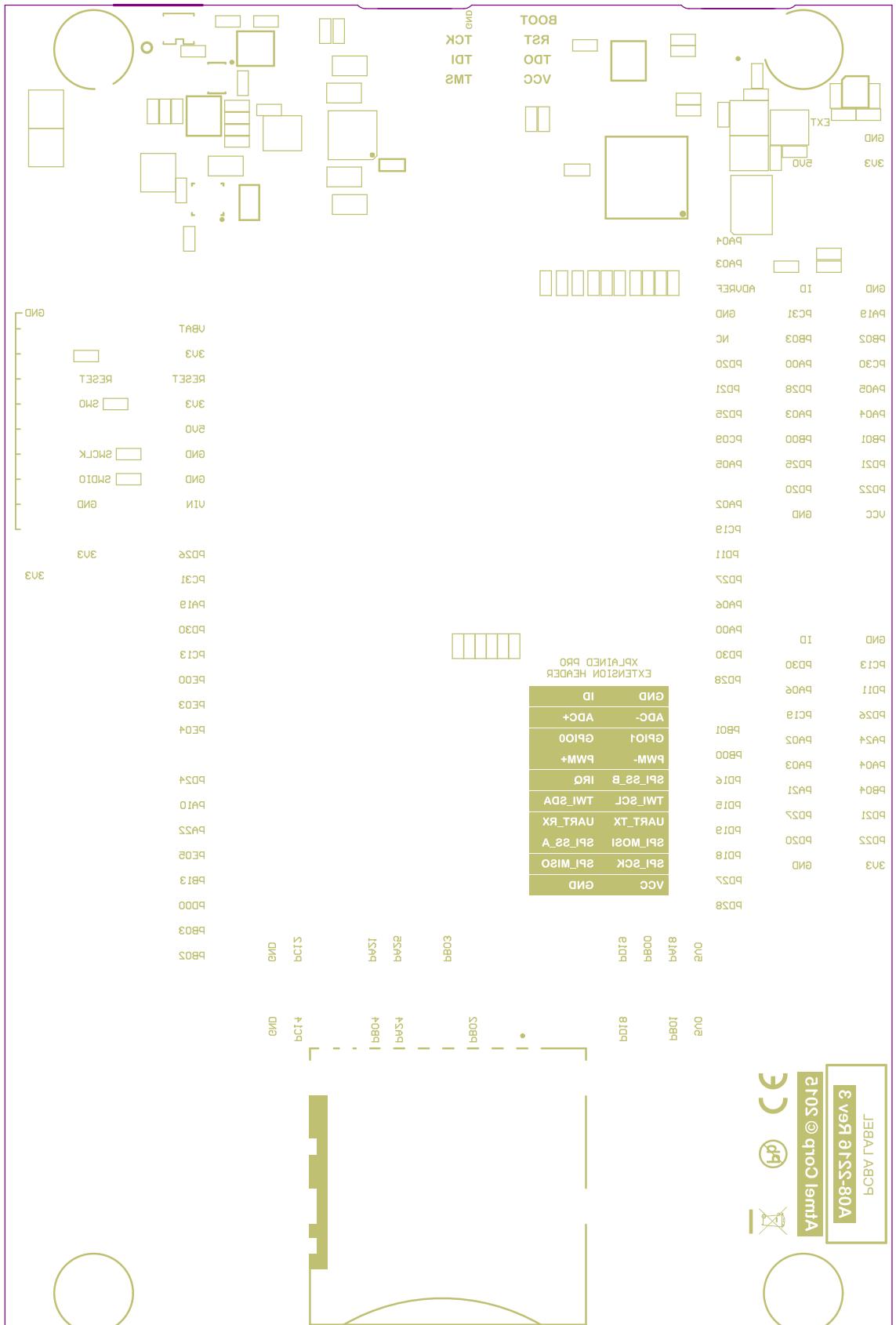












Component list

Top Level Schematics

Source Data From:					
Project:	SAMV71_Xpanded_Ultra.PrjPCB				
Variant:	Default assembly				
<hr/>					
Report Date: 24.08.2016 16:05:30					
Print Date: 24.08.2016 16:05:24					
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Part	Description	Quantity	Value	Manufacturer	MPN	Part Description
Filter	C100, C701, C703	3	220nF	Kemet	C20120RA1226R0.05	Ceramic capacitor, SMD 0805, KSR, 10V, Axial70%, Ceramic capacitor, SMD 0805, KSR, 10V, zAxial70%, Ceramic capacitor, SMD 0805, XSR, 10V, +z10%
Filter	C1000	1	4.7uF	Murata	GRM188R16A75KA12L	Ceramic capacitor, SMD 0805, XSR, 10V, +z10%
Filter	C101	1	4.7nF	Murata	GRM188R16E100KA1	Ceramic capacitor, SMD 0805, XSR, 10V, +z10%
Filter	C102	1	3.3n	Murata	GRM188R16E200KA1	Ceramic capacitor, SMD 0805, XSR, 10V, +z10%
Filter	C103	1	100nF	Kemet	FO2H042ZBR024	Electric Double Layer (Super capacitor), 100nF, SMD, 10.5mm diameter, 25d ESR
Filter	C104	1	10n			Ceramic capacitor, SMD 0805, XSR, 10V, +z10%
Filter	C105, C106, C107, C108, C109, C110, C111, C103, C055, C056, C057, C058, C059, C060, C061, C062, C063, C064, C065, C066, C067, C068, C069, C070, C071, C072, C073, C076, C077, C10, C11, C111, C161, C162, C163, C164, C165, C166, C167, C168, C169, C170, C171, C172	43	100n	Kemet	C0402C104K49A0CTU	Ceramic capacitor, SMD 0402, XSR, 10V, +z10%
Filter	C108, C109, C110, C111, C083, C085, C086, C087, C088, C089, C090, C091, C092, C093, C094, C095, C096, C097, C098, C099, C090, C098	9	2.2uF	Kemet	C0402C225MBP0C	Ceramic capacitor, SMD 0402, XSR, 10V, +z10%
Filter	C112, C113, C114, C117, C126, G912, C176, C177, C178, C179, C180, C181, C182, C183, C184, C185, C186, C187, C188, C189, C190, C191, C192, C193	8	10uF	Murata	GRM188R16A100KA12L	Ceramic capacitor, SMD 0805, XSR, 10V, 10%, (de19441), Ceramic capacitor, SMD 0805, XSR, 10V, 10%, (de19441)
Filter	C114	1	6.8p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C115	1	6.8p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C116	1	22p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C119, C120	2	1uF	AVX	0402ZC105KA12A	Ceramic capacitor, SMD 0402, XTR, 10V, +z10%
Filter	C122, C084, C085, C086, C087, C088, C089, C090, C091, C092, C093, C094, C095, C096, C097, C098, C099, C090, C098	13	100n	Kemet	C0402C104K49A0CTU	Ceramic capacitor, SMD 0402, XTR, 10V, +z10%
Filter	C123, C1901	2	15p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C125	1	2.2uF	Kemet	T494A225P010A/T	Ceramic capacitor, SMD 0402, XSR, 10V, +z10%
Filter	C126, C127	2	4.7p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C128, C129	2	4.7p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C130, C131	2	12p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C134, C170	2	22p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C183, C184, C185, C183	4	470p			Ceramic capacitor, SMD 0402, XTR, 10V, +z10%
Filter	C184	1	4.7p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C185	1	2.2uF	Kemet	0402ZC105KA12A	Ceramic capacitor, SMD 0402, XTR, 10V, +z10%
Filter	C186, C187	2	4.7uF	Murata	GRM188R16A100KA12L	Ceramic capacitor, SMD 0805, XSR, 10V, 10%, (de19441), Ceramic capacitor, SMD 0805, XSR, 10V, 10%, (de19441), Ceramic capacitor, SMD 0805, XSR, 10V, 10%, (de19441), Ceramic capacitor, SMD 0805, XSR, 10V, 10%, (de19441)
Filter	C187	1	6.8p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C188	1	6.8p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C189	1	22p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C190, C191, C192, C193	3	1uF	AVX	0402ZC105KA12A	Ceramic capacitor, SMD 0402, XTR, 10V, +z10%
Filter	C191, C192	1	2.2uF	Kemet	C0402ZC105MBP0C	Ceramic capacitor, SMD 0402, XSR, 10V, +z10%
Filter	C194, C195	2	4.7uF	Murata	GRM156R040A75MBP07D	Ceramic capacitor, SMD 0805, XSR, 10V, 10%, (de19441), Ceramic capacitor, SMD 0805, XSR, 10V, 10%, (de19441)
Filter	C195	1	3p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C196, C197	2	22p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C197	1	22p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C198, C199, C199, C200	3	1uF	AVX	0402ZC105KA12A	Ceramic capacitor, SMD 0402, XTR, 10V, +z10%
Filter	C212, C213	2	15p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C215	1	2.2uF	Kemet	T494A225P010A/T	Ceramic capacitor, SMD 0402, XSR, 10V, +z10%
Filter	C216, C217	2	4.7p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C217, C218	2	4.7p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C218	1	12p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C219	1	22p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C220, C221	2	4.7p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C221, C222	2	12p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C222	1	22p			Ceramic capacitor, SMD 0402, NPO, 50V, +z5%
Filter	C223, C224, C225, C226, C227, C228, C229, C230, C231, C232, C233, C234, C235, C236, C237, C238, C239, C240, C241, R402, R403, R404, R405, R406, R407, R408, R409, R410, R411, R412, R413, R414, R415, R416, R417, R418, R419, R502	37	9R	(mla)	RMC0402ZC105MBP0C	Banmer 100A 9.1V 10% 0.1A 1000pF 2.5uH 3.0uH 5.0uH 10.0uH 20.0uH 30.0uH 40.0uH 50.0uH 60.0uH 70.0uH 80.0uH 90.0uH 100.0uH 110.0uH 120.0uH 130.0uH 140.0uH 150.0uH 160.0uH 170.0uH 180.0uH 190.0uH 200.0uH 210.0uH 220.0uH 230.0uH 240.0uH 250.0uH 260.0uH 270.0uH 280.0uH 290.0uH 300.0uH 310.0uH 320.0uH 330.0uH 340.0uH 350.0uH 360.0uH 370.0uH 380.0uH 390.0uH 400.0uH 410.0uH 420.0uH 430.0uH 440.0uH 450.0uH 460.0uH 470.0uH 480.0uH 490.0uH 500.0uH 510.0uH 520.0uH 530.0uH 540.0uH 550.0uH 560.0uH 570.0uH 580.0uH 590.0uH 600.0uH 610.0uH 620.0uH 630.0uH 640.0uH 650.0uH 660.0uH 670.0uH 680.0uH 690.0uH 700.0uH 710.0uH 720.0uH 730.0uH 740.0uH 750.0uH 760.0uH 770.0uH 780.0uH 790.0uH 800.0uH 810.0uH 820.0uH 830.0uH 840.0uH 850.0uH 860.0uH 870.0uH 880.0uH 890.0uH 900.0uH 910.0uH 920.0uH 930.0uH 940.0uH 950.0uH 960.0uH 970.0uH 980.0uH 990.0uH 1000.0uH 1010.0uH 1020.0uH 1030.0uH 1040.0uH 1050.0uH 1060.0uH 1070.0uH 1080.0uH 1090.0uH 1100.0uH 1110.0uH 1120.0uH 1130.0uH 1140.0uH 1150.0uH 1160.0uH 1170.0uH 1180.0uH 1190.0uH 1200.0uH 1210.0uH 1220.0uH 1230.0uH 1240.0uH 1250.0uH 1260.0uH 1270.0uH 1280.0uH 1290.0uH 1300.0uH 1310.0uH 1320.0uH 1330.0uH 1340.0uH 1350.0uH 1360.0uH 1370.0uH 1380.0uH 1390.0uH 1400.0uH 1410.0uH 1420.0uH 1430.0uH 1440.0uH 1450.0uH 1460.0uH 1470.0uH 1480.0uH 1490.0uH 1500.0uH 1510.0uH 1520.0uH 1530.0uH 1540.0uH 1550.0uH 1560.0uH 1570.0uH 1580.0uH 1590.0uH 1600.0uH 1610.0uH 1620.0uH 1630.0uH 1640.0uH 1650.0uH 1660.0uH 1670.0uH 1680.0uH 1690.0uH 1700.0uH 1710.0uH 1720.0uH 1730.0uH 1740.0uH 1750.0uH 1760.0uH 1770.0uH 1780.0uH 1790.0uH 1800.0uH 1810.0uH 1820.0uH 1830.0uH 1840.0uH 1850.0uH 1860.0uH 1870.0uH 1880.0uH 1890.0uH 1900.0uH 1910.0uH 1920.0uH 1930.0uH 1940.0uH 1950.0uH 1960.0uH 1970.0uH 1980.0uH 1990.0uH 2000.0uH 2010.0uH 2020.0uH 2030.0uH 2040.0uH 2050.0uH 2060.0uH 2070.0uH 2080.0uH 2090.0uH 2100.0uH 2110.0uH 2120.0uH 2130.0uH 2140.0uH 2150.0uH 2160.0uH 2170.0uH 2180.0uH 2190.0uH 2200.0uH 2210.0uH 2220.0uH 2230.0uH 2240.0uH 2250.0uH 2260.0uH 2270.0uH 2280.0uH 2290.0uH 2300.0uH 2310.0uH 2320.0uH 2330.0uH 2340.0uH 2350.0uH 2360.0uH 2370.0uH 2380.0uH 2390.0uH 2400.0uH 2410.0uH 2420.0uH 2430.0uH 2440.0uH 2450.0uH 2460.0uH 2470.0uH 2480.0uH 2490.0uH 2500.0uH 2510.0uH 2520.0uH 2530.0uH 2540.0uH 2550.0uH 2560.0uH 2570.0uH 2580.0uH 2590.0uH 2600.0uH 2610.0uH 2620.0uH 2630.0uH 2640.0uH 2650.0uH 2660.0uH 2670.0uH 2680.0uH 2690.0uH 2700.0uH 2710.0uH 2720.0uH 2730.0uH 2740.0uH 2750.0uH 2760.0uH 2770.0uH 2780.0uH 2790.0uH 2800.0uH 2810.0uH 2820.0uH 2830.0uH 2840.0uH 2850.0uH 2860.0uH 2870.0uH 2880.0uH 2890.0uH 2900.0uH 2910.0uH 2920.0uH 2930.0uH 2940.0uH 2950.0uH 2960.0uH 2970.0uH 2980.0uH 2990.0uH 3000.0uH 3010.0uH 3020.0uH 3030.0uH 3040.0uH 3050.0uH 3060.0uH 3070.0uH 3080.0uH 3090.0uH 3100.0uH 3110.0uH 3120.0uH 3130.0uH 3140.0uH 3150.0uH 3160.0uH 3170.0uH 3180.0uH 3190.0uH 3200.0uH 3210.0uH 3220.0uH 3230.0uH 3240.0uH 3250.0uH 3260.0uH 3270.0uH 3280.0uH 3290.0uH 3300.0uH 3310.0uH 3320.0uH 3330.0uH 3340.0uH 3350.0uH 3360.0uH 3370.0uH 3380.0uH 3390.0uH 3400.0uH 3410.0uH 3420.0uH 3430.0uH 3440.0uH 3450.0uH 3460.0uH 3470.0uH 3480.0uH 3490.0uH 3500.0uH 3510.0uH 3520.0uH 3530.0uH 3540.0uH 3550.0uH 3560.0uH 3570.0uH 3580.0uH 3590.0uH 3600.0uH 3610.0uH 3620.0uH 3630.0uH 3640.0uH 3650.0uH 3660.0uH 3670.0uH 3680.0uH 3690.0uH 3700.0uH 3710.0uH 3720.0uH 3730.0uH 3740.0uH 3750.0uH 3760.0uH 3770.0uH 3780.0uH 3790.0uH 3800.0uH 3810.0uH 3820.0uH 3830.0uH 3840.0uH 3850.0uH 3860.0uH 3870.0uH 3880.0uH 3890.0uH 3900.0uH 3910.0uH 3920.0uH 3930.0uH 3940.0uH 3950.0uH 3960.0uH 3970.0uH 3980.0uH 3990.0uH 4000.0uH 4010.0uH 4020.0uH 4030.0uH 4040.0uH 4050.0uH 4060.0uH 4070.0uH 4080.0uH 4090.0uH 4100.0uH 4110.0uH 4120.0uH 4130.0uH 4140.0uH 4150.0uH 4160.0uH 4170.0uH 4180.0uH 4190.0uH 4200.0uH 4210.0uH 4220.0uH 4230.0uH 4240.0uH 4250.0uH 4260.0uH 4270.0uH 4280.0uH 4290.0uH 4300.0uH 4310.0uH 4320.0uH 4330.0uH 4340.0uH 4350.0uH 4360.0uH 4370.0uH 4380.0uH 4390.0uH 4400.0uH 4410.0uH 4420.0uH 4430.0uH 4440.0uH 4450.0uH 4460.0uH 4470.0uH 4480.0uH 4490.0uH 4500.0uH 4510.0uH 4520.0uH 4530.0uH 4540.0uH 4550.0uH 4560.0uH 4570.0uH 4580.0uH 4590.0uH 4600.0uH 4610.0uH 4620.0uH 4630.0uH 4640.0uH 4650.0uH 4660.0uH 4670.0uH 4680.0uH 4690.0uH 4700.0uH 4710.0uH 4720.0uH 4730.0uH 4740.0uH 4750.0uH 4760.0uH 4770.0uH 4780.0uH 4790.0uH 4800.0uH 4810.0uH 4820.0uH 4830.0uH 4840.0uH 4850.0uH 4860.0uH 4870.0uH 4880.0uH 4890.0uH 4900.0uH 4910.0uH 4920.0uH 4930.0uH 4940.0uH 4950.0uH 4960.0uH 4970.0uH 4980.0uH 4990.0uH 5000.0uH 5010.0uH 5020.0uH 5030.0uH 5040.0uH 5050.0uH 5060.0uH 5070.0uH 5080.0uH 5090.0uH 5100.0uH 5110.0uH 5120.0uH 5130.0uH 5140.0uH 5150.0uH 5160.0uH 5170.0uH 5180.0uH 5190.0uH 5200.0uH 5210.0uH 5220.0uH 5230.0uH 5240.0uH 5250.0uH 5260.0uH 5270.0uH 5280.0uH 5290.0uH 5300.0uH 5310.0uH 5320.0uH 5330.0uH 5340.0uH 5350.0uH 5360.0uH 5370.0uH 5380.0uH 5390.0uH 5400.0uH 5410.0uH 5420.0uH 5430.0uH 5440.0uH 5450.0uH 5460.0uH 5470.0uH 5480.0uH 5490.0uH 5500.0uH 5510.0uH 5520.0uH 5530.0uH 5540.0uH 5550.0uH 5560.0uH 5570.0uH 5580.0uH 5590.0uH 5600.0uH 5610.0uH 5620.0uH 5630.0uH 5640.0uH 5650.0uH 5660.0uH 5670.0uH 5680.0uH 5690.0uH 5700.0uH 5710.0uH 5720.0uH 5730.0uH 5740.0uH 5750.0uH 5760.0uH 5770.0uH 5780.0uH 5790.0uH 5800.0uH 5810.0uH 5820.0uH 5830.0uH 5840.0uH 5850.0uH 5860.0uH 5870.0uH 5880.0uH 5890.0uH 5900.0uH 5910.0uH 5920.0uH 5930.0uH 5940.0uH 5950.0uH 5960.0uH 5970.0uH 5980.0uH 5990.0uH 6000.0uH 6010.0uH 6020.0uH 6030.0uH 6040.0uH 6050.0uH 6060.0uH 6070.0uH 6080.0uH 6090.0uH 6100.0uH 6110.0uH 6120.0uH 6130.0uH 6140.0uH 6150.0uH 6160.0uH 6170.0uH 6180.0uH 6190.0uH 6200.0uH 6210.0uH 6220.0uH 6230.0uH 6240.0uH 6250.0uH 6260.0uH 6270.0