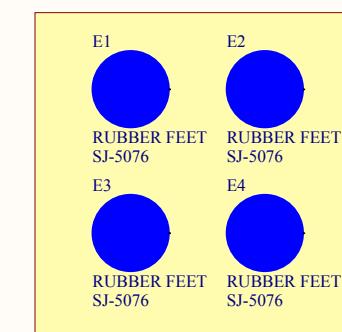
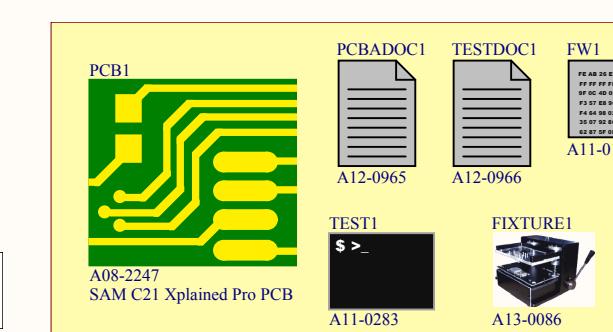
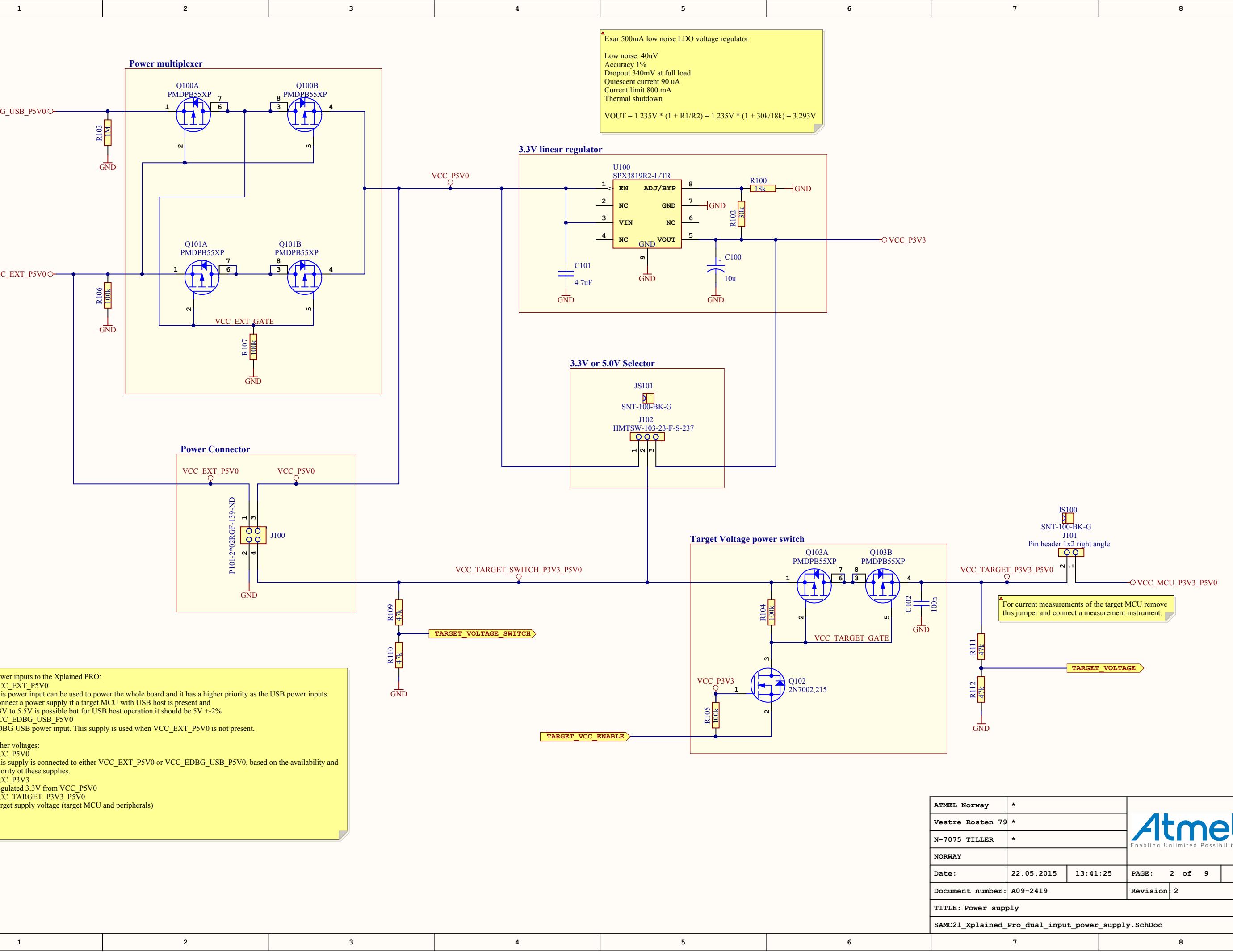


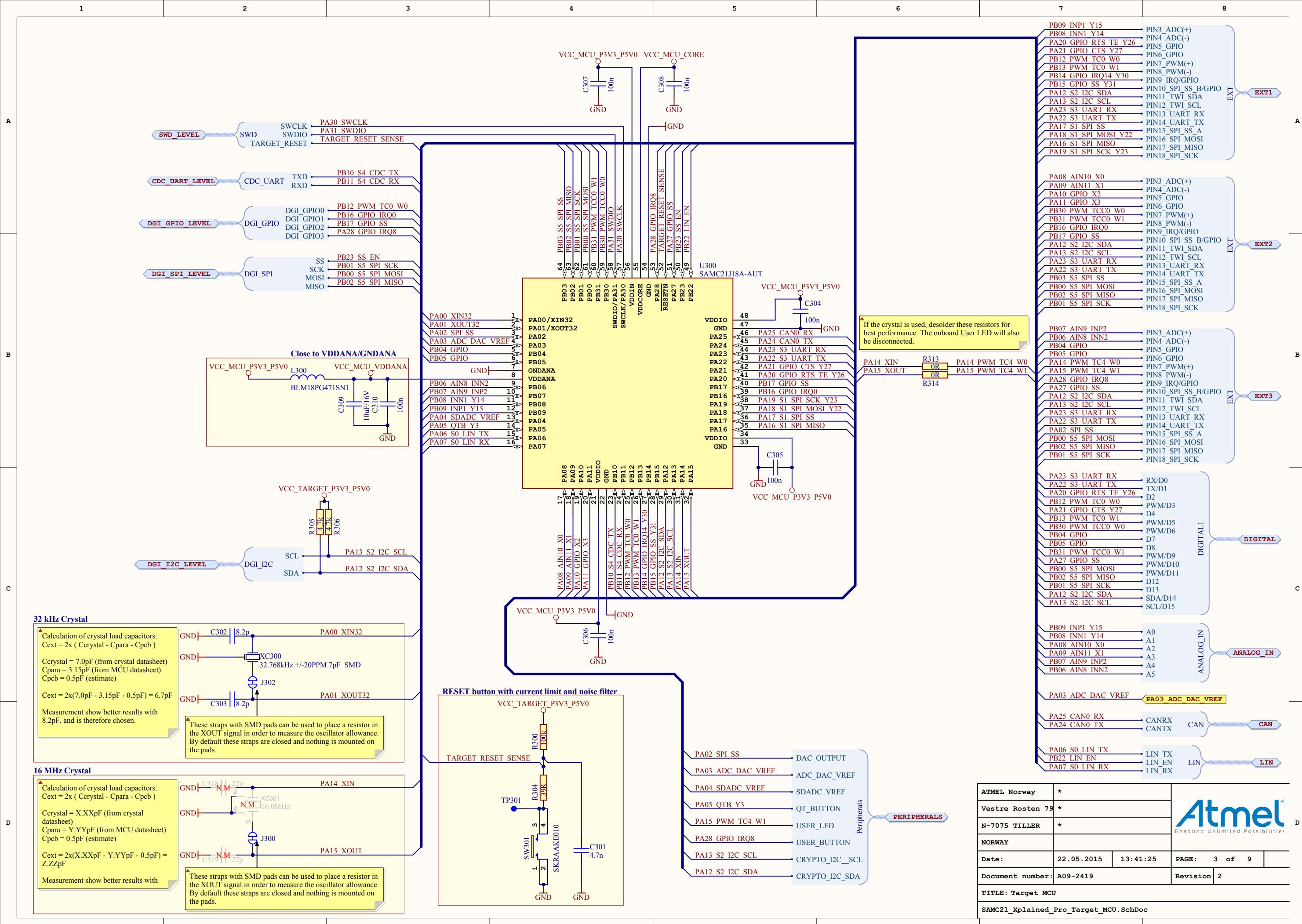
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 Product number/revision
 Serial number
Label PCBA

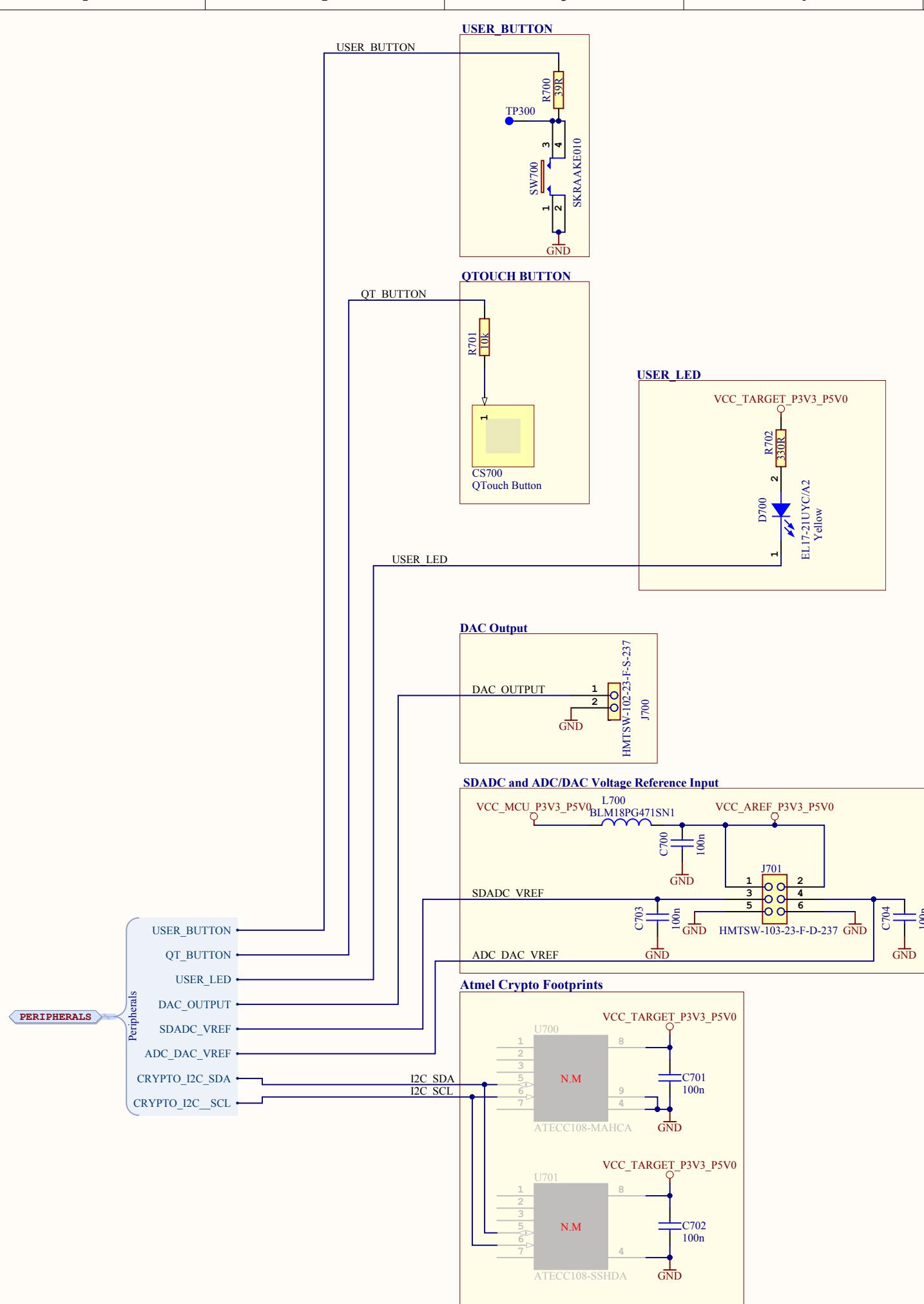


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ATMEL Norway	*		
Vestre Rosten 79	*		
N-7075 TILLER	*		
NORWAY			
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Document number:	A09-2419		Revision 2
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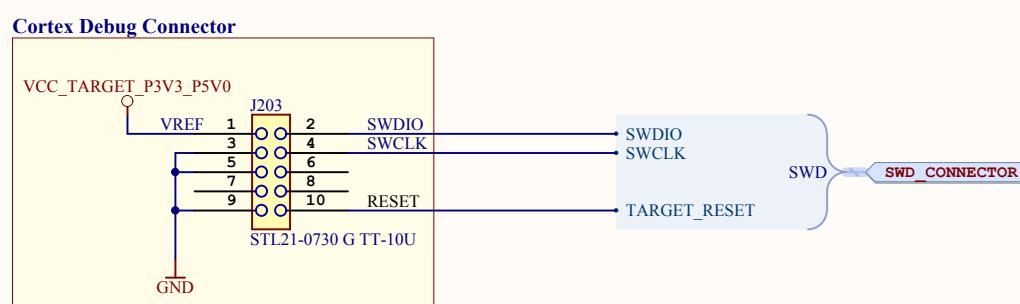
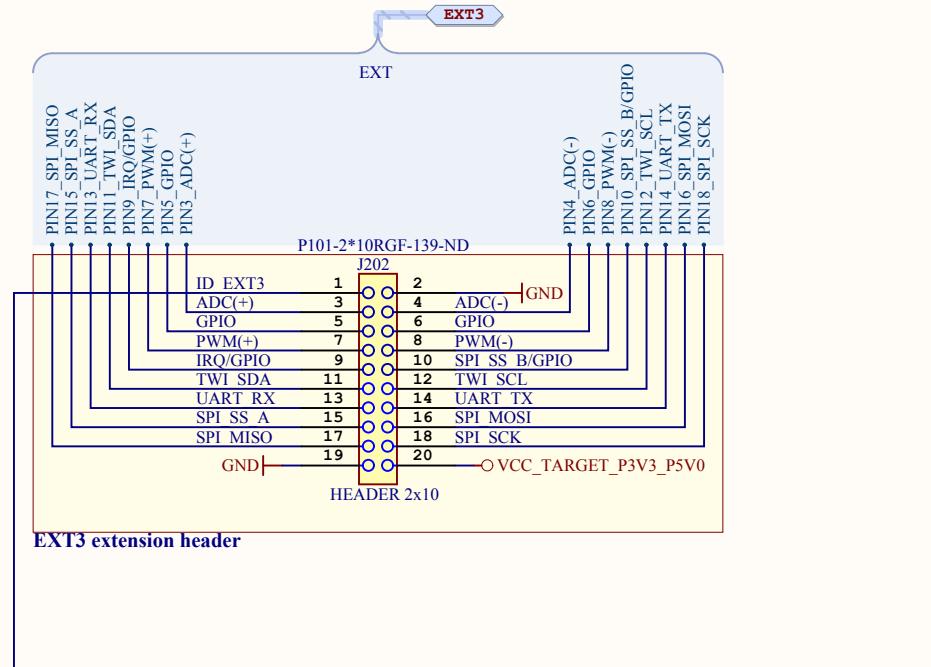
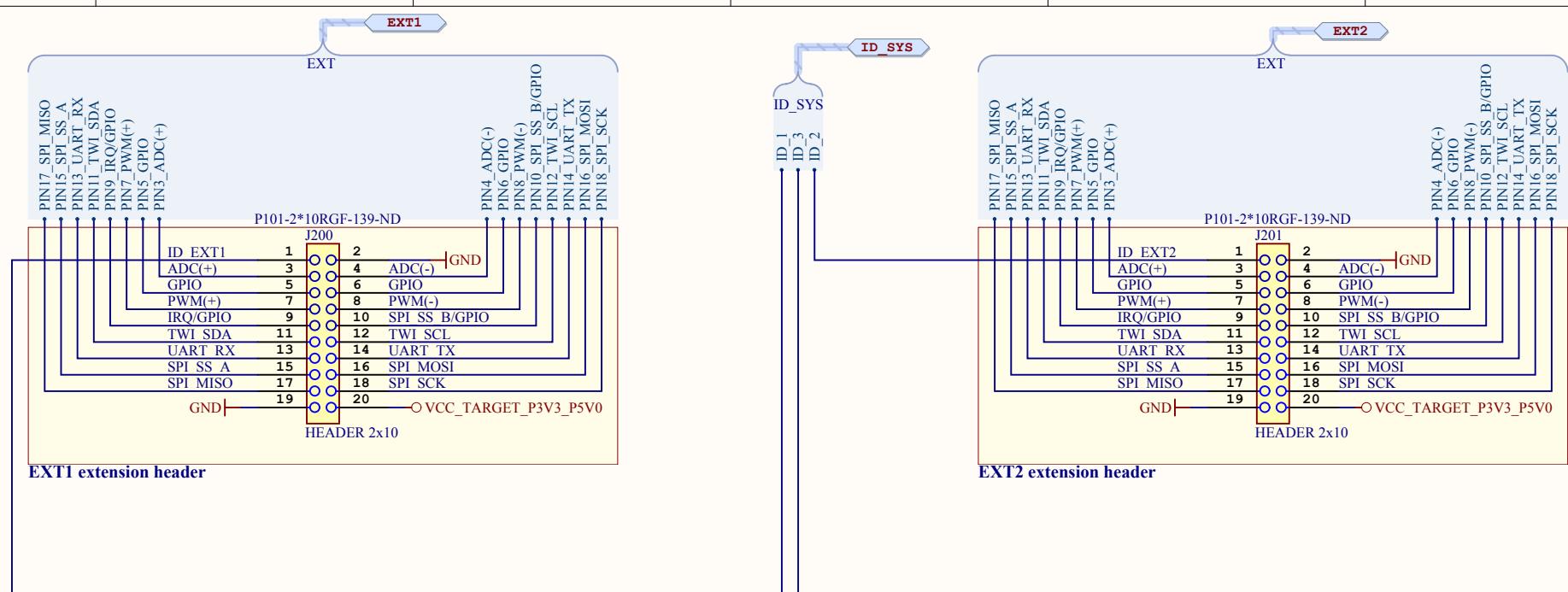






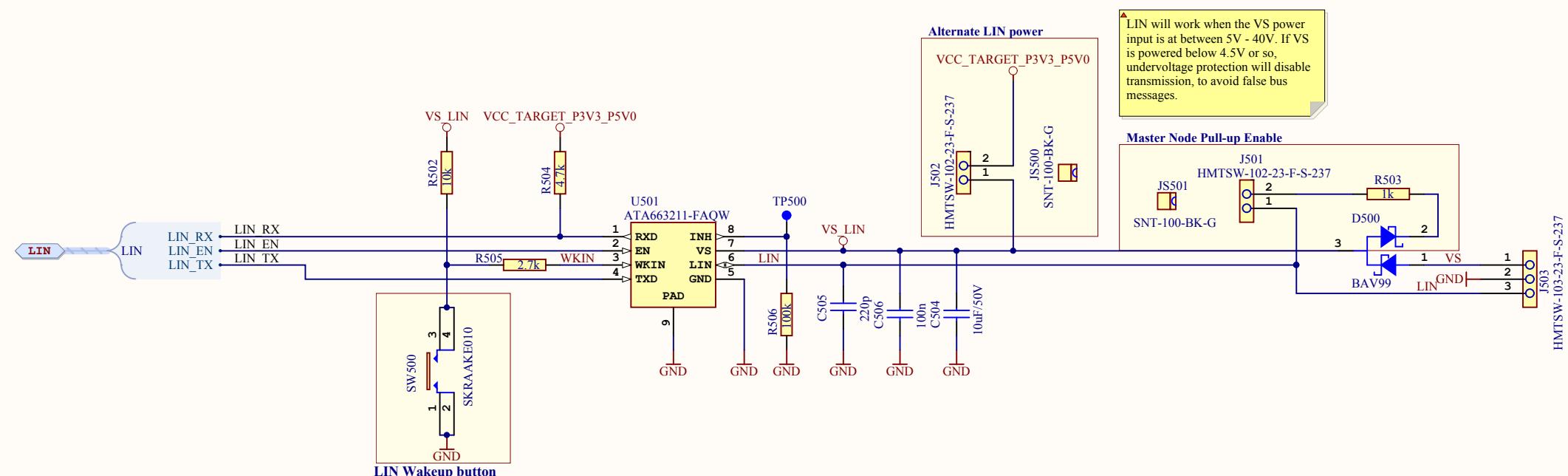
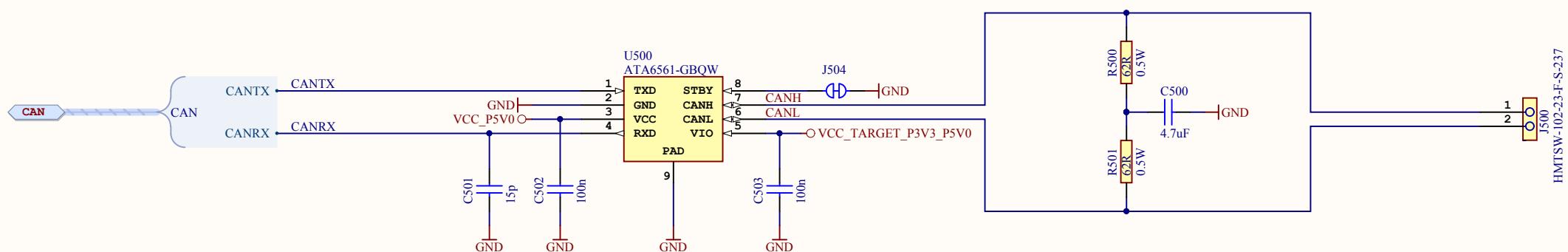
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N-7075 TILLER	*		
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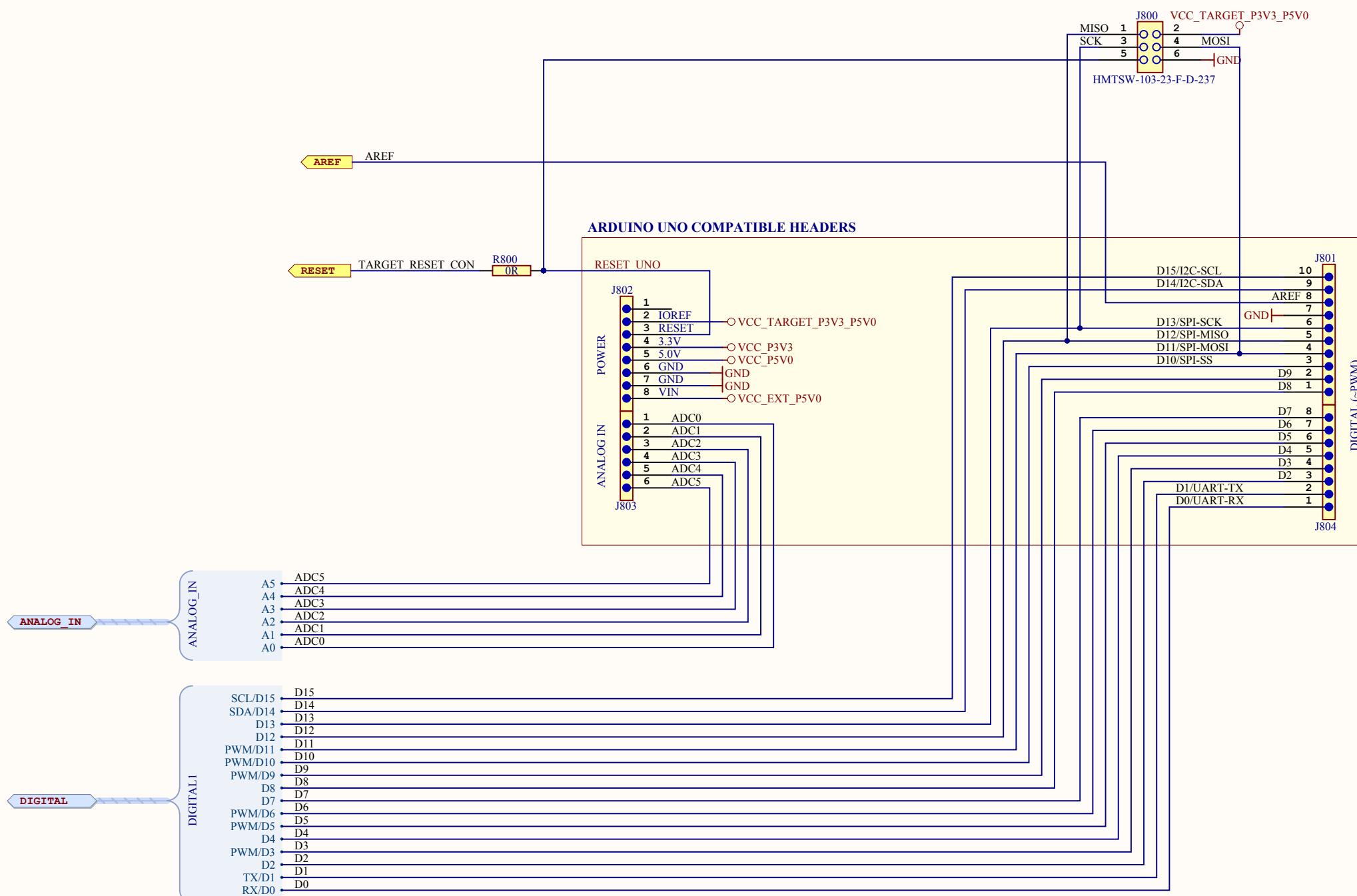


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Vestre Rosten 79	*	
N-7075 TILLER	*	
NORWAY		
Date:	22.05.2015	13:41:26
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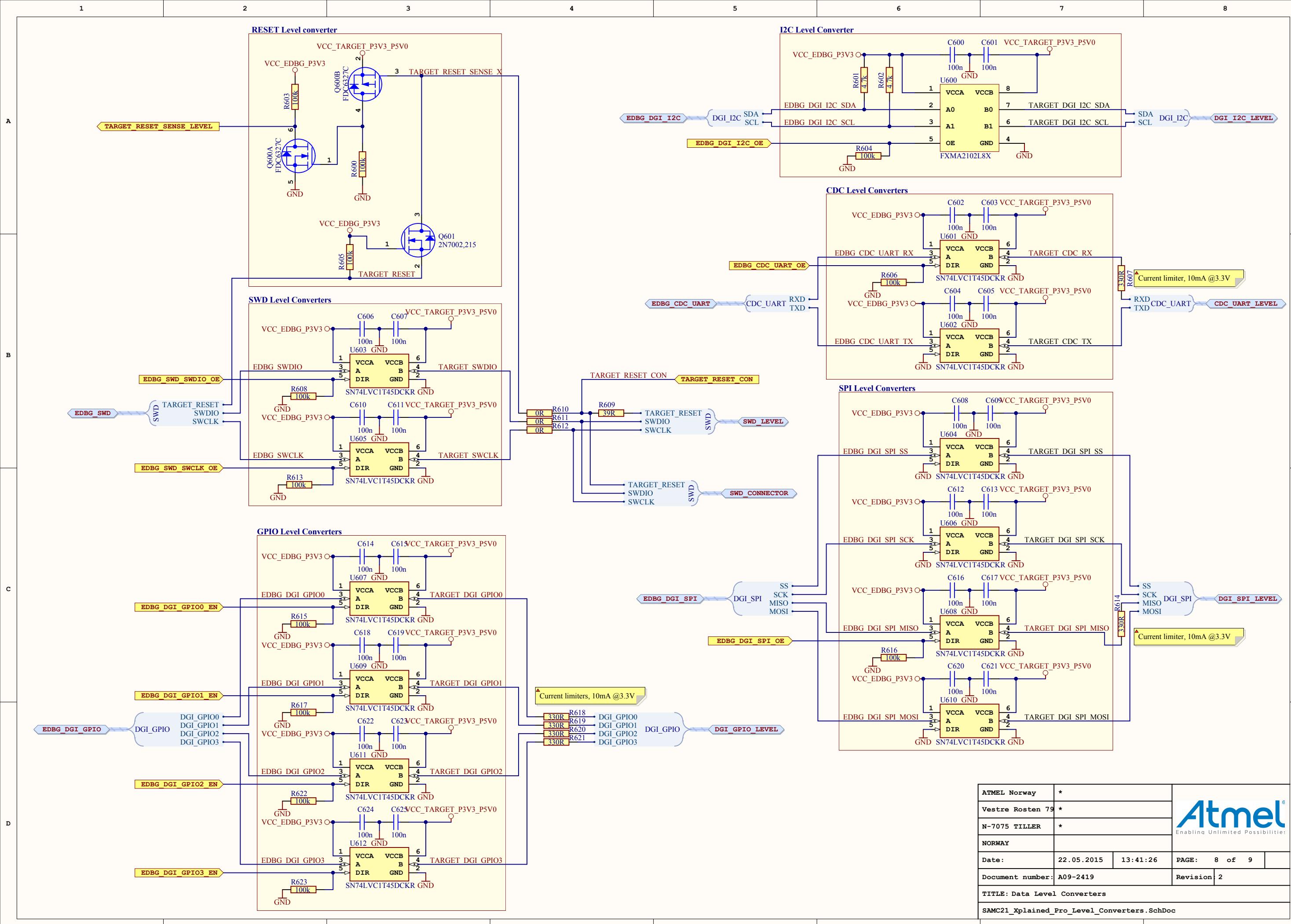


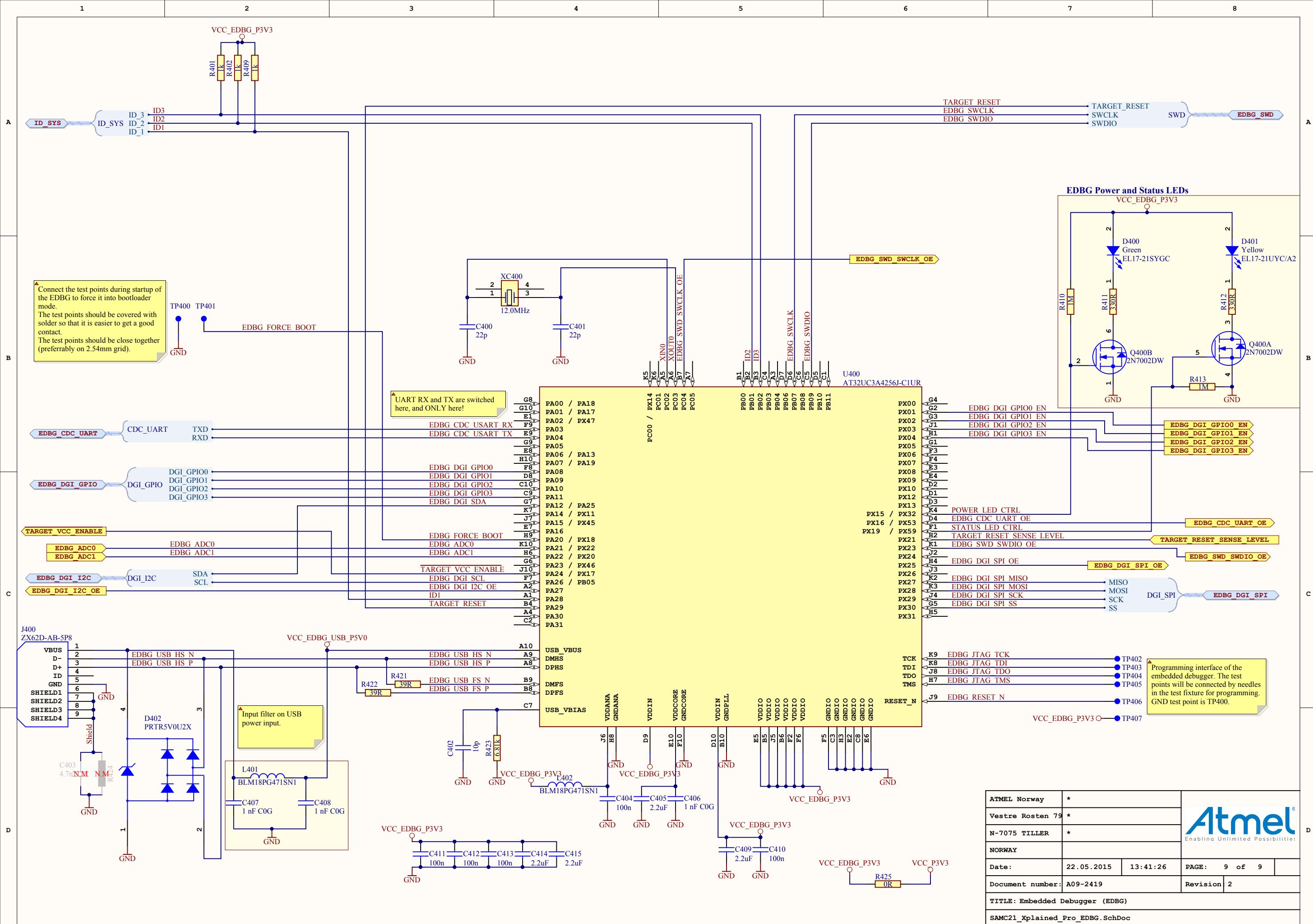
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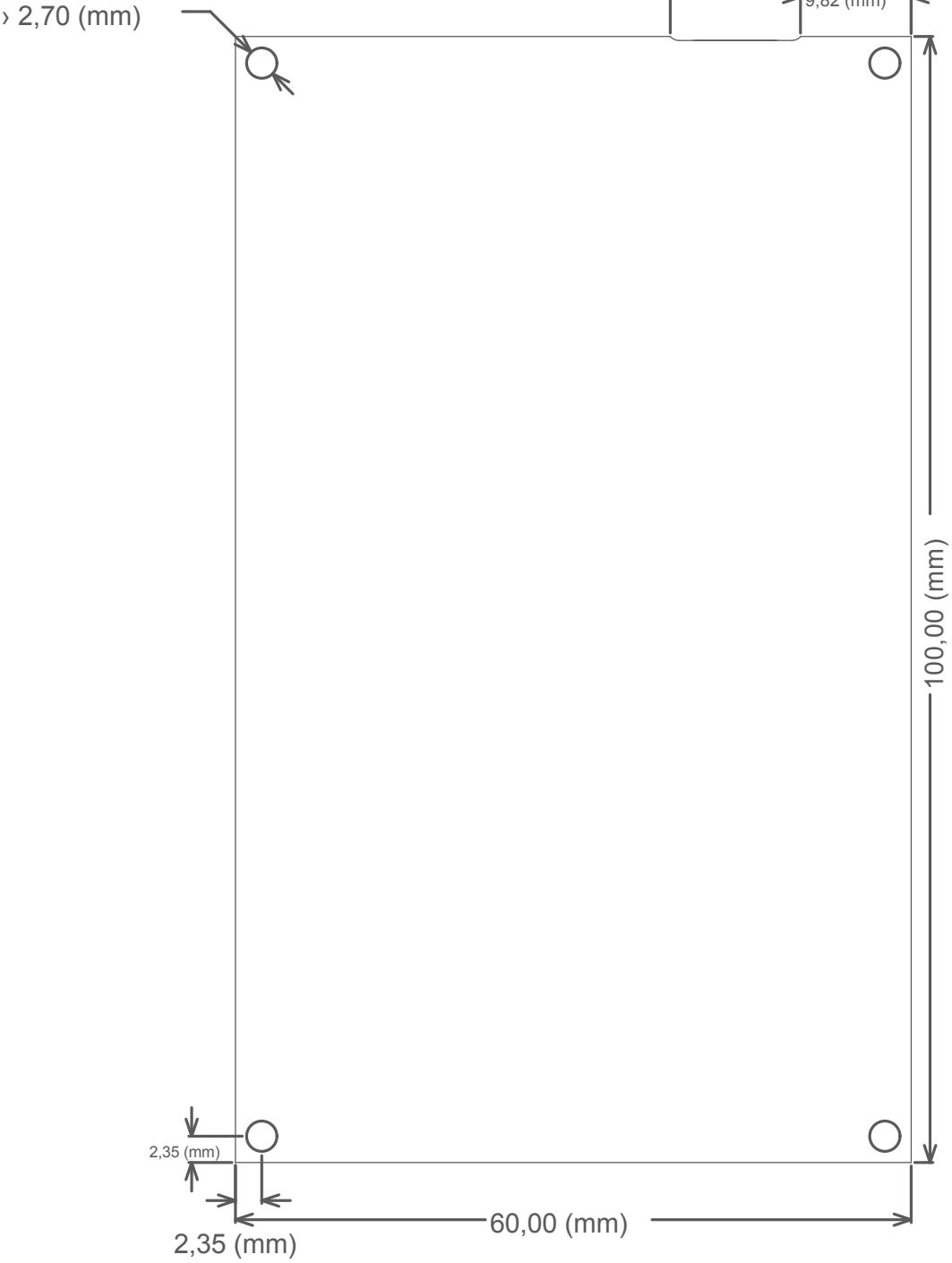
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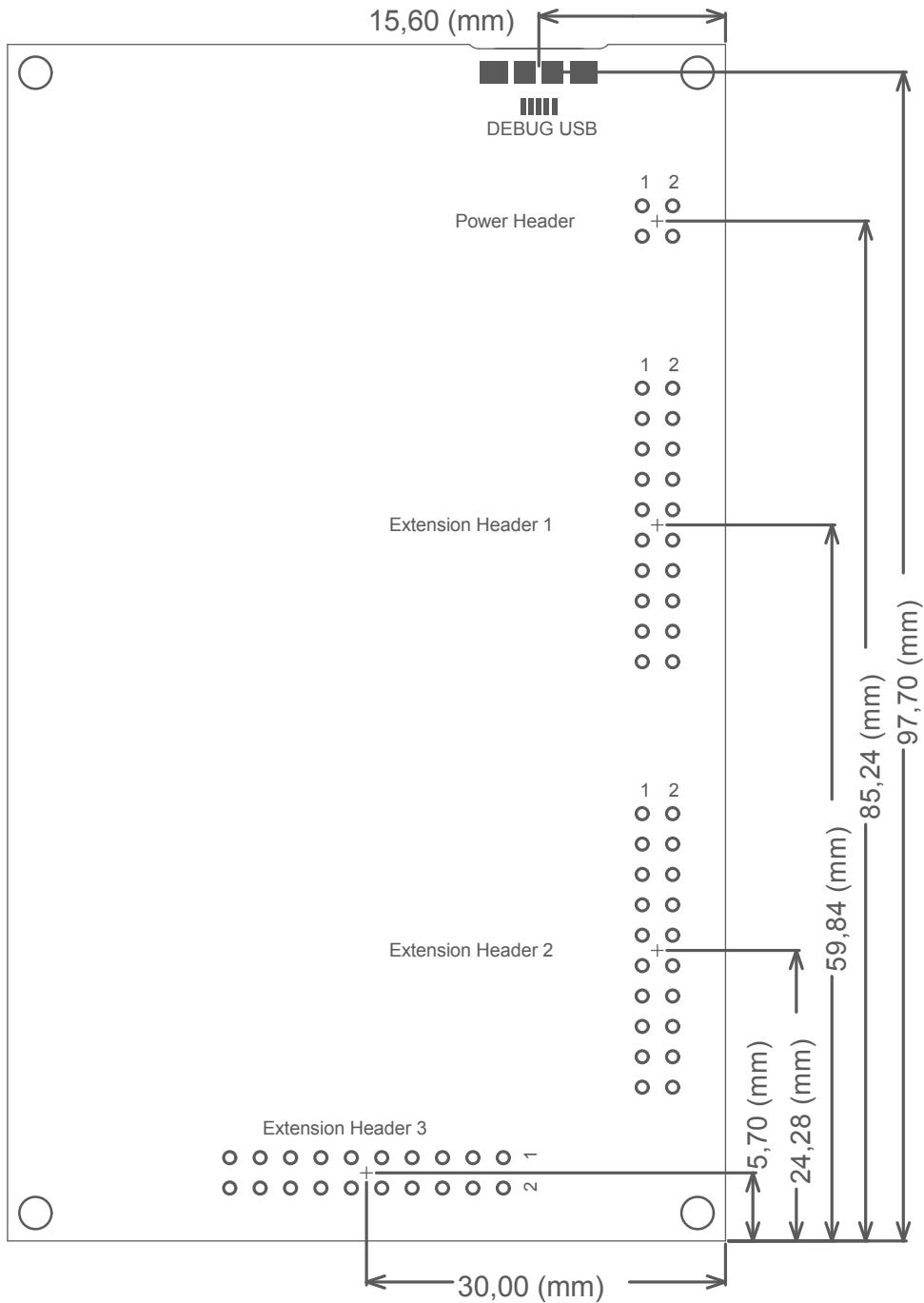


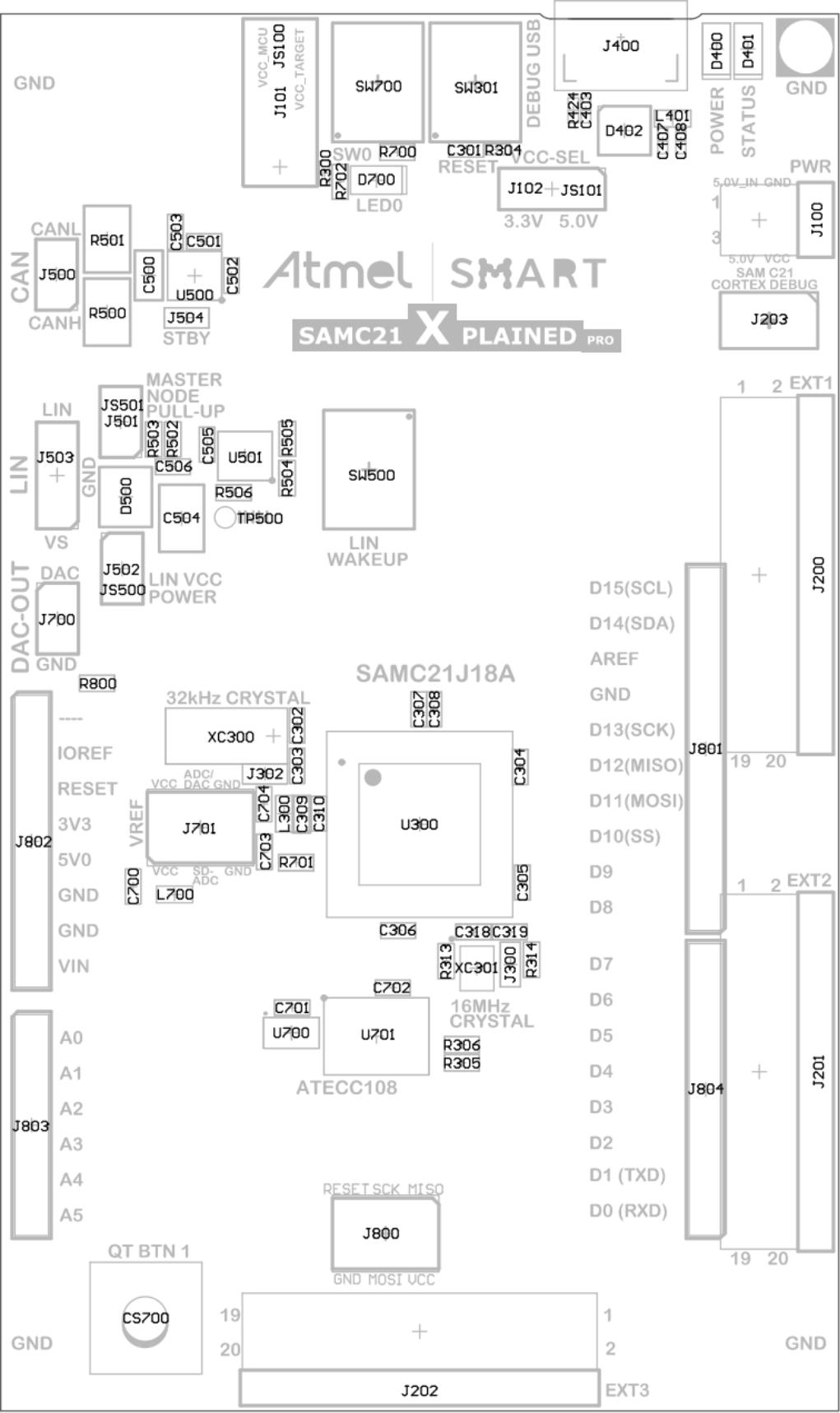


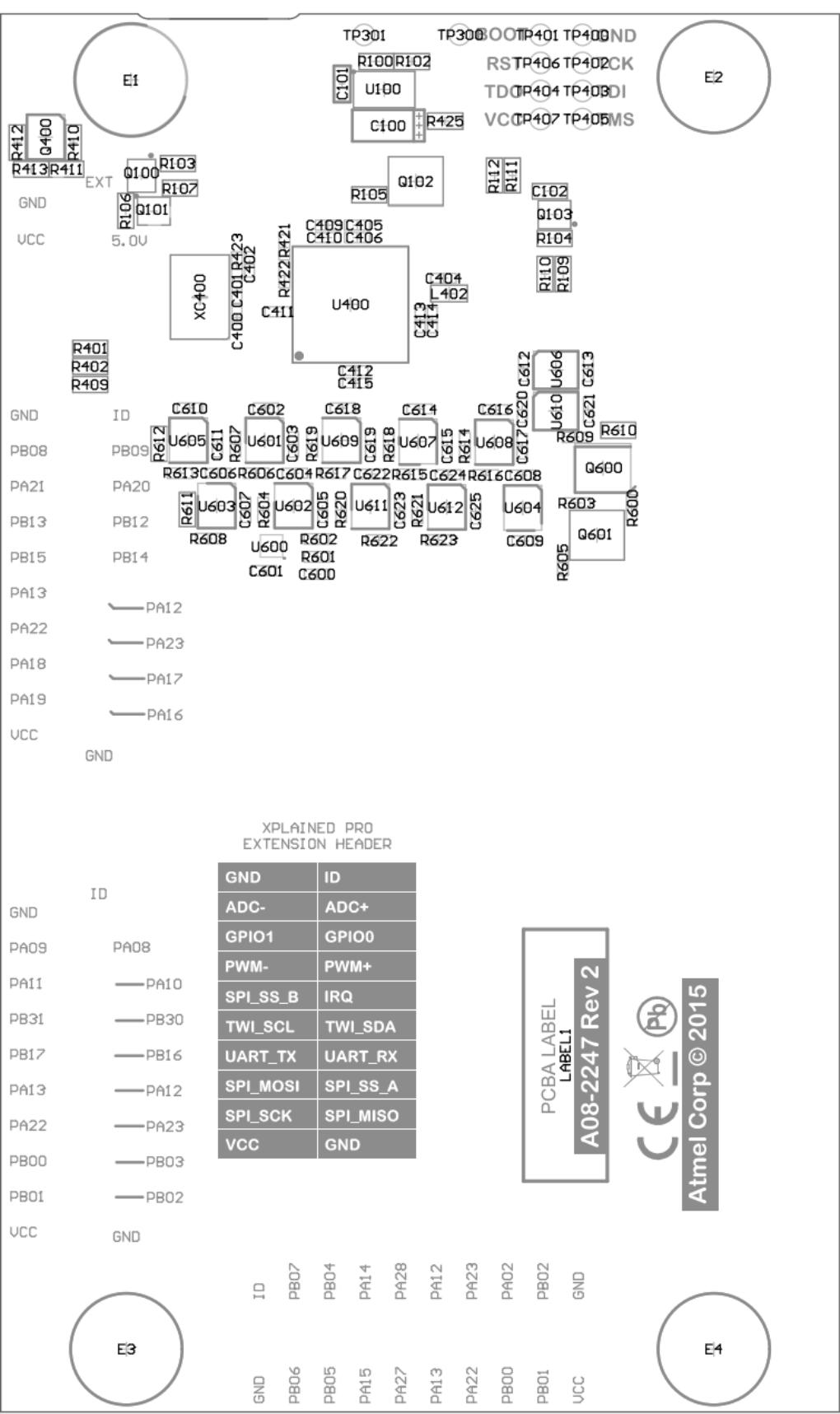
Medium MCU Mechanical Dimensions

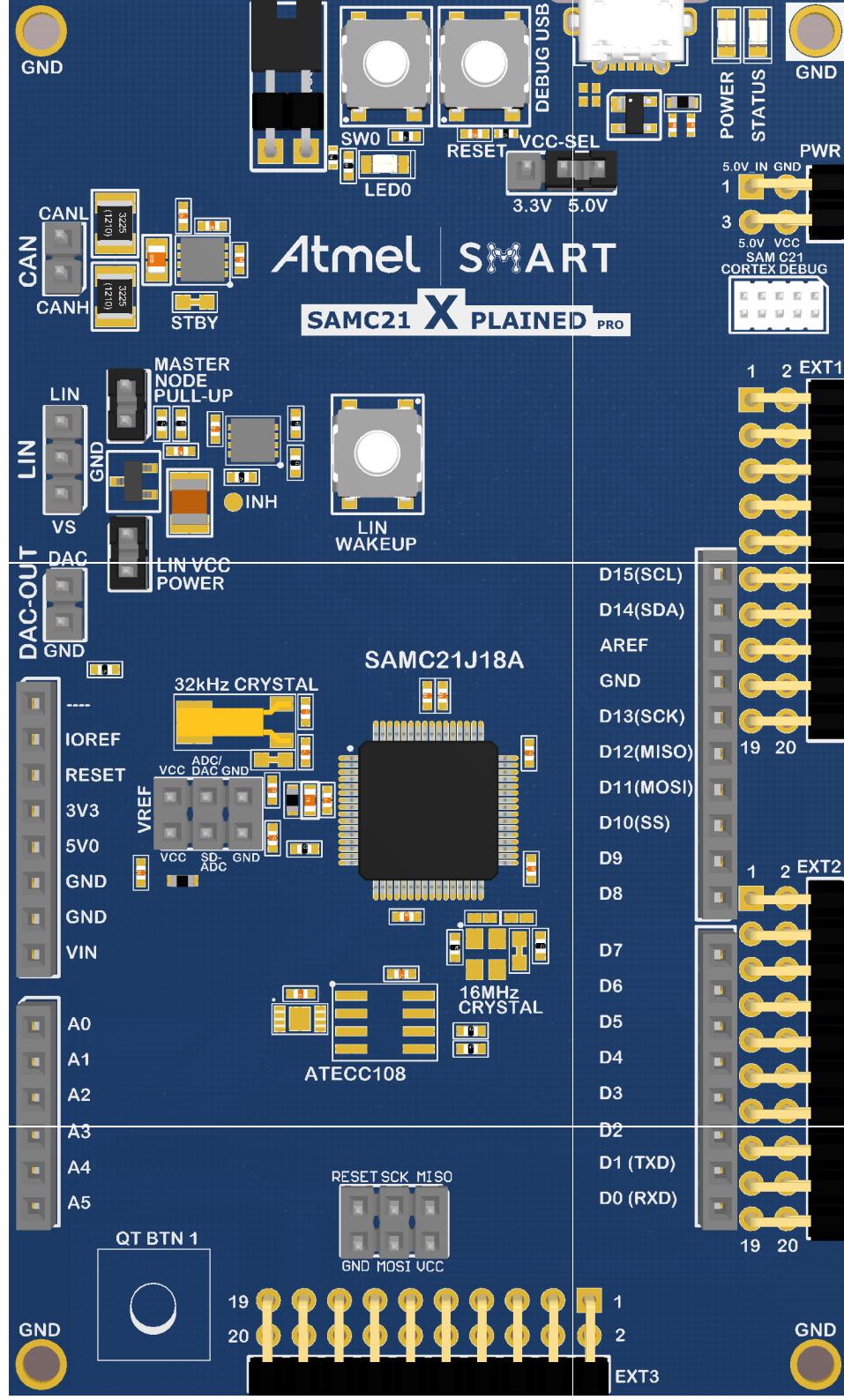


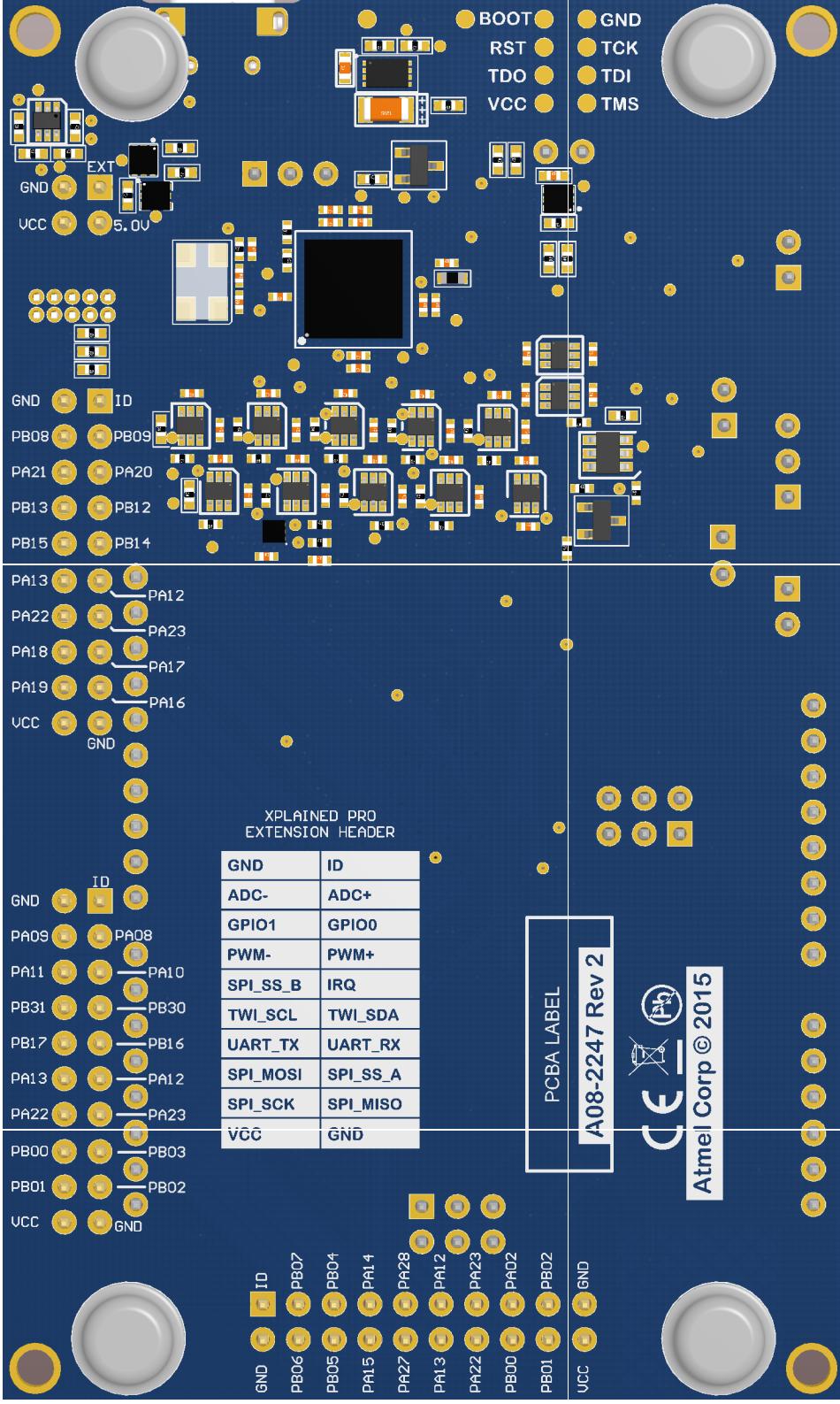
Medium MCU Connector Placement

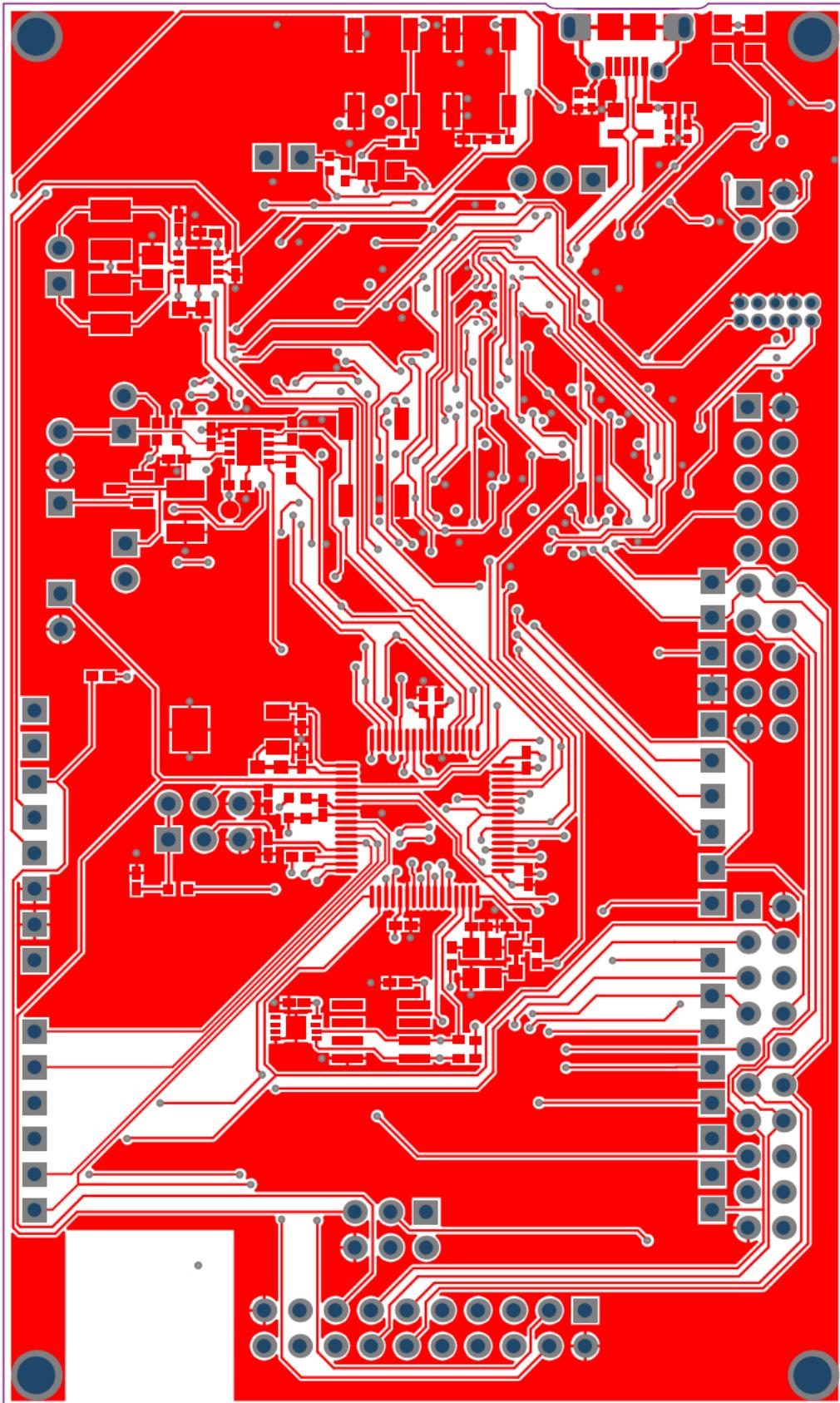


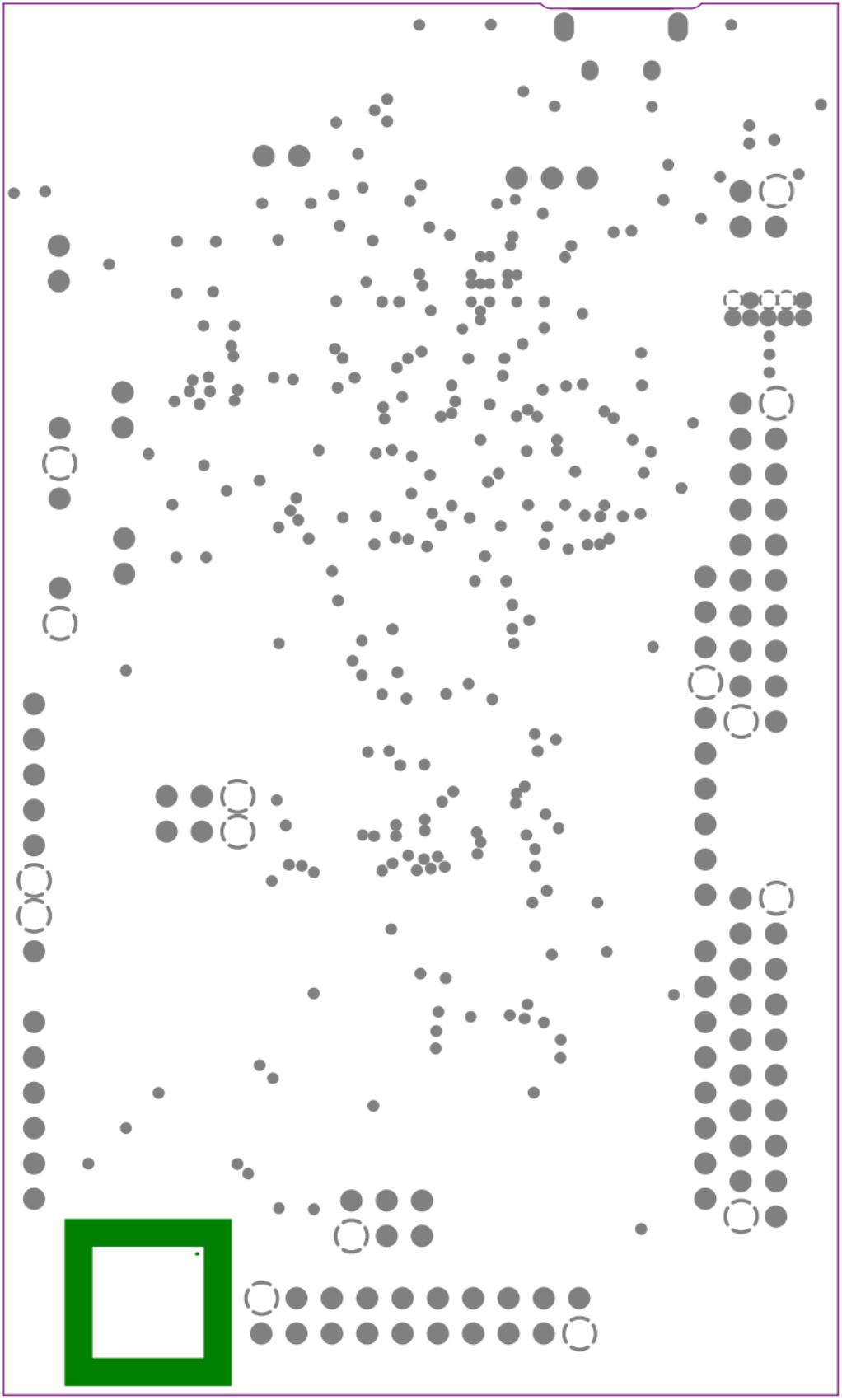


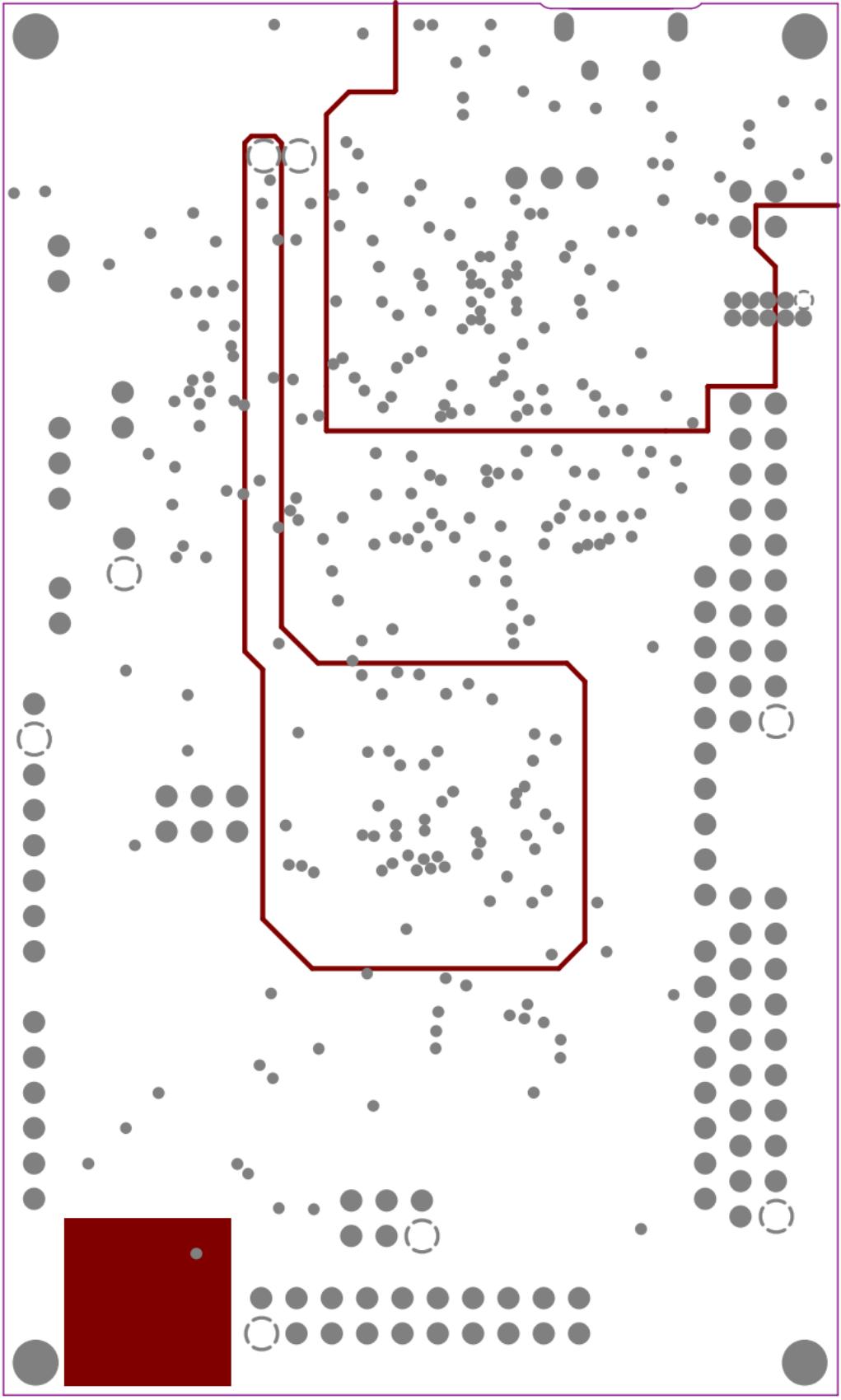


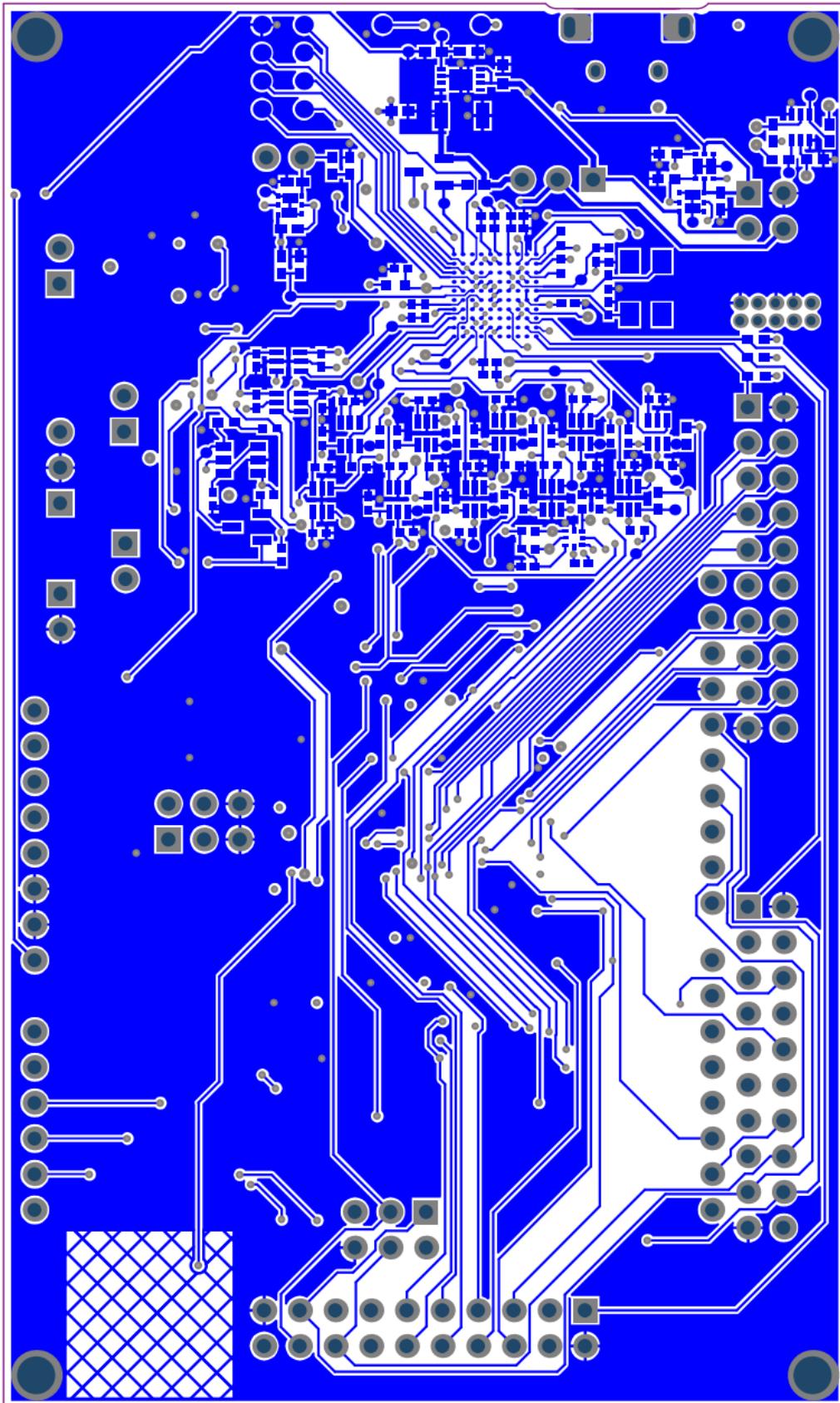












Component list

Top Level Schematics

Source Data From:

SAMC21_Xplained_Pro.PrjPCB

Project:

SAMC21_Xplained_Pro.PrjPCB

Variant:

Default_assembly



Report Date: 22.05.2015 13:41:58					
Print Date: <Parameter Curren <Parameter CurrentTime not found>					
Fitted	Designator	Quantity	Value	Manufacturer	MPN
Fitted	C100	1	10u	vishay	TR3A106K016C1700
Fitted	C101	1	4.7uF	tdk	G1608X5R1A475K
Fitted	C102, C304, C305, C306, C307, C308, C310, C502, C503, C506, C700, C701, C702, C703, C704	15	100n	Kemet	C0402C104K4RACTU
Fitted	C301	1	4.7n		
Fitted	C302, C303	2	8.2p		
Fitted	C309	1	10uF/16V	Taiyo Yuden	EMK107BBJ106MA-T
Fitted	C400, C401	2	22p		
Fitted	C402	1	10p		
Fitted	C404, C410, C411, C412, C413	5	100n	Kemet	C0402C104K4RACTU
Fitted	C405, C409, C414, C415	4	2.2uF	Kemet	C0402C225M9PAC
Fitted	C406, C407, C408	3	1nF COG	Murata	GRM155SCH102JA01D
Fitted	C500	1	4.7uF	Murata	GRM21BR61E475KA12L
Fitted	C501	1	15p		
Fitted	C504	1	10uF/50V	tdk	CGA6P3X7S1H106K
Fitted	C505	1	220p		
Fitted	C600, C601, C602, C603, C604, C605, C606, C607, C608, C609, C610, C611, C612, C613, C614, C615, C616, C617, C618, C619, C620, C621, C622, C623, C624, C625	26	100n	Kemet	C0402C104K4RACTU
Fitted	D400	1	EL17-21SYGC	Everlight	EL17-21SYGC
Fitted	D401, D700	2	EL17-21UY/C4/2	Everlight	17-21UY/C530-A3/TR8
Fitted	D402	1	PRTR8V70U2X	Philips	PRTR8V70U2X
Fitted	D600	1	BAV99	Philips	BAV99
Fitted	E1, E2, E3, E4	4	SJ-5076		3M
Fitted	FIXTURE1	1	Xplained PRO MCU board Jupiter Test Fixture	ESCATEC	Xplained PRO MCU board Jupiter Test Fixture
Fitted	FW1	1	EDBG secured firm ware	ATMEL	EDBG secured firm ware
Fitted	J100	1	P101-2*02RGF-139-ND		P101-2*02RGF-139-ND
Fitted	J101	1	Pin header 1x2 right angle	Pro-data International Corp	2213R-2G
Fitted	J102, J503	2	HMTSW-103-23-F-S-237	SAMTEC	HMTSW-103-23-F-S-237
Fitted	J200, J201, J202	3	P101-2*10RGF-139-ND		P101-2*10RGF-139-ND
Fitted	J203	1	PIN HEADER 2x5	Garry	STL21-0730 G TT-10U
Fitted	J400	1	ZX62D-AB-5P8		2x5 pin header, 1.27mm pitch, THM
Fitted	J500, J501, J502, J700	4	HMTSW-102-23-F-S-237	SAMTEC	HMTSW-102-23-F-S-237
Fitted	J701, J800	2	HMTSW-103-23-F-D-237	SAMTEC	HMTSW-103-23-F-D-237
Fitted	J801	1	SSQ-110-21-F-S	SAMTEC	SSQ-110-21-F-S
Fitted	J802, J804	2	SSQ-108-21-F-S	SAMTEC	SSQ-108-21-F-S
Fitted	J803	1	SSQ-106-21-F-S	SAMTEC	SSQ-106-21-F-S
Fitted	JS100, JS101, JS500, JS501	4	SNT-100-BK-G	SAMTEC	SNT-100-BK-G
Fitted	L300, L401, L402, L700	4	BLM18PG471SN1	Murata	BLM18PG471SN1
Fitted	LABEL1	1	Label PCBA	ACT Logimark AS	505462
Fitted	PCB1	1	SAM C21 Xplained Pro PCB		SAM C21 Xplained Pro PCB, 4 layer, 60mm x 100mm
Fitted	PCBADOC1	1	A09-2419 PCBA Files		SAM C21 Xplained Pro PCB documentation
Fitted	Q100, Q101, Q103	3	PMDB855XP	NXP	PMDB855XP
Fitted	Q102, Q601	2	2N7002,215	NXP	2N7002,215
Fitted	Q400	1	2N7002DW	Fairchild	2N7002DW
Fitted	Q600	1	FDC6327C	Fairchild	FDC6327C
Fitted	R100	1	18k		Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R102	1	30k		Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R103, R410, R413	3	1M		Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R104, R105, R108, R107, R506	5	100k		Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R109, R110, R111, R112	4	47k		Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R300, R600, R603, R604, R605, R606, R608, R613, R615, R616, R617, R622, R623	13	100k		Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R304, R421, R422, R607	4	39R		Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R305, R306, R504	3	4.7k		Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R313, R314, R425, R610, R611, R612, R800	7	0R		Thick film resistor, SMD 0402, 1/16W, 1%, RES 0.0 OHM 1/16W 0402 SMD
Fitted	R401, R402, R409, R503	4	1k		Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R411, R412, R702	3	330R		Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R423	1	6.81k		Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R500, R501	2	62R		Thick film resistor, SMD 1210, 0.5W, 1%
Fitted	R502, R701	2	10k	vishay	CRCW040210K0FKED
Fitted	R505	1	2.7k		Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R601, R602	2	4.7k		Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R607, R614, R618, R619, R620, R621	6	330R		Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R700	1	39R		Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	SW301, SW500, SW700	3	SKRAAKED10	ALPS	SKRAAKED10
Fitted	TEST1	1	SAM C21 Xplained Pro test		6.2x6.2 mm SMD tact switch, same as A08-0091 but less force is needed
Fitted	TESTDOC1	1	SAM C21 Xplained Pro Test Instruction		Fixture eggTest for SAM C21 Xplained Pro
Fitted	U100	1	SPX3819R2-LTR	Exar	SPX3819R2-LTR
Fitted	U300	1	SAMC21J18A-AUT	ATMEL	SAMC21J18A-AUT
Fitted	U400	1	AT32UC3A4256J-C1UR	ATMEL	AT32UC3A4256J-C1UR
Fitted	U500	1	ATA6561-GBOW		5Mb/s CAN Transceiver,VCC = 5V, VIO = 2.8-5V, 3x3 mm VDFN8
Fitted	U501	1	ATA663211-FAQW	ATMEL	ATA663211-FAQW
Fitted	U600	1	FXMA2102LBX	Fairchild	FXMA2102LBX
Fitted	U601, U602, U603, U604, U605, U606, U607, U608, U609, U610, U611, U612	12	SN74LVC1T45DCKR	Texas Instruments	SN74LVC1T45DCKR
Fitted	XC300	1	32.768kHz +/-20ppm 7pF SMD	Micro Crystal	MS1V-T1K 32.768kHz 7pF +/-20ppm TA
Fitted	XC400	1	12.0MHz	Fox Electronics	FQ5032B-12-C-C-200-1
Not Fitted	C318, C319	0	22p		Ceramic capacitor, SMD 0402, NP0, 50V, +/-5%
Not Fitted	C403	0	4.7n		Ceramic capacitor, SMD 0402, X7R, 25V, +/-10%
Not Fitted	R424	0	1M	KOA	RK73H1ETTP1004F
Not Fitted	U700	0	ATECC108-MAHCA		Secure authentication and product validation device, EEPROM, I2C, 2.0 - 5.5V, UDFN8
Not Fitted	U701	0	ATECC108-SSHDA		Secure authentication and product validation device, EEPROM, I2C, 2.0 - 5.5V, SOIC8
Not Fitted	XC301	0	16.0MHz	Epson Toyocom	TSX-3225 16.0000MF09Z-AC3
Fitted					16MHz uXtal, 3.2 x 2.5 mm SMD, CL=9pF, 15PPM ESR=80ohm(Max)

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