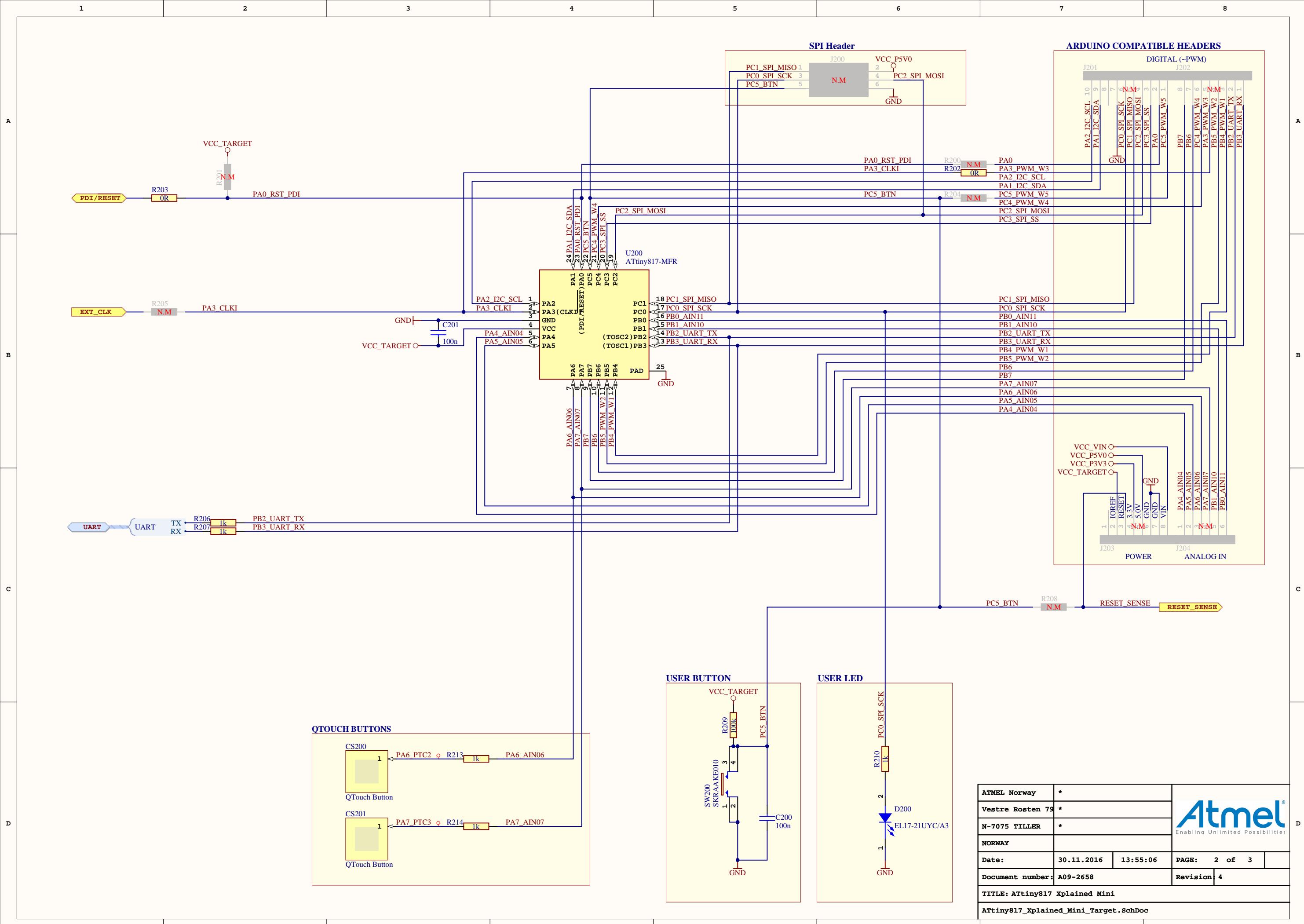
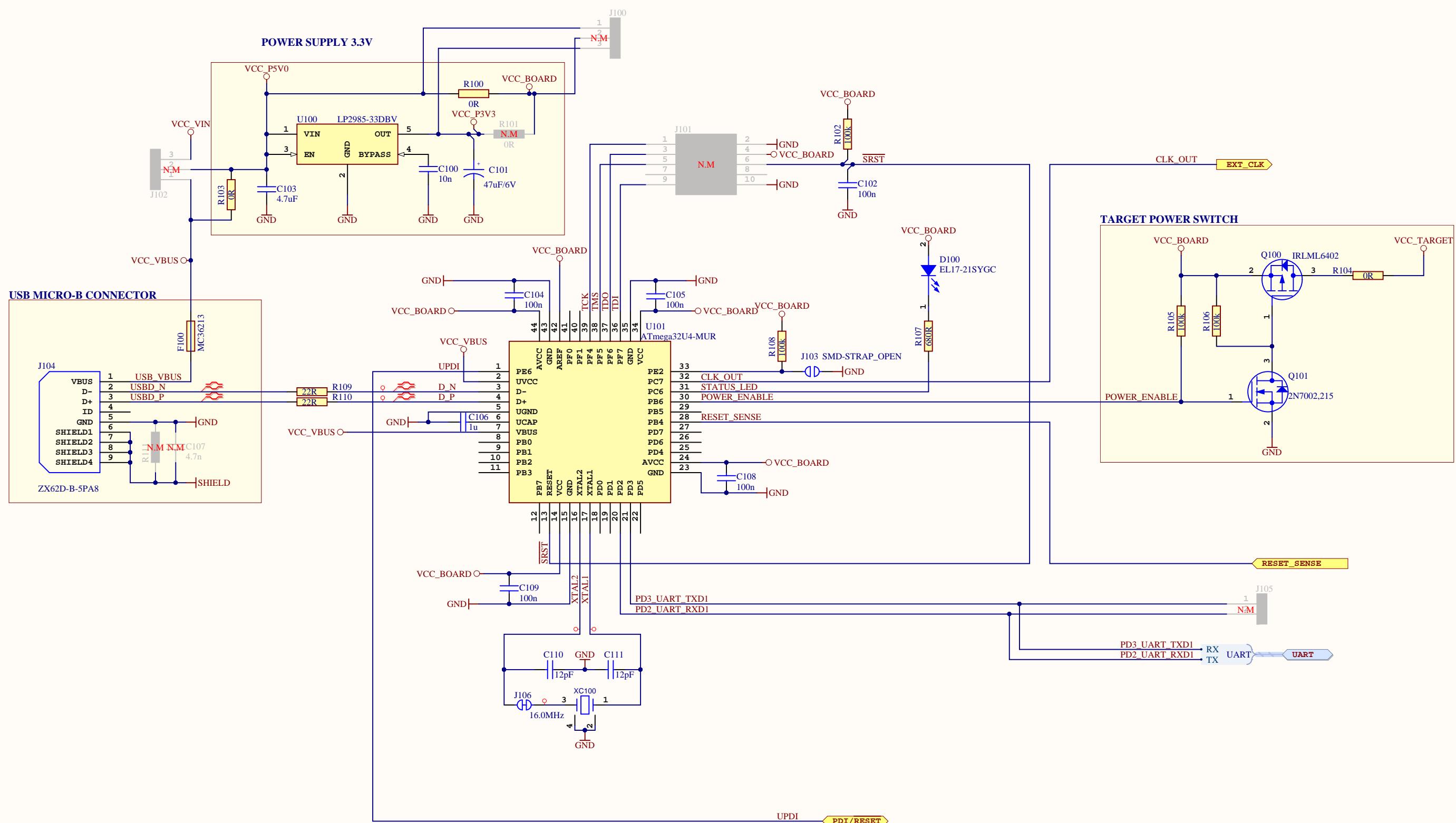


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ATMEL Norway	*		
Vestre Rosten 79	*		
N-7075 TILLER	*		
NORWAY			
Date:	30.11.2016	13:55:06	PAGE: 1 of 3
Document number:	A09-2658	Revision	4
TITLE: ATTiny817 Xplained Mini			
ATTiny817_Xplained_Mini_TopLevel.SchDoc			

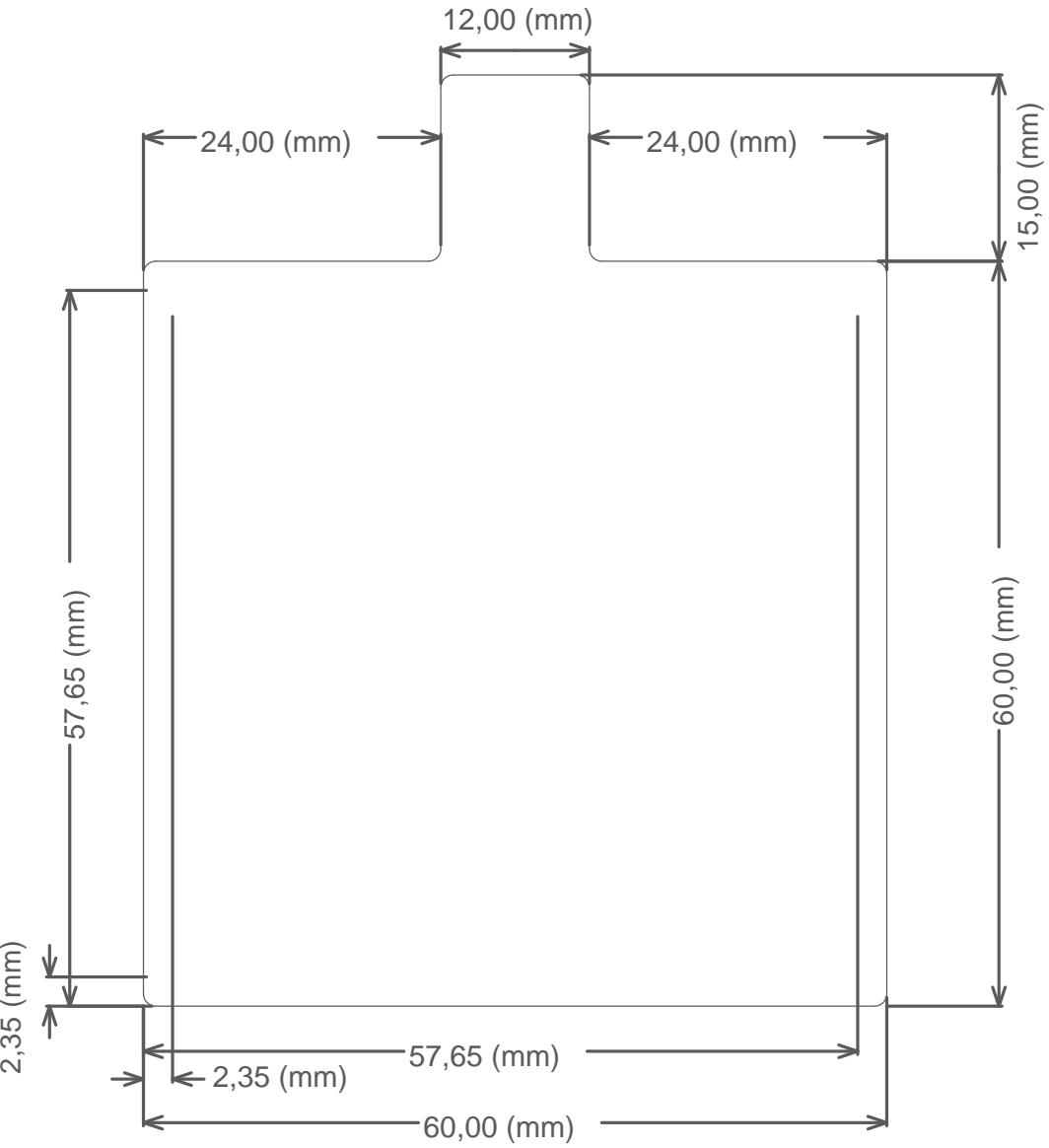
Atmel
Enabling Unlimited Possibilities

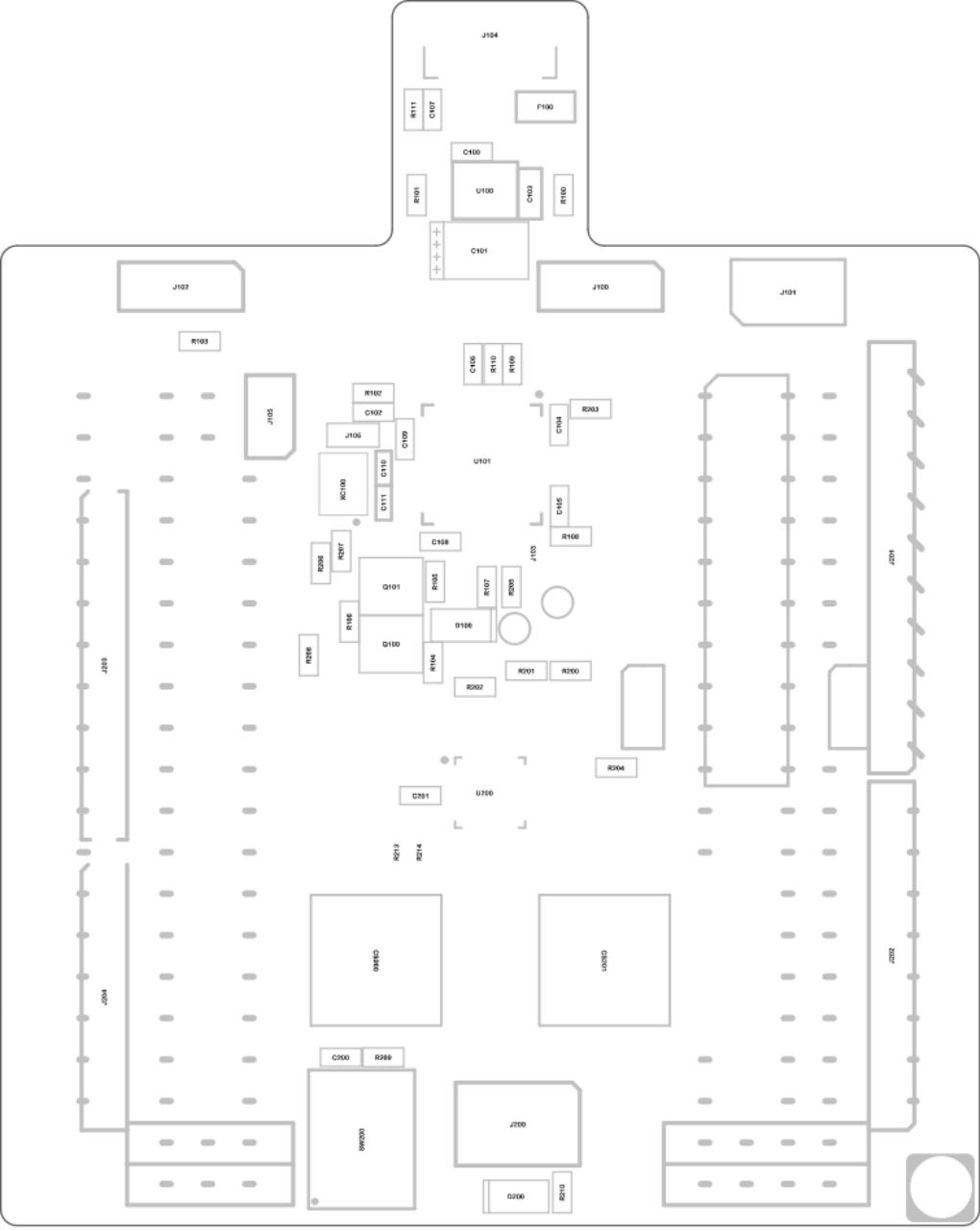


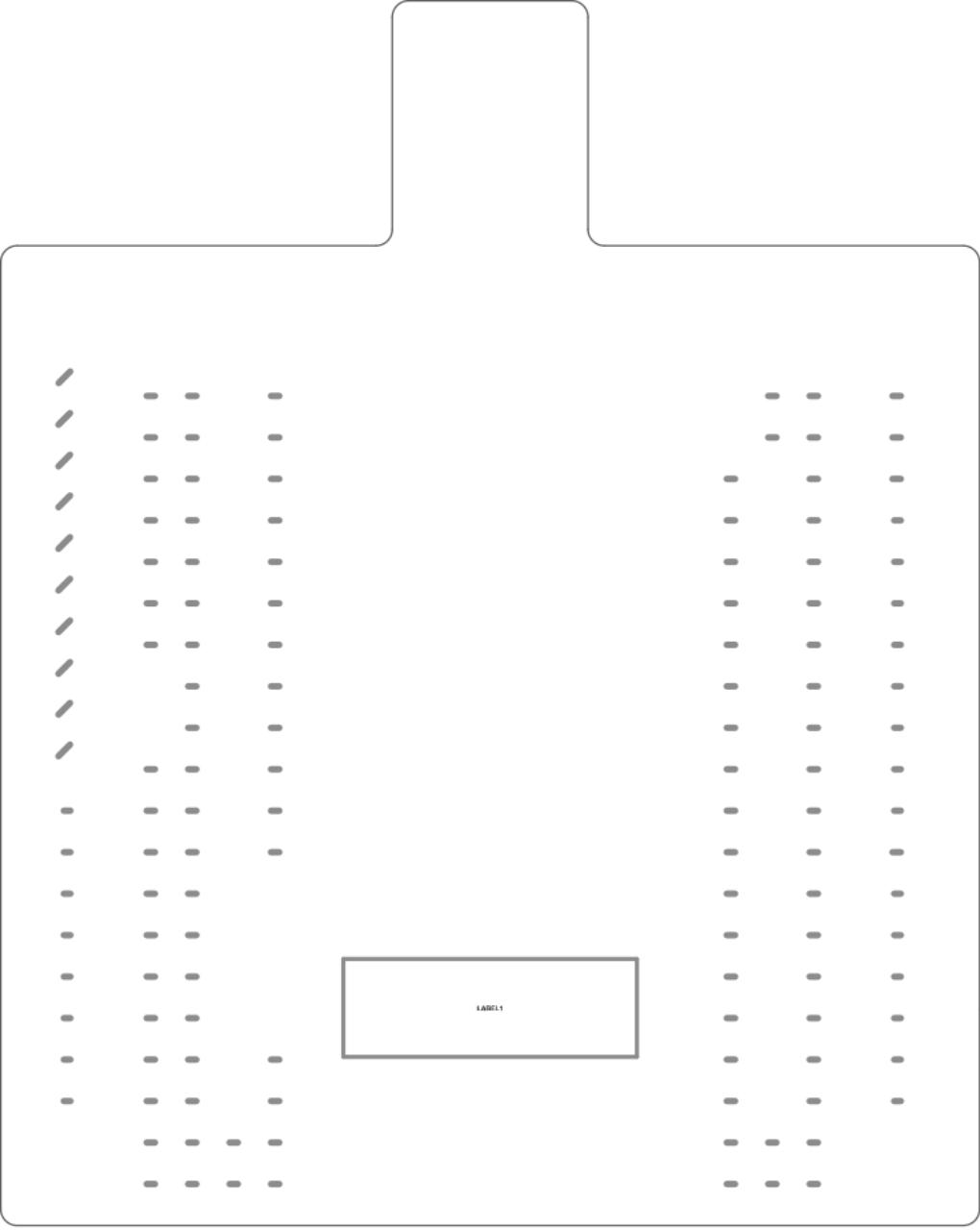


ATMEL Norway	*	
Vestre Rosten 79	*	
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NORWAY		
Date:	30.11.2016 13:55:07	PAGE: 3 of 3
Document number:	A09-2658	Revision 4
TITLE: ATTiny817 Xplained Mini		
ATTiny817_Xplained_Mini_Programmer.SchDoc		

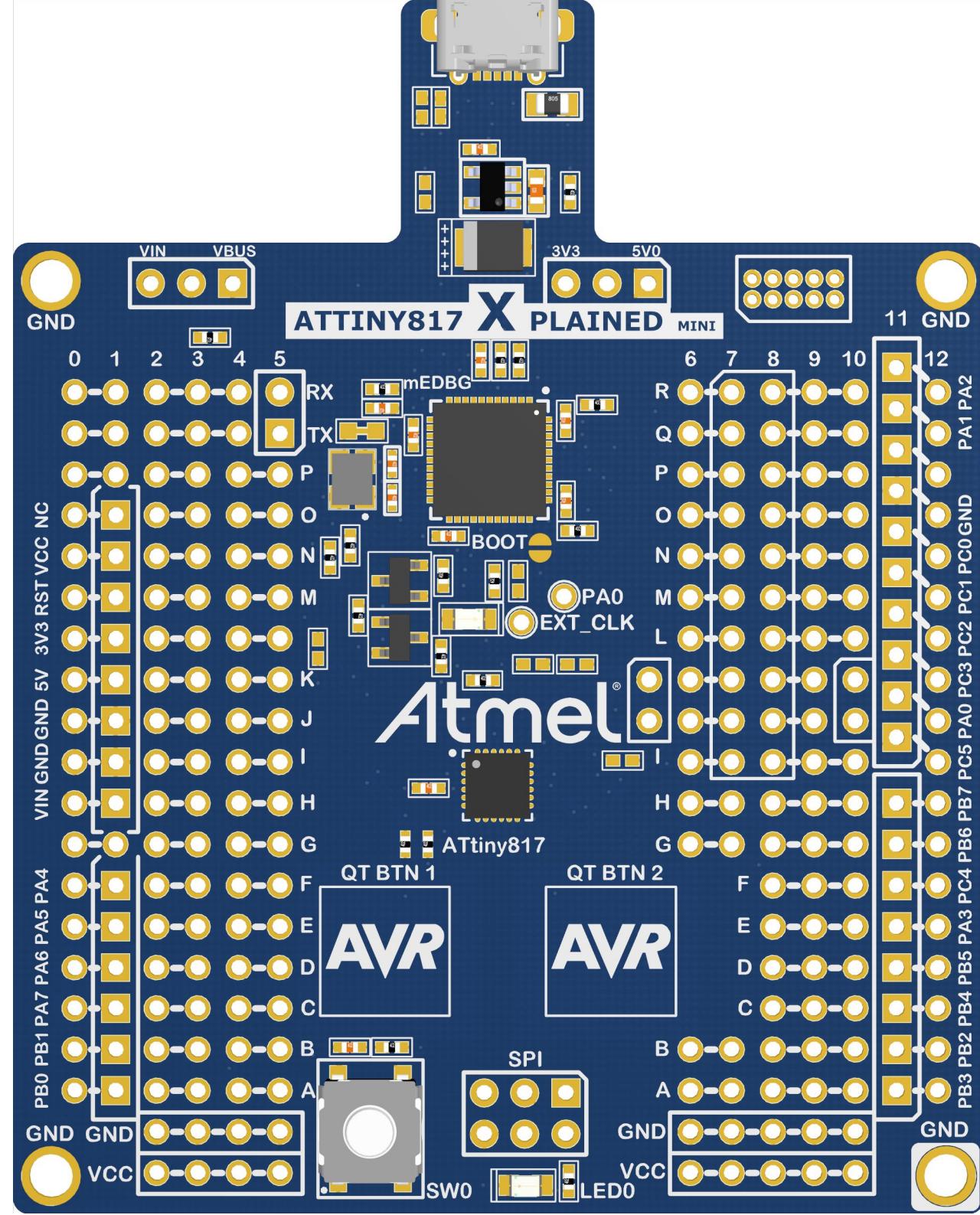
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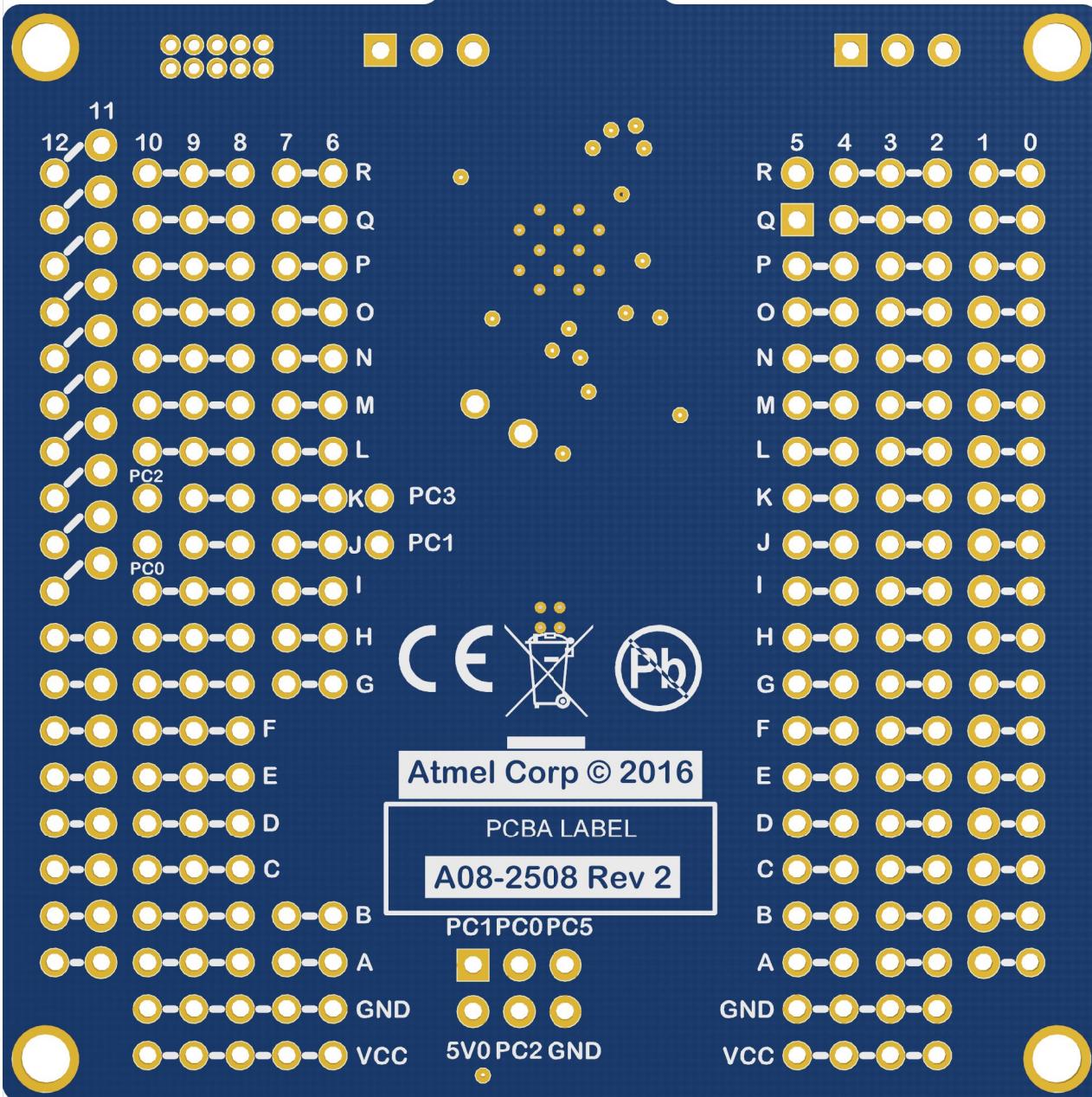


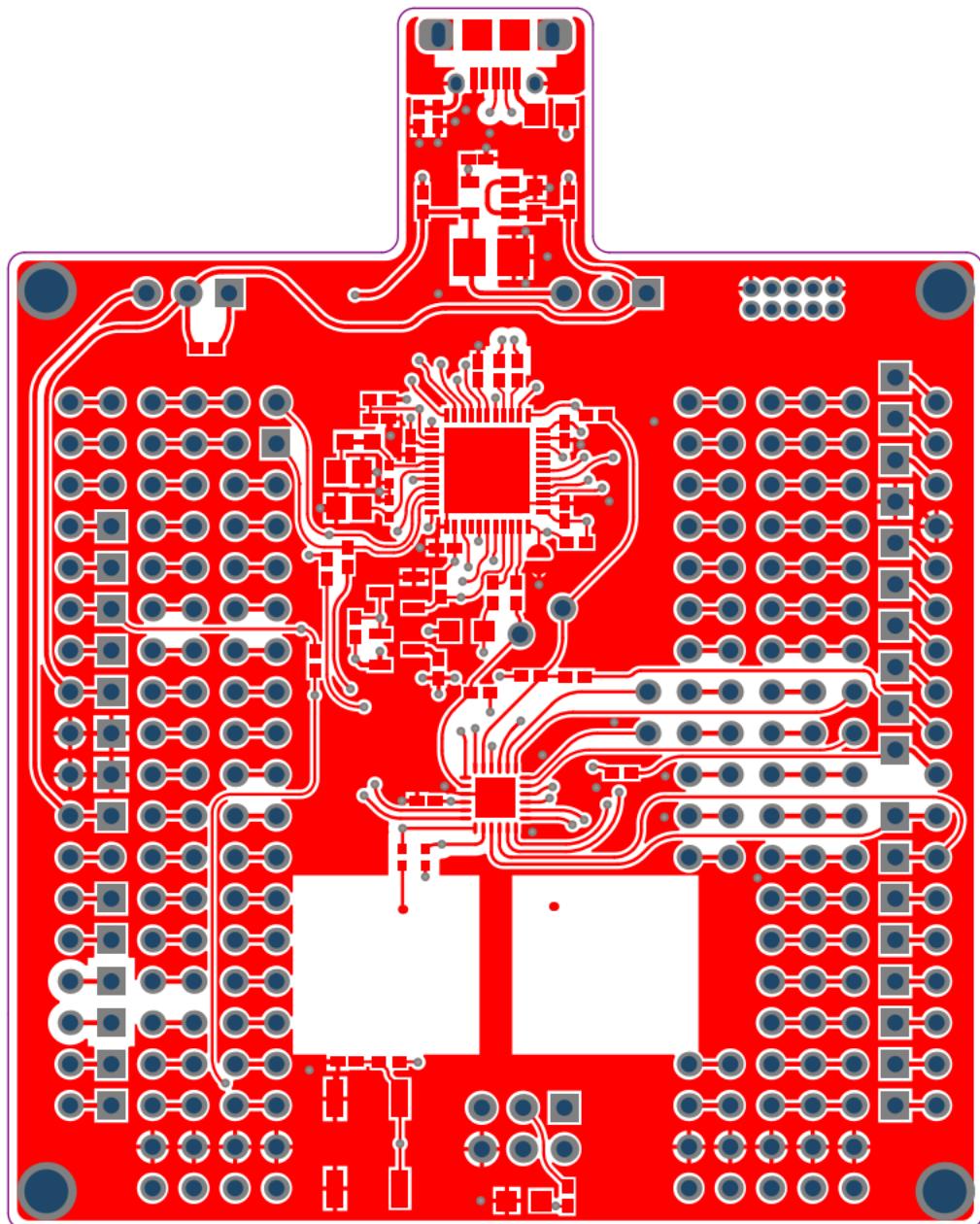


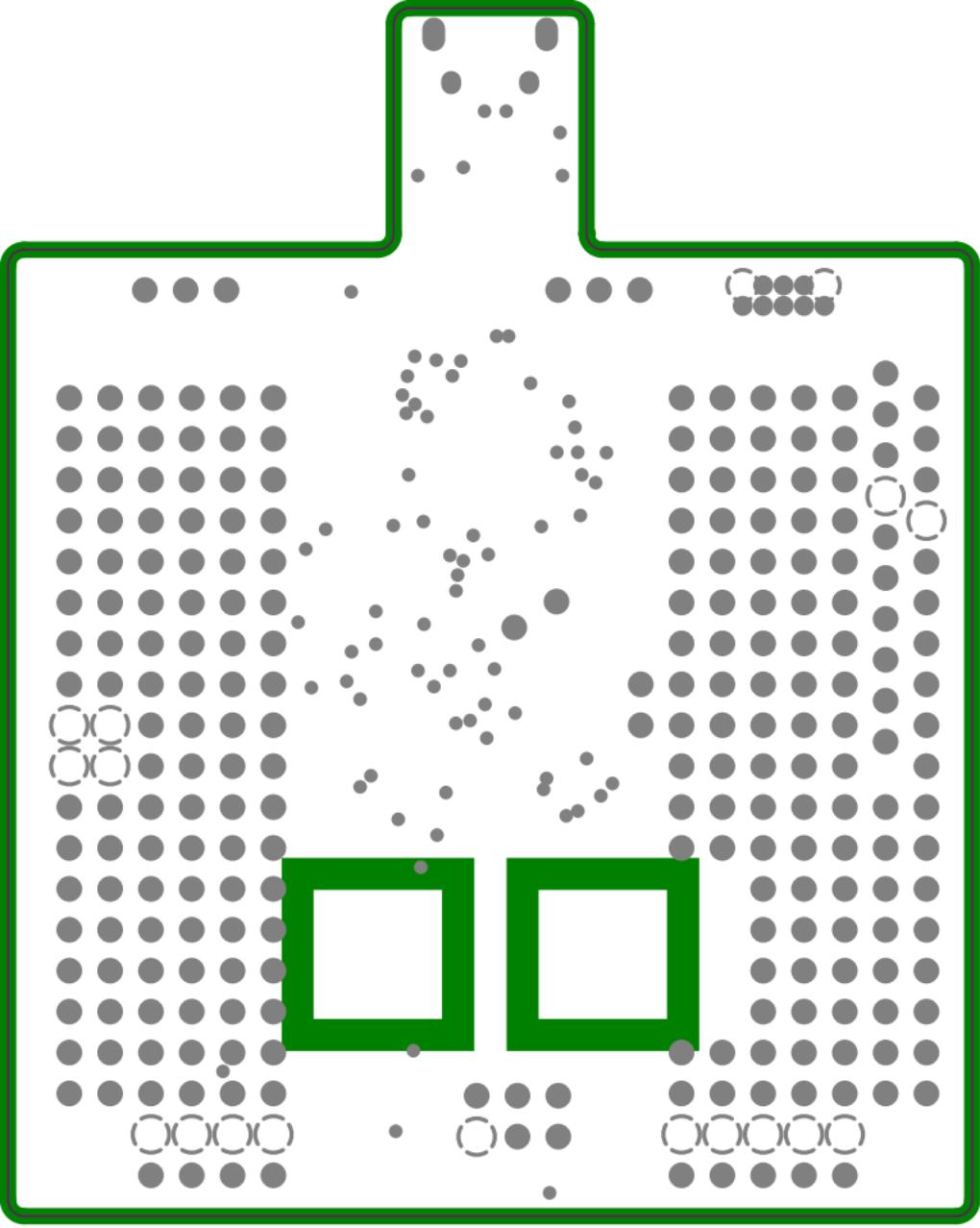


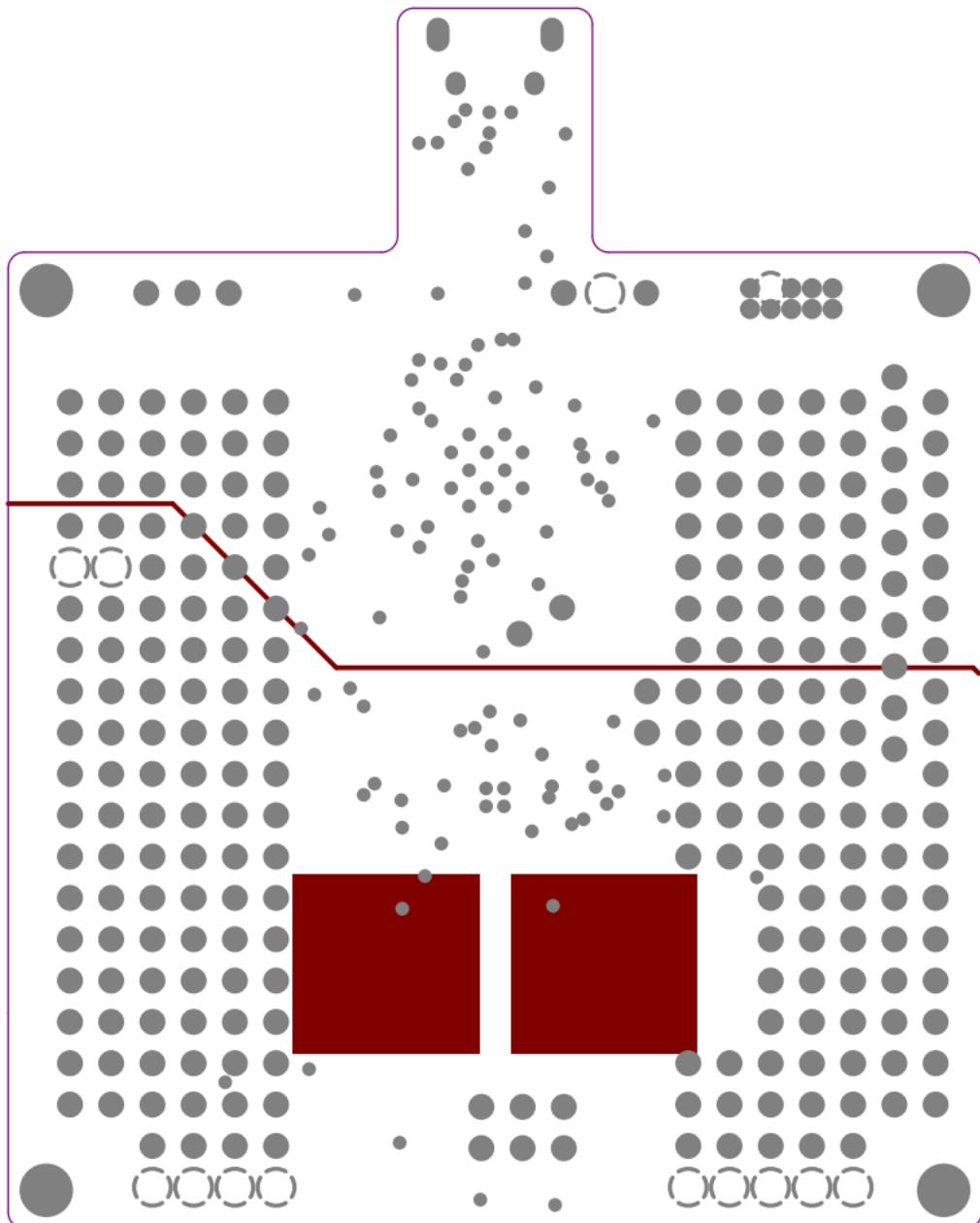
LABEL1

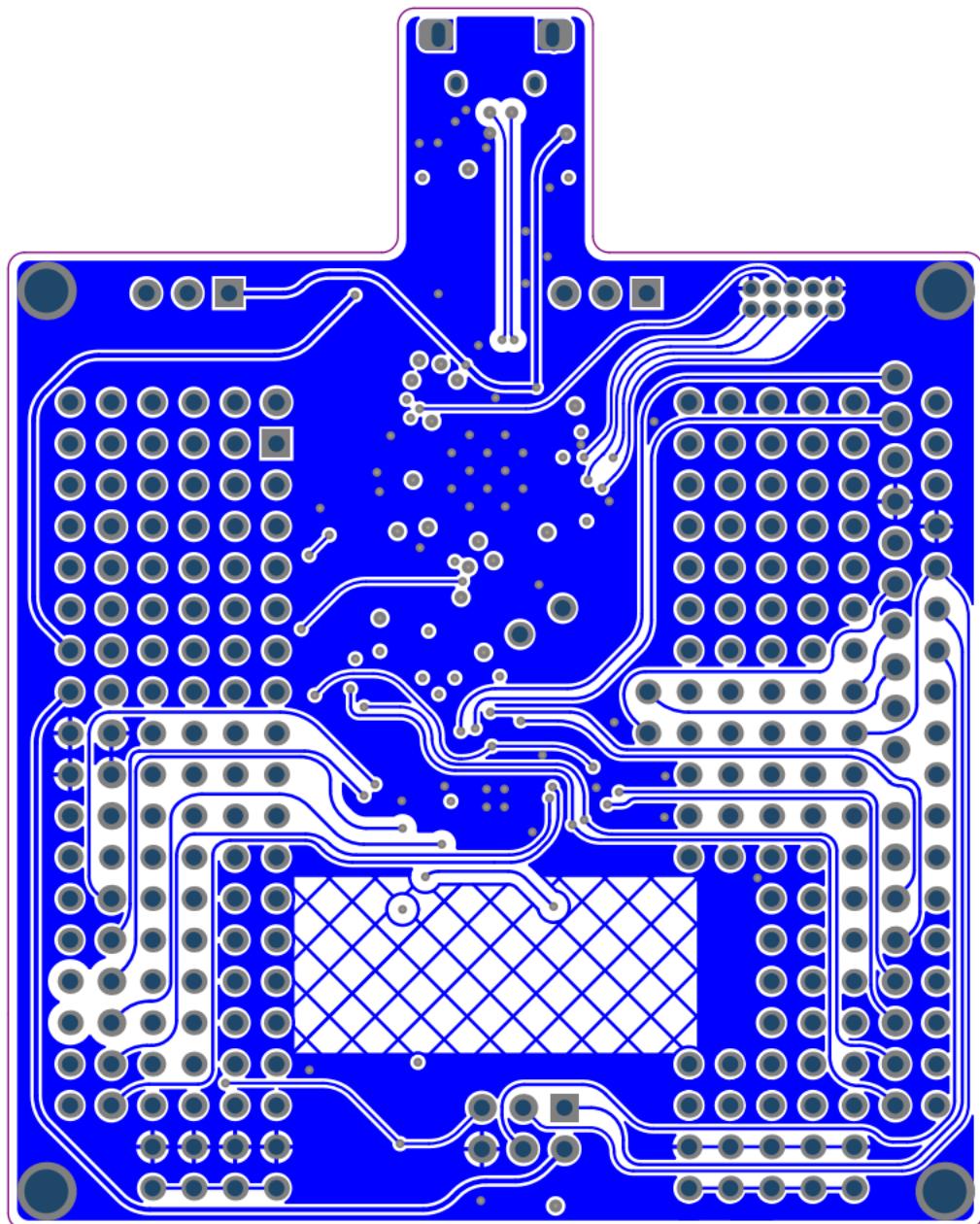












Component list

Bill of Materials Fitted For Variant [Default_assembly] of Project [ATtiny817_Xplained_Mini.PjPCB] (No PCB Document Selected)

Source Data From:

ATtiny817_Xplained_Mini.PjPCB

Project:

ATtiny817_Xplained_Mini.PjPCB

Variant:

Default_assembly

Report Date: 30.11.2016 13:55:44

Print Date: 30.11.2016 13:52:12



Fitted	Designator	Quantity	Value	Manufacturer	MPN	Description
Fitted	C100	1	10n	YAGEO CORP	CO0402KRX7R8BB103	Ceramic capacitor, SMD 0402, X7R, 25V, +/-10%
Fitted	C101	1	470nF8V	Kemet	T494B476M06AT	SMD tantalum capacitor, precision molded chip, ESR=0,5
Fitted	C102, C104, C105, C108, C109, C200, C201	7	100n	Kemet	C0402C104K4RACTU	Ceramic capacitor, SMD 0402, X7R, 16V, +/-10%
Fitted	C103	1	4.7uF	AVX	0603ZD475KA12A	Ceramic capacitor, SMD 0603, X5R, 10V, +/-10%
Fitted	C106	1	1u	Kemet	C0402C105K9PAC	Ceramic capacitor, SMD 0402, X5R, 6.3V, +/-10% (de26942)
Fitted	C110, C111	2	12pF	Kyocera-elco	CM06CG120J50AH	Ceramic capacitor, SMD 0402, NP0, 50V, +/-5% (de19819)
Fitted	D100	1	EL17-21SYGC	Everlight	EL17-21SYGC	LED, Green, Wave length=575nm SMD 0805, +/-70°
Fitted	D200	1	EL17-21UYC/A3	Everlight	17-21UYC/S530-A3/TR8	LED, Yellow, Wave length=591nm, SMD 0805, +/-70°
Fitted	F100	1	MC36213	Multicomp	MC36213	Resettable PTC fuse, $I_h = 0.5A$, $I_t = 1.0A$, 0805 package
Fitted	FV1	1	MEDBG_firmware			MEDBG firmware
Fitted	J104	1	ZX62D-B-5PA8	HIROSE	ZX62D-B-5PA8(30)	Micro USB B Connector, Standard SMT + DIP
Fitted	LABEL1	1	Label PCBA	ACT Logimark AS	505462	PCBA identification label PP Top White Gloss
Fitted	PCB1	1	ATtiny817 Xplained Mini PCB documentation			ATtiny807 Xplained Mini PCB documentation
Fitted	PCBADOC1	1	A09-2658 PCB Files			ATtiny807 Xplained Mini PCB documentation
Fitted	Q100	1	IRLML6402	International Rectifier	IRLML6402PBF	Pch. MOSFET, -30V, -3.7A continuous, $R_{DS(ON)}=0.05\Omega$ at $VGS=-4.5V$, $R_{DS(ON)}=0.08\Omega$ at $VGS=-2.5V$
Fitted	Q101	1	2N7002,215	NXP	2N7002,215	N Channel MOSFET, 60V, 0.300A continuos, 1.2A Peak, $R_{DS(ON)}=3.8\Omega$ at $VGS=4.5V$, $VGS(th)<2.5V$
Fitted	R100, R103, R104, R202, R203	5	OR	(n/a)	RMC0402ZT0R00	RES 0.0 OHM 1/16W 0402 SMD
Fitted	R102, R105, R106, R108, R209	5	100k	ASJ	CR10-1003-FK	Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R107	1	680R	ASJ	CR10-6800-FK	Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R109, R110	2	22R	Samsung	RC100SF22R0CS	Thick film resistor, SMD 0402, 1/16W, 1% (de23607)
Fitted	R206, R207, R210	3	1k	ASJ	CR10-1001-FK	Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R213, R214	2	1k	ASJ	CR10-1001-FK	Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	SW200	1	SKRAAKE010	ALPS	SKRAAKE010	6x26.2mm SMD tact switch, same as A08-0091 but less force is needed
Fitted	TEST1	1	ATtiny817 Xplained Mini test			Fixture test for ATtiny807 Xplained Pro
Fitted	TESTDOC1	1	ATtiny817 Xplained Mini Test Instructions			ATtiny807 Xplained Mini Test Instructions
Fitted	U100	1	LP2985-33DBV	Texas Instruments	LP2985-33DBV	LDO 3.3V 150mA SO123-5 1.5% (cer. cap)
Fitted	U101	1	ATmega32U4-MUR	ATMEL	ATmega32U4-MUR	ATmega32U4 QFN package
Fitted	U200	1	ATtiny817-MFR	ATMEL	ATTINY817-MFR	Atmel 8-bit RISC MCU
Fitted	XC100	1	16.0MHz	Epson Toyocom	TSX-3225_16.0000MF092-AC3	16MHz uXtal, 3.2 x 2.5 mm SMD, CL=3pF, 15PPM, ESR=80ohm(Max).
Not Fitted	C107	0	4.7n	PHY COMP	2238 587 15632	Ceramic capacitor, SMD 0402, X7R, 25V, +/-10% (de35287)
Not Fitted	J100, J102	0	HMTSW-103-23-F-S-237	SAMTEC	HMTSW-103-23-F-S-237	1x3 pin header, 2.54mm pitch, Pin-in-Paste THM, 1mm hole
Not Fitted	J101	0	PN HEADER 2x5	Garry	176-2-010-0-T-XS0-0730	2x5 pin header, 1.27mm pitch, THM
Not Fitted	J105	0	HMTSW-102-23-F-S-237	SAMTEC	HMTSW-102-23-F-S-237	1x2 pin header, 2.54mm pitch, Pin-in-Paste THM
Not Fitted	J200	0	MTSW-103-08-L-D-276	SAMTEC	MTSW-103-08-L-D-276	2x3 pin header, 2.54 mm pitch, THM
Not Fitted	J201	0	SSQ-110-21-F-S	SAMTEC	SSQ-110-21-F-S	1x10 receptacle pin header, low insertion force, 2.54mm pitch THM, Pin in Paste
Not Fitted	J202, J203	0	SSQ-108-21-F-S	SAMTEC	SSQ-108-21-F-S	1x8 receptacle pin header, low insertion force, 2.54mm pitch THM, Pin in Paste
Not Fitted	J204	0	SSQ-106-21-F-S	SAMTEC	SSQ-106-21-F-S	1x6 receptacle pin header, low insertion force, 2.54mm pitch THM
Not Fitted	R101, R200, R204, R208	0	OR	(n/a)	RMC0402ZT0R00	RES 0.0 OHM 1/16W 0402 SMD
Not Fitted	R111	0	1M	ASJ	CR10-1004-FK	Thick film resistor, SMD 0402, 1/16W, 1%
Not Fitted	R201	0	3.3k	ASJ	CR10-3301-FK	Thick film resistor, SMD 0402, 1/16W, 1%
Not Fitted	R205	0	330R	ASJ	CR10-3300-FK	Thick film resistor, SMD 0402, 1/16W, 1%

48

Approved

Notes