



Jack 2.1mm

SF1812 2A

DC +5V

USB_+5V

SW1
SW-SLIDE-3

+5

 $+3\sqrt{3}$

MN3 ADP1715ARMZ

1 EN OUT

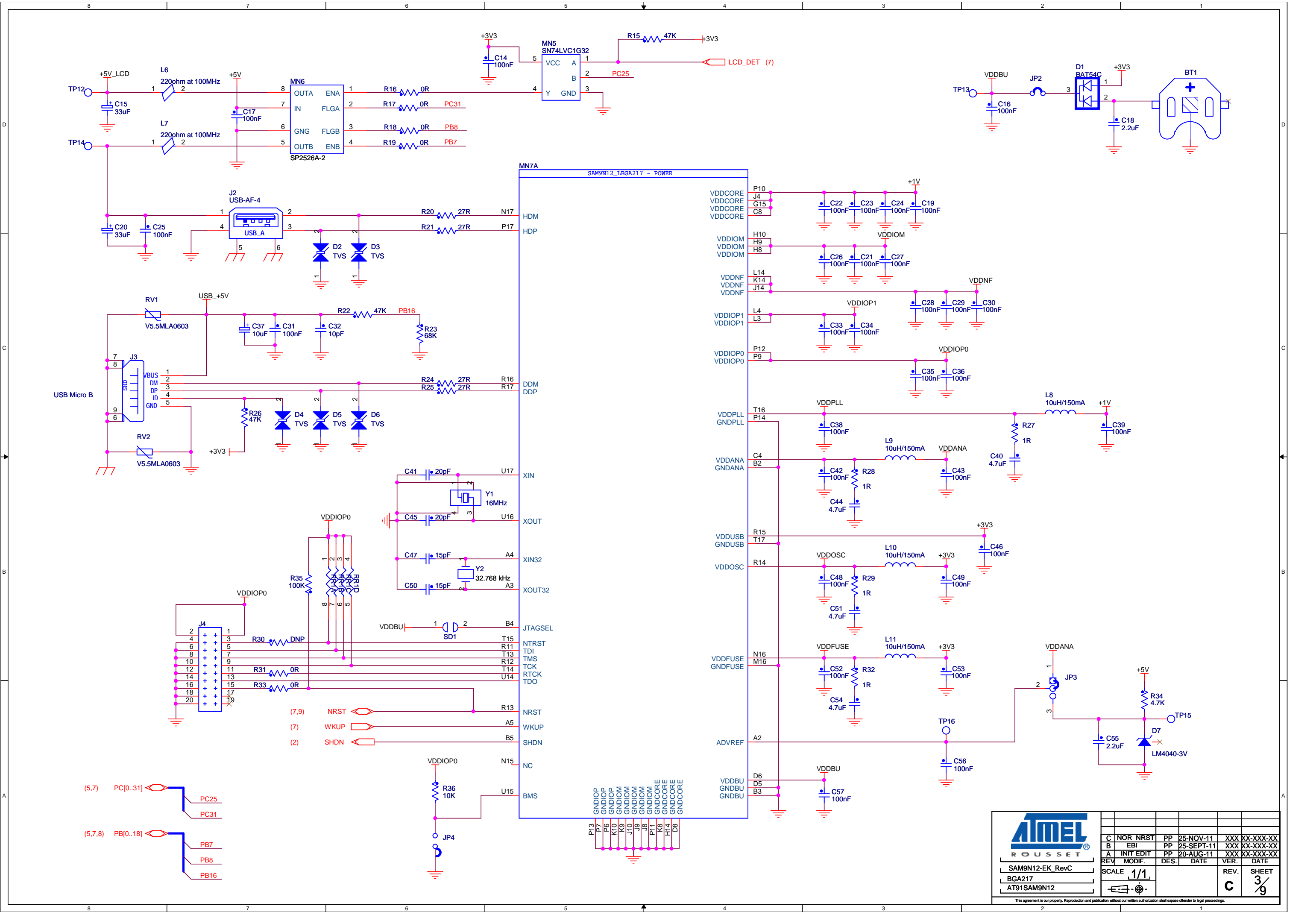
2 IN ADP1715


 R10

10uF

100nF

$$V_{OUT} = 0.8V \times (R_{top} + R_{bottom})/R_{bottom}$$

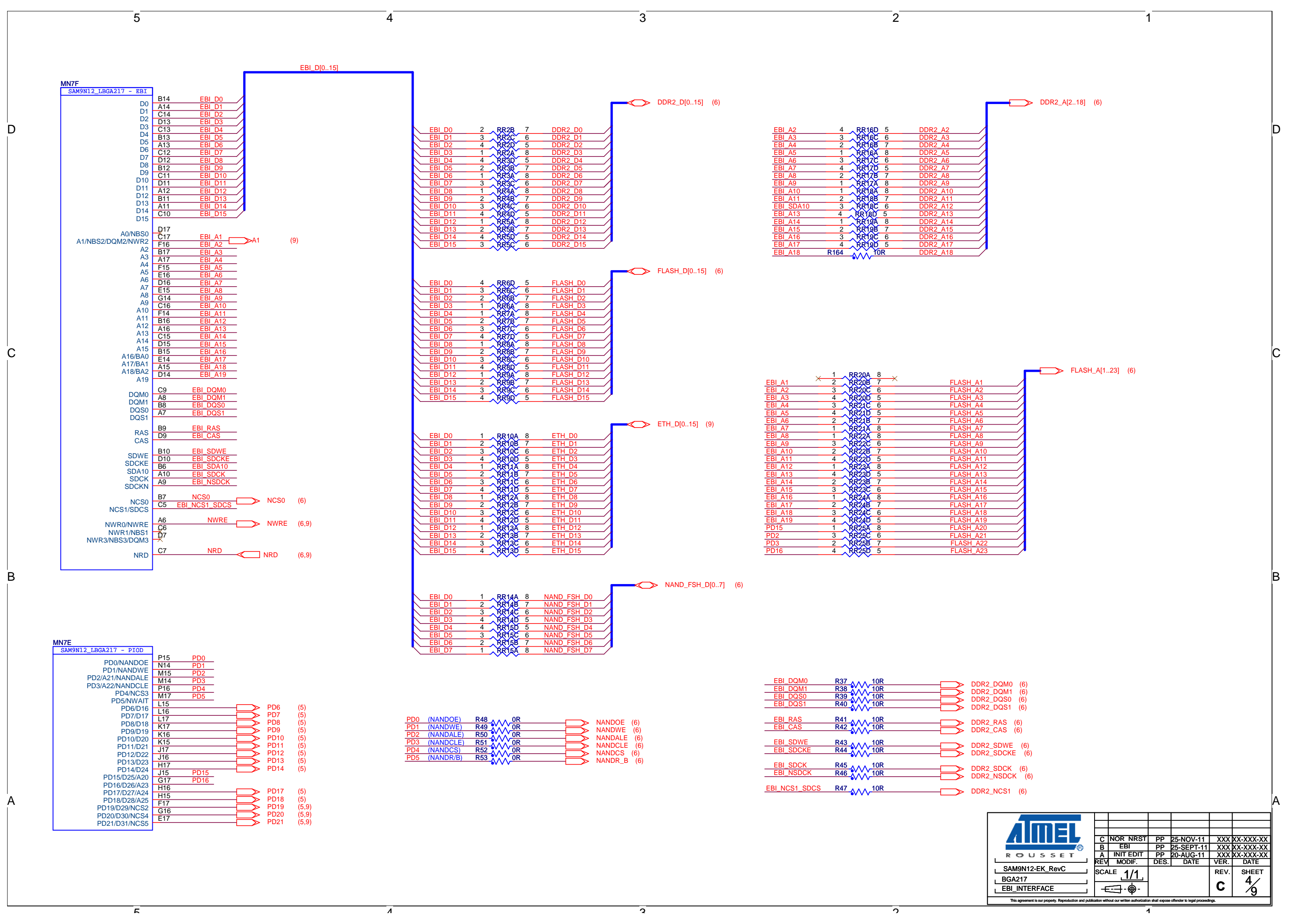






REV	MODIF.	DES.	DATE	VER.	DATE
C	NOR	NRST	PP	25-NOV-11	XXX XX-XXX-XX
B	EBI	PP	25-SEPT-11	XXX XX-XXX-XX	
A	INIT	EDIT	PP	20-AUG-11	XXX XX-XXX-XX

SCALE	1/1	REV.	C	SHEET	3/9
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B	EBI	PP	25-SEPT-11	XXX	XX-XXX-XX
A	INIT EDIT	PP	20-AUG-11	XXX	XX-XXX-XX
REV	MODIF.	DES.	DATE	REV.	DATE
SCALE 1/1				REV. C	SHEET 4/9
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MN7B	
SAM9N12_LBGA217 - PIOA	
PA0/TXD0/SPI1_NPCS1	T3 PA0
PA1/RXD0/SPI0_NPCS2	U2 PA1
PA2/RTS0	U3 PA2
PA3/CTS0	P4 PA3
PA4/SCK0	T4 PA4
PA5/TXD1	U4 PA5
PA6/RXD1	P5 PA6
PA7/TXD2/SPI0_NPCS1	R4 PA7
PA8/RXD2/SPI1_NPCS0	U6 PA8
PA9/DRXD	R5 PA9
PA10/DTXD	R6 PA10
PA11/SPI0_MISO/MCL_DA4	T5 PA11
PA12/SPI0_MOSI/MCL_DA5	T6 PA12
PA13/SPI0_SPCK/MCL_DA6	U5 PA13
PA14/SPI0_NPCS0/MCL_DA7	U7 PA14
PA15/MCL_DA0	T7 PA15
PA16/MCL_CDA	R7 PA16
PA17/MCL_CLK	U8 PA17
PA18/MCL_DA1	P8 PA18
PA19/MCL_DA2	T8 PA19
PA20/MCL_DA3	U9 PA21
PA21/TIOA0/SPI1_MISO	U10 PA22
PA22/TIOA1/SPI1_MOSI	T9 PA23
PA23/TIOA2/SPI1_SPCK	U11 PA24
PA24/TCLK0/TK	T10 PA25
PA25/TCLK1/TF	R9 PA26
PA26/TCLK2/TD	U12 PA27
PA27/TIOB0/RD	T11 PA28
PA28/TIOB1/RK	U13 PA29
PA29/TIOB2/RF	R10 PA30
PA30/TWD0/SPI1_NPCS3	T12 PA31
PA31/TWCK0/SPI1_NPCS2	

MN7C	
SAM9N12_LBGA217 - PIOB	
PB0/RTS2	F3 PB1
PB1/CTS2	F4 PB2
PB2/SCK2	F2 PB3
PB3/SPI0_NPCS3	G4 PB4
PB4	G3 PB5
PB5	D2 PB6
PB6/AD7	E2 PB7
PB7/AD8	D1 PB8
PB8/AD9	F1 PB9
PB9/AD10/PCK1	E1 PB10
PB10/AD11/PCK0	A1 PB11
PB11/AD0/PWM0	C3 PB12
PB12/AD1/PWM1	B1 PB13
PB13/AD2/PWM2	C2 PB14
PB14/AD3/PWM3	D3 PB15
PB15/AD4	C1 PB16
PB16/AD5	E3 PB17
PB17/AD6	D4 PB18
PB18/IRQ/ADTRG	

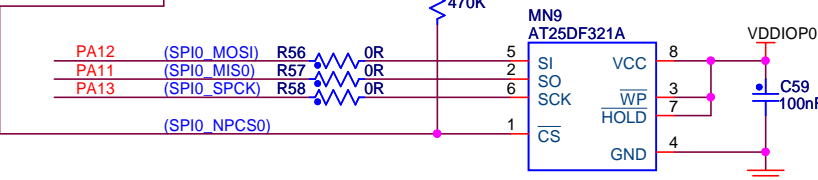
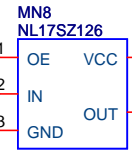
MN7D	
SAM9N12_LBGA217 - PIOC	
PC0/LCDDAT0/TWD1	G2 PC0
PC1/LCDDAT1/TWCK1	G1 PC1
PC2/LCDDAT2/TIOA3	H4 PC2
PC3/LCDDAT3/TIOB3	J1 PC3
PC4/LCDDAT4/TCLK3	H3 PC4
PC5/LCDDAT5/TIOA4	J3 PC5
PC6/LCDDAT6/TIOB4	H2 PC6
PC7/LCDDAT7/TCLK4	H1 PC7
PC8/LCDDAT8/UTXD0	K2 PC8
PC9/LCDDAT9/URXD0	J2 PC9
PC10/LCDDAT10/PWM0	L1 PC10
PC11/LCDDAT11/PWM1	K1 PC11
PC12/LCDDAT12/TIOA5	L2 PC12
PC13/LCDDAT13/TIOB5	K3 PC13
PC14/LCDDAT14/TCLK5	M1 PC14
PC15/LCDDAT15/PCK0	M2 PC15
PC16/LCDDAT16/UTXD1	K4 PC16
PC17/LCDDAT17/URXD1	M3 PC17
PC18/LCDDAT18/PWM0	N1 PC18
PC19/LCDDAT19/PWM1	N2 PC19
PC20/LCDDAT20/PWM2	N3 PC20
PC21/LCDDAT21/PWM3	P1 PC21
PC22/LCDDAT22/TXD3	P2 PC22
PC23/LCDDAT23/RXD3	P3 PC23
PC24/LCDDISP/RTS3	R1 PC24
PC25/CTS3	R3 PC25
PC26/LCDPWM/SCK3	R2 PC26
PC27/LCDVSYNC/RTS1	T1 PC27
PC28/LCDHSYNC/CTS1	M4 PC28
PC29/LCDDEN/SCK1	N4 PC29
PC30/LCDPCK	T2 PC30
PC31/FIQ/PCK1	U1 PC31

PA[0..31] (7,8)

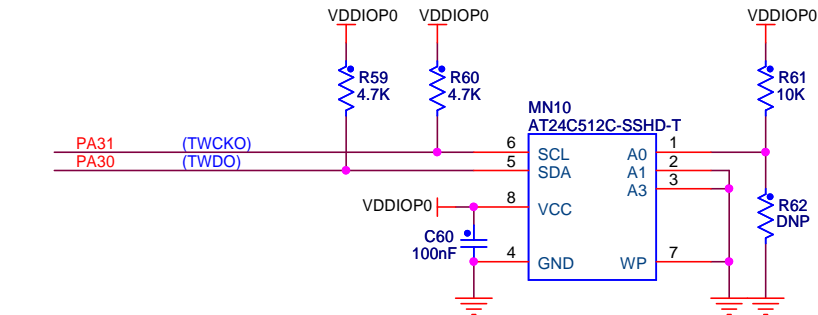
(6) OE_Dataflash

PB[0..18] (3,7,8)

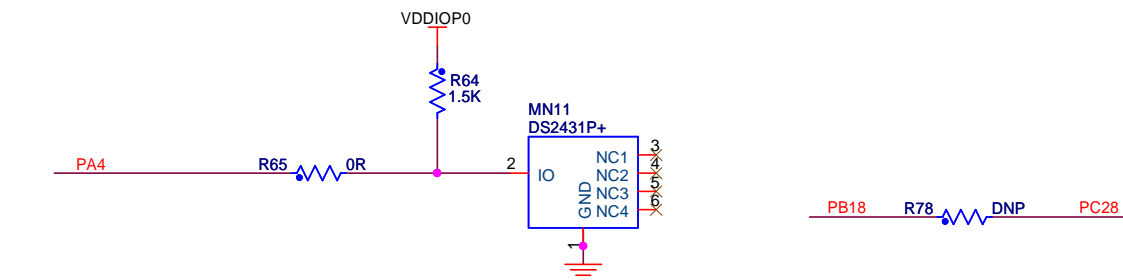
PC[0..31] (3,7)



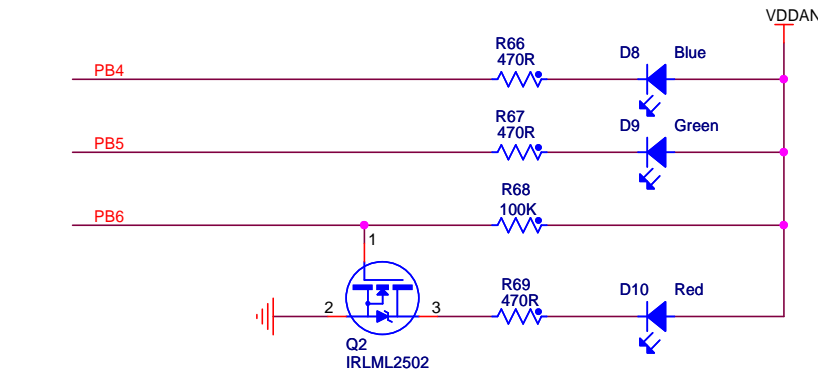
SERIAL DATAFLASH



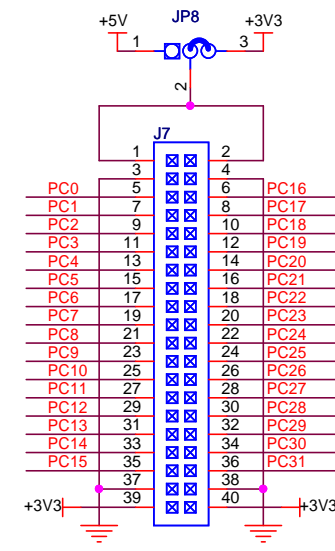
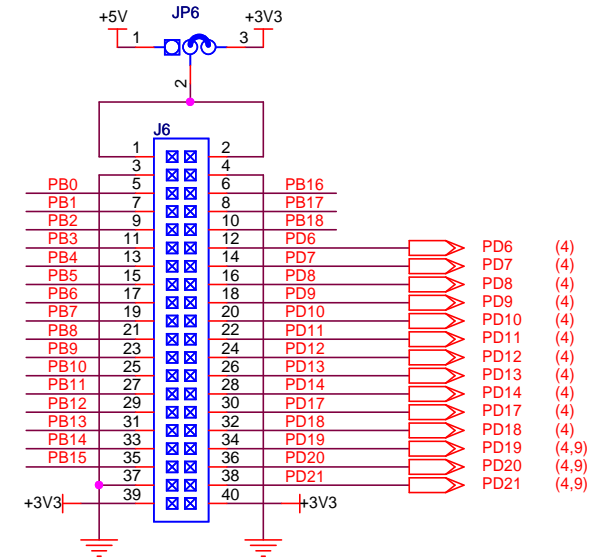
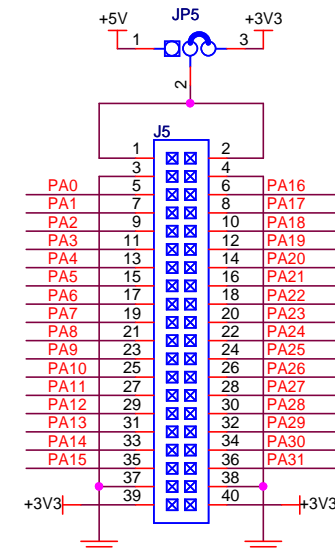
SERIAL EEPROM



1-WIRE EEPROM

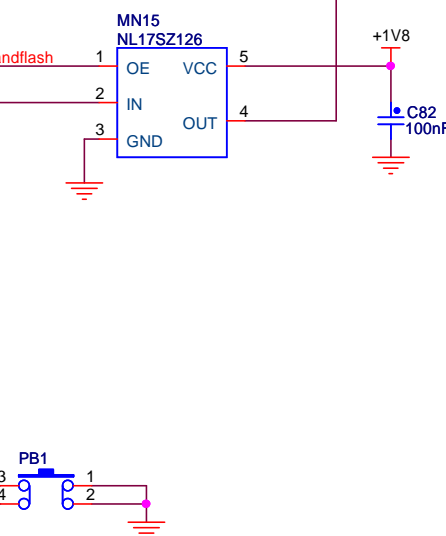
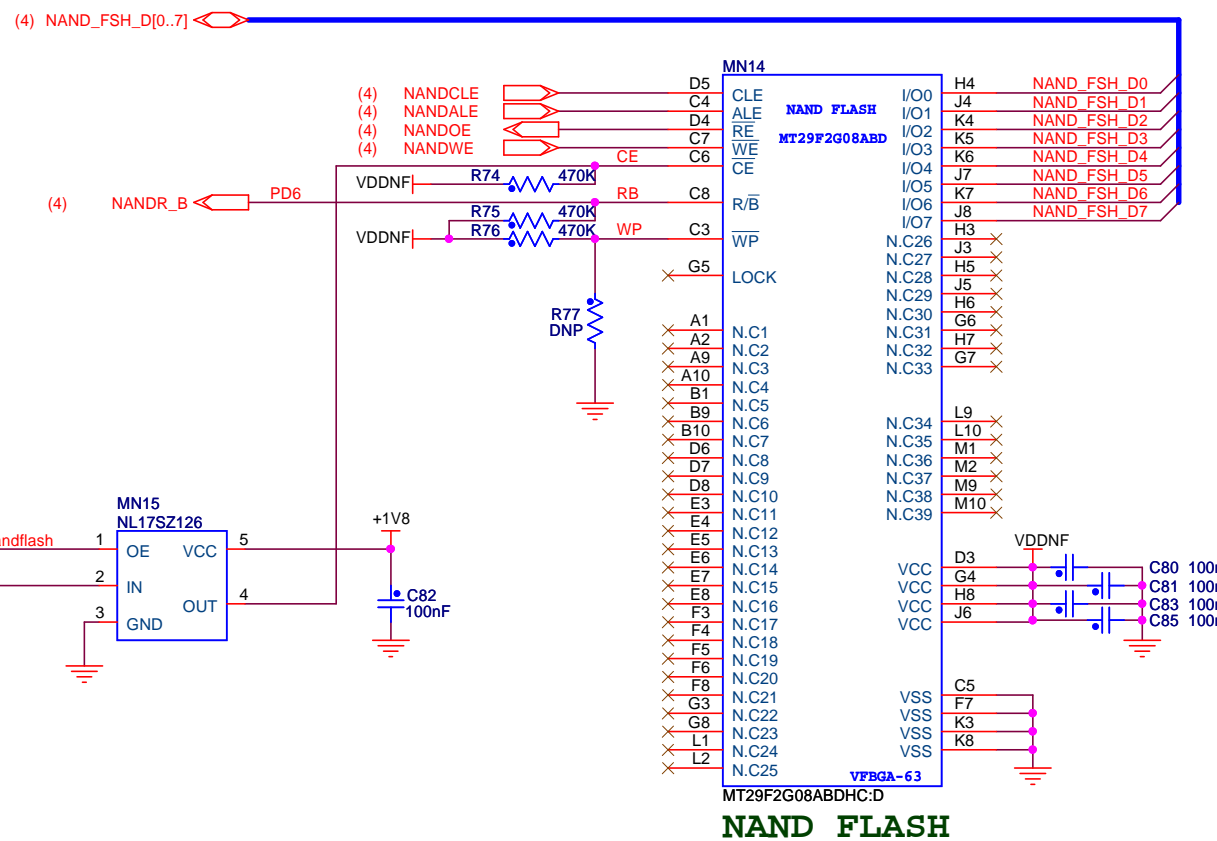
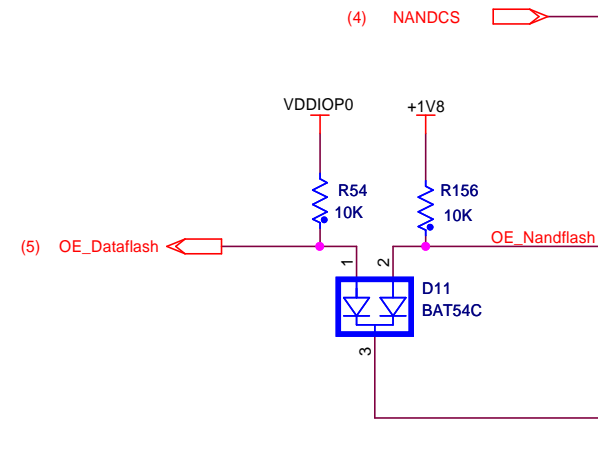




LED



ATMEL	
ROUSSET	
SAM9N12-EK_RevC	
BGA217	
PIO_INTERFACES	
C NOR NRST	PP 25-NOV-11
B EBI	PP 25-SEPT-11
A INIT EDIT	PP 20-AUG-11
REV MODIF.	DES. DATE VER. DATE
SCALE 1/1	
REV. C	SHEET 5/9

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