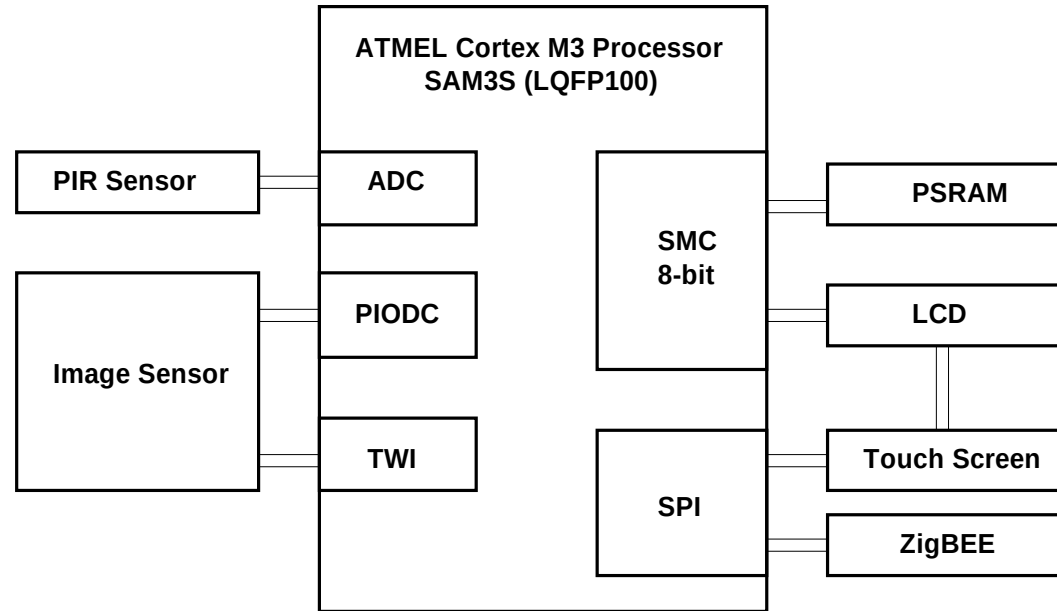


SAM3S-PIRRD Block Diagram



I/O MUXING

PIOA	USAGE	PIOA	USAGE	PIOB	USAGE	PIOC	USAGE	PIOC	USAGE
PA0	EBI_A17	PA16	PIODC_EN2	PB0	ACC High Threshold	PC0	EBI_D0	PC16	SW_OVT
PA1	EBI_A18	PA17	PIR_IN_INUT	PB1	ACC Low Threshold	PC1	EBI_D1	PC17	USB_CNXX
PA2	USER_PB	PA18	EBI_A14	PB2	TSC_BUSY/ZB_IRQ	PC2	EBI_D2	PC18	EBI_A0
PA3	TWI_D0	PA19	EBI_A15	PB3	TSC_IRQ/ZB_MISC	PC3	EBI_D3	PC19	EBI_A1
PA4	TWI_CK0	PA20	EBI_A16	PB4	ICE_TDI	PC4	EBI_D4	PC20	EBI_A2
PA5	ZB_RST	PA21	PIODC_FSIN	PB5	ICE_TDO	PC5	EBI_D5	PC21	EBI_A3
PA6	ZB_SLPTR	PA22	NCS2_LCD	PB6	ICE_TMS	PC6	EBI_D6	PC22	EBI_A4
PA7	XIN32	PA23	PIODC_PCLK	PB7	ICE_TCK	PC7	EBI_D7	PC23	EBI_A5
PA8	XOUT32	PA24	PIODC_D0	PB8	XOUT	PC8	SMC_NWE	PC24	EBI_A6
PA9	UART_RXD0	PA25	PIODC_D1	PB9	XIN	PC9	SW_PSRAM	PC25	EBI_A7
PA10	UART_TXD0	PA26	PIODC_D2	PB10	USB_DDM	PC10		PC26	EBI_A8
PA11	SPI_NPCS0	PA27	PIODC_D3	PB11	USB_DDP	PC11	SMC_NRD	PC27	EBI_A9
PA12	SPI_MISO	PA28	PIODC_D4	PB12	ERASE	PC12	USER_LED	PC28	EBI_A10
PA13	SPI_MOSI	PA29	PIODC_D5	PB13	PIODC_PCK0	PC13	LCD_BL	PC29	EBI_A11
PA14	SPI_SPCK	PA30	PIODC_D6	PB14	SPI_NPCS1	PC14	NCS0_PSRAM	PC30	EBI_A12
PA15	PIODC_EN1	PA31	PIODC_D7			PC15	OVT_RST	PC31	EBI_A13

B		INIT		NL		20 MAY 10			
A		REV		DES.		DATE		XXX	
SCALE		1/1						REV.	
SAM3S-PIRRD		Block Diagram						SHEET	
								B	
								1/3	

This agreement is our property. Reproduction and publication without our written authorization shall require reference to legal proceedings.

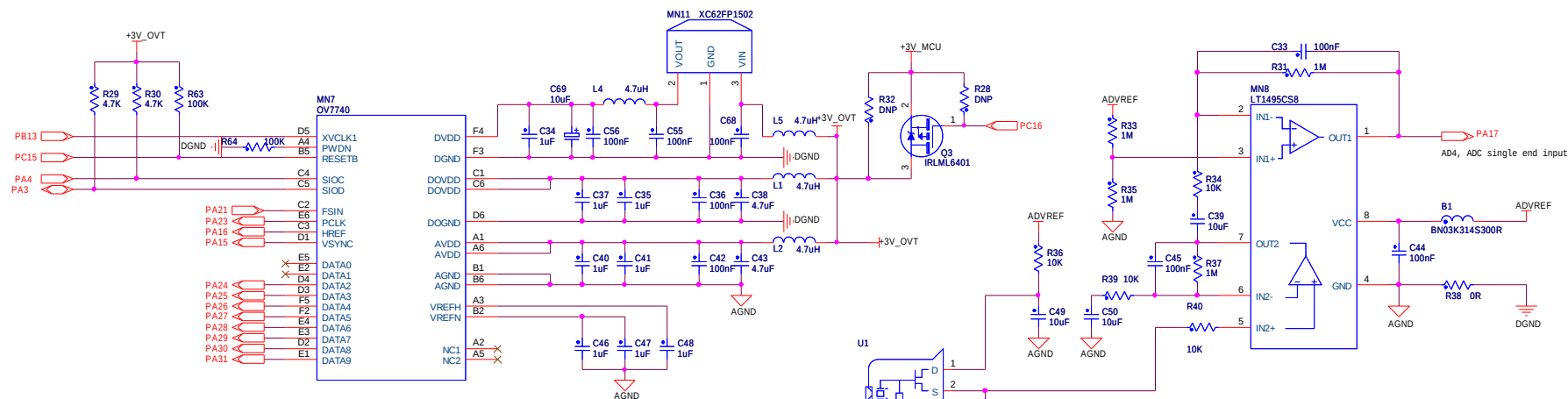
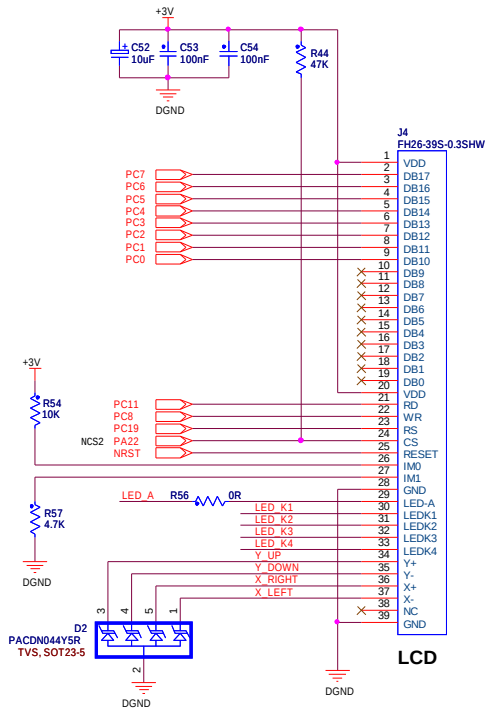
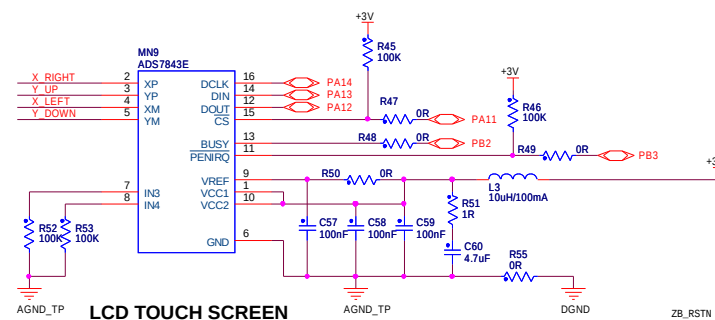


IMAGE SENSOR

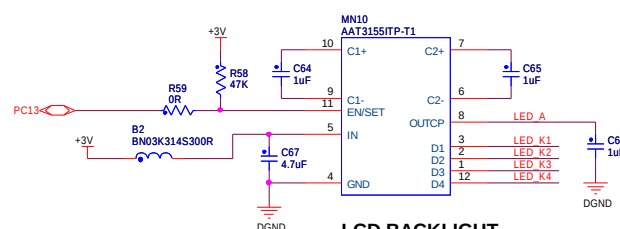
PIR SENSOR



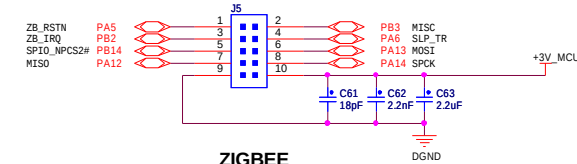
LCD



LCD TOUCH SCREEN



LCD BACKLIGHT



ZIGBEE

AMEL					
SAM3S-PIRRD		20 MAY 10		XX-XXX-XX	
Peripherals		DES.		REV.	
SCALE 1/1		DATE		SHEET 3/3	
		REV. B		DATE	