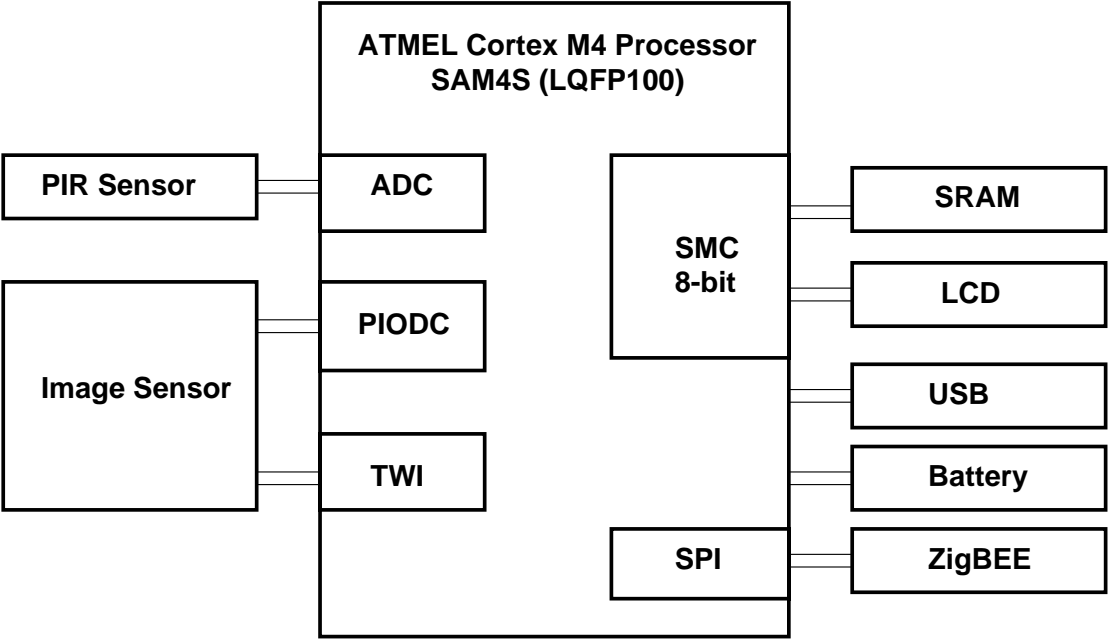


SAM4S-WPIR-RD Block Diagram

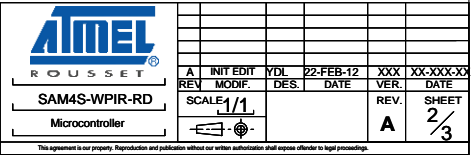


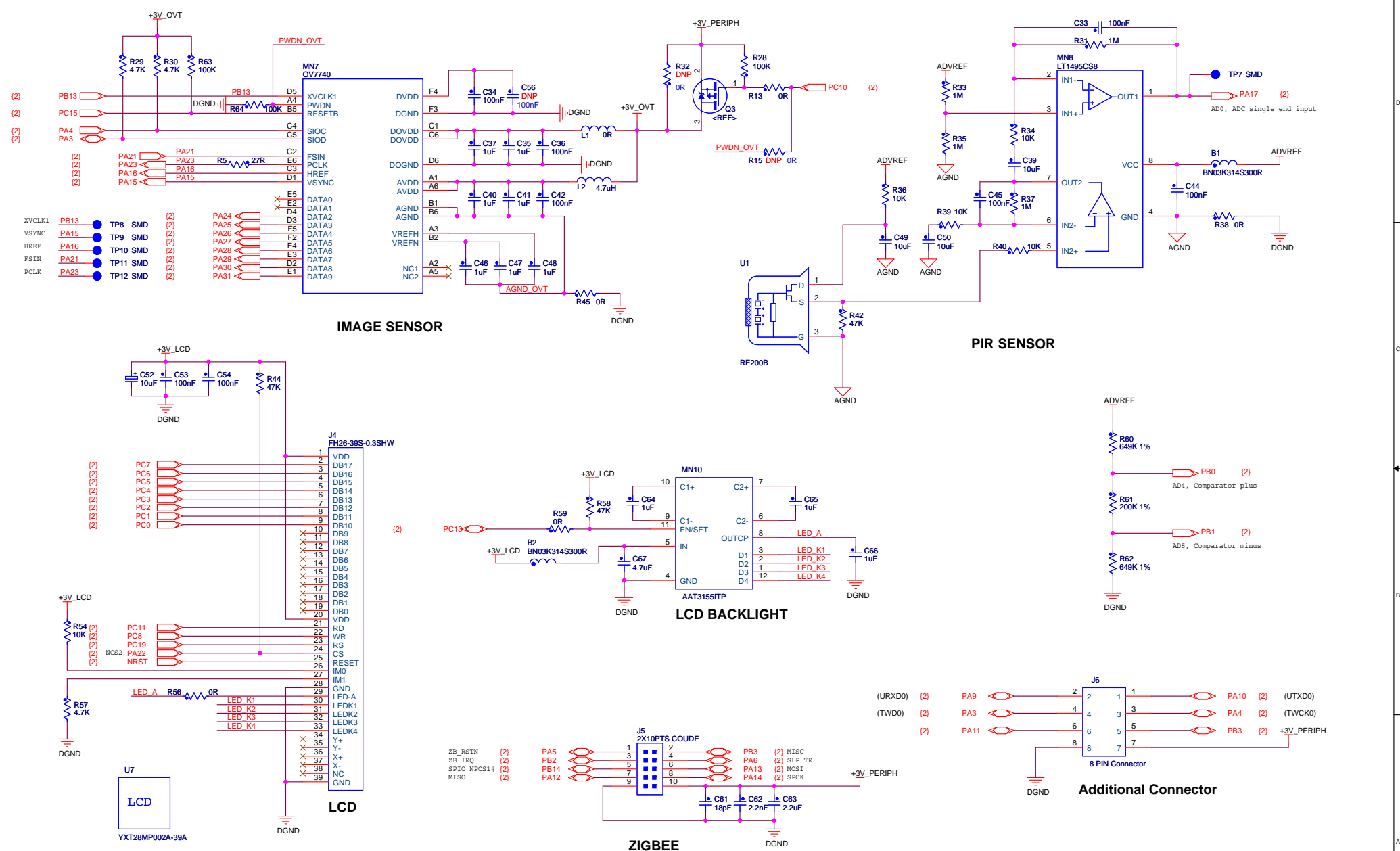
I/O MUXING

PIOA	USAGE	PIOA	USAGE	PIOB	USAGE	PIOC	USAGE	PIOC	USAGE
PA0	EBI_A17	PA16	PIODC_EN2	PB0	ACC High Threshold	PC0	EBI_D0	PC16	EBI_A19
PA1	EBI_A18	PA17	PIR_IN_INUT	PB1	ACC Low Threshold	PC1	EBI_D1	PC17	USB_CNX
PA2	USER_PB	PA18	EBI_A14	PB2	ZB_IRQ	PC2	EBI_D2	PC18	EBI_A0
PA3	TWI_D0	PA19	EBI_A15	PB3	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_SRAM	PC25	EBI_A7
PA10	UART_TXD0	PA26	PIODC_D2	PB10	USB_DDM	PC10	SW_OVT	PC26	EBI_A8
PA11	Additional CON	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_SRAM	PC30	EBI_A12
PA15	PIODC_EN1	PA31	PIODC_D7			PC15	OVT_RST	PC31	EBI_A13

A	INIT	EDIT	YDL	22-FEB-12	XXX	XX-XXX-XX
REV	MODIF.	DES.	DATE	REV.	DATE	DATE
SCALE 1/1			REV. A		SHEET 1/3	

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<b>ATMEL</b> ROUSSET									
<b>SAM4S-WPIR-RD</b>									
Peripherals									
SCALE 1/1									
REV. A									
SHEET 3/3									