

Port A Functions

Port#	A	B	C	D	Extra	Syster Net
0	PWMH0	TIOA0	A17		WKUP0	GPS_PPS
1	PWMH1	TIOB0	A18		WKUP1	
2	PWMH2	SCK0	DATRG		WKUP2	
3	TWDO	NPCS3				I2C
4	TWCKO	TCLK0			WKUP3	I2C
5	RXD0	NPCS3			WKUP4	GPS_RX
6	TXD0	PCK0				GPS_TX
7	RTS0	PWMH3				XIN32 LOS_LIU
8	CTS0	ADTRG			WKUP5	XOUT3: #RST_LIU
9	URXD0	NPCS1	PWMFI0		WKUP6	URXD0_SAMBA_RX
10	UTXD0	NPCS2	PWMFI1			UTXD0_SAMBA_TX
11	NPCS0	PWMH0			WKUP7	#SPI_CS0
12	MISO	PWMH1				SPI_MISO
13	MOSI	PWMH2				SPI_MOSO
14	SPCK	PWMH3			WKUP8	SPI_SCK
15	TF	TIOA1	PWML3		WKUP14 /PIODCEN1	
16	TK	TIOB1	PWML2		WKUP15/PIODCEN2	TX_CLK
17	TD	PCK1	PWMH3		AD0	TX_DATA
18	RD	PCK2	A14	PWMF	AD1	RX_DATA
19	RK	PWML0	A15		AD2	RX_CLK
20	RF	PWML1	A16		AD3	
21	RXD1	PCK1			AD8	CLK2048 (to LIU)
22	TXD1	NPCS3	NCS2		AD9	
23	SCK1	PWMH0	A19		PIODCCLK	
24	RTS1	PWMH1	A20		PIODC0	LED1
25	CTS1	PWMH2	A23		PIODC1	LED2
26	DCD1	TIOA2	MCDA2		PIODC2	LED3
27	DTR1	TIOB2	MCDA3		PIODC3	
28	DSR1	TCLK1	MCCDA		PIODC4	
29	RI1	TCLK2	MCCK		PIODC5	
30	PWML2	NPCS2	MCDA0		WKUP11/PIODC6	SPI_CS2
31	NPCS1	PCK2	MCDA1		PIODC7	SPI_CS1

Inst	TC0
	PWM
	TWIO
	UART0
	USART0
	USART1
	SSC
	SPI

Port B Functions

Port#	A	B	C	D	Extra	System
0	PWMH0				AD4/RTCOUT0	VCXO_EN ext pulldn
1	PWMH1				AD5/RTCOUT1	VCTCXO_EN ext pulldn
2	URXD1	NPCS2			AD6/WKUP12	TP7
3	UTXD1	PCK2			AD7	TX_CLK (ext. To SSC TK and to LIU)
4	TWD1	PWMH2				TDI
5	TWCK1	PWML0			WKUP13	TD0/TRACESWO
6						TMS/SWDIO
7						TCK/SWCLK
8						XOUT -
9						XIN SAM4S_CLK
10						DDM USB
11						DDP USB
12	PWML1					ERASE ERASE Jumper
13	PWML2	PCK0			DAC0	
14	NPCS1	PWMH3			DAC1	

Inst	TC0
	PWM
	TWI0
	TWI1
	UART1