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48	EX11-1	PA0/PWM0/TIOA0	48	EX11-1	PA0/PWM0/TIOA0
47	EX11-2	PA1/PWM1/TIOB0	47	EX11-2	PA1/PWM1/TIOB0
46	EX11-3	PA2/PWM2/SC00	46	EX11-3	PA2/PWM2/SC00
45	EX11-4	PA3/TMD/NPCS3	45	EX11-4	PA3/TMD/NPCS3
44	EX11-5	PA4/TICK/TCLK0	44	EX11-5	PA4/TICK/TCLK0
43	EX11-6	PA5/RXD0/NPCS3	43	EX11-6	PA5/RXD0/NPCS3
42	EX11-7	PA6/TXD0/PC00	42	EX11-7	PA6/TXD0/PC00
41	EX11-8	PA7/RIS0/PAH3	41	EX11-8	PA7/RIS0/PAH3
40	EX11-9	PA8/CIS0/ADTR3	40	EX11-9	PA8/CIS0/ADTR3
39	EX11-10	PA9/DIR0/NPCS1	39	EX11-10	PA9/DIR0/NPCS1
38	EX11-11	PA10/DIR0/PAH0	38	EX11-11	PA10/DIR0/PAH0
37	EX11-12	PA11/DIR0/PAH0	37	EX11-12	PA11/DIR0/PAH0
36	EX11-13	PA12/DIR0/PAH0	36	EX11-13	PA12/DIR0/PAH0
35	EX11-14	PA13/DIR0/PAH0	35	EX11-14	PA13/DIR0/PAH0
34	EX11-15	PA14/SPCK/PAH3	34	EX11-15	PA14/SPCK/PAH3
33	EX11-16	PA15/TF/TIOA1	33	EX11-16	PA15/TF/TIOA1
32	EX11-17	PA16/TK/TIOB1	32	EX11-17	PA16/TK/TIOB1
31	EX11-18	PA17/TD/PCK1/AD0	31	EX11-18	PA17/TD/PCK1/AD0
30	EX11-19	PA18/RD/PCK2/AD1	30	EX11-19	PA18/RD/PCK2/AD1
29	EX11-20	PA19/RK/FTD/AD2	29	EX11-20	PA19/RK/FTD/AD2
28	EX12-1	PA20/RP/IR00/AD3	28	EX12-1	PA20/RP/IR00/AD3
27	EX12-2	PA21/RXD1/PCK1	27	EX12-2	PA21/RXD1/PCK1
26	EX12-3	PA22/TXD1/NPCS3	26	EX12-3	PA22/TXD1/NPCS3
25	EX12-4	PA23/SCK1/PAH0	25	EX12-4	PA23/SCK1/PAH0
24	EX12-5	PA24/RIS1/PAH1	24	EX12-5	PA24/RIS1/PAH1
23	EX12-6	PA25/CTS1/PAH2	23	EX12-6	PA25/CTS1/PAH2
22	EX12-7	PA26/DIR1/TIOB2	22	EX12-7	PA26/DIR1/TIOB2
21	EX12-8	PA27/DIR1/TIOB2	21	EX12-8	PA27/DIR1/TIOB2
20	EX12-9	PA28/PDI/TCLK1	20	EX12-9	PA28/PDI/TCLK1
19	EX12-10	PA29/PDI/TCLK1	19	EX12-10	PA29/PDI/TCLK1
18	EX12-11	PA30/PDI/NPCS2	18	EX12-11	PA30/PDI/NPCS2
17	EX12-12	PA31/NPCS1/PCK2	17	EX12-12	PA31/NPCS1/PCK2
16	EX12-13	ADUREF	16	EX12-13	ADUREF
15	EX12-14	AD4	15	EX12-14	AD4
14	EX12-15	AD5	14	EX12-15	AD5
13	EX12-16	AD6	13	EX12-16	AD6
12		AD7	12		AD7

SAM7-H64 BOARD HEADER ASSIGNMENTS

EXT1			EXT2				
PA1	1	0	PA0	GND	38	39	nRST
PA3	3	2	PA2	5V-USB	36	37	3.3V
PA5	5	4	PA4	AD5	34	35	AD6
PA7	7	6	PA6	ADREF	32	33	AD4
PA9	9	8	PA8	PA30	30	31	PA31
PA11	11	10	PA10	PA29	28	29	PA29
PA13	13	12	PA12	PA26	26	27	PA27
PA15	15	14	PA14	PA24	24	25	PA25
PA17	17	16	PA16	PA22	22	23	PA23
PA19	19	18	PA18	PA20	20	21	PA21

The pin numbers are printed on the top silkscreen, the above drawings are with TOP view of the board

The distance between the headers is 1"