Table 9. Pin muxing

Port pin	PCR register	Alternate function[1], [2]	Functions	Peripheral[3]	I/O direction[4]	Pad speed[5]		Pin	
						SRC = 0	SRC = 1	100-pin	144-pin
Port A (16-bit). Fully available on 100-pin and 144-pin package.									
A[0]	PCR[0]	ALT0 ALT1 ALT2 ALT3 —	GPIO[0] ETC[0] SCK F[0] EIRQ[0]	SIU Lite eTimer0 DSPI2 FCU0 SIU Lite	I/O I/O I/O O I	Slow	Medium	51	73
A[1]	PCR[1]	ALT0 ALT1 ALT2 ALT3 —	GPIO[1] ETC[1] SOUT F[1] EIRQ[1]	SIU Lite eTimer0 DSPI2 FCU0 SIU Lite	I/O I/O O O I	Slow	Medium	52	74
A[2][6]	PCR[2]	ALT0 ALT1 ALT2 ALT3 — — —	GPIO[2] ETC[2] — A[3] SIN ABS[0] EIRQ[2]	SIU Lite eTimer0 — FlexPWM0 DSPI2 mc_rgm SIU Lite	I/O I/O — O I I I	Slow	Medium	57	84
A[3][6]	PCR[3]	ALT0 ALT1 ALT2 ALT3 — —	GPIO[3] ETC[3] CS0 B[3] ABS[1] EIRQ[3]	SIU Lite eTimer0 DSPI2 FlexPWM0 mc_rgm SIU Lite	I/O I/O I/O O I I	Slow	Medium	64	92
A[4][6]	PCR[4]	ALT0 ALT1 ALT2 ALT3 — —	GPIO[4] ETC[0] CS1 ETC[4] FAB EIRQ[4]	SIU Lite eTimer1 DSPI2 eTimer0 mc_rgm SIU Lite	I/O I/O O I/O I I	Slow	Medium	75	108
A[5]	PCR[5]	ALT0 ALT1 ALT2 ALT3 —	GPIO[5] CS0 ETC[5] CS7 EIRQ[5]	SIU Lite DSPI1 eTimer1 DSPI0 SIU Lite	I/O I/O I/O O I	Slow	Medium	8	14
A[6]	PCR[6]	ALT0 ALT1 ALT2 ALT3 —	GPIO[6] SCK — — EIRQ[6]	SIU Lite DSPI1 — — SIU Lite	I/O I/O — — I	Slow	Medium	2	2

Table 9. Pin muxing (continued)

Port pin	PCR register	Alternate function[1], [2]	Functions	Peripheral[3]	I/O direction[4]	Pad speed[5]		Pin	
						SRC = 0	SRC = 1	100-pin	144-pin
A[7]	PCR[7]	ALT0	GPIO[7]	SIU Lite	I/O	Slow	Medium	4	10
		ALT1	SOUT	DSPI1	O				
		ALT2	—	—	—				
		ALT3	—	—	—				
		—	EIRQ[7]	SIU Lite	I				
A[8]	PCR[8]	ALT0	GPIO[8]	SIU Lite	I/O	Slow	Medium	6	12
		ALT1	—	—	—				
		ALT2	—	—	—				
		ALT3	—	—	—				
		—	SIN	DSPI1	I				
		—	EIRQ[8]	SIU Lite	I				
A[9]	PCR[9]	ALT0	GPIO[9]	SIU Lite	I/O	Slow	Medium	94	134
		ALT1	CS1	DSPI2	O				
		ALT2	—	—	—				
		ALT3	B[3]	FlexPWM0	O				
		—	FAULT[0]	FlexPWM0	I				
A[10]	PCR[10]	ALT0	GPIO[10]	SIU Lite	I/O	Slow	Medium	81	118
		ALT1	CS0	DSPI2	I/O				
		ALT2	B[0]	FlexPWM0	O				
		ALT3	X[2]	FlexPWM0	I/O				
		—	EIRQ[9]	SIU Lite	I				
A[11]	PCR[11]	ALT0	GPIO[11]	SIU Lite	I/O	Slow	Medium	82	120
		ALT1	SCK	DSPI2	I/O				
		ALT2	A[0]	FlexPWM0	O				
		ALT3	A[2]	FlexPWM0	O				
		—	EIRQ[10]	SIU Lite	I				
A[12]	PCR[12]	ALT0	GPIO[12]	SIU Lite	I/O	Slow	Medium	83	122
		ALT1	SOUT	DSPI2	O				
		ALT2	A[2]	FlexPWM0	O				
		ALT3	B[2]	FlexPWM0	O				
		—	EIRQ[11]	SIU Lite	I				
A[13]	PCR[13]	ALT0	GPIO[13]	SIU Lite	I/O	Slow	Medium	95	136
		ALT1	—	—	—				
		ALT2	B[2]	FlexPWM0	O				
		ALT3	—	—	—				
		—	SIN	DSPI2	I				
		—	FAULT[0]	FlexPWM0	I				
		—	EIRQ[12]	SIU Lite	I				

Table 9. Pin muxing (continued)

Port pin	PCR register	Alternate function[1],[2]	Functions	Peripheral[3]	I/O direction[4]	Pad speed[5]		Pin	
						SRC = 0	SRC = 1	100-pin	144-pin
A[14]	PCR[14]	ALT0	GPIO[14]	SIU Lite	I/O	Slow	Medium	99	143
		ALT1	TXD	Safety Port0	O				
		ALT2	ETC[4]	eTimer1	I/O				
		ALT3	—	—	—				
		—	EIRQ[13]	SIU Lite	I				
A[15]	PCR[15]	ALT0	GPIO[15]	SIU Lite	I/O	Slow	Medium	100	144
		ALT1	—	—	—				
		ALT2	ETC[5]	eTimer1	I/O				
		ALT3	—	—	—				
		—	RXD	Safety Port0	I				
		—	EIRQ[14]	SIU Lite	I				
Port B (16-bit). Fully available on 100-pin and 144-pin package.									
B[0]	PCR[16]	ALT0	GPIO[16]	SIU Lite	I/O	Slow	Medium	76	109
		ALT1	TXD	CAN0	O				
		ALT2	ETC[2]	eTimer1	I/O				
		ALT3	DEBUG[0]	SSCM	—				
		—	EIRQ[15]	SIU Lite	I				
B[1]	PCR[17]	ALT0	GPIO[17]	SIU Lite	I/O	Slow	Medium	77	110
		ALT1	—	—	—				
		ALT2	ETC[3]	eTimer1	I/O				
		ALT3	DEBUG[1]	SSCM	—				
		—	RXD	CAN0	I				
		—	EIRQ[16]	SIU Lite	I				
B[2]	PCR[18]	ALT0	GPIO[18]	SIU Lite	I/O	Slow	Medium	79	114
		ALT1	TXD	LIN0	O				
		ALT2	—	—	—				
		ALT3	DEBUG[2]	SSCM	—				
		—	EIRQ[17]	SIU Lite	I				
B[3]	PCR[19]	ALT0	GPIO[19]	SIU Lite	I/O	Slow	Medium	80	116
		ALT1	—	—	—				
		ALT2	—	—	—				
		ALT3	DEBUG[3]	SSCM	—				
		—	RXD	LIN0	I				
B[6]	PCR[22]	ALT0	GPIO[22]	SIU Lite	I/O	Slow	Medium	96	138
		ALT1	CLKOUT	Control	O				
		ALT2	CS2	DSPI2	O				
		ALT3	—	—	—				
		—	EIRQ[18]	SIU Lite	I				

Table 9. Pin muxing (continued)

Port pin	PCR register	Alternate function[1], [2]	Functions	Peripheral[3]	I/O direction[4]	Pad speed[5]		Pin	
						SRC = 0	SRC = 1	100-pin	144-pin
B[7]	PCR[23]	ALT0 ALT1 ALT2 ALT3 — —	GPIO[23] — — — AN[0] RXD	SIU Lite — — — ADC0 LIN0	Input Only	—	—	29	43
B[8]	PCR[24]	ALT0 ALT1 ALT2 ALT3 — —	GPIO[24] — — — AN[1] ETC[5]	SIU Lite — — — ADC0 eTimer0	Input Only	—	—	31	47
B[9]	PCR[25]	ALT0 ALT1 ALT2 ALT3 —	GPIO[25] — — — AN[11]	SIU Lite — — — ADC0 – ADC1	Input Only	—	—	35	52
B[10]	PCR[26]	ALT0 ALT1 ALT2 ALT3 —	GPIO[26] — — — AN[12]	SIU Lite — — — ADC0 – ADC1	Input Only	—	—	36	53
B[11]	PCR[27]	ALT0 ALT1 ALT2 ALT3 —	GPIO[27] — — — AN[13]	SIU Lite — — — ADC0 – ADC1	Input Only	—	—	37	54
B[12]	PCR[28]	ALT0 ALT1 ALT2 ALT3 —	GPIO[28] — — — AN[14]	SIU Lite — — — ADC0 – ADC1	Input Only	—	—	38	55
B[13]	PCR[29]	ALT0 ALT1 ALT2 ALT3 — —	GPIO[29] — — — AN[0] RXD	SIU Lite — — — ADC1 LIN1	Input Only	—	—	42	60

Table 9. Pin muxing (continued)

Port pin	PCR register	Alternate function[1],[2]	Functions	Peripheral[3]	I/O direction[4]	Pad speed[5]		Pin	
						SRC = 0	SRC = 1	100-pin	144-pin
B[14]	PCR[30]	ALT0 ALT1 ALT2 ALT3 — — —	GPIO[30] — — — AN[1] ETC[4] EIRQ[19]	SIU Lite — — — ADC1 eTimer0 SIU Lite	Input Only	—	—	44	64
B[15]	PCR[31]	ALT0 ALT1 ALT2 ALT3 — —	GPIO[31] — — — AN[2] EIRQ[20]	SIU Lite — — — ADC1 SIU Lite	Input Only	—	—	43	62
Port C (16-bit). Fully available on 100-pin and 144-pin package.									
C[0]	PCR[32]	ALT0 ALT1 ALT2 ALT3 —	GPIO[32] — — — AN[3]	SIU Lite — — — ADC1	Input Only	—	—	45	66
C[1]	PCR[33]	ALT0 ALT1 ALT2 ALT3 —	GPIO[33] — — — AN[2]	SIU Lite — — — ADC0	Input Only	—	—	28	41
C[2]	PCR[34]	ALT0 ALT1 ALT2 ALT3 —	GPIO[34] — — — AN[3]	SIU Lite — — — ADC0	Input Only	—	—	30	45
C[3]	PCR[35]	ALT0 ALT1 ALT2 ALT3 —	GPIO[35] CS1 ETC[4] TXD EIRQ[21]	SIU Lite DSPI0 eTimer1 LIN1 SIU Lite	I/O O I/O O I	Slow	Medium	10	16
C[4]	PCR[36]	ALT0 ALT1 ALT2 ALT3 —	GPIO[36] CS0 X[1] DEBUG[4] EIRQ[22]	SIU Lite DSPI0 FlexPWM0 SSCM SIU Lite	I/O I/O I/O — I	Slow	Medium	5	11

Table 9. Pin muxing (continued)

Port pin	PCR register	Alternate function[(1),(2)]	Functions	Peripheral[(3)]	I/O direction[(4)]	Pad speed[(5)]		Pin	
						SRC = 0	SRC = 1	100-pin	144-pin
C[5]	PCR[37]	ALT0 ALT1 ALT2 ALT3 — —	GPIO[37] SCK — DEBUG[5] FAULT[3] EIRQ[23]	SIU Lite DSPI0 — SSCM FlexPWM0 SIU Lite	I/O I/O — — I I	Slow	Medium	7	13
C[6]	PCR[38]	ALT0 ALT1 ALT2 ALT3 —	GPIO[38] SOUT B[1] DEBUG[6] EIRQ[24]	SIU Lite DSPI0 FlexPWM0 SSCM SIU Lite	I/O O O — I	Slow	Medium	98	142
C[7]	PCR[39]	ALT0 ALT1 ALT2 ALT3 —	GPIO[39] — A[1] DEBUG[7] SIN	SIU Lite — FlexPWM0 SSCM DSPI0	I/O — O — I	Slow	Medium	9	15
C[8]	PCR[40]	ALT0 ALT1 ALT2 ALT3 —	GPIO[40] CS1 — CS6 FAULT[2]	SIU Lite DSPI1 — DSPI0 FlexPWM0	I/O O — O I	Slow	Medium	91	130
C[9]	PCR[41]	ALT0 ALT1 ALT2 ALT3 —	GPIO[41] CS3 — X[3] FAULT[2]	SIU Lite DSPI2 — FlexPWM0 FlexPWM0	I/O O — I/O I	Slow	Medium	84	123
C[10]	PCR[42]	ALT0 ALT1 ALT2 ALT3 —	GPIO[42] CS2 — A[3] FAULT[1]	SIU Lite DSPI2 — FlexPWM0 FlexPWM0	I/O O — O I	Slow	Medium	78	111
C[11]	PCR[43]	ALT0 ALT1 ALT2 ALT3	GPIO[43] ETC[4] CS2 CS0	SIU Lite eTimer0 DSPI2 DSPI3	I/O I/O O I/O	Slow	Medium	55	80
C[12]	PCR[44]	ALT0 ALT1 ALT2 ALT3	GPIO[44] ETC[5] CS3 CS1	SIU Lite eTimer0 DSPI2 DSPI3	I/O I/O O O	Slow	Medium	56	82

Table 9. Pin muxing (continued)

Port pin	PCR register	Alternate function[1],[2]	Functions	Peripheral[3]	I/O direction[4]	Pad speed[5]		Pin	
						SRC = 0	SRC = 1	100-pin	144-pin
C[13]	PCR[45]	ALT0 ALT1 ALT2 ALT3 — —	GPIO[45] ETC[1] — — EXT IN EXT. SYNC	SIU Lite eTimer1 — — ctu0 FlexPWM0	I/O I/O — — I I	Slow	Medium	71	101
C[14]	PCR[46]	ALT0 ALT1 ALT2 ALT3	GPIO[46] ETC[2] EXT TGR —	SIU Lite eTimer1 ctu0 —	I/O I/O O —	Slow	Medium	72	103
C[15]	PCR[47]	ALT0 ALT1 ALT2 ALT3 — —	GPIO[47] CA TR EN ETC[0] A[1] EXT IN EXT. SYNC	SIU Lite FlexRay0 eTimer1 FlexPWM0 ctu0 FlexPWM0	I/O O I/O O I I	Slow	Symmetric	85	124
Port D (16-bit). Fully available on 100-pin and 144-pin package.									
D[0]	PCR[48]	ALT0 ALT1 ALT2 ALT3	GPIO[48] CA TX ETC[1] B[1]	SIU Lite FlexRay0 eTimer1 FlexPWM0	I/O O I/O O	Slow	Symmetric	86	125
D[1]	PCR[49]	ALT0 ALT1 ALT2 ALT3 —	GPIO[49] — ETC[2] EXT TRG CA RX	SIU Lite — eTimer1 ctu0 FlexRay0	I/O — I/O O I	Slow	Medium	3	3
D[2]	PCR[50]	ALT0 ALT1 ALT2 ALT3 —	GPIO[50] — ETC[3] X[3] CB RX	SIU Lite — eTimer1 FlexPWM0 FlexRay0	I/O — I/O I/O I	Slow	Medium	97	140
D[3]	PCR[51]	ALT0 ALT1 ALT2 ALT3	GPIO[51] CB TX ETC[4] A[3]	SIU Lite FlexRay0 eTimer1 FlexPWM0	I/O O I/O O	Slow	Symmetric	89	128
D[4]	PCR[52]	ALT0 ALT1 ALT2 ALT3	GPIO[52] CB TR EN ETC[5] B[3]	SIU Lite FlexRay0 eTimer1 FlexPWM0	I/O O I/O O	Slow	Symmetric	90	129

Table 9. Pin muxing (continued)

Port pin	PCR register	Alternate function[1],[2]	Functions	Peripheral[3]	I/O direction[4]	Pad speed[5]		Pin	
						SRC = 0	SRC = 1	100-pin	144-pin
D[5]	PCR[53]	ALT0	GPIO[53]	SIU Lite	I/O	Slow	Medium	22	33
		ALT1	CS3	DSPI0	O				
		ALT2	F[0]	FCU0	O				
		ALT3	SOUT	DSPI3	O				
D[6]	PCR[54]	ALT0	GPIO[54]	SIU Lite	I/O	Slow	Medium	23	34
		ALT1	CS2	DSPI0	O				
		ALT2	SCK	DSPI3	I/O				
		ALT3	—	—	—				
		—	FAULT[1]	FlexPWM0	I				
D[7]	PCR[55]	ALT0	GPIO[55]	SIU Lite	I/O	Slow	Medium	26	37
		ALT1	CS3	DSPI1	O				
		ALT2	F[1]	FCU0	O				
		ALT3	CS4	DSPI0	O				
		—	SIN	DSPI3	I				
D[8]	PCR[56]	ALT0	GPIO[56]	SIU Lite	I/O	Slow	Medium	21	32
		ALT1	CS2	DSPI1	O				
		ALT2	—	—	—				
		ALT3	CS5	DSPI0	O				
		—	FAULT[3]	FlexPWM0	I				
D[9]	PCR[57]	ALT0	GPIO[57]	SIU Lite	I/O	Slow	Medium	15	26
		ALT1	X[0]	FlexPWM0	I/O				
		ALT2	TXD	LIN1	O				
		ALT3	—	—	—				
D[10]	PCR[58]	ALT0	GPIO[58]	SIU Lite	I/O	Slow	Medium	53	76
		ALT1	A[0]	FlexPWM0	O				
		ALT2	CS0	DSPI3	I/O				
		ALT3	—	—	—				
D[11]	PCR[59]	ALT0	GPIO[59]	SIU Lite	I/O	Slow	Medium	54	78
		ALT1	B[0]	FlexPWM0	O				
		ALT2	CS1	DSPI3	O				
		ALT3	SCK	DSPI3	I/O				
D[12]	PCR[60]	ALT0	GPIO[60]	SIU Lite	I/O	Slow	Medium	70	99
		ALT1	X[1]	FlexPWM0	I/O				
		ALT2	—	—	—				
		ALT3	—	—	—				
		—	RXD	LIN1	I				
D[13]	PCR[61]	ALT0	GPIO[61]	SIU Lite	I/O	Slow	Medium	67	95
		ALT1	A[1]	FlexPWM0	O				
		ALT2	CS2	DSPI3	O				
		ALT3	SOUT	DSPI3	O				

Table 9. Pin muxing (continued)

Port pin	PCR register	Alternate function[1],[2]	Functions	Peripheral[3]	I/O direction[4]	Pad speed[5]		Pin	
						SRC = 0	SRC = 1	100-pin	144-pin
D[14]	PCR[62]	ALT0	GPIO[62]	SIU Lite	I/O	Slow	Medium	73	105
		ALT1	B[1]	FlexPWM0	O				
		ALT2	CS3	DSPI3	O				
		ALT3	—	—	—				
		—	SIN	DSPI3	I				
D[15]	PCR[63]	ALT0	GPIO[63]	SIU Lite	Input Only	—	—	41	58
		ALT1	—	—					
		ALT2	—	—					
		ALT3	—	—					
		—	AN[4]	ADC1					
Port E(16-bit). Fully available on 144-pin package. E[0], E[1] and E[2] available on 100-pin package.									
E[0]	PCR[64]	ALT0	GPIO[64]	SIU Lite	Input Only	—	—	46	68
		ALT1	—	—					
		ALT2	—	—					
		ALT3	—	—					
		—	AN[5]	ADC1					
E[1]	PCR[65]	ALT0	GPIO[65]	SIU Lite	Input Only	—	—	27	39
		ALT1	—	—					
		ALT2	—	—					
		ALT3	—	—					
		—	AN[4]	ADC0					
E[2]	PCR[66]	ALT0	GPIO[66]	SIU Lite	Input Only	—	—	32	49
		ALT1	—	—					
		ALT2	—	—					
		ALT3	—	—					
		—	AN[5]	ADC0					
E[3]	PCR[67]	ALT0	GPIO[67]	SIU Lite	Input Only	—	—	—	40
		ALT1	—	—					
		ALT2	—	—					
		ALT3	—	—					
		—	AN[6]	ADC0					
E[4]	PCR[68]	ALT0	GPIO[68]	SIU Lite	Input Only	—	—	—	42
		ALT1	—	—					
		ALT2	—	—					
		ALT3	—	—					
		—	AN[7]	ADC0					
E[5]	PCR[69]	ALT0	GPIO[69]	SIU Lite	Input Only	—	—	—	44
		ALT1	—	—					
		ALT2	—	—					
		ALT3	—	—					
		—	AN[8]	ADC0					

Table 9. Pin muxing (continued)

Port pin	PCR register	Alternate function[1],[2]	Functions	Peripheral[3]	I/O direction[4]	Pad speed[5]		Pin	
						SRC = 0	SRC = 1	100-pin	144-pin
E[6]	PCR[70]	ALT0 ALT1 ALT2 ALT3 —	GPIO[70] — — — AN[9]	SIU Lite — — — ADC0	Input Only	—	—	—	46
E[7]	PCR[71]	ALT0 ALT1 ALT2 ALT3 —	GPIO[71] — — — AN[10]	SIU Lite — — — ADC0	Input Only	—	—	—	48
E[8]	PCR[72]	ALT0 ALT1 ALT2 ALT3 —	GPIO[72] — — — AN[6]	SIU Lite — — — ADC1	Input Only	—	—	—	59
E[9]	PCR[73]	ALT0 ALT1 ALT2 ALT3 —	GPIO[73] — — — AN[7]	SIU Lite — — — ADC1	Input Only	—	—	—	61
E[10]	PCR[74]	ALT0 ALT1 ALT2 ALT3 —	GPIO[74] — — — AN[8]	SIU Lite — — — ADC1	Input Only	—	—	—	63
E[11]	PCR[75]	ALT0 ALT1 ALT2 ALT3 —	GPIO[75] — — — AN[9]	SIU Lite — — — ADC1	Input Only	—	—	—	65
E[12]	PCR[76]	ALT0 ALT1 ALT2 ALT3 —	GPIO[76] — — — AN[10]	SIU Lite — — — ADC1	Input Only	—	—	—	67
E[13]	PCR[77]	ALT0 ALT1 ALT2 ALT3 —	GPIO[77] SCK — — EIRQ[25]	SIU Lite DSPI3 — — SIU Lite	I/O I/O — — I	Slow	Medium	—	117

Table 9. Pin muxing (continued)

Port pin	PCR register	Alternate function[1],[2]	Functions	Peripheral[3]	I/O direction[4]	Pad speed[5]		Pin	
						SRC = 0	SRC = 1	100-pin	144-pin
E[14]	PCR[78]	ALT0 ALT1 ALT2 ALT3 —	GPIO[78] SOUT — — EIRQ[26]	SIU Lite DSPI3 — — SIU Lite	I/O O — — I	Slow	Medium	—	119
E[15]	PCR[79]	ALT0 ALT1 ALT2 ALT3 — —	GPIO[79] — — — SIN EIRQ[27]	SIU Lite — — — DSPI3 SIU Lite	I/O — — — I I	Slow	Medium	—	121
Port F (16-bit). Fully available on 144-pin package									
F[0]	PCR[80]	ALT0 ALT1 ALT2 ALT3 —	GPIO[80] DBG0 CS3 — EIRQ[28]	SIU Lite FlexRay0 DSPI3 — SIU Lite	I/O O O — I	Slow	Medium	—	133
F[1]	PCR[81]	ALT0 ALT1 ALT2 ALT3 —	GPIO[81] DBG1 CS2 — EIRQ[29]	SIU Lite FlexRay0 DSPI3 — SIU Lite	I/O O O — I	Slow	Medium	—	135
F[2]	PCR[82]	ALT0 ALT1 ALT2 ALT3	GPIO[82] DBG2 CS1 —	SIU Lite FlexRay0 DSPI3 —	I/O O O —	Slow	Medium	—	137
F[3]	PCR[83]	ALT0 ALT1 ALT2 ALT3	GPIO[83] DBG3 CS0 —	SIU Lite FlexRay0 DSPI3 —	I/O O I/O —	Slow	Medium	—	139
F[4]	PCR[84]	ALT0 ALT1 ALT2 ALT3	GPIO[84] MDO[3] — —	SIU Lite nexus0 — —	I/O O — —	Slow	Fast	—	4
F[5]	PCR[85]	ALT0 ALT1 ALT2 ALT3	GPIO[85] MDO[2] — —	SIU Lite nexus0 — —	I/O O — —	Slow	Fast	—	5

Table 9. Pin muxing (continued)

Port pin	PCR register	Alternate function[1],[2]	Functions	Peripheral[3]	I/O direction[4]	Pad speed[5]		Pin	
						SRC = 0	SRC = 1	100-pin	144-pin
F[6]	PCR[86]	ALT0 ALT1 ALT2 ALT3	GPIO[86] MDO[1] — —	SIU Lite nexus0 — —	I/O O — —	Slow	Fast	—	8
F[7]	PCR[87]	ALT0 ALT1 ALT2 ALT3	GPIO[87] MCKO — —	SIU Lite nexus0 — —	I/O O — —	Slow	Fast	—	19
F[8]	PCR[88]	ALT0 ALT1 ALT2 ALT3	GPIO[88] MSEO1 — —	SIU Lite nexus0 — —	I/O O — —	Slow	Fast	—	20
F[9]	PCR[89]	ALT0 ALT1 ALT2 ALT3	GPIO[89] MSEO0 — —	SIU Lite nexus0 — —	I/O O — —	Slow	Fast	—	23
F[10]	PCR[90]	ALT0 ALT1 ALT2 ALT3	GPIO[90] EVTO — —	SIU Lite nexus0 — —	I/O O — —	Slow	Fast	—	24
F[11]	PCR[91]	ALT0 ALT1 ALT2 ALT3 —	GPIO[91] — — — EVTI	SIU Lite — — — nexus0	I/O — — — I	Slow	Medium	—	25
F[12]	PCR[92]	ALT0 ALT1 ALT2 ALT3	GPIO[92] ETC[3] — —	SIU Lite eTimer1 — —	I/O I/O — —	Slow	Medium	—	106
F[13]	PCR[93]	ALT0 ALT1 ALT2 ALT3 —	GPIO[93] — — — ETC[4]	SIU Lite — — — eTimer1	I/O — — — I	Slow	Medium	—	112
F[14]	PCR[94]	ALT0 ALT1 ALT2 ALT3	GPIO[94] TXD — —	SIU Lite LIN1 — —	I/O O — —	Slow	Medium	—	115

Table 9. Pin muxing (continued)

Port pin	PCR register	Alternate function[1], [2]	Functions	Peripheral[3]	I/O direction[4]	Pad speed[5]		Pin	
						SRC = 0	SRC = 1	100-pin	144-pin
F[15]	PCR[95]	ALT0	GPIO[95]	SIU Lite	I/O	Slow	Medium	—	113
		ALT1	—	—	—				
		ALT2	—	—	—				
		ALT3	—	—	—				
		—	RXD	LIN1	I				
Port G (12-bit). Fully available on 144-pin package.									
G[0]	PCR[96]	ALT0	GPIO[96]	SIU Lite	I/O	Slow	Medium	—	38
		ALT1	F[0]	FCU0	O				
		ALT2	—	—	—				
		ALT3	—	—	—				
		—	EIRQ[30]	SIU Lite	I				
G[1]	PCR[97]	ALT0	GPIO[97]	SIU Lite	I/O	Slow	Medium	—	141
		ALT1	F[1]	FCU0	O				
		ALT2	—	—	—				
		ALT3	—	—	—				
		—	EIRQ[31]	SIU Lite	I				
G[2]	PCR[98]	ALT0	GPIO[98]	SIU Lite	I/O	Slow	Medium	—	102
		ALT1	X[2]	FlexPWM0	I/O				
		ALT2	—	—	—				
		ALT3	—	—	—				
G[3]	PCR[99]	ALT0	GPIO[99]	SIU Lite	I/O	Slow	Medium	—	104
		ALT1	A[2]	FlexPWM0	O				
		ALT2	—	—	—				
		ALT3	—	—	—				
G[4]	PCR[100]	ALT0	GPIO[100]	SIU Lite	I/O	Slow	Medium	—	100
		ALT1	B[2]	FlexPWM0	O				
		ALT2	—	—	—				
		ALT3	—	—	—				
G[5]	PCR[101]	ALT0	GPIO[101]	SIU Lite	I/O	Slow	Medium	—	85
		ALT1	X[3]	FlexPWM0	I/O				
		ALT2	—	—	—				
		ALT3	—	—	—				
G[6]	PCR[102]	ALT0	GPIO[102]	SIU Lite	I/O	Slow	Medium	—	98
		ALT1	A[3]	FlexPWM0	O				
		ALT2	—	—	—				
		ALT3	—	—	—				
G[7]	PCR[103]	ALT0	GPIO[103]	SIU Lite	I/O	Slow	Medium	—	83
		ALT1	B[3]	FlexPWM0	O				
		ALT2	—	—	—				
		ALT3	—	—	—				

Table 9. Pin muxing (continued)

Port pin	PCR register	Alternate function[1],[2]	Functions	Peripheral[3]	I/O direction[4]	Pad speed[5]		Pin	
						SRC = 0	SRC = 1	100-pin	144-pin
G[8]	PCR[104]	ALT0	GPIO[104]	SIU Lite	I/O	Slow	Medium	—	81
		ALT1	—	—	—				
		ALT2	—	—	—				
		ALT3	—	—	—				
		—	FAULT[0]	FlexPWM0	I				
G[9]	PCR[105]	ALT0	GPIO[105]	SIU Lite	I/O	Slow	Medium	—	79
		ALT1	—	—	—				
		ALT2	—	—	—				
		ALT3	—	—	—				
		—	FAULT[1]	FlexPWM0	I				
G[10]	PCR[106]	ALT0	GPIO[106]	SIU Lite	I/O	Slow	Medium	—	77
		ALT1	—	—	—				
		ALT2	—	—	—				
		ALT3	—	—	—				
		—	FAULT[2]	FlexPWM0	I				
G[11]	PCR[107]	ALT0	GPIO[107]	SIU Lite	I/O	Slow	Medium	—	75
		ALT1	—	—	—				
		ALT2	—	—	—				
		ALT3	—	—	—				
		—	FAULT[3]	FlexPWM0	I				

1. ALT0 is the primary (default) function for each port after reset.

2. Alternate functions are chosen by setting the values of the PCR[PA] bitfields inside the SIU module.
   PCR[PA] = 00 → ALT0; PCR[PA] = 01 → ALT1; PCR[PA] = 10 → ALT2; PCR[PA] = 11 → ALT3. This is intended to select the output functions; to use one of the input-only functions, the PCR[IBE] bit must be written to '1', regardless of the values selected in the PCR[PA] bitfields. For this reason, the value corresponding to an input only function is reported as "—".

3. Module included on the MCU.

4. Multiple inputs are routed to all respective modules internally. The input of some modules must be configured by setting the values of the PSMI[PADSEL*x*] bitfields inside the SIUL module.

5. Programmable via the SRC (Slew Rate Control) bits in the respective Pad Configuration Register.

6. Weak pull down during reset.

3.4   CTU / ADCs / FlexPWM / eTimers connections

Figure 9 shows the interconnections between the CTU, ADCs, FlexPWM, and eTimers.