

12.2.9 System Clock Gating Control Register 5 (SIM_SCGC5)

Address: 4004_7000h base + 1038h offset = 4004_8038h

Bit	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
R	0												SLCD	0		
W																
Reset	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Bit	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
R	0		PORTE	PORTD	PORTC	PORTB	PORTA	1	0		TSI		0		1	LPTMR
W																
Reset	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0

SIM_SCGC5 field descriptions

Field	Description
31–20 Reserved	This field is reserved. This read-only field is reserved and always has the value 0.
19 SLCD	Segment LCD Clock Gate Control This bit controls the clock gate to the Segment LCD module. 0 Clock disabled 1 Clock enabled
18–14 Reserved	This field is reserved. This read-only field is reserved and always has the value 0.
13 PORTE	Port E Clock Gate Control This bit controls the clock gate to the Port E module. 0 Clock disabled 1 Clock enabled
12 PORTD	Port D Clock Gate Control Controls the clock gate to the Port D module. 0 Clock disabled 1 Clock enabled
11 PORTC	Port C Clock Gate Control This bit controls the clock gate to the Port C module. 0 Clock disabled 1 Clock enabled

Table continues on the next page...

SIM_SCGC5 field descriptions (continued)

Field	Description
10 PORTB	Port B Clock Gate Control Controls the clock gate to the Port B module. 0 Clock disabled 1 Clock enabled
9 PORTA	Port A Clock Gate Control Controls the clock gate to the Port A module. 0 Clock disabled 1 Clock enabled
8–7 Reserved	This field is reserved. This read-only field is reserved and always has the value 1.
6 Reserved	This field is reserved. This read-only field is reserved and always has the value 0.
5 TSI	TSI Access Control This bit controls software access to the TSI module. 0 Access disabled 1 Access enabled
4–2 Reserved	This field is reserved. This read-only field is reserved and always has the value 0.
1 Reserved	This field is reserved. This read-only field is reserved and always has the value 1.
0 LPTMR	Low Power Timer Access Control This bit controls software access to the Low Power Timer module. 0 Access disabled 1 Access enabled