Register Definition

C1SR - AC1 Control and status registers

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address: 0x2F				Defaults: 0x80			
Bit	7	6	5	4	3	2	1	0
Name	C1D	C1BG	C1O	C1I	C1IE	C1IC	C1IS1	C1IS0
R / W	R / W	R / W	R	R / W	R / W	R / W	R / W	R / W

Bit	Name description	
7	C1D	Analog Comparator Disable bit. When set C1D Bit "1" When the analog comparator is turned off. When set C1D Bit "0" When the analog comparator is turned on.
6	C1BG	Analog comparator 1 Positive input source selection. C1BG versus C1XR Register C1PS0 Jointly set AC1 The positive terminal of the input source, { C1BG, C1PS0 } = 00 = AC1P As the positive input terminal 01 = ACXP As the positive input terminal 10 = internal DAC As the positive input terminal of the output 11 = shut down AC1 The positive terminal of the input source
5	C1O	Analog output status bit comparator. The output of the analog comparator is connected directly to the sync after C1O Bit. Software can read C1O Bit value to obtain an output value of the analog comparator.
4	C1I	Analog comparator interrupt flag. When the analog comparator output event triggered by C1IS Bits defined interrupt mode, C1I Bit is set. When the interrupt enable bit C1IE for "1" And the Global Interrupt is set when an interrupt is generated. When performing analog comparator interrupt service routine, C1I Will be automatically cleared or C1I Write bit "1" Also clears the bit.
3	C1IE	Analog Comparator interrupt enable bit. When set C1IE Bit 1 And enable global interrupt, AC1 The interrupt is enabled. When set C1IE Bit 0 , AC1 Interrupts are disabled.
2	C1IC Analog comparator input Capture Enable	

C1IC = 1, Timing counter 1 The input capture source output from the analog comparator.

C1IC = 0, Timing counter 1 Capture source from an external input pin ICP1 .

1	C1IS1 Analog Comparator Interrupt Mode Control high.	
0	C1IS0 Analog Comparator Interrupt Mode Control low. C1IS0 with C1IS1 Together form C1PS [1: 0] ,	

Used to control analog comparator interrupt trigger.

C1IS [1: 0]	Interrupt Mode
00	AC1 The transition edge
01	Reservations.
10	AC1 The falling edge
11	AC1 The rising edge of the trigger