

Dead time enabled mode OC1A Polarity control signal output waveform

DTEN1	COM1A [1: 0]	COM1B [1: 0]	description
0	-	-	OC1A Signal polarity by the OC1A Compare output mode control
1	0	-	OC1A Disconnect, GM IO Port operations
1	1	-	Retention
1	2	2	OC1A Signals OC1B Signals with the same polarity
		3	OC1A Signals OC1B Opposite signal polarity
1	3	2	OC1A Signals OC1B Opposite signal polarity
		3	OC1A Signals OC1B Signals with the same polarity

【note】：

OC1B The polarity of the signal output from the waveform OC1B Compare output control mode, so that the same can not dead time mode.

TCCR1D -TC1 Control register D

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address: 0x83					Defaults: 0x00			
Bit	7	6	5	4	3	2	1	0
	DSX17 DSX16 DSX15 DSX14				-	-	DSX11 DSX10	
R / WR / W		R / W	R / W	R / W	-	- R / W		R / W
Bit	Name description							
7	DSX17	<p>TC1 Select the trigger source control enables the first 7 Bit. When set DSX17 Bit "1" Time, TC0 As the output of the comparator is off the overflow signal waveform OC1A / OC1B The trigger source is enabled. when DOC1A / DOC1B Bit "1"</p> <p>Rising edge triggered interrupt source, the selected flag register bits will automatically shut down OC1A / OC1B The waveform output. When set DSX17 Bit "0" Time, TC0 As the output of the comparator is off the overflow signal waveform OC1A / OC1B The trigger source is prohibited.</p>						
6	DSX16	<p>TC1 Select the trigger source control enables the first 6 Bit. When set DSX16 Bit "1" Time, TC2 As the output of the comparator is off the overflow signal waveform OC1A / OC1B The trigger source is enabled. when DOC1A / DOC1B Bit "1"</p> <p>Rising edge triggered interrupt source, the selected flag register bits will automatically shut down OC1A / OC1B The waveform output. When set DSX16 Bit "0" Time, TC2 As the output of the comparator is off the overflow signal waveform OC1A / OC1B The trigger source is prohibited.</p>						
5	DSX15	<p>TC1 Select the trigger source control enables the first 5 Bit. When set DSX15 Bit "1" When, pin change 1 As a comparison output signal waveform is off OC1A / OC1B The trigger source is enabled. when DOC1A / DOC1B Bit "1" Rising edge triggered interrupt source, the selected flag register bits will automatically shut down OC1A / OC1B The waveform output. When set DSX15 Bit "0" When, pin change 1 As a comparison output signal waveform is off OC1A / OC1B The trigger source is prohibited.</p>						
4	DSX14	<p>TC1 Select the trigger source control enables the first 4 Bit. When set DSX14 Bit "1" When the external interrupt 1 As a comparison output signal waveform is off OC1A / OC1B The trigger source is enabled. when DOC1A / DOC1B Bit</p>						