

Xilinx

Zynq FPGA

TI DSP MCU 기반의  
프로그래밍 및 회로 설계 전문가

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학생 김민호

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```
1 #include "HL_sys_common.h"
2 #include "HL_system.h"
3 #include "HL_het.h"
4
5 int main(void)
6 {
7     hetInit();
8     while(1);
9
10    return 0;
11 }
12
13 |
```

# HetPWM

설정

- ☒ Enable HET drivers
  - ☒ Enable HET1 driver \*\*
  - ☐ Enable HET2 driver \*\*

driver 설정

HET1 Global Timing Configuration

Pwm 0-7

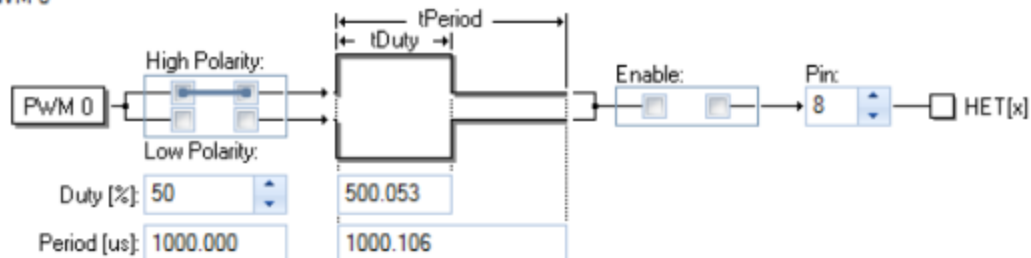
Pwm Interrupts

Edge 0-7

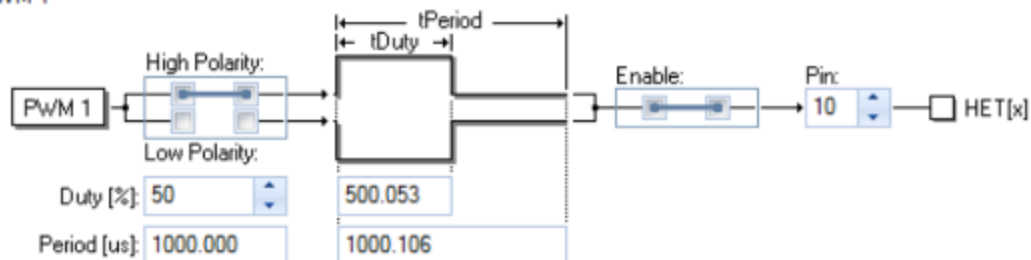
Edge Interrupts

Cap 0-7

PWM 0



PWM 1



PWM 2

Bit 10

DOUT: 0



DIR:



PDR:



PSL:

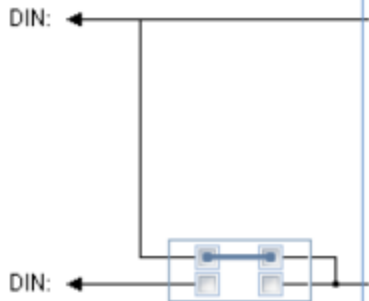


Bit 11

AN

15	NHET107_W2FCGZO	◇	..	NHET1[07]/OHCI_RCFG_PrtPower[1]/W2FC_GZO/NHET2[14]
11	NHET108_OHCIOverCurrent0	◇	E18	NHET1[08]/MIBSPI1SIMO[1]/MII_TXD[3]/OHCI_PRT_OvrCurrent[0]
15	NHET109_W2FCSUSPENDO	◇	V7	NHET1[09]/NHET2[16]/OHCI_RCFG_suspend[1]/W2FC_SUSPENDO
11	NHET110_OHCITxEnL0	◇	D19	NHET1[10]/MII_TX_CLK/OHCI_RCFG_txEnL[0]/MII_TX_AVCLK4
15	NHET111_W2FCVBUSI	◇	E3	NHET1[11]/MIBSPI3NCS[4]/NHET2[18]/OHCI_PRT_OvrCurrent[1]/W2FC_VBUSI
18	NHET112_RMII CRS_DV	◇	B4	NHET1[12]/MII_CRS/RMII_CRS_DV
~	NHET113_C0RTV	^	N2	...

HR Share



HR Share

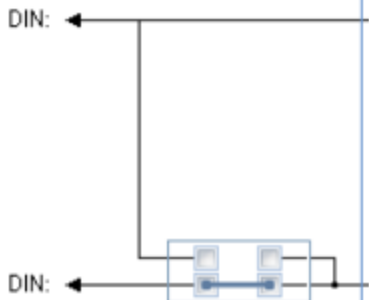


Table 23-73. Instruction Summary

Abbreviation	Instruction Name	Opcode	Sub-Opcode	Cycles <sup>(1)</sup>
ACMP	Angle Compare	Ch	-	1
ACNT	Angle Count	9h	-	2
ADCNST	Add Constant	5h	-	2
ADC	Add with Carry and Shift	4h	C[25:23] = 011, C5 = 1	1-3
ADD	Add and Shift	4h	C[25:23] = 001, C5 = 1	1-3
ADM32	Add Move 32	4h	C[25:23] = 000, C5 = 1	1-2
AND	Bitwise AND and Shift	4h	C[25:23] = 010, C5 = 1	1-3
APCNT	Angle Period Count	Eh	-	1-2
BR	Branch	Dh	-	1
CNT	Count	6h	-	1-2
DADM64	Data Add Move 64	2h	-	2
DJZ	Decrement and Jump if -zero	Ah	P[7:6] = 10	1
ECMP	Equality Compare	0h	C[6:5] = 00	1
ECNT	Event Count	Ah	P[7:6] = 01	1
MCMP	Magnitude Compare	0h	C[6] = 1	1
MOV32	Move 32	4h	C[5] = 0	1-2
MOV64	Move 64	1h	-	1
OR	Bitwise OR	4h	C[25:23] = 100, C5 = 1	1-3
PCNT	Period/Pulse Count	7h	-	1
PWCNT	Pulse Width Count	Ah	P[7:6] = 11	1
RADM64	Register Add Move 64	3h	-	1
RCNT	Ratio Count	Ah	P[7:6] = 00, P[0] = 1	3
SBB	Subtract with Borrow and Shift	4h	C[25:23] = 110, C[5] = 1	1-3
SCMP	Sequence Compare	0h	C[6:5] = 01	1
SCNT	Step Count	Ah	P[7:6] = 00, P[0] = 0	3
SHIFT	Shift	Fh	C[3] = 0	1
SUB	Subtract and Shift	4h	C[25:23] = 101, C[5] = 1	1-3
WCAP	Software Capture Word	Bh	-	1
WCAPE	Software Capture Word and Event Count	8h	-	1
XOR	Bitwise Exclusive-Or and Shift	4h	C[25:23] = 111, C[5] = 1	1-3