



Pin 腳對應表

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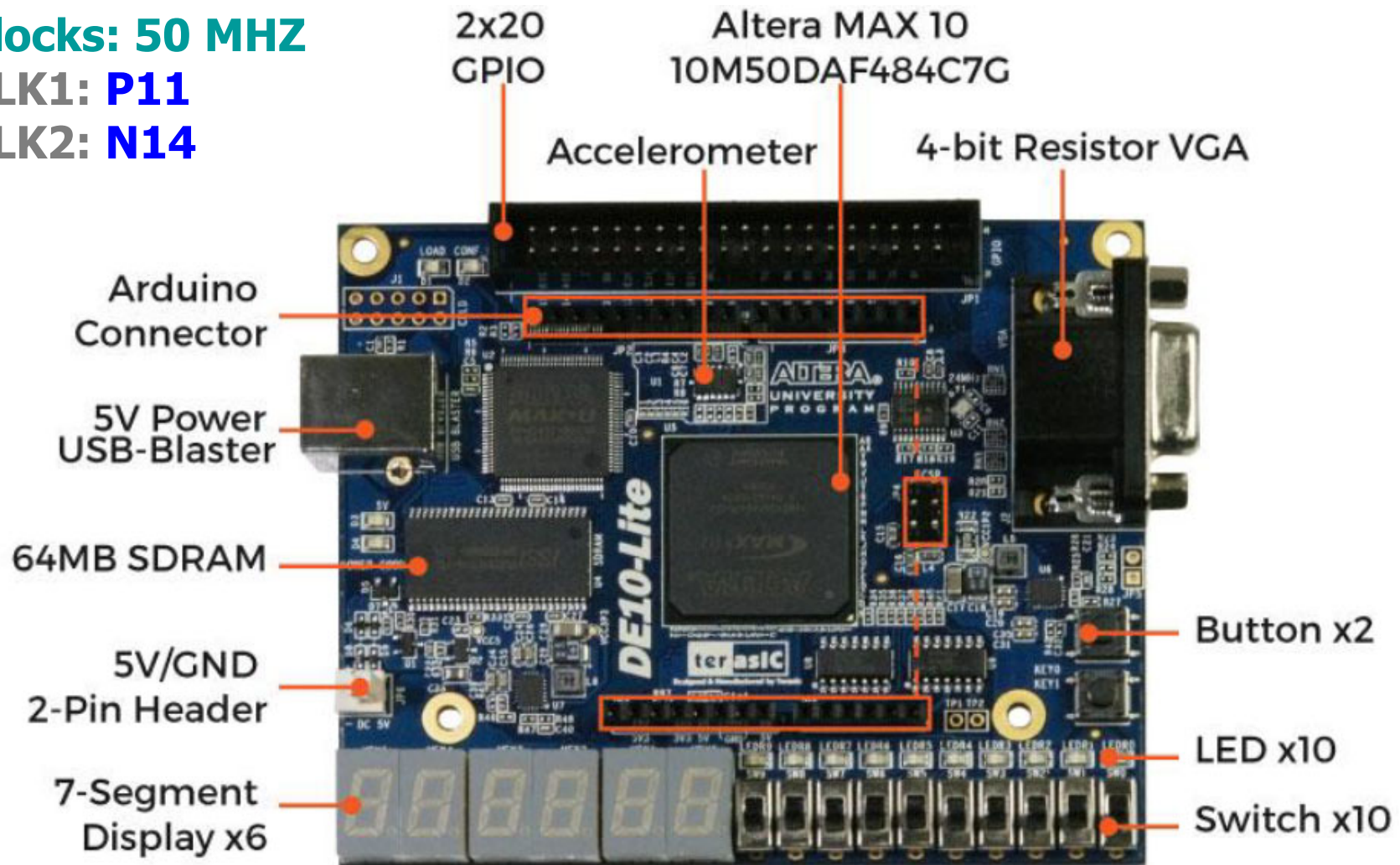
Spring, 2024

DE10-Lite

Clocks: 50 MHZ

CLK1: P11

CLK2: N14



Push-buttons & Switches & LEDs



KEY0: **B8**

Push: **0**

KEY1: **A7**

Not push: **1**



1
0

SW9 SW8 SW7 SW6 SW5 SW4 SW3 SW2 SW1 SW0
F15 B14 A14 A13 B12 A12 C12 D12 C11 C10



1: LED on
0: LED off

LED9 LED8 LED7 LED6 LED5 LED4 LED3 LED2 LED1 LED0
B11 A11 D14 E14 C13 D13 B10 A10 A9 A8

7-Segment Displays

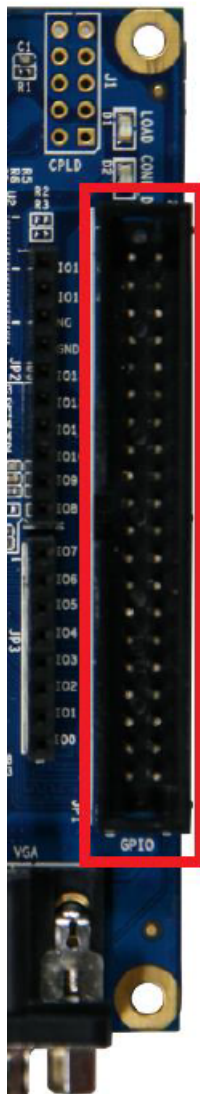
SEG5 SEG4 SEG3 SEG2 SEG1 SEG0



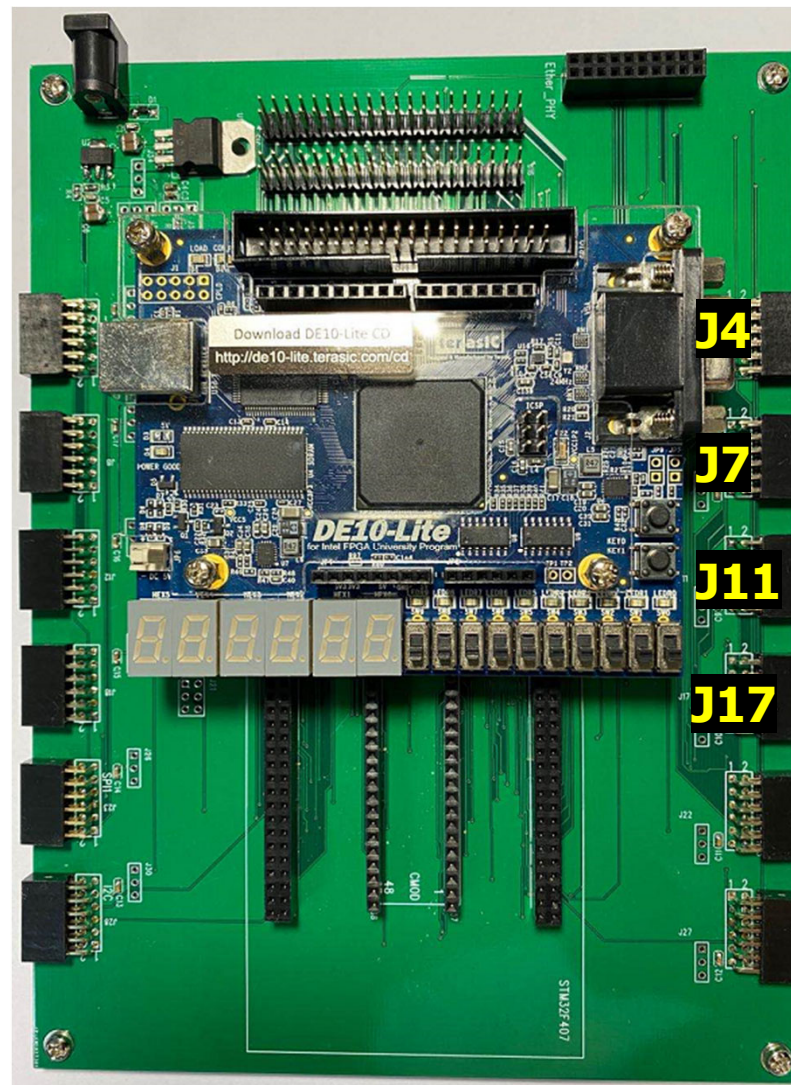
0: segment on
1: segment off

SEG07	SEG06	SEG05	SEG04	SEG03	SEG02	SEG01	SEG00
D15	C17	D17	E16	C16	C15	E15	C14
SEG17	SEG16	SEG15	SEG14	SEG13	SEG12	SEG11	SEG10
A16	B17	A18	A17	B16	E18	D18	C18
SEG27	SEG26	SEG25	SEG24	SEG23	SEG22	SEG21	SEG20
A19	B22	C22	B21	A21	B19	A20	B20
SEG37	SEG36	SEG35	SEG34	SEG33	SEG32	SEG31	SEG30
D22	E17	D19	C20	C19	E21	E22	F21
SEG47	SEG46	SEG45	SEG44	SEG43	SEG42	SEG41	SEG40
F17	F20	F19	H19	J18	E19	E20	F18
SEG57	SEG56	SEG55	SEG54	SEG53	SEG52	SEG51	SEG50
L19	N20	N19	M20	N18	L18	K20	J20

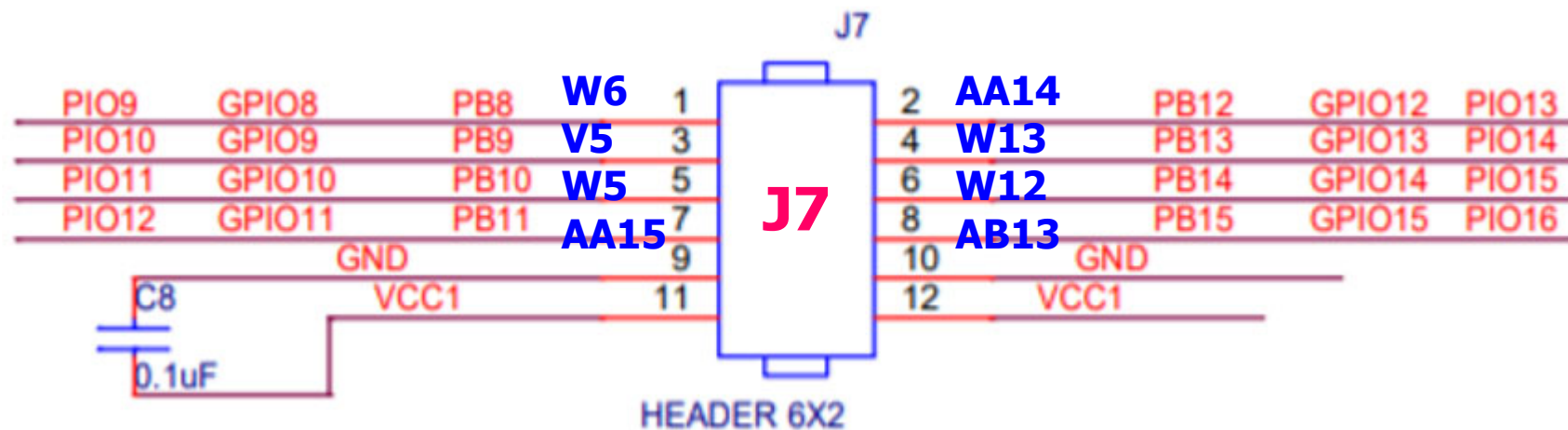
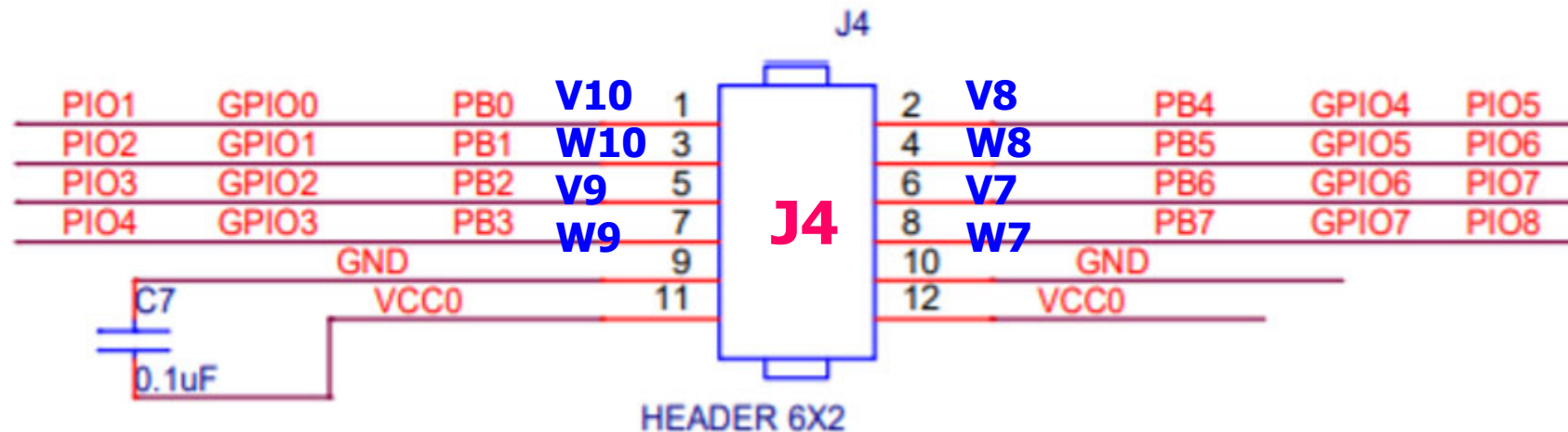
2x20 GPIO Expansion Headers

		GPIO (JP1)			
	PIN_V10	GPIO_[0]	1	2	GPIO_[1] PIN_W10
	PIN_V9	GPIO_[2]	3	4	GPIO_[3] PIN_W9
	PIN_V8	GPIO_[4]	5	6	GPIO_[5] PIN_W8
	PIN_V7	GPIO_[6]	7	8	GPIO_[7] PIN_W7
	PIN_W6	GPIO_[8]	9	10	GPIO_[9] PIN_V5
		5V	11	12	GND
	PIN_W5	GPIO_[10]	13	14	GPIO_[11] PIN_AA15
	PIN_AA14	GPIO_[12]	15	16	GPIO_[13] PIN_W13
	PIN_W12	GPIO_[14]	17	18	GPIO_[15] PIN_AB13
	PIN_AB12	GPIO_[16]	19	20	GPIO_[17] PIN_Y11
	PIN_AB11	GPIO_[18]	21	22	GPIO_[19] PIN_W11
	PIN_AB10	GPIO_[20]	23	24	GPIO_[21] PIN_AA10
	PIN_AA9	GPIO_[22]	25	26	GPIO_[23] PIN_Y8
	PIN_AA8	GPIO_[24]	27	28	GPIO_[25] PIN_Y7
		3.3V	29	30	GND
	PIN_AA7	GPIO_[26]	31	32	GPIO_[27] PIN_Y6
	PIN_AA6	GPIO_[28]	33	34	GPIO_[29] PIN_Y5
	PIN_AA5	GPIO_[30]	35	36	GPIO_[31] PIN_Y4
	PIN_AB3	GPIO_[32]	37	38	GPIO_[33] PIN_Y3
	PIN_AB2	GPIO_[34]	39	40	GPIO_[35] PIN_AA2

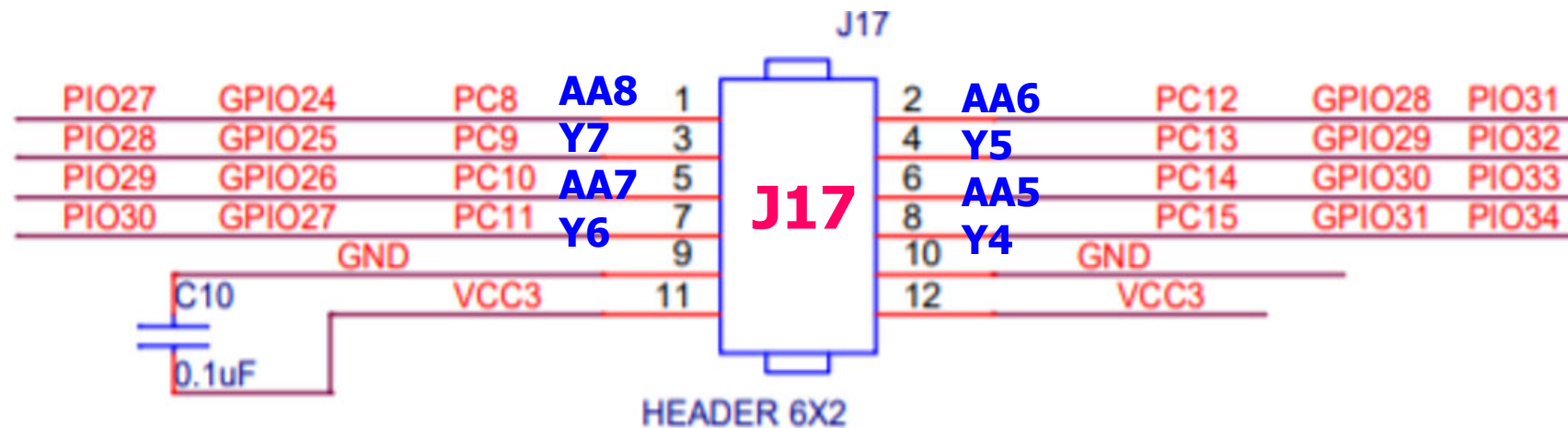
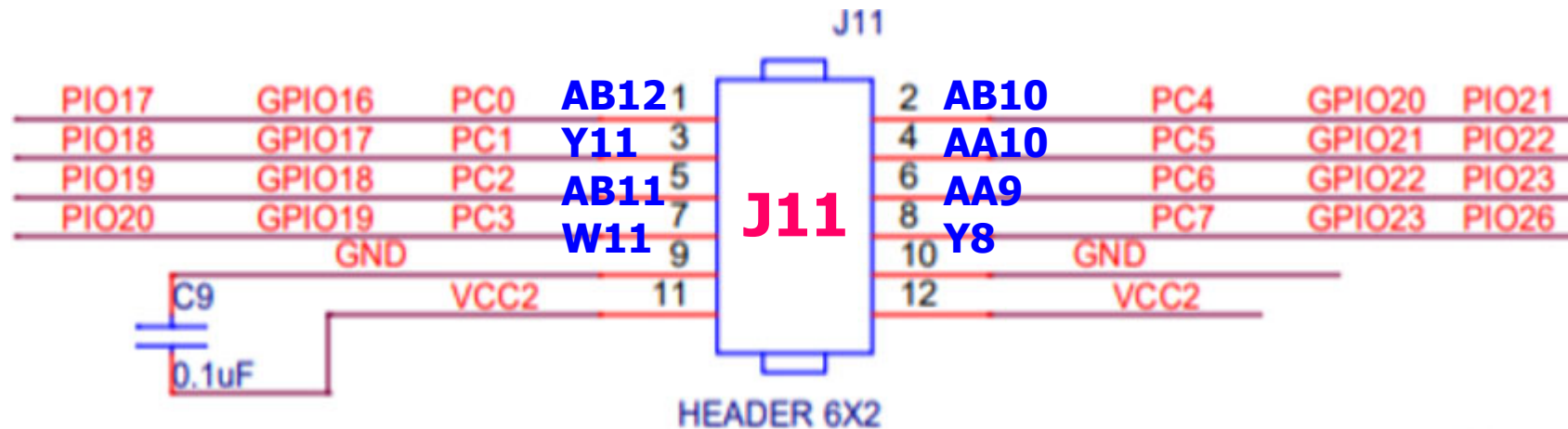
JQH-EDU-006-V1數位邏輯教學置具



J4 & J7

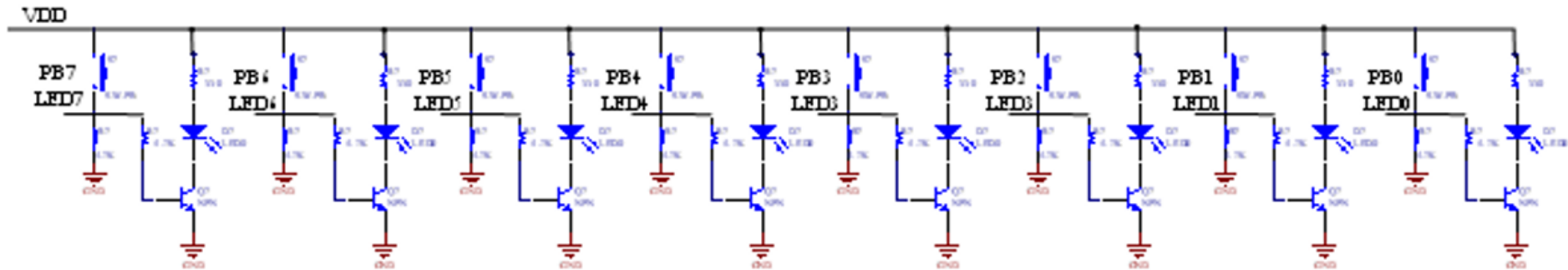


J11 & J17



PMOD: Push-buttons & LEDs

PB0/LED0	1	7	PB4/LED4
PB1/LED1	2	8	PB5/LED5
PB2/LED2	3	9	PB6/LED6
PB3/LED3	4	10	PB7/LED7
	5	11	
	6	12	



Push: 0
Not push: 1

1: LED on
0: LED off

