



## Pin 腳對應表

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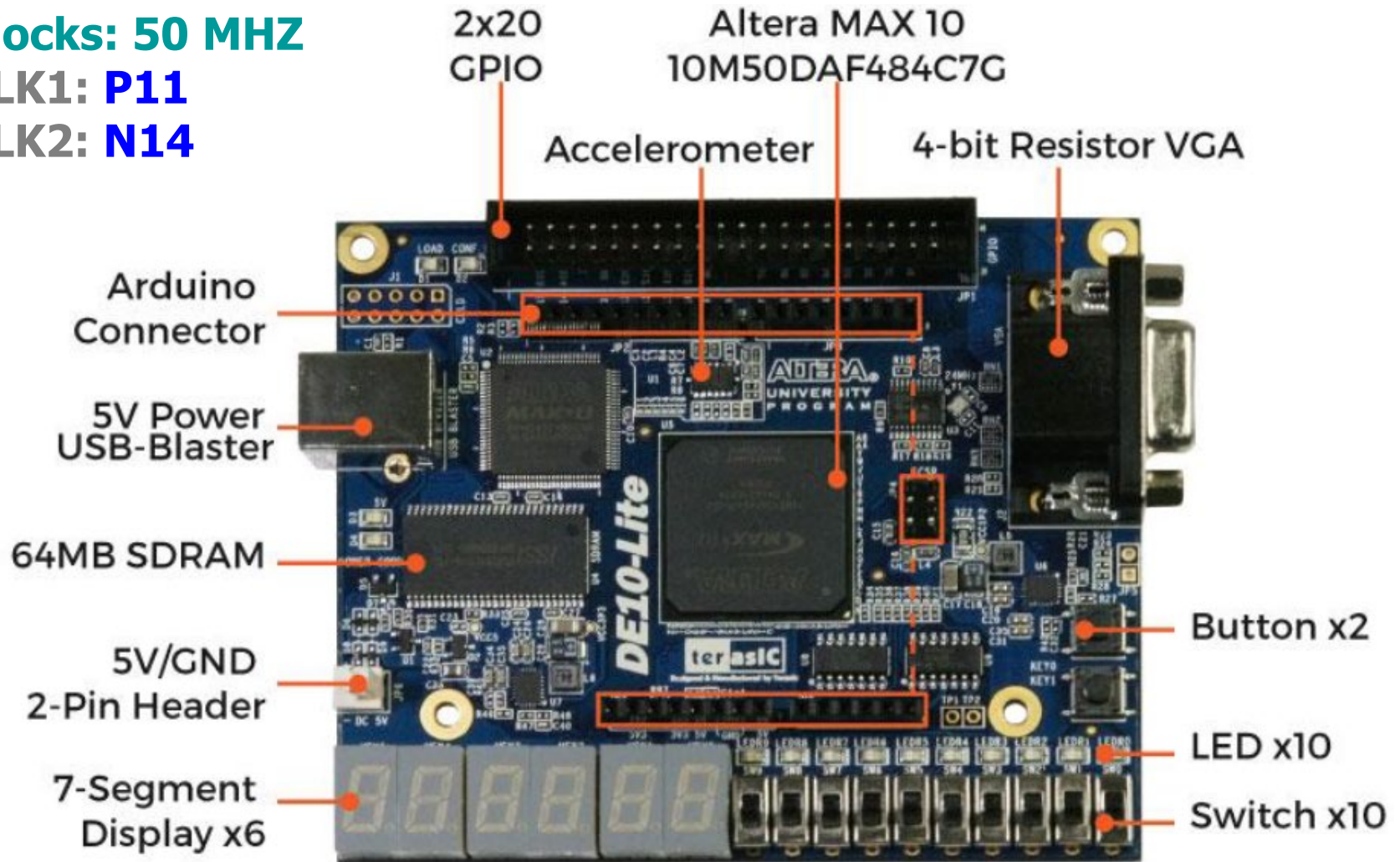
Spring, 2025

# DE10-Lite

**Clocks: 50 MHZ**

**CLK1: P11**

**CLK2: N14**



# Push-buttons & Switches & LEDs

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KEY0: **B8**

Push: **0**

KEY1: **A7**

Not push: **1**



**1**  
**0**

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



**1: LED on**  
**0: LED off**

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

# 7-Segment Displays

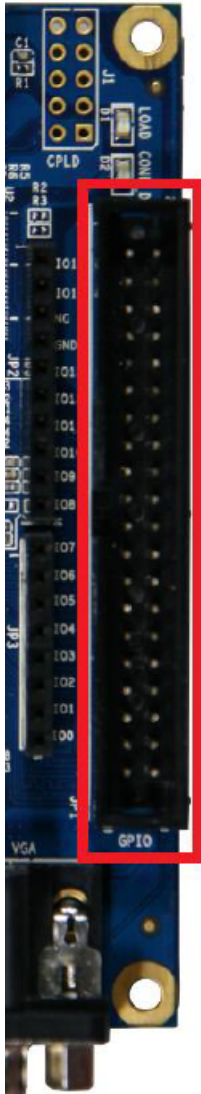
SEG5 SEG4 SEG3 SEG2 SEG1 SEG0



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

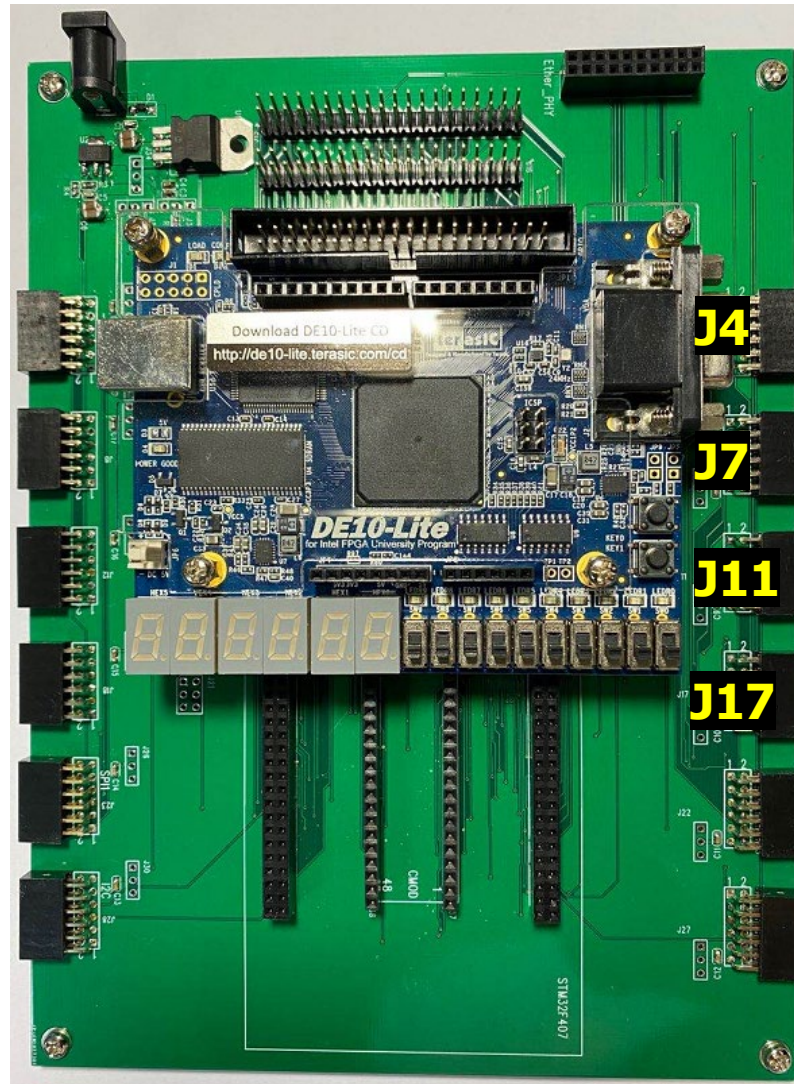
# 2x20 GPIO Expansion Headers



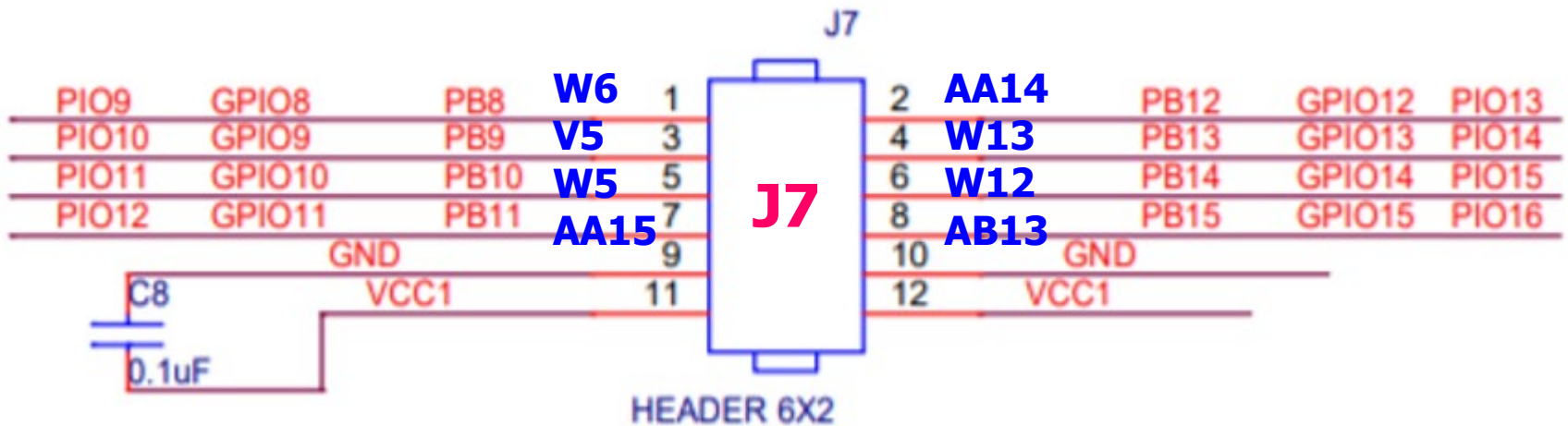
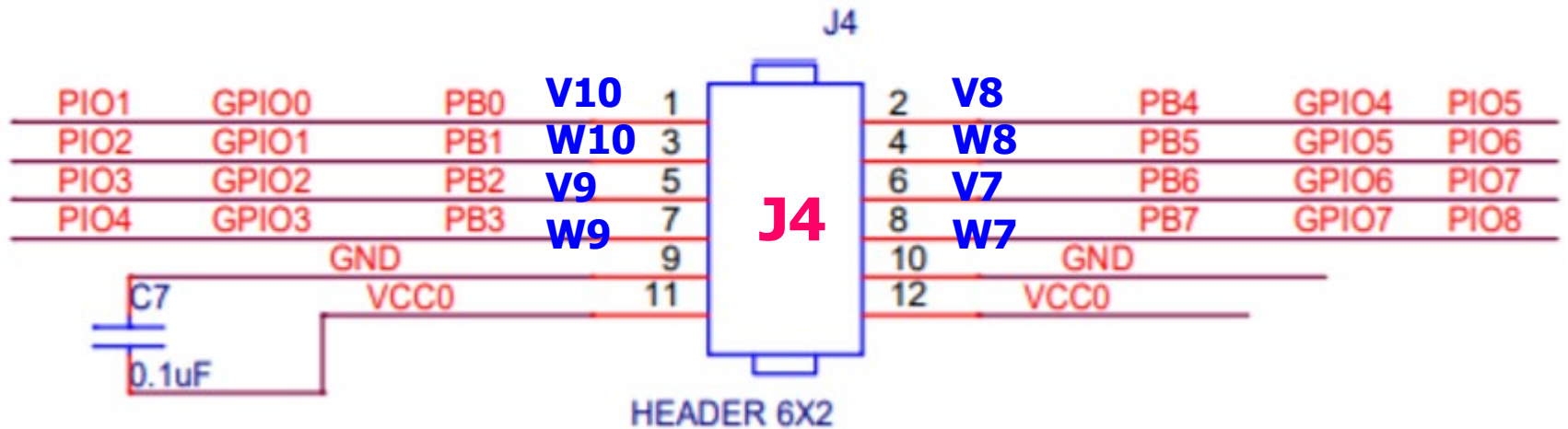
		GPIO (JP1)	
PIN_V10	GPIO_[0]	1	2 GPIO_[1] PIN_W10
PIN_V9	GPIO_[2]	3	4 GPIO_[3] PIN_W9
PIN_V8	GPIO_[4]	5	6 GPIO_[5] PIN_W8
PIN_V7	GPIO_[6]	7	8 GPIO_[7] PIN_W7
PIN_W6	GPIO_[8]	9	10 GPIO_[9] PIN_V5
	5V	11	12 GND
PIN_W5	GPIO_[10]	13	14 GPIO_[11] PIN_AA15
PIN_AA14	GPIO_[12]	15	16 GPIO_[13] PIN_W13
PIN_W12	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



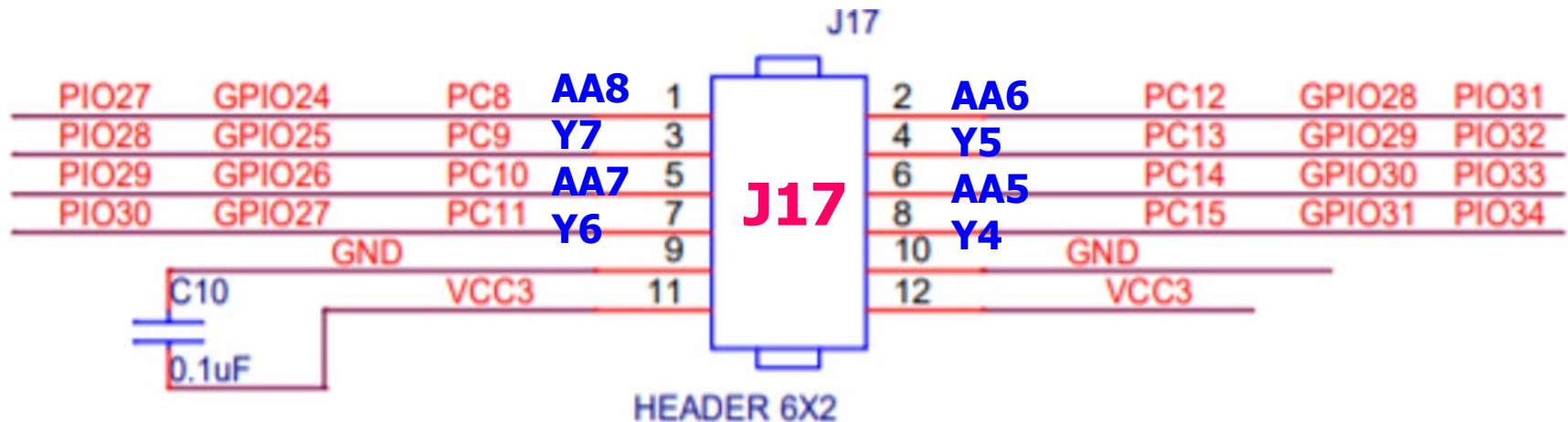
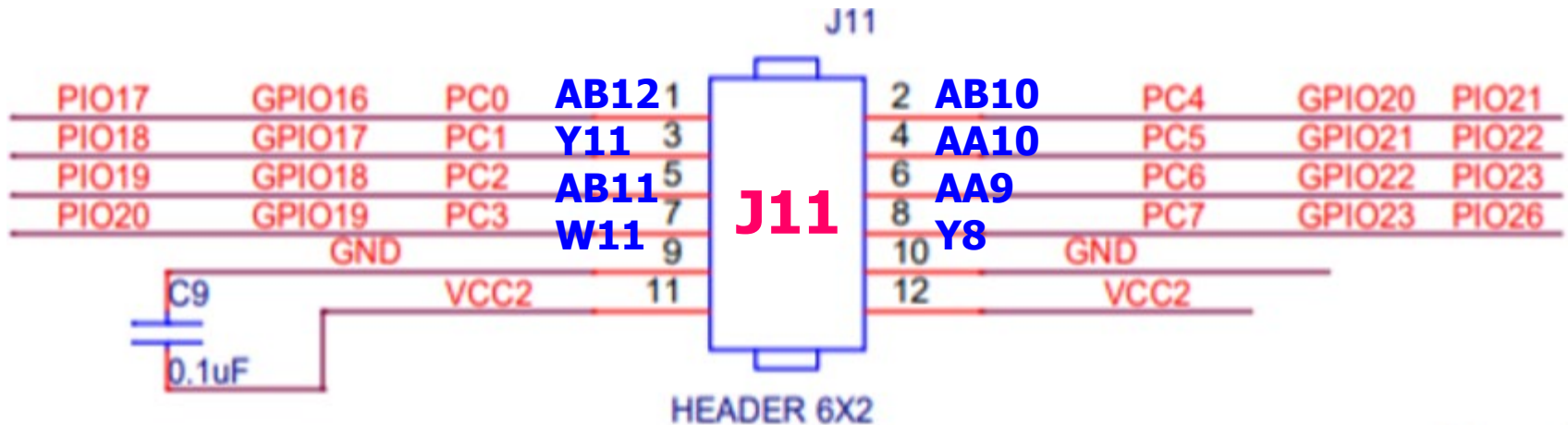
# JQH-EDU-006-V1數位邏輯教學置具



# J4 & J7



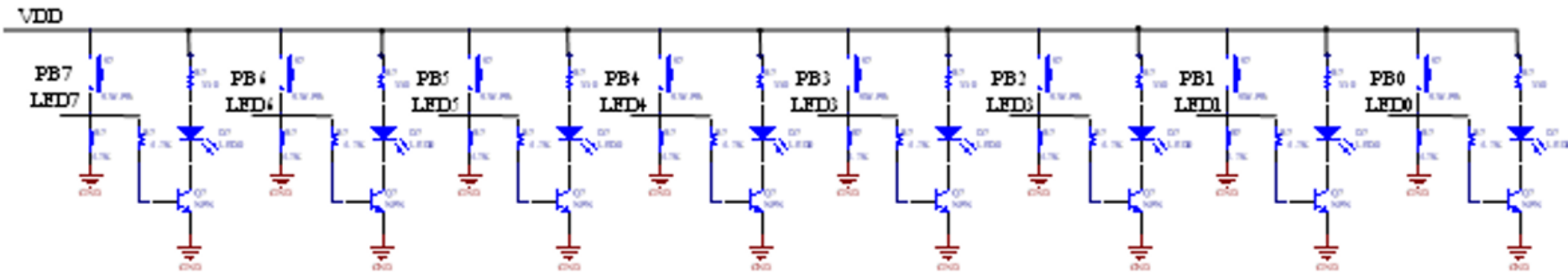
# J11 & J17





# PMOD: Push-buttons & LEDs

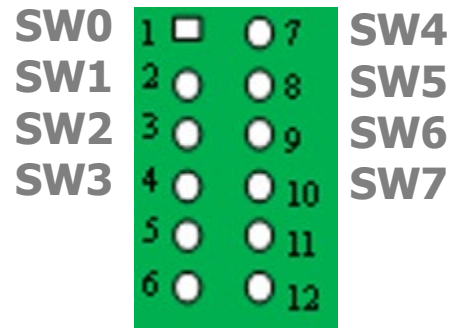
PB0/LED0	1	7	PB4/LED4
PB1/LED1	2	8	PB5/LED5
PB2/LED2	3	9	PB6/LED6
PB3/LED3	4	10	PB7/LED7
	5	11	
	6	12	



**Push: 0**  
**Not push: 1**

**1: LED on**  
**0: LED off**

# PMOD: Switches



1  
0

