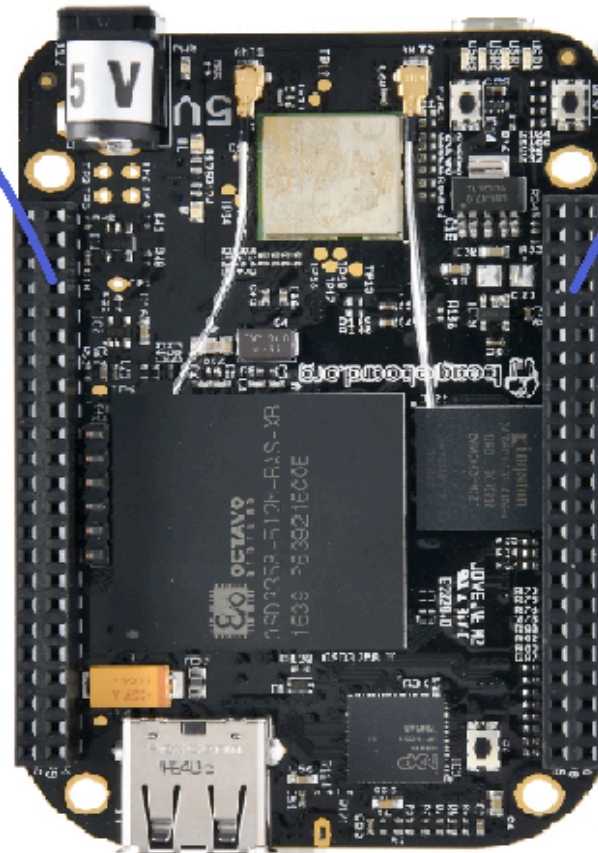


# Circuit Diagrams

BASED ON LAB SHEETS 2A, 2A, 3A, 3B, 4A, AND 4B

## P9

DGND	1	2	DGND
VDD_3V3	3	4	VDD_3V3
VDD_5V	5	6	VDD_5V
SYS_5V	7	8	SYS_5V
PWR_BUT	9	10	SYS_RESETN
UART4_RXD	11	12	GPIO_60
UART4_TXD	13	14	EHRPWM1A
GPIO_48	15	16	EHRPWM1B
SPIO_CS0	17	18	SPIO_D1
I2C2_SCL	19	20	I2C2_SDA
SPIO_D0	21	22	SPIO_SCLK
GPIO_49	23	24	UART1_TXD
GPIO_117	25	26	UART1_RXD
GPIO_115	27	28	SPI1_CS0
SPI1_D0	29	30	GPIO_112
SPI1_SCLK	31	32	VDD_ADC
AIN4	33	34	GNDA_ADC
AIN6	35	36	AIN5
AIN2	37	38	AIN3
AIN0	39	40	AIN1
GPIO_20	41	42	ECAPPWM0
DGND	43	44	DGND
DGND	45	46	DGND



## P8

DGND	1	2	DGND
MMC1_DAT6	3	4	MMC1_DAT7
MMC1_DAT2	5	6	MMC1_DAT3
GPIO_66	7	8	GPIO_67
GPIO_69	9	10	GPIO_68
GPIO_45	11	12	GPIO_44
EHRPWM2B	13	14	GPIO_26
GPIO_47	15	16	GPIO_46
GPIO_27	17	18	GPIO_65
EHRPWM2A	19	20	MMC1_CMD
MMC1_CLK	21	22	MMC1_DAT5
MMC1_DAT4	23	24	MMC1_DAT1
MMC1_DATA0	25	26	GPIO_61
LCD_VSYNC	27	28	LCD_PCLK
LCD_HSYNC	29	30	LCD_AC_BIAS
LCD_DATA14	31	32	LCD_DATA15
LCD_DATA13	33	34	LCD_DATA11
LCD_DATA12	35	36	LCD_DATA10
LCD_DATA8	37	38	LCD_DATA9
LCD_DATA6	39	40	LCD_DATA7
LCD_DATA4	41	42	LCD_DATA5
LCD_DATA2	43	44	LCD_DATA3
LCD_DATA0	45	46	LCD_DATA1

### LEGEND

POWER/GROUND/RESET

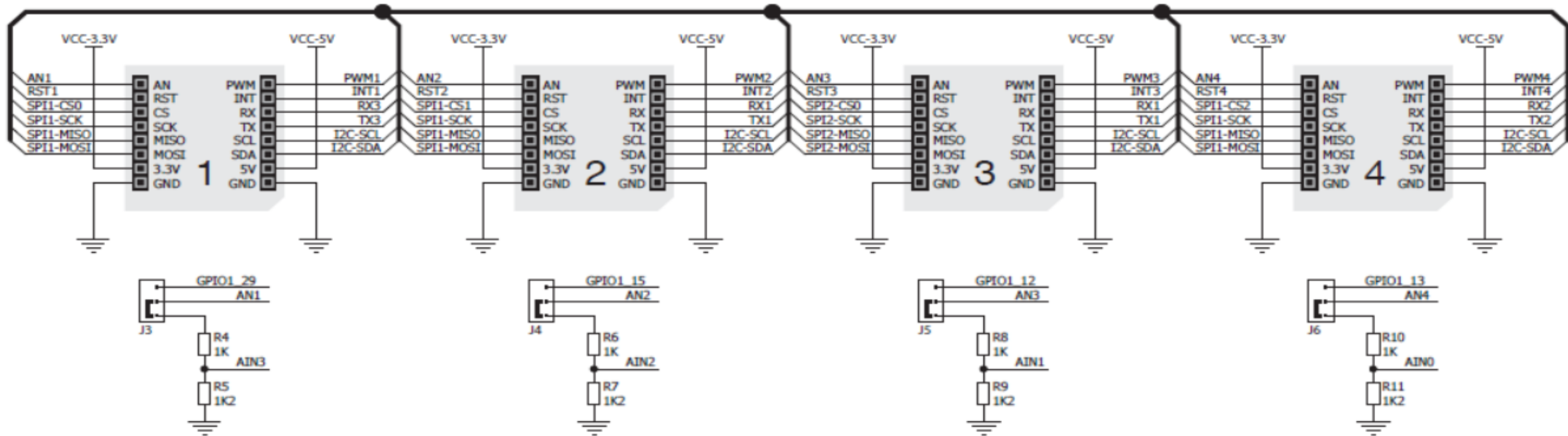
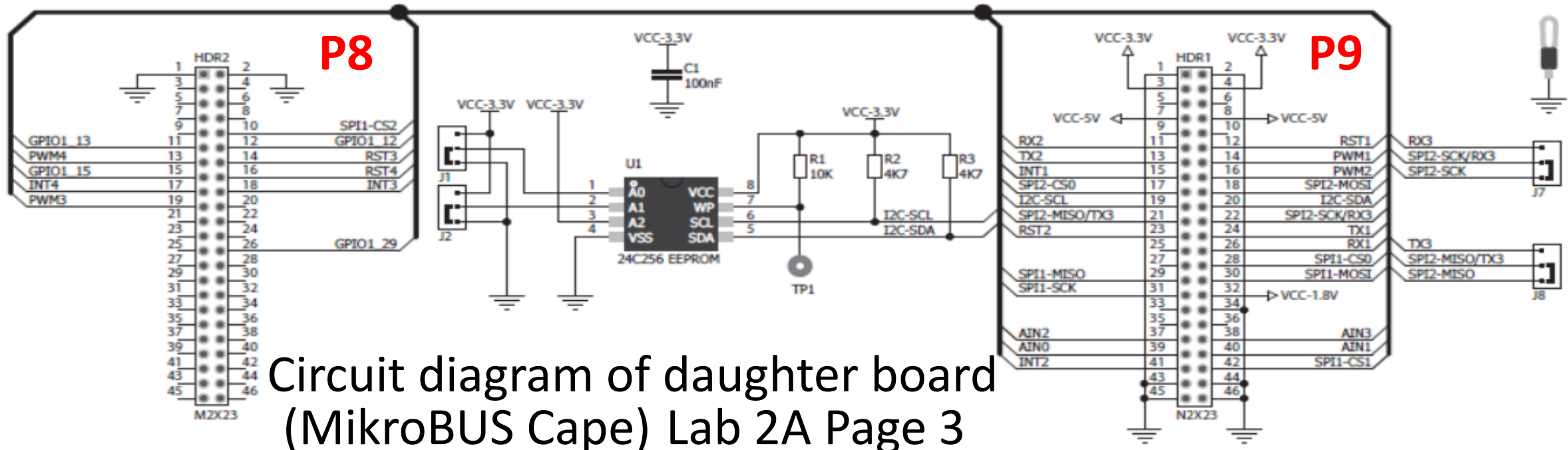
AVAILABLE DIGITAL

AVAILABLE PWM

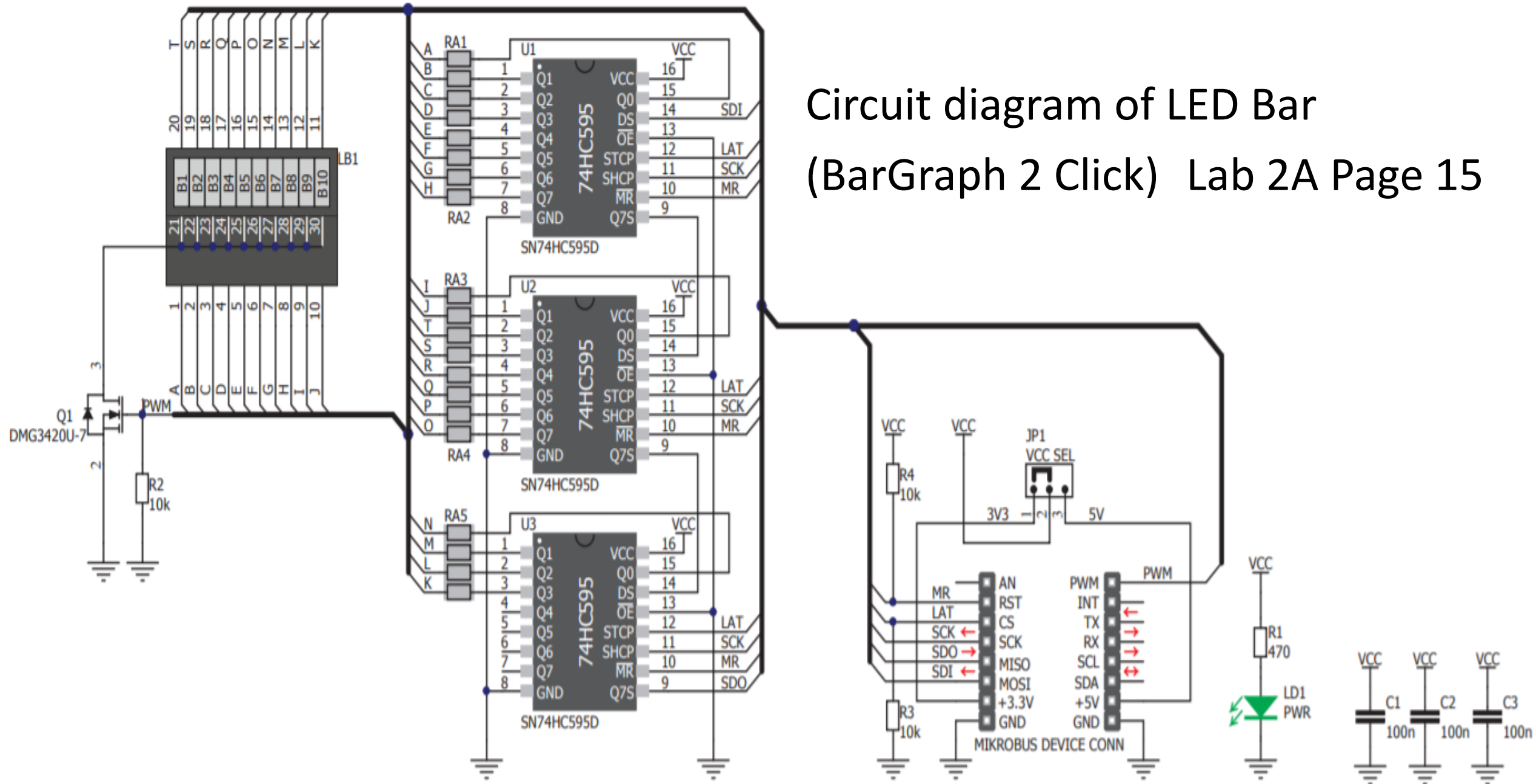
SHARED I2C BUS

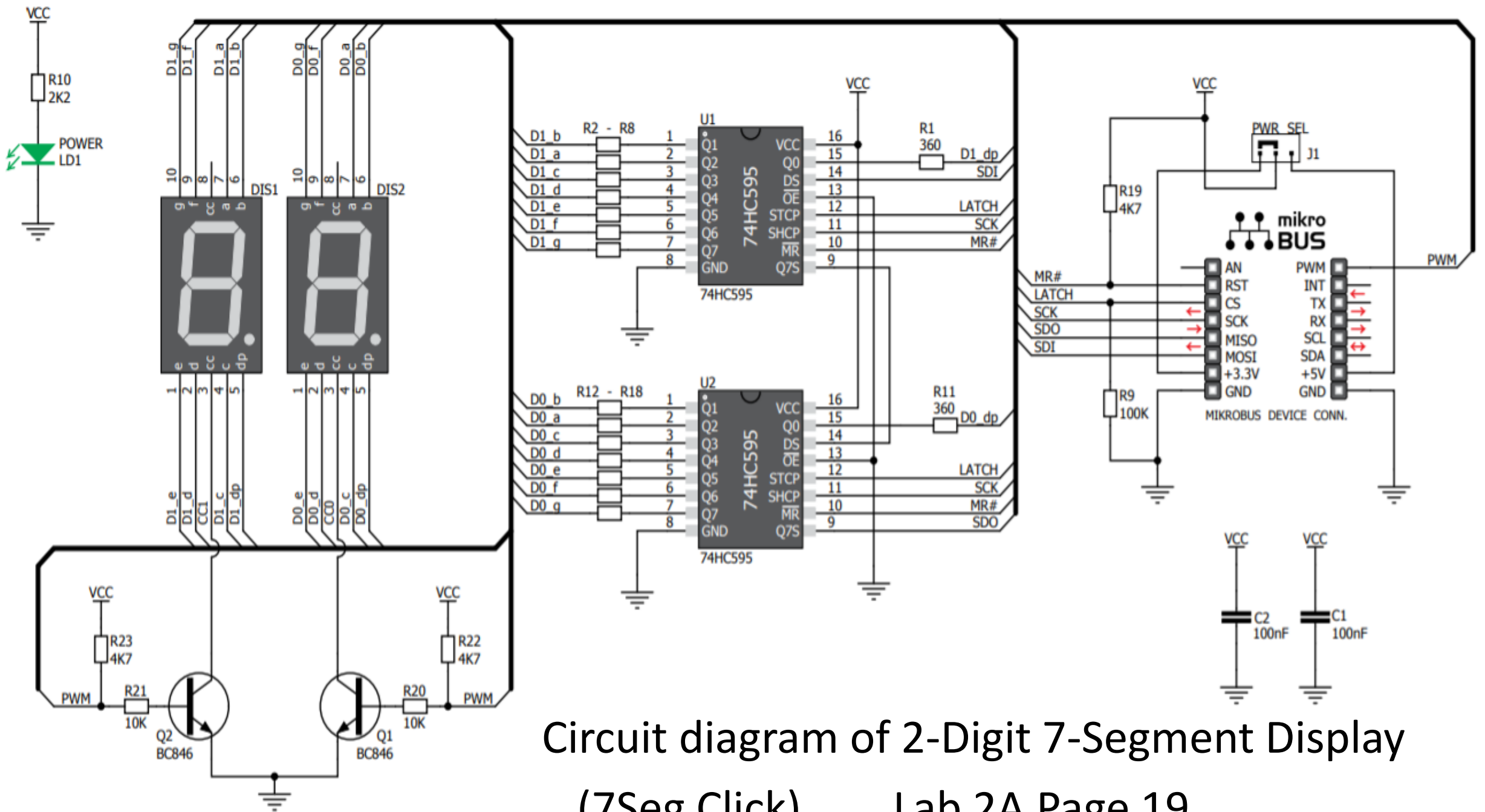
RECONFIGURABLE DIGITAL

ANALOG INPUTS (1.8V)



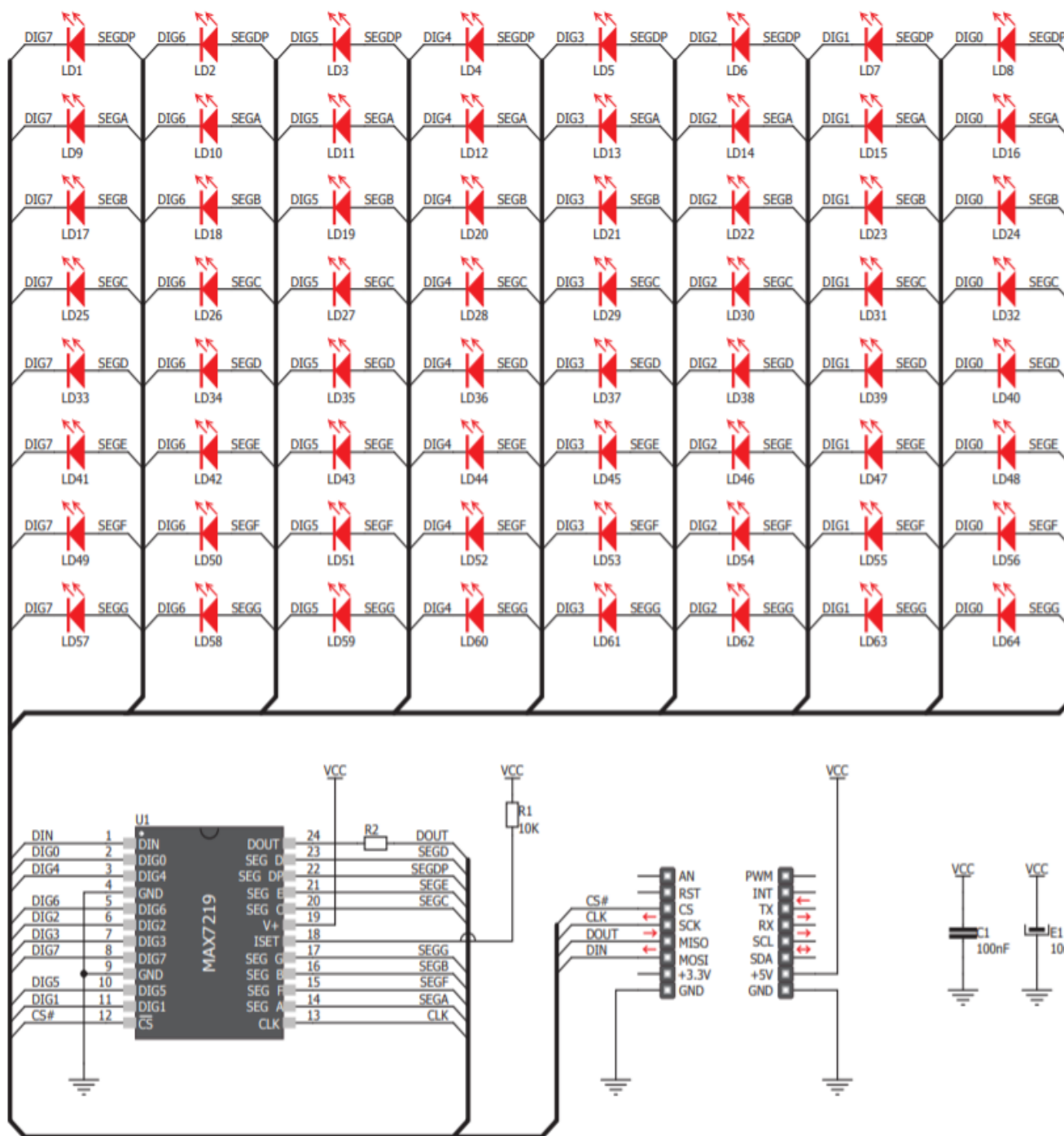
# Circuit diagram of LED Bar (BarGraph 2 Click) Lab 2A Page 15





Circuit diagram of 2-Digit 7-Segment Display  
(7Seg Click) Lab 2A Page 19

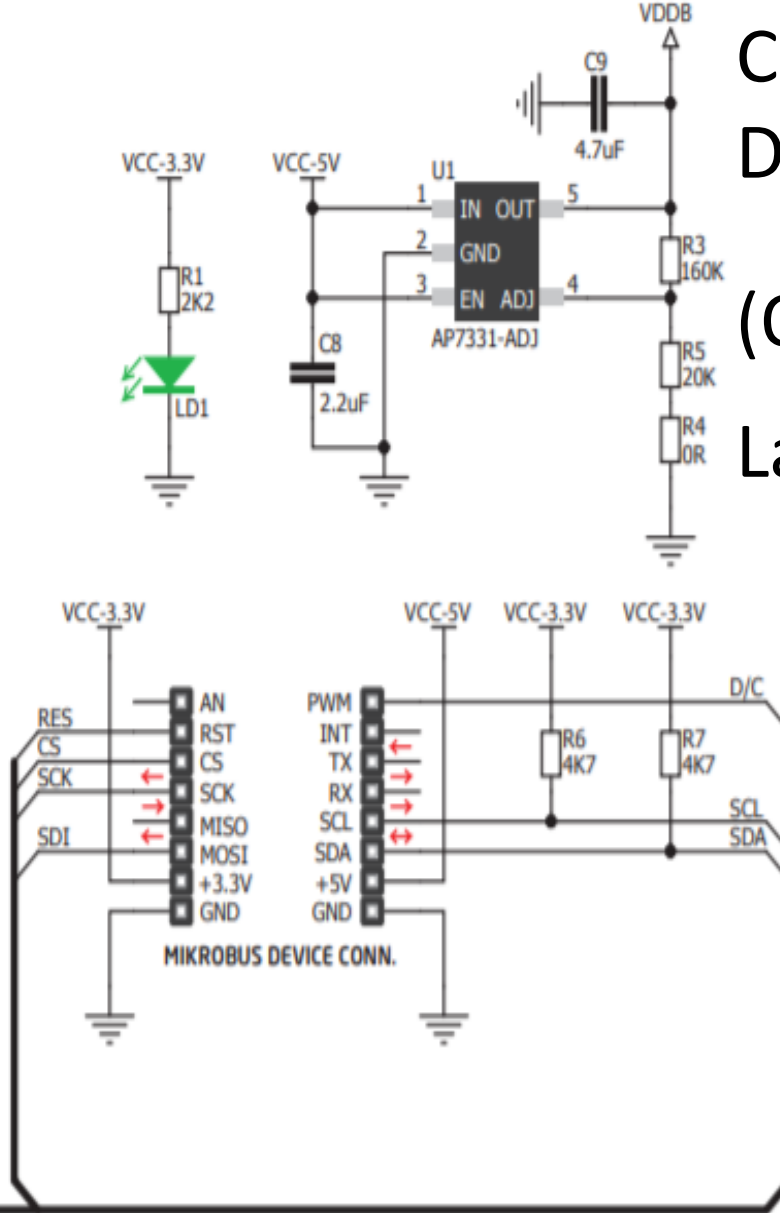
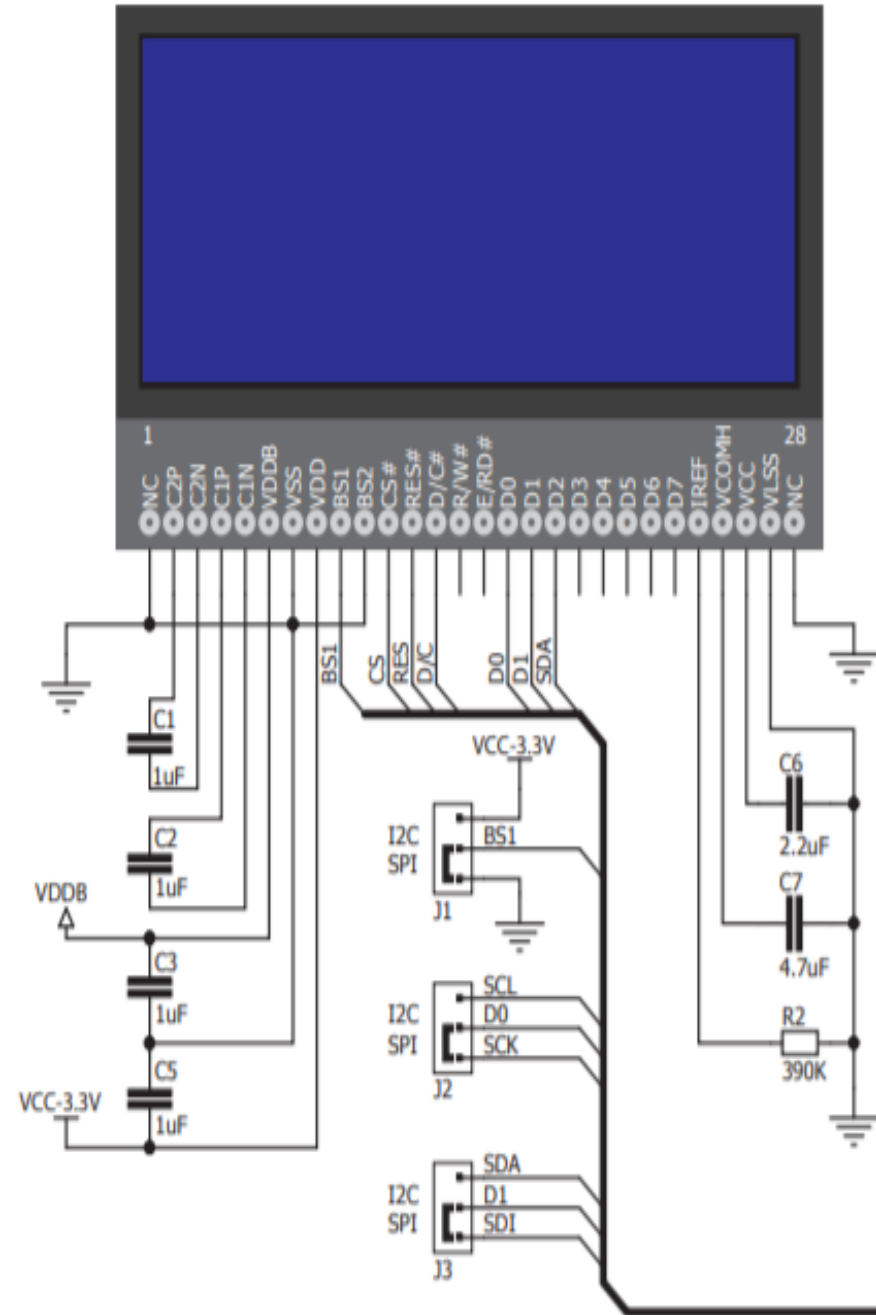




Circuit diagram of LED Matrix

(8x8 (R/G/Y/B) Click)

Lab 2B Page 2



Circuit diagram of OLED Display

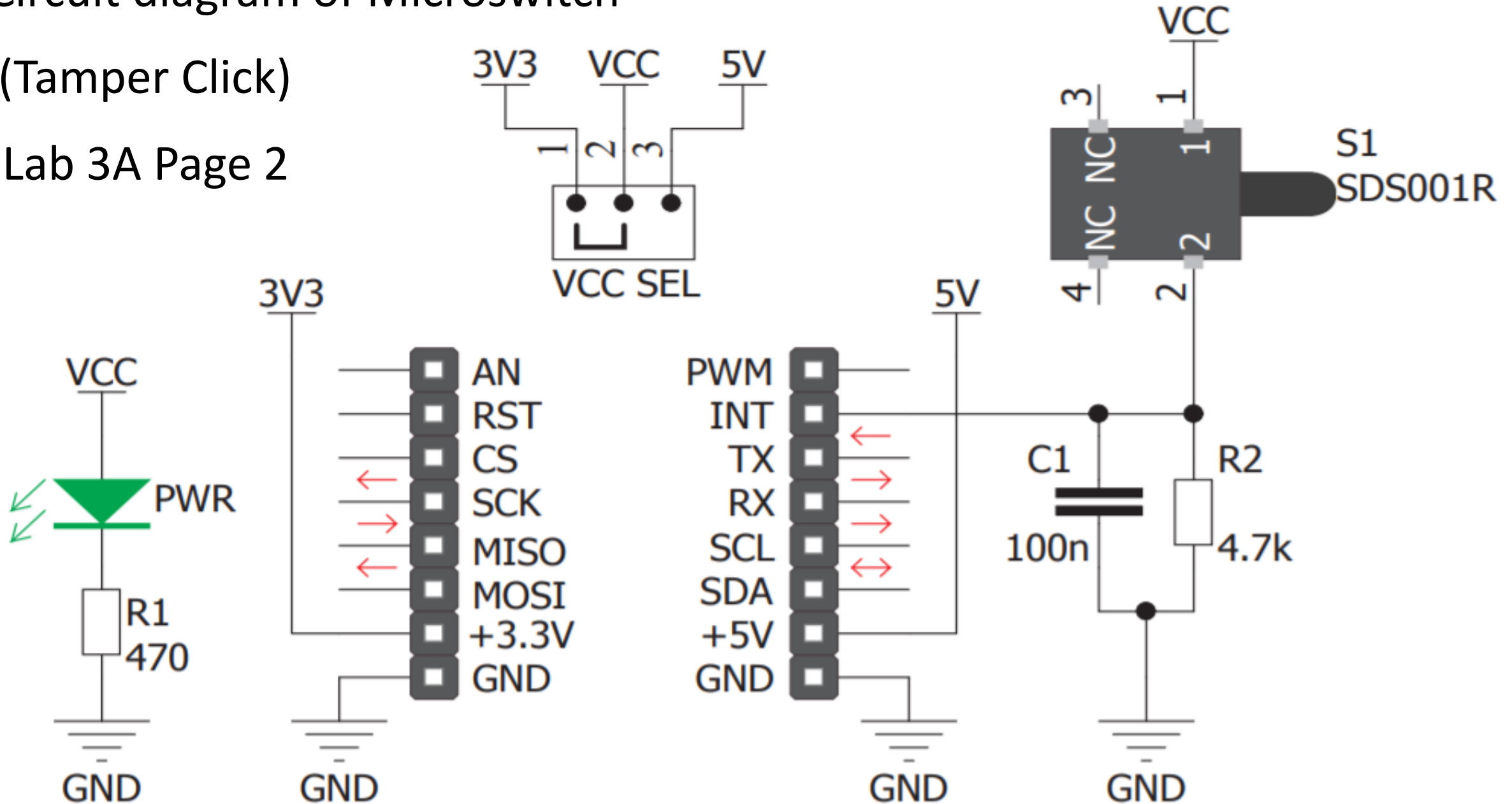
(OLED B Click )

Lab 2B Page 6

# Circuit diagram of Microswitch

(Tamper Click)

Lab 3A Page 2

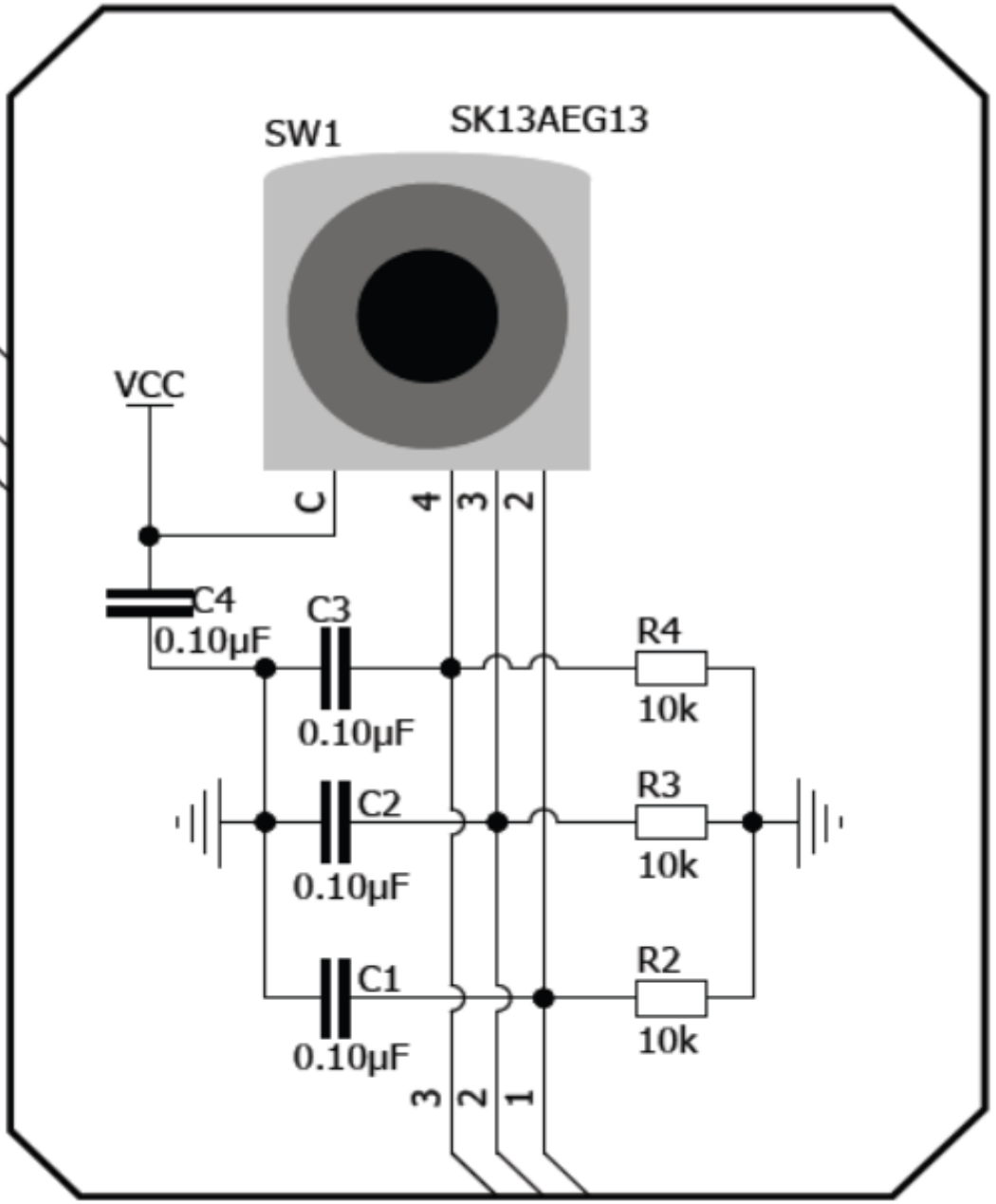
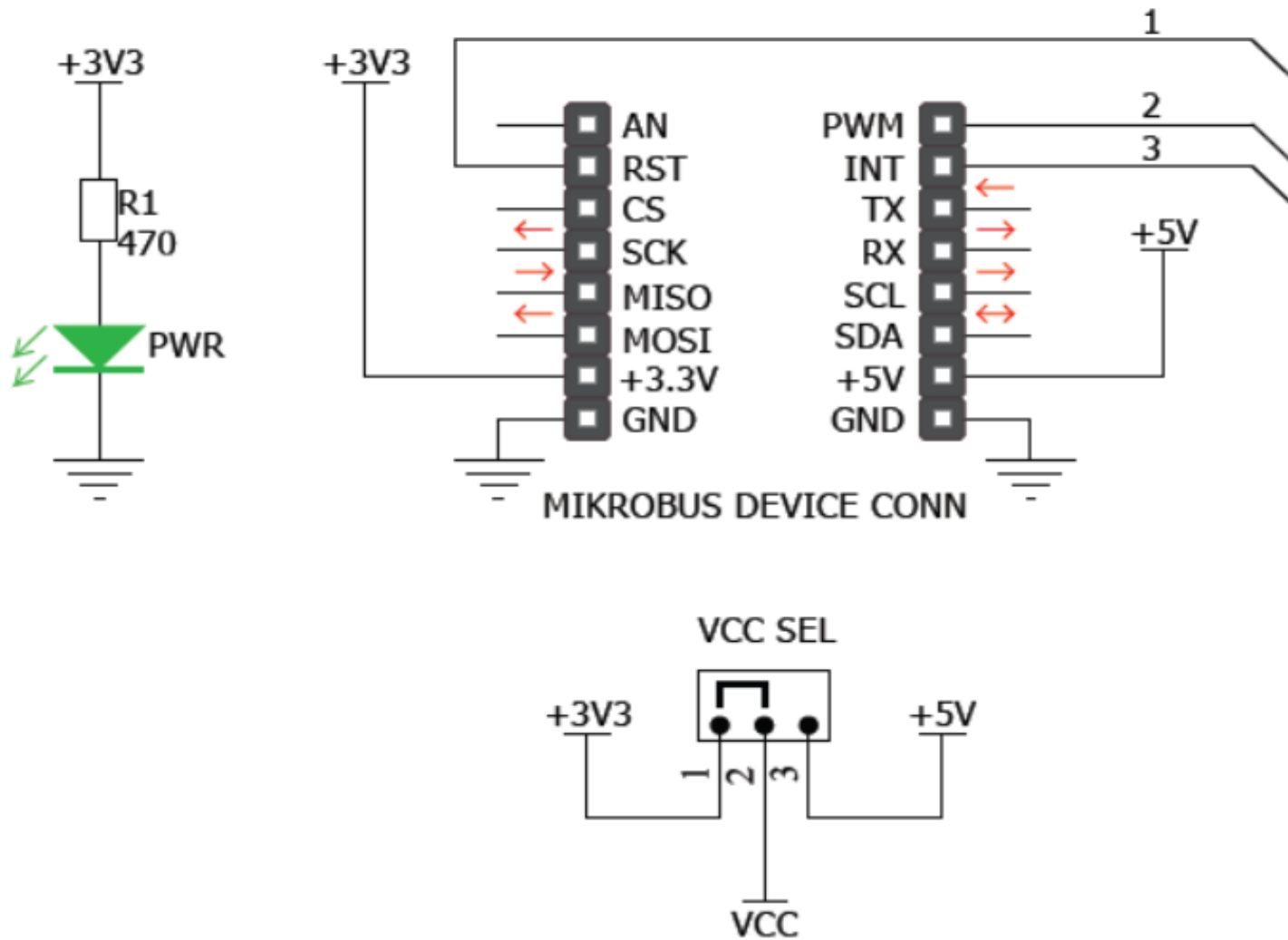




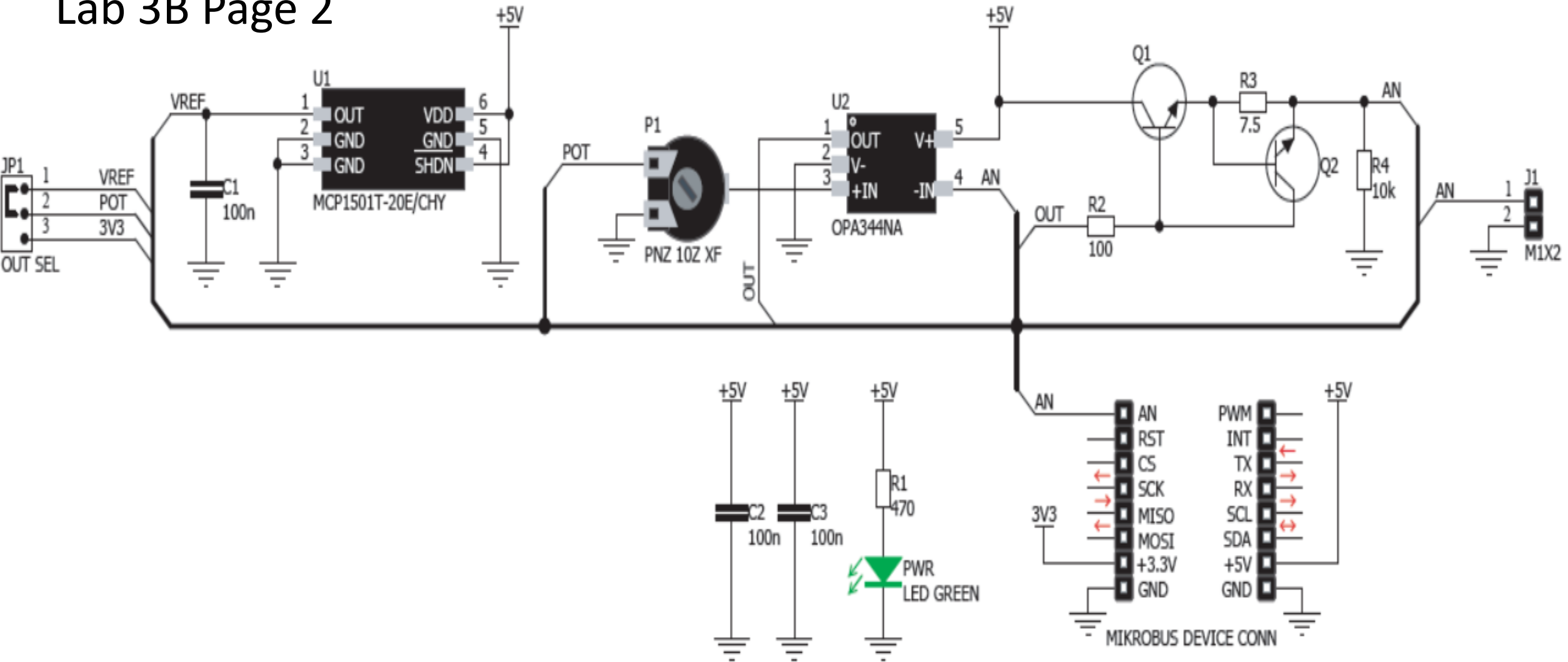
# Circuit diagram of Keylock

## (Keylock 2 Click)

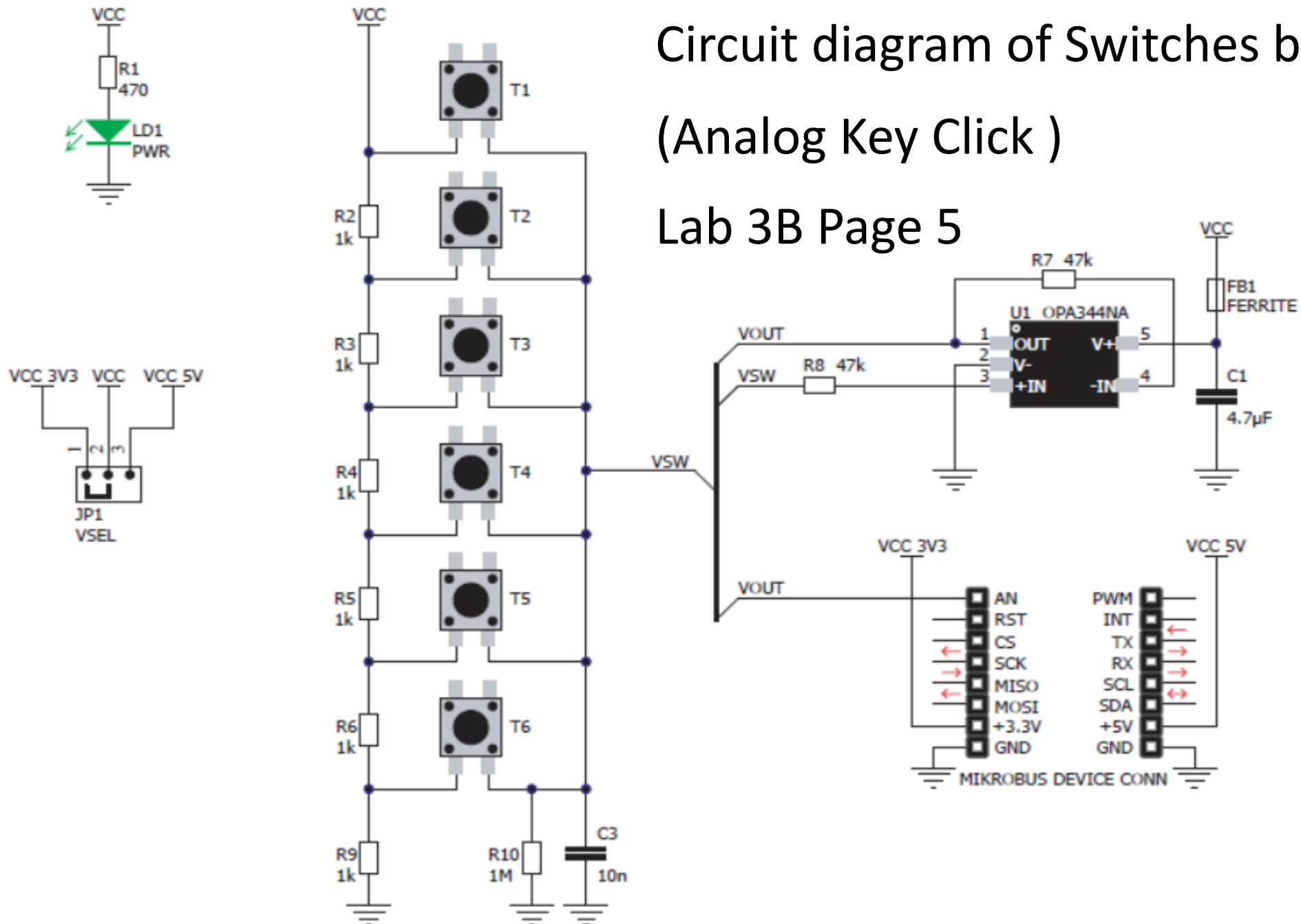
Lab 3A Page 4

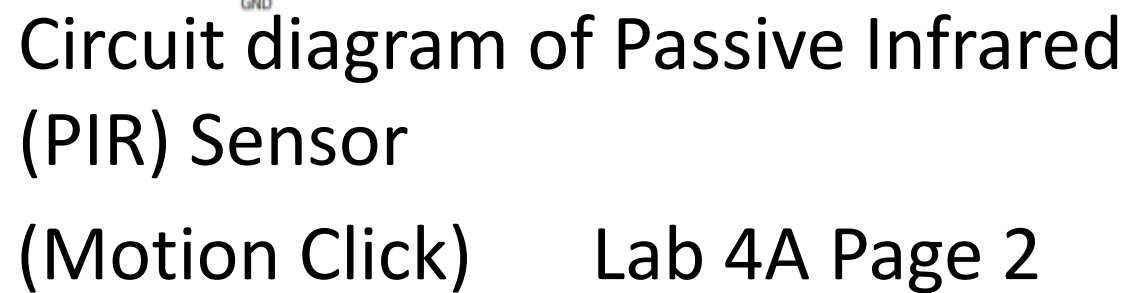


# Circuit diagram of Potentiometer (Pot Click ) Lab 3B Page 2

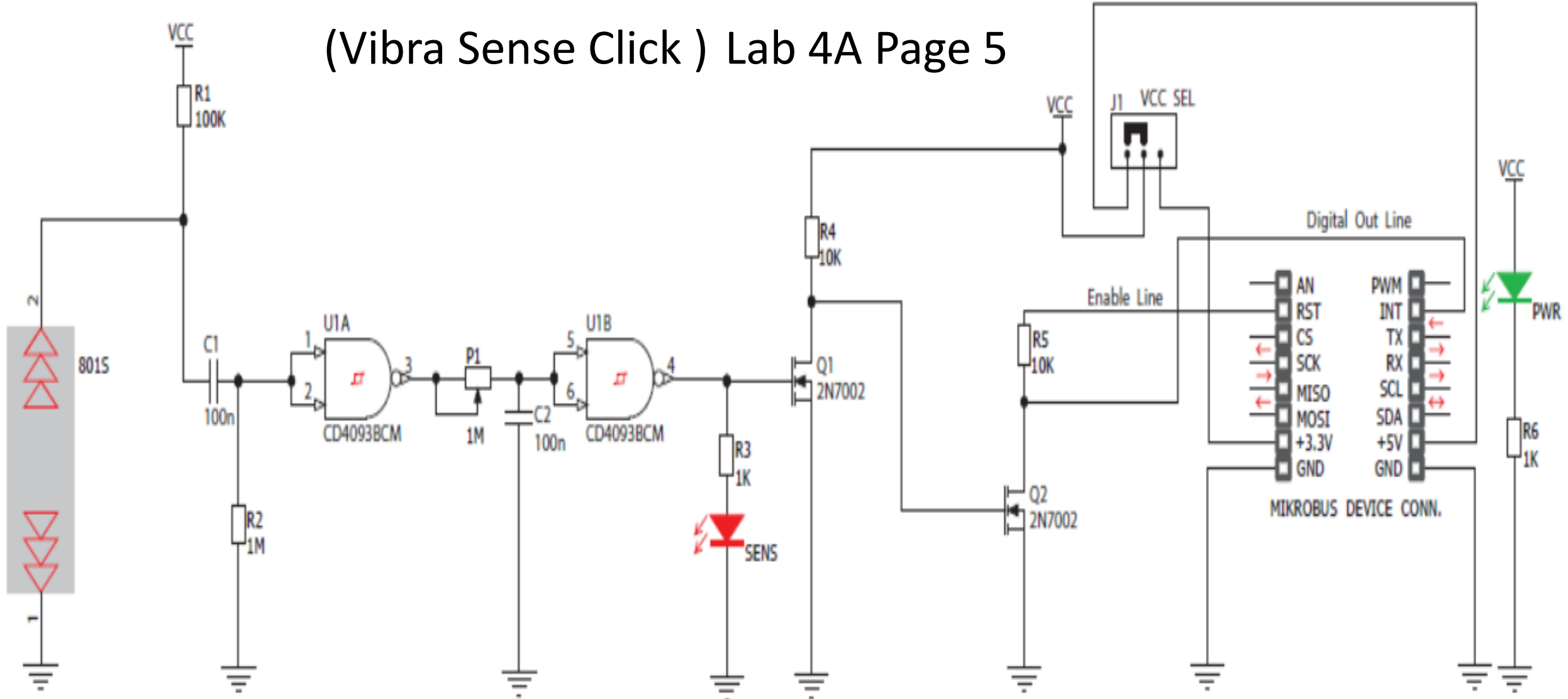


# Circuit diagram of Switches by Voltage Divider (Analog Key Click ) Lab 3B Page 5



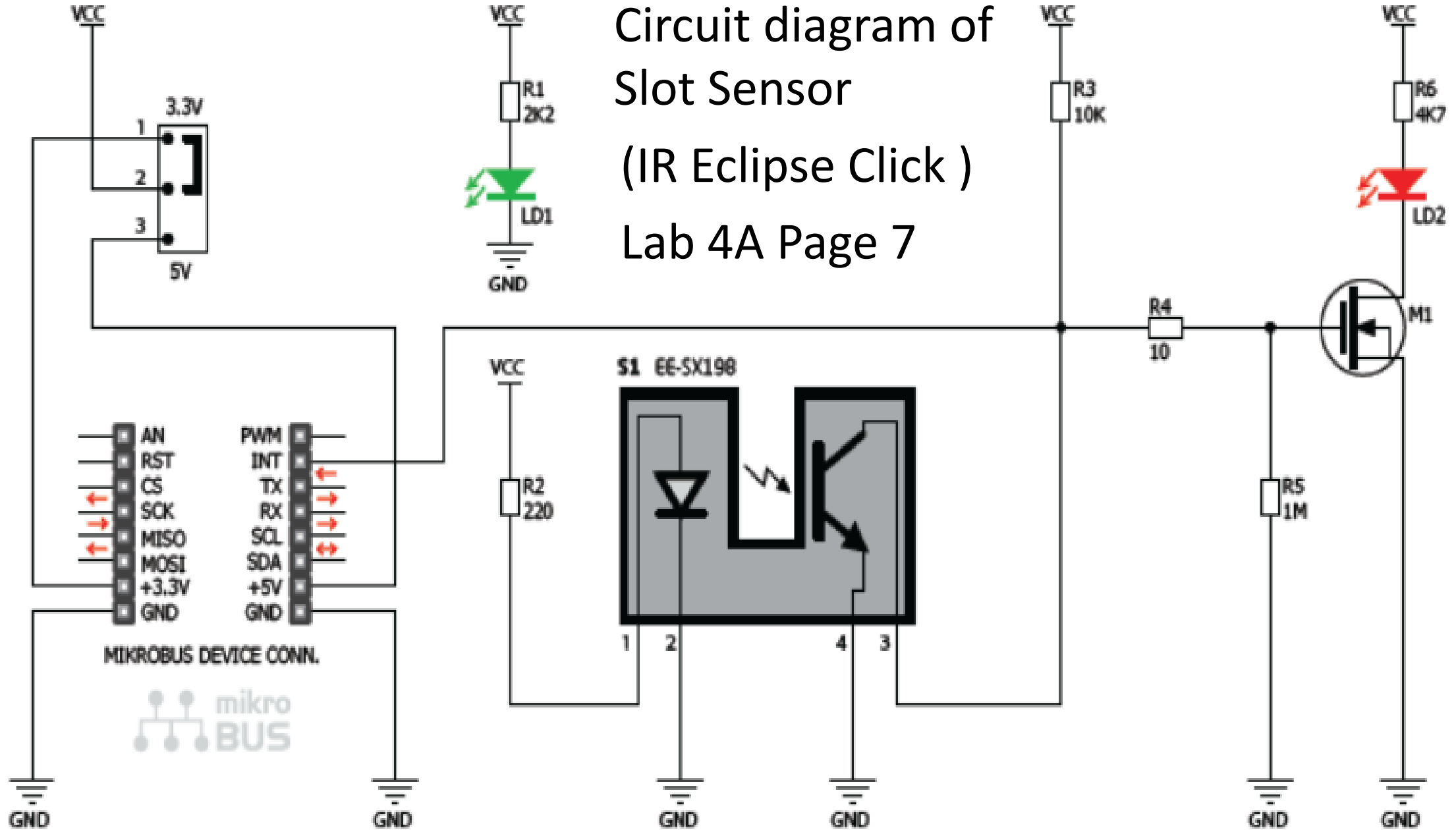


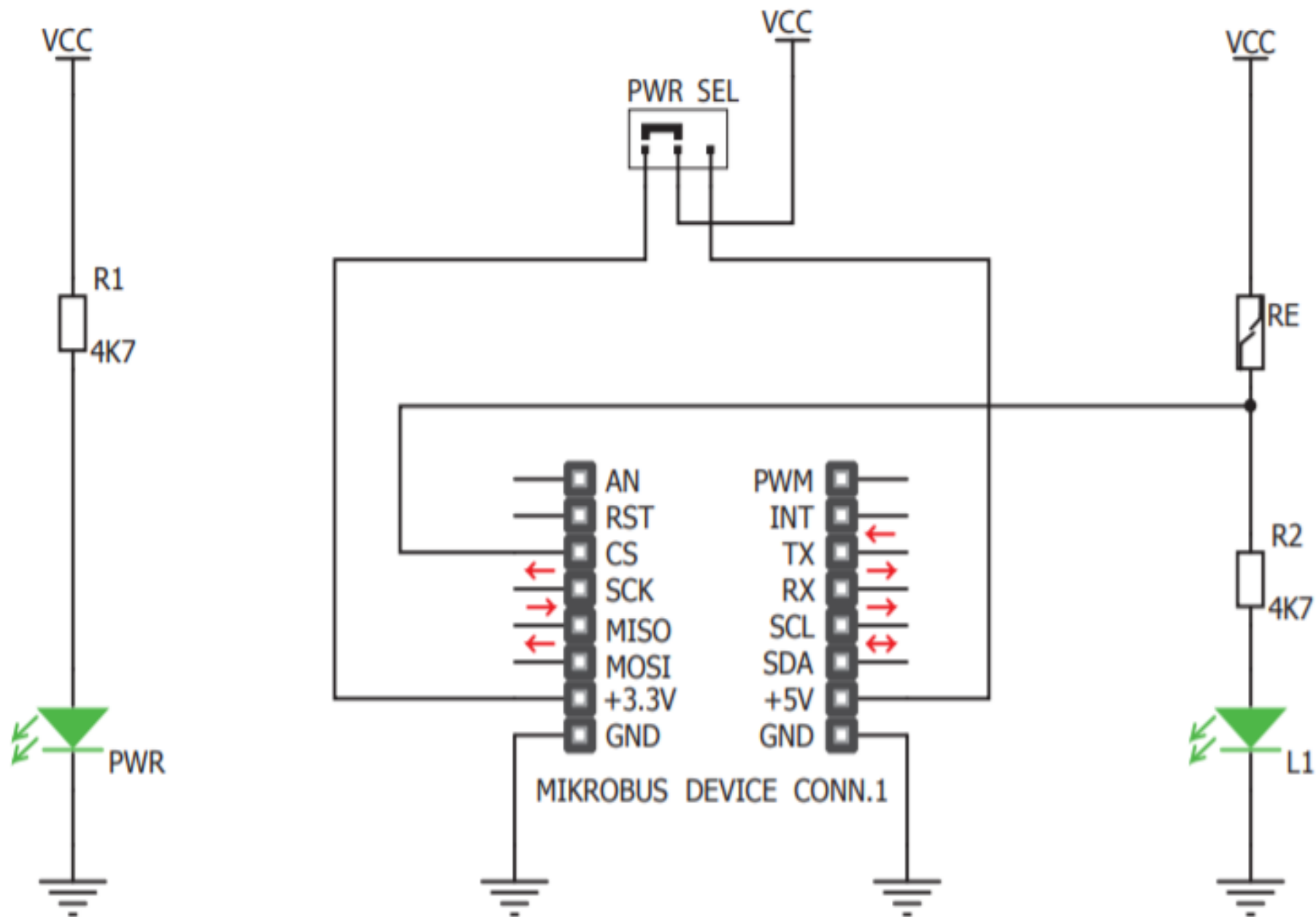
# Circuit diagram of Vibration Sensor (Vibra Sense Click ) Lab 4A Page 5





# Circuit diagram of Slot Sensor (IR Eclipse Click ) Lab 4A Page 7



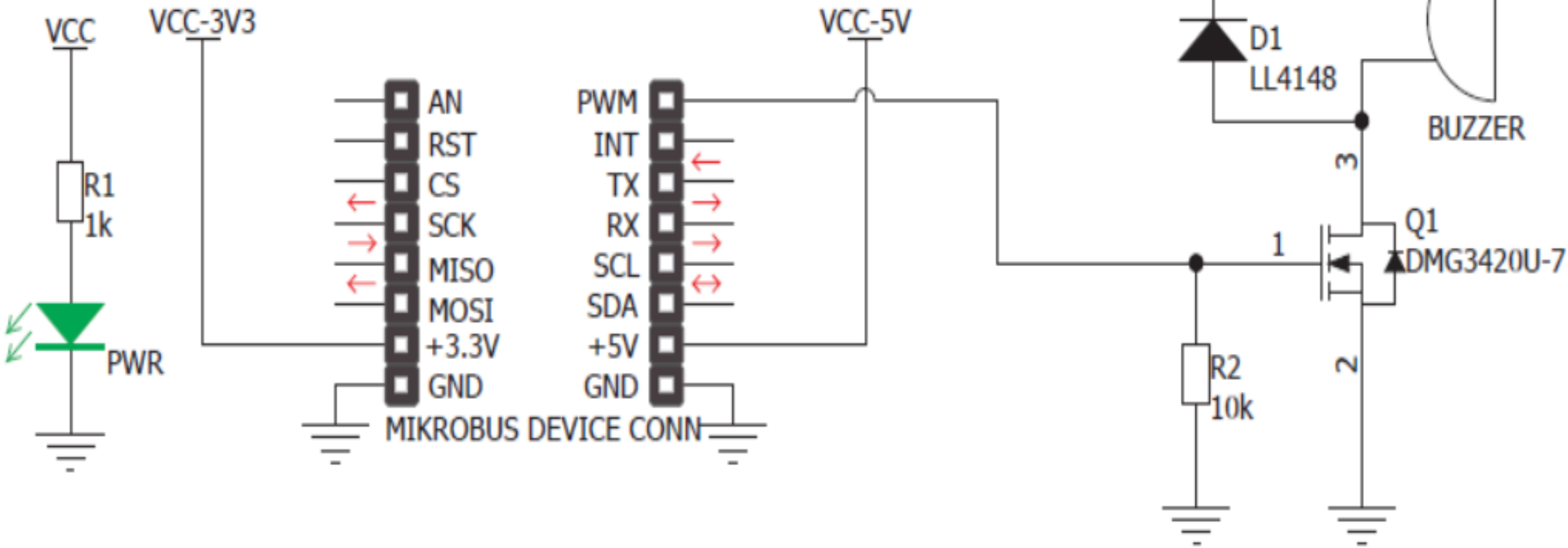


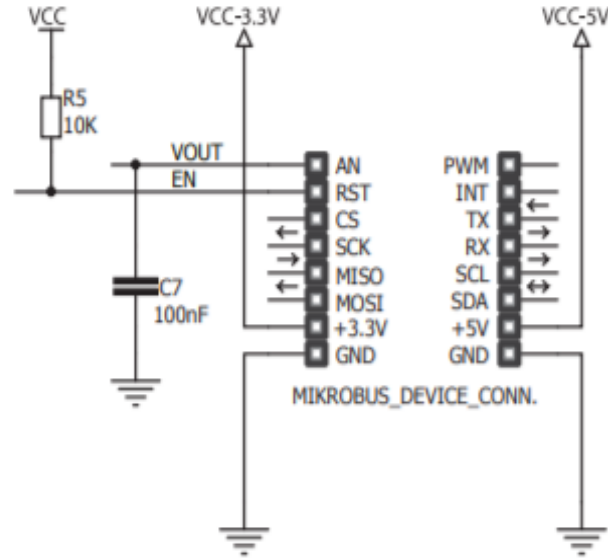
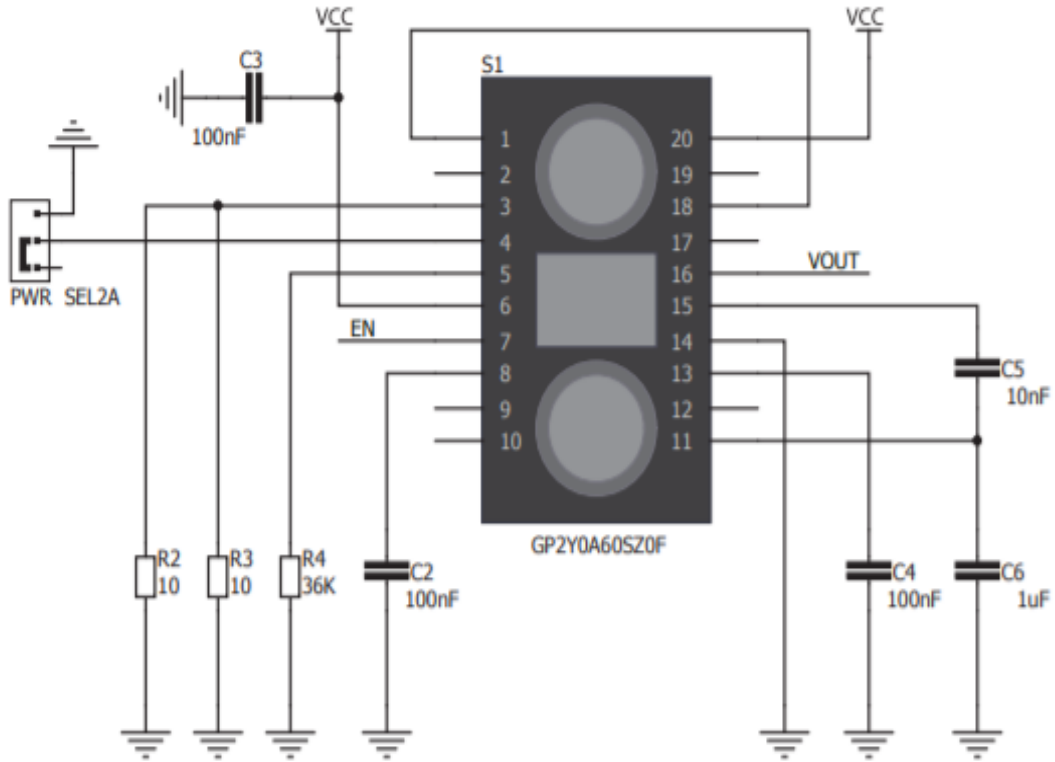
Circuit diagram of  
Reed Sensor  
(Reed Click)  
Lab 4A Page 10

# Circuit diagram of Buzzer

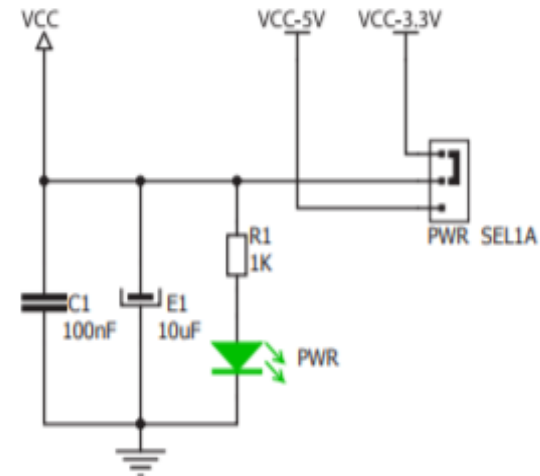
(Buzz 2 Click)

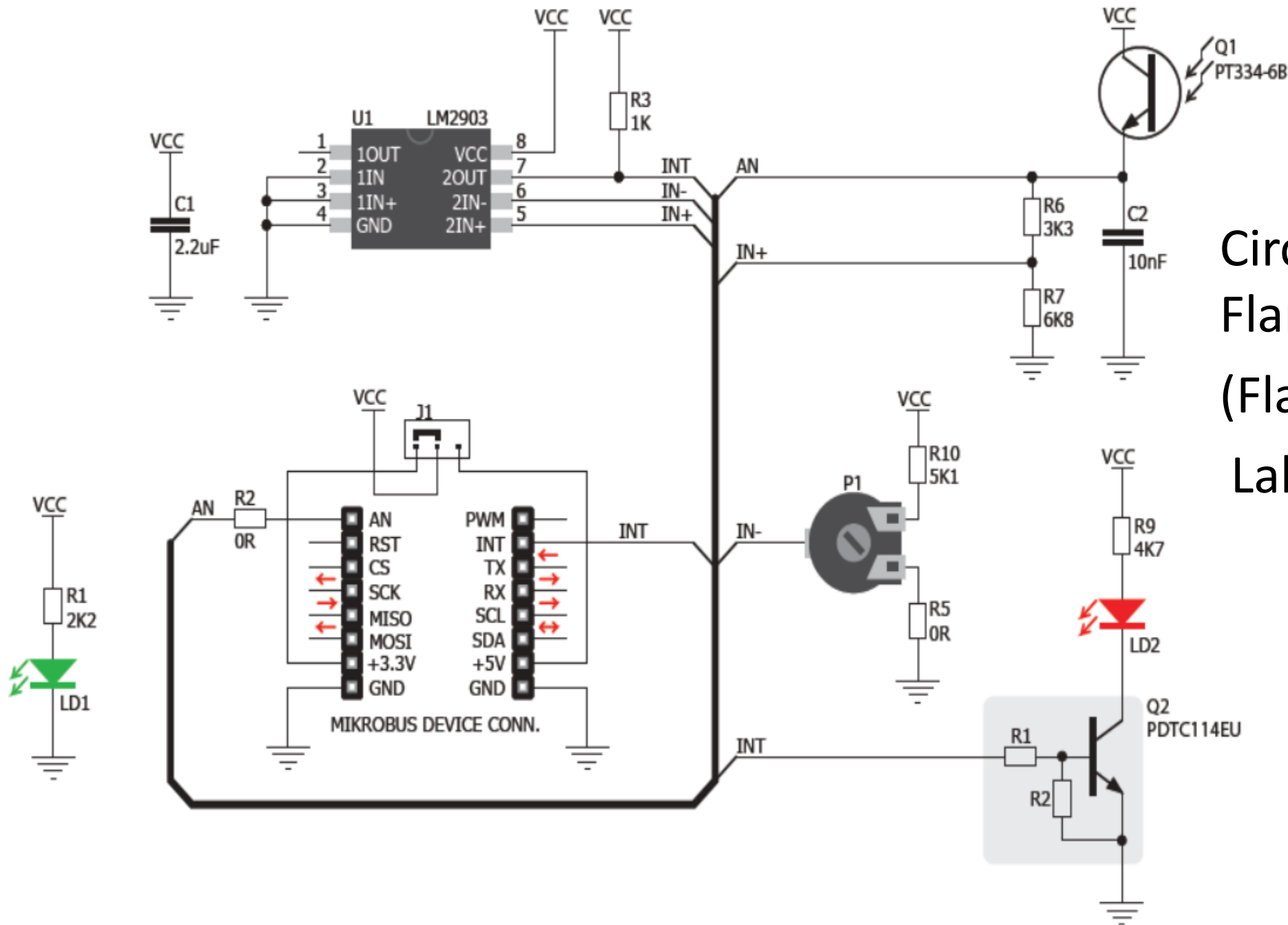
Lab 4A Page 12





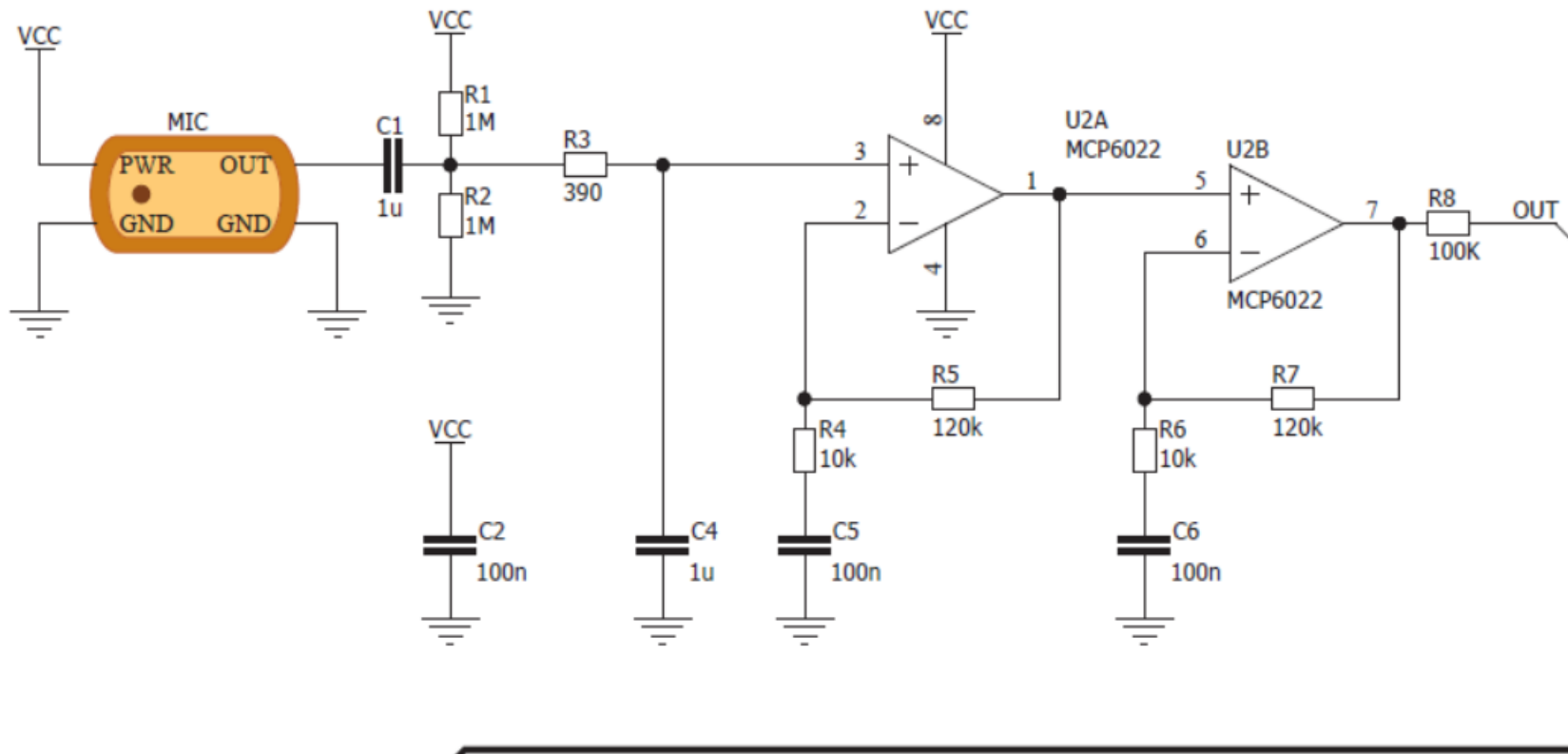
Circuit diagram of Proximity Sensor  
(IR Distance Click)  
Lab 4B Page 2



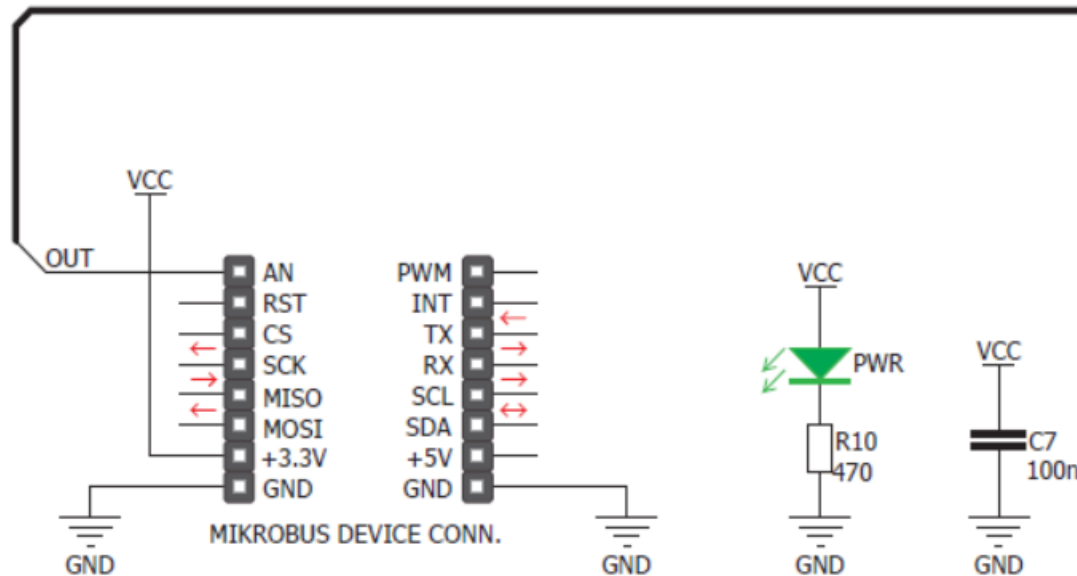


Circuit diagram of  
Flame Sensor  
(Flame Click)  
Lab 4B Page 5



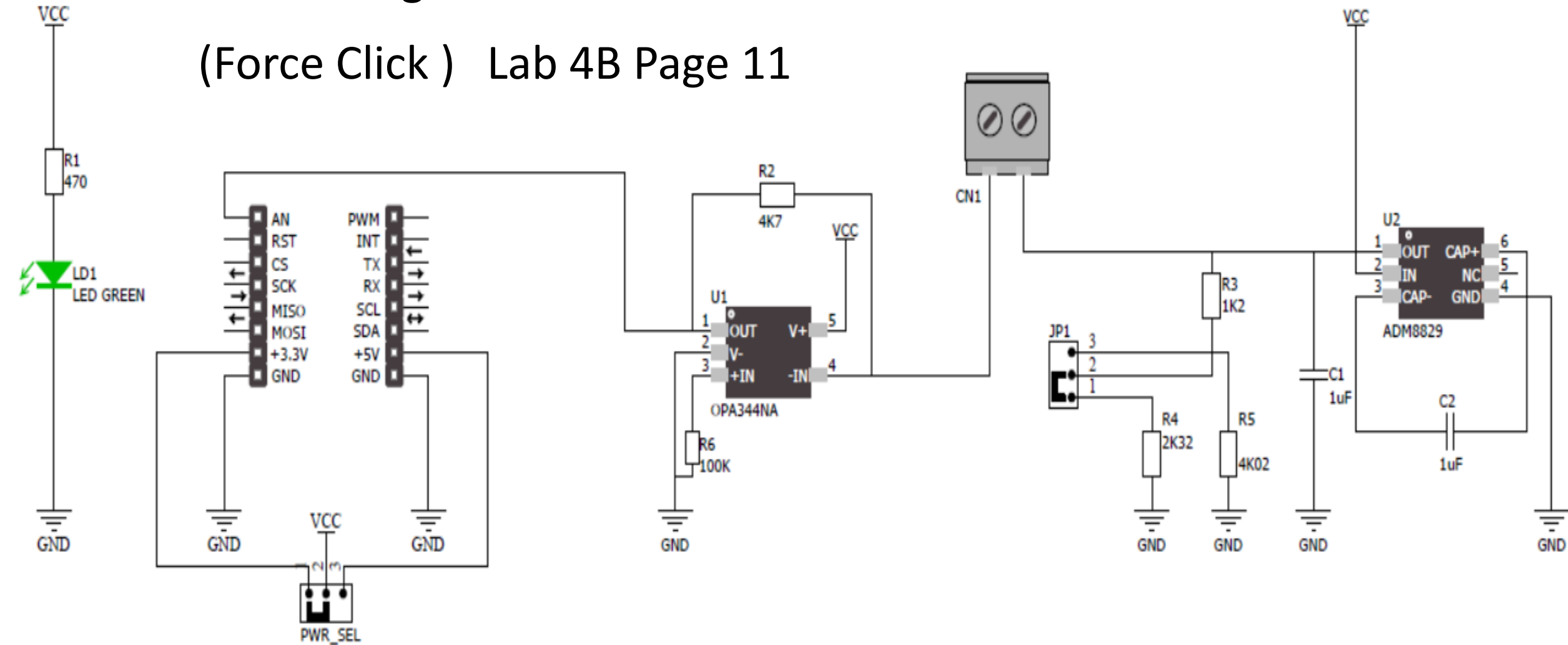


Circuit diagram of  
Microphone  
(Mic Click )  
Lab 4B Page 8



# Circuit diagram of Force Sensor

(Force Click ) Lab 4B Page 11



# Circuit diagram of Vibrator

(Vibro Motor Click) Lab 4B Page 14

