

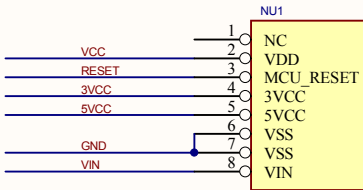
	1	2	3	4	5	6
A						
B						
C						
D						

A

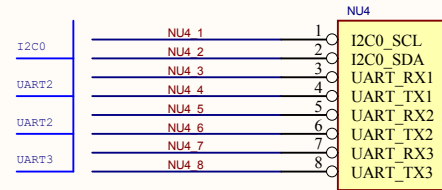
B

C

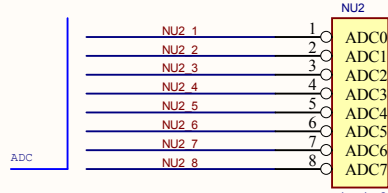
D



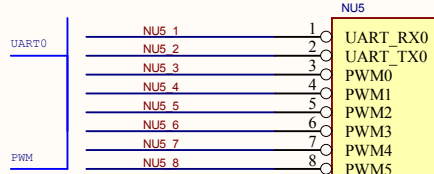
header 2.54 1X8 ()



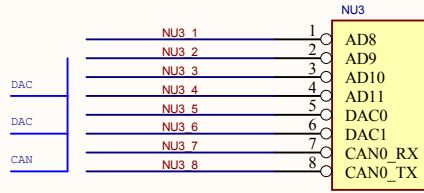
header 2.54 1X8 ()



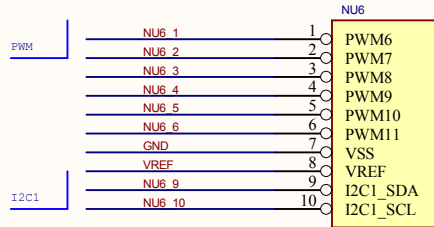
header 2.54 1X8 ()



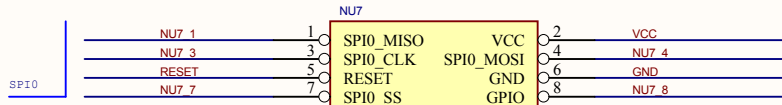
header 2.54 1X8 ()



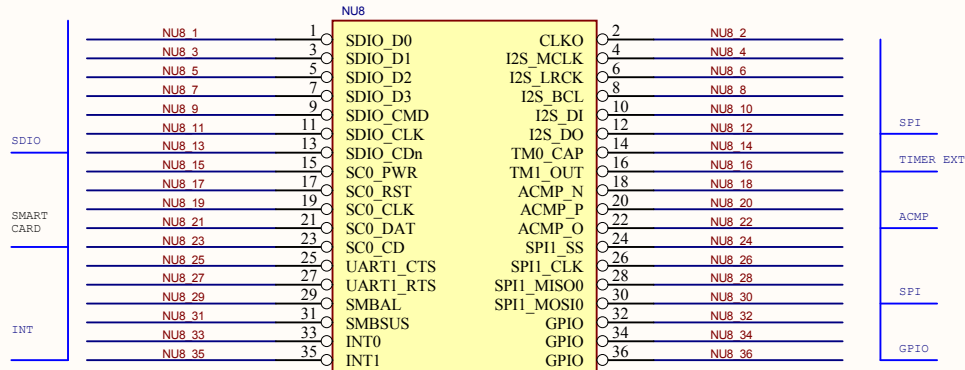
header 2.54 1X8 ()



header 2.54 1X10 ()

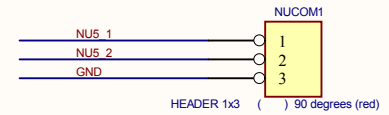
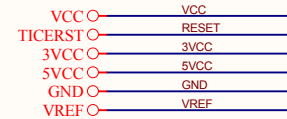
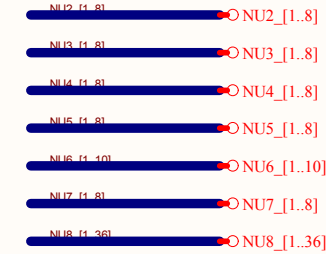


header 2.54 2X4 ()

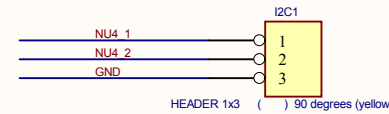


header 2.54 18X2 male (tail)

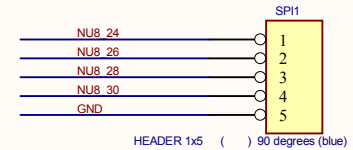
Off-page Connector



HEADER 1x3 () 90 degrees (red)



HEADER 1x3 () 90 degrees (yellow)



HEADER 1x5 () 90 degrees (blue)

A

B

C

D

A

B

C

D

A

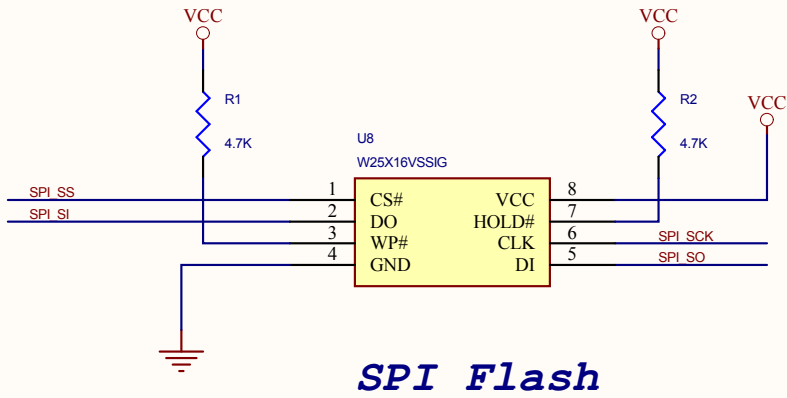
B

C

D

Off-page Connector

NU7_7	○	————	SPI_SS
NU7_1	○	————	SPI_SI
NU7_4	○	————	SPI_SO
NU7_3	○	————	SPI_SCK
VCC	○	————	VCC
GND	○	————	GND



1 2 3 4 5 6

A

A

B

B

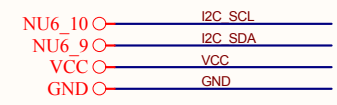
C

C

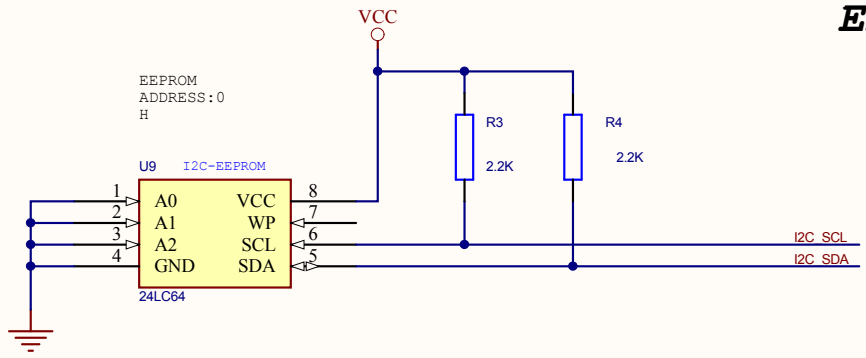
D

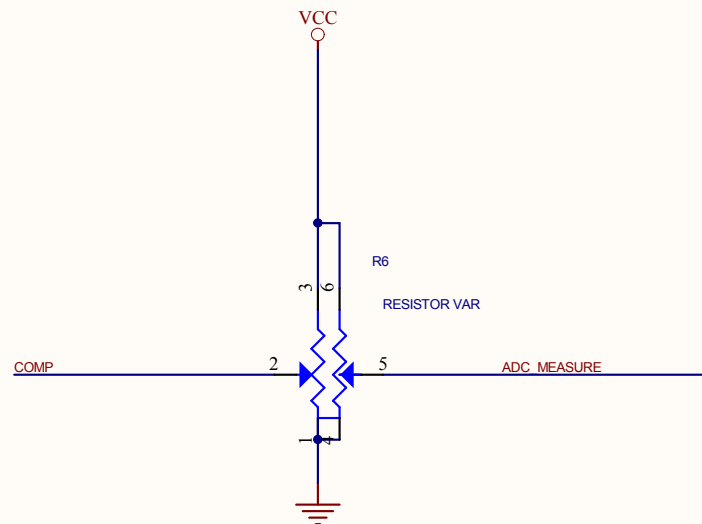
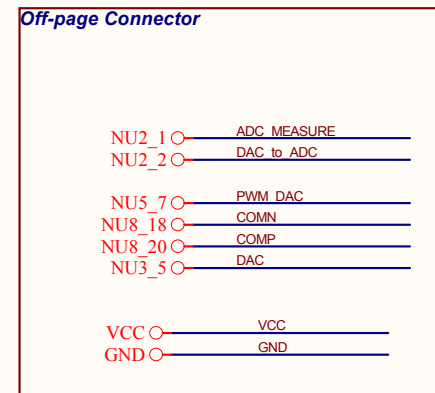
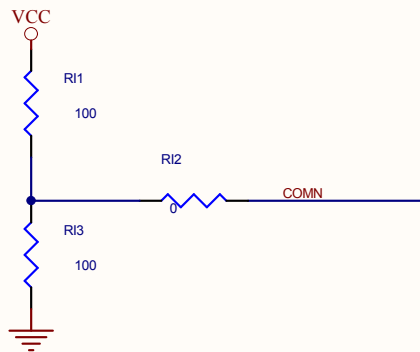
D

Off-page Connector

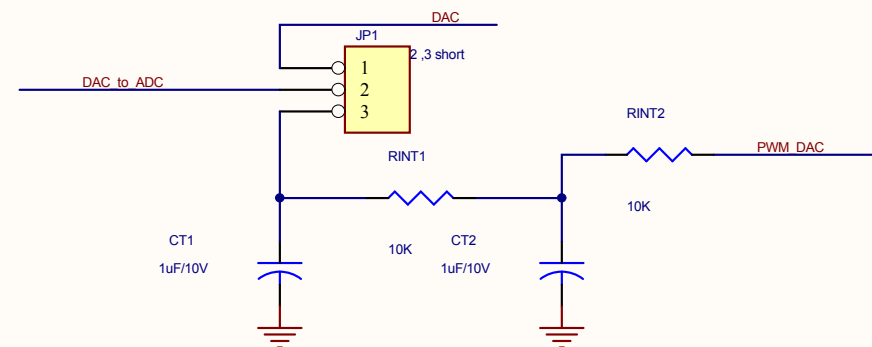


**I2C
EEPROM**





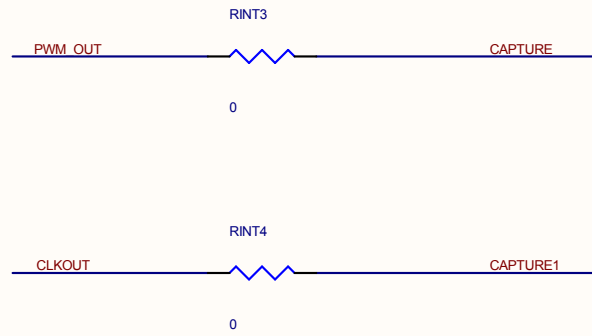
ADC and Comparator



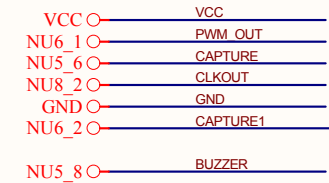
**PWM to voltage
and ADC**

$$f_c = 1 / (2 * \pi * (R1 * C1))$$

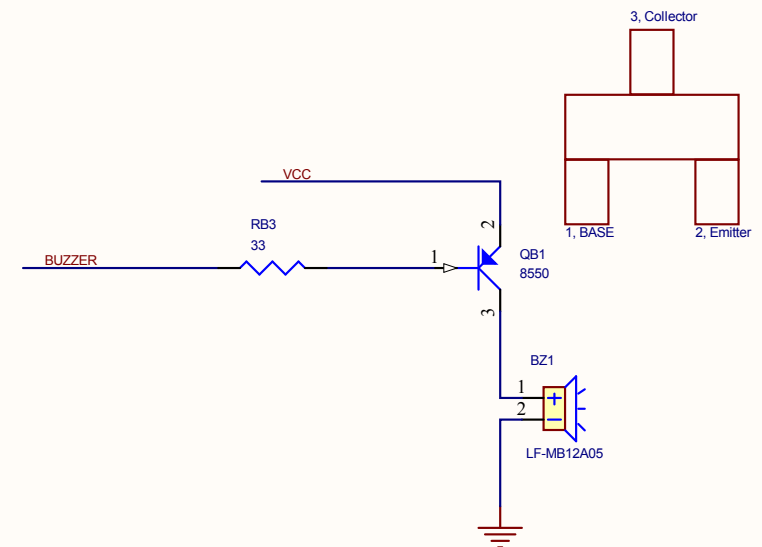
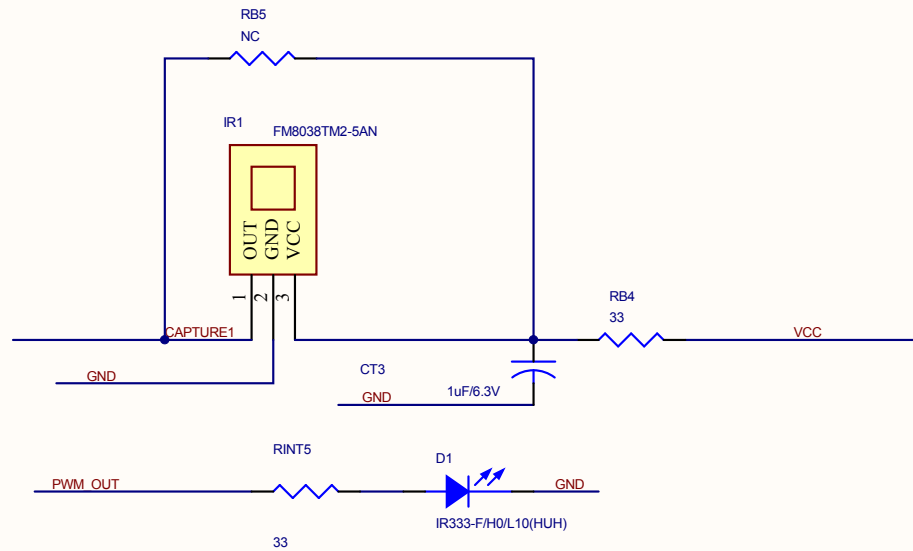
PWM and CAPTURE



Off-page Connector



CLKOUT and CAPTURE



Buzzer

CIR TX and RX

A

B

C

D

1

2

3

4

5

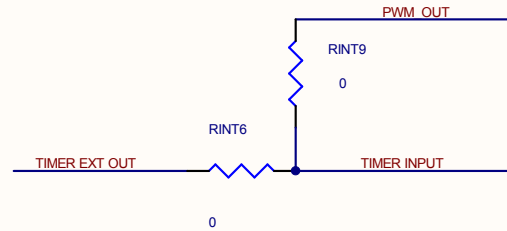
6

A

B

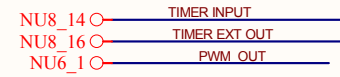
C

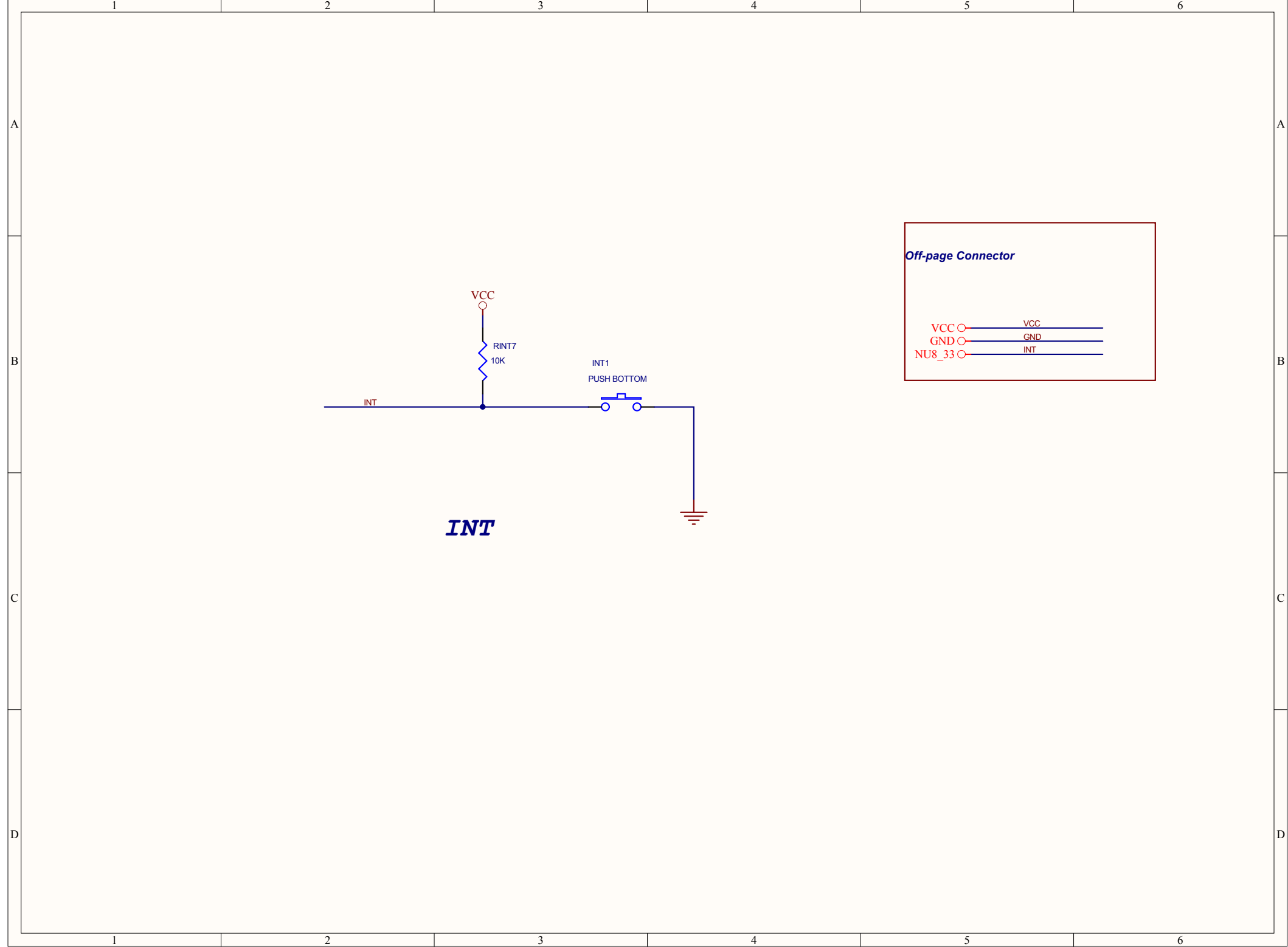
D



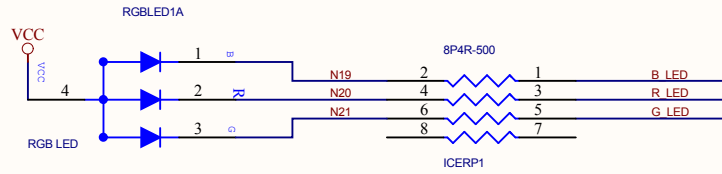
**TM0 OUTPUT and
TM1 Capture**

Off-page Connector

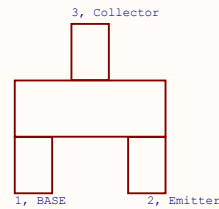
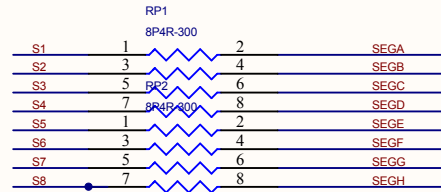
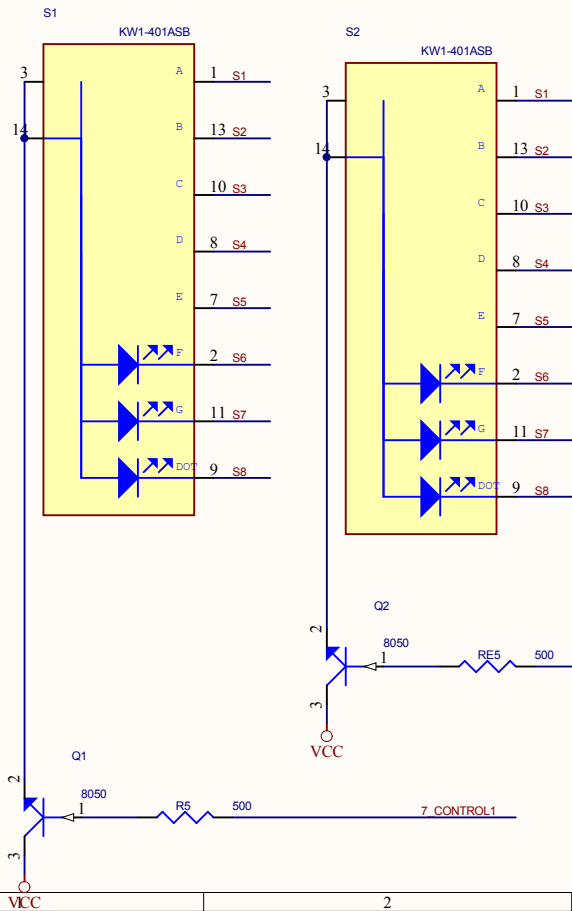




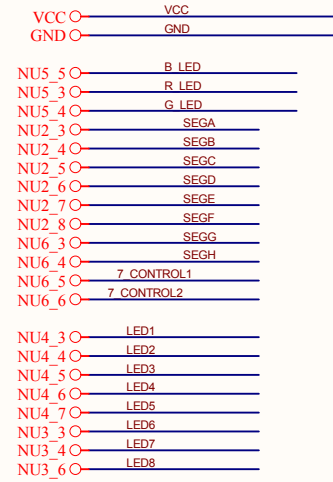
RGB LED by PWM driver



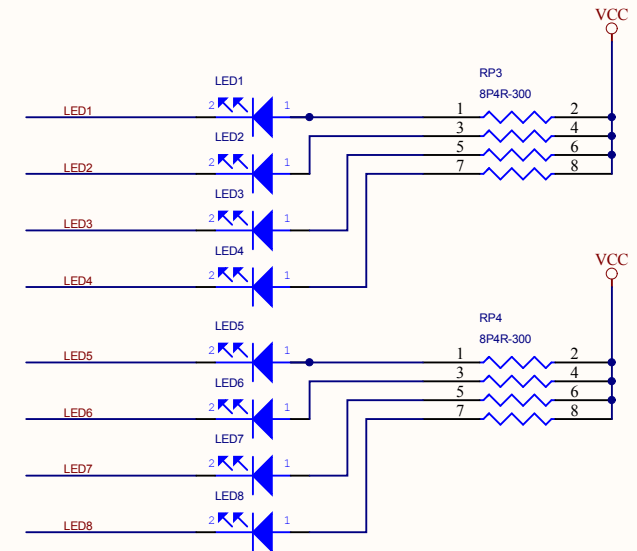
7-SEGMENT



Off-page Connector



LED



Comment	Description	Designator	Footprint	LibRef	Quantity
LF-MB12A05	HUA-JIE/PAC-WT-1205-7	BZ1	buzzer_12pd05_d120-p75-h95	BUZZER	1
1uF/10V		CT1, CT2		CAP	2
1uF/6.3V		CT3		CAP	1
IR333-F/H0/L10(HUH)		D1		1091QM	1
HEADER 1x3 そ (タ航) 90 degrees (yellow)		I2C1		HEADER 3	1
8P4R-500		ICERP1		R-PACK8_0	1
PUSH BOTTOM		INT1		SW PUSHBUTTON	1
FM8038TM2-5AN		IR1		TSOP1738_0	1
2 ,3 short		JP1		HEADER 3	1
RED		LED1, LED2		LED_0	2
Green		LED3, LED4, SW2, SW3, SW4		LED_0, SW PUSHBUTTON	5
BLUE		LED5, LED6		LED_0	2
YELLOW		LED7, LED8		LED_0	2
header 2.54 1X8 そ (獅璉)		NU1, NU3		ADC1_CONNECT_1, POWER_CONNECT_	2
header 2.54 1X8 そ (獅璉)		NU2, NU4, NU5		ADC_CONNECT, INTERFACE0_0, PWM0_CONNECT_0	3
header 2.54 1X10 そ (獅璉)		NU6		PWM1_CONNECT_1	1
header 2.54 2X4 ダ (獅璉)		NU7		SPI_CONNECT_0	1
header 2.54 18X2 male (tail)		NU8		HEADER 18X2_3	1
HEADER 1x3 そ (タ航) 90 degrees (red)		NUCOM1		HEADER 3	1
8050		Q1, Q2		NPN_2	2
8550		QB1		PNP_2	1
4.7K		R1, R2		R_Dup1	2
2.2K		R3, R4		R_Dup2	2
500		R5, RE5		R_0	2
RESISTOR VAR		R6		RESISTOR VAR_0	1
33		RB3, RB4, RINT5		R_0	3
NC		RB5		R_0	1
RGB LED		RGBLED1		LDD-A40N_1	1
100		RI1, RI3		R_0	2
0		RI2, RINT3, RINT4, RINT6, RINT9		R_0	5
10K		RINT1, RINT2, RINT7		R_0	3
8P4R-300		RP1, RP2, RP3, RP4		R-PACK8_0	4
8P4R-10K		RP6		R-PACK8_0	1
KW1-401ASB		S1, S2		LN05301_1	2
HEADER 1x5 そ (タ航) 90 degrees (blue)		SPI1		HEADER 5	1
BLACK		SW1		SW PUSHBUTTON	1
W25X16VSSIG		U8		W25P10/20/40	1
24LC64		U9	SO8	M_I2CEEPROM-MC24LC	1