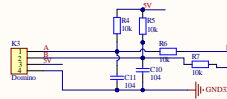
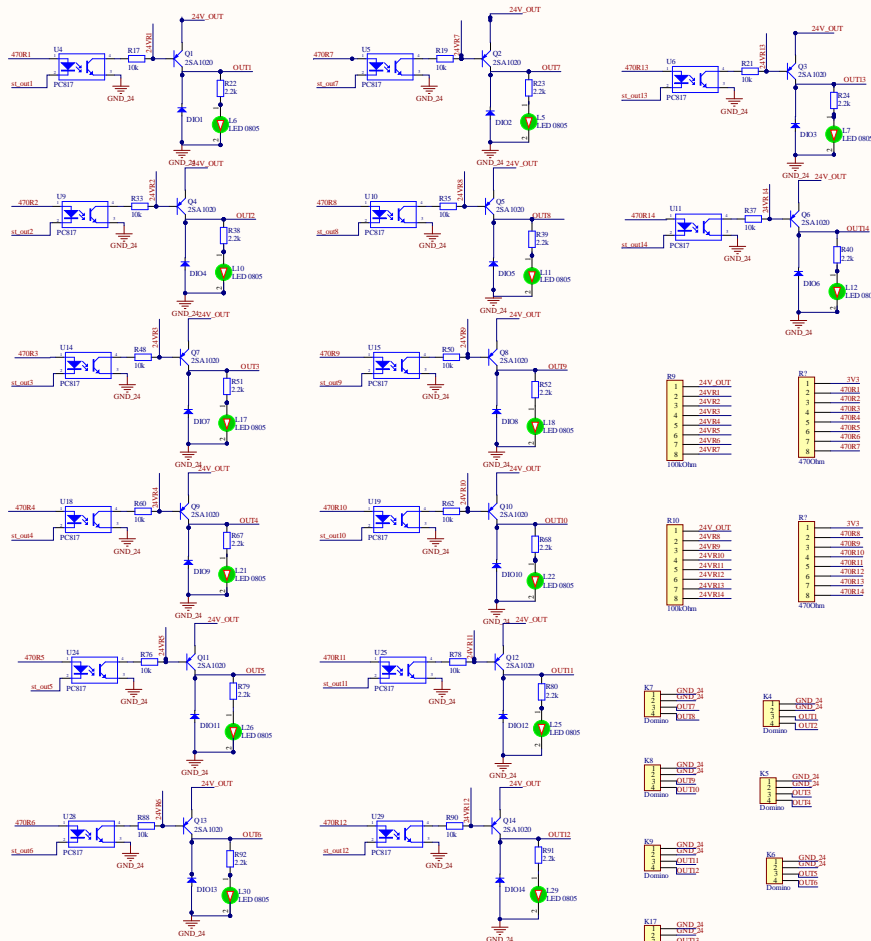


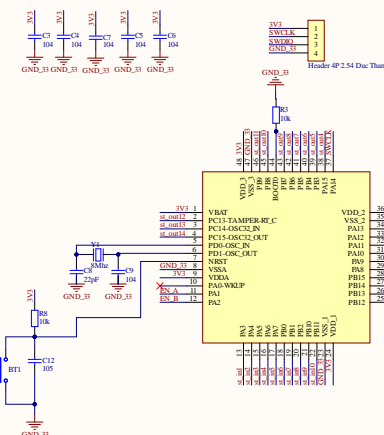
POWER



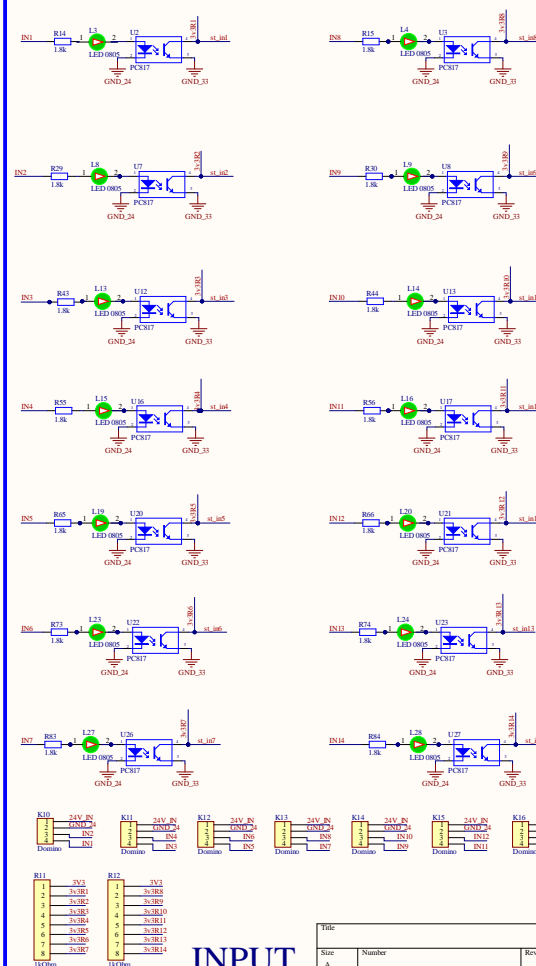
ENCODER



OUTPUT



MCU



INPUT

Title		
Size	Number	Revision
A		
Date:	2024	Sheet of
File:	2-Alarm_Schematic_SchDoc	1
Drawn By:		

Comment	Description	Designator	Footprint	LibRef	Quantity
AMS1117-3.3V	Dán	AMS1	SOT223	AMS1117 SMD	1
Nut Nhan 2 Chan SMD 3x6x2.5	Nut Nhan 2 Chan SMD 3x6x2.5	BT1	Nut Nhan 2 Chan SMD 3x6x2.5	Nut Nhan 2 Chan SMD 3x6x2.5	1
106	Dán	C1, C2	tu 1206	Tu 1206 106 16V20%	2
104	Dán	C3, C4, C5, C6, C7, C9, C10, C11	tu 1206	Tu 1206 104 50V20%	8
22pF	Dán	C8	tu 1206	Tu 1206 22pF 50V 10%	1
105	Dán	C12	tu 1206	Tu 1206 105 50V20%	1
Diode SMD	Default Diode	DIO1, DIO2, DIO3, DIO4, DIO5, DIO6, DIO7, DIO8, DIO9, DIO10, DIO11, DIO12, DIO13, DIO14	DIO-SMD-123	Diode SMD	14
Header 4P 2.54 Duc Thang	Cắm	H1	XH2.54M-4	Header 4P 2.54 Duc Thang	1
Domino	Domino	K1, K2, K3, K4, K5, K6, K7, K8, K9, K10, K11, K12, K13, K14, K15, K16, K17	KF128HL_2P	KF128HL_2P	17
LED0805	Dán	L1, L2	LED-1206-Red	LED 1206 Do	2
LED0805	Dán	L3, L4, L5, L6, L7, L8, L9, L10, L11, L12, L13, L14, L15, L16, L17, L18, L19, L20, L21, L22, L23, L24, L25, L26, L27, L28, L29, L30	LED-1206-Green	LED 1206 Xanh La	28
2SA1020	PNP 600mW, ECB	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14	TO92-123	2SA1015	14
1k	Dán	R1, R2	tro smd 1206	Tro 1206 5% 1k	2
10k	Dán	R3, R4, R5, R6, R7, R8, R17, R19, R21, R33, R35, R37, R48, R50, R60, R62, R76, R78, R88, R90	tro smd 1206	Tro 1206 5% 10k, Tro 1206 1% 10k	20
100kOhm	resistor bar 1kOhm	R9, R10	resistor_bar	resistor_bar	2
1kOhm	resistor bar 1kOhm	R11, R12	resistor_bar	resistor_bar	2
1.8k	Dán	R14, R15, R29, R30, R43, R44, R55, R56, R65, R66, R73, R74, R83, R84	tro smd 1206	Tro 1206 1% 2k	14
2.2k	Dán	R22, R23, R24, R38, R39, R40, R51, R52, R67, R68, R79, R80, R91, R92	tro smd 1206	Tro 1206 1% 2.2k	14
470Ohm	resistor bar 1kOhm	R?	resistor_bar	resistor_bar	2
STM32F103C8T6	ARM®Cortex®M3 STM32F1 Microcontroller IC 32-Bit 72MHz 64KB (64Kx8) FLASH 48-LQFP (7x7)	U1	LQFP-48_19.6_393_58X11_SMD	IC_STM32F103C8T6	1
PC817	Single Opto	U2, U3, U4, U5, U6, U7, U8, U9, U10, U11, U12, U13, U14, U15, U16, U17, U18, U19, U20, U21, U22, U23, U24, U25, U26, U27, U28, U29	DIP4	PC817	28
8Mhz	Crystal For all Crystal 2pin.	Y1	Thach Anh 2 chan SMD	Thach Anh 2 chan SMD	1