

A

A

B

C

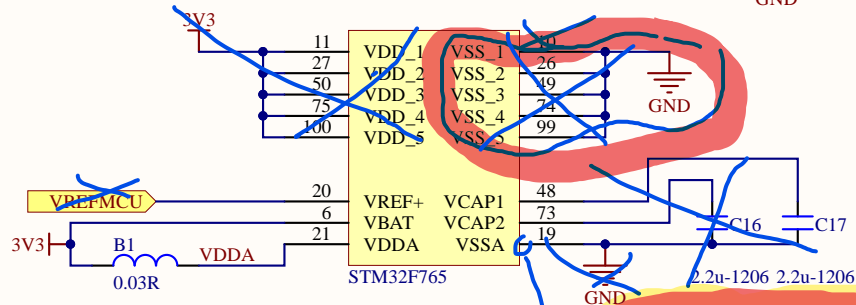
D

U1

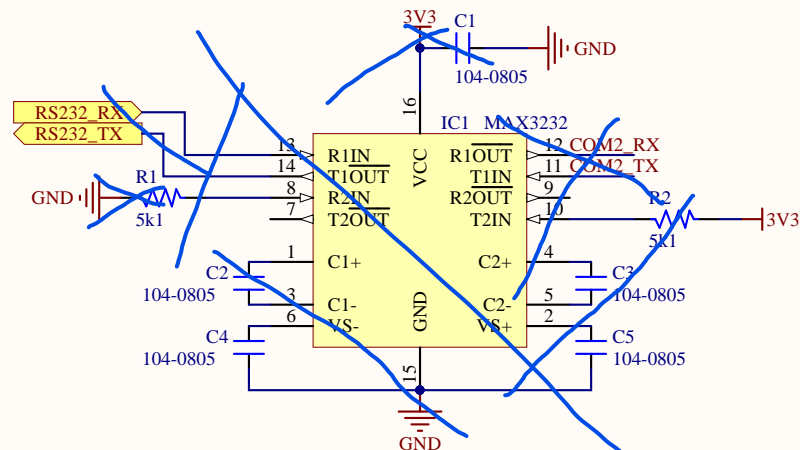
ADCx_IN0	22	PA0	PD0	81
ADCx_IN1	23	PA1	PD1	82
ADCx_IN2	24	PA2	PD2	83
ADCx_IN3	25	PA3	PD3	84
ADCx_IN4	28	PA4	PD4	85
ADCx_IN5	29	PA5	PD5	86
ADCx_IN6	30	PA6	PD6	87
ADCx_IN7	31	PA7	PD7	88
	67	PA8	PD8	55
	68	PA9	PD9	56
	69	PA10	PD10	57
	70	PA11	PD11	58
DQ0	71	PA12	PD12	59
DQ1	72	PA13	PD13	60
DBG_SWDIO	76	PA14	PD14	61
DBG_SWCLK	77	PA15	PD15	62

ADCx_IN8	34	PB0	PE0	97
ADCx_IN9	35	PB1	PE1	98
BOOT1	36	PB2	PE2	1
	89	PB3	PE3	2
Enc_A	90	PB4	PE4	3
Enc_B	91	PB5	PE5	4
DI0	92	PB6	PE6	5
DI1	93	PB7	PE7	37
COM1_RX	95	PB8	PE8	38
COM1_TX	96	PB9	PE9	39
	46	PB10	PE10	40
	47	PB11	PE11	41
	51	PB12	PE12	42
	52	PB13	PE13	43
	53	PB14	PE14	44
	54	PB15	PE15	45

ADCx_IN10	15	PC0	PH0	12
ADCx_IN11	16	PC1	PH1	13
ADCx_IN12	17	PC2		
ADCx_IN13	18	PC3	PC14	8
ADCx_IN14	32	PC4	PC15	9
ADCx_IN15	33	PC5		
	63	PC6		
	64	PC7	NRST	14
	65	PC8		
	66	PC9	BOOT0	94
COM2_TX	78	PC10		
COM2_RX	79	PC11		
	80	PC12		
	7	PC13		



hên qua C16, C17



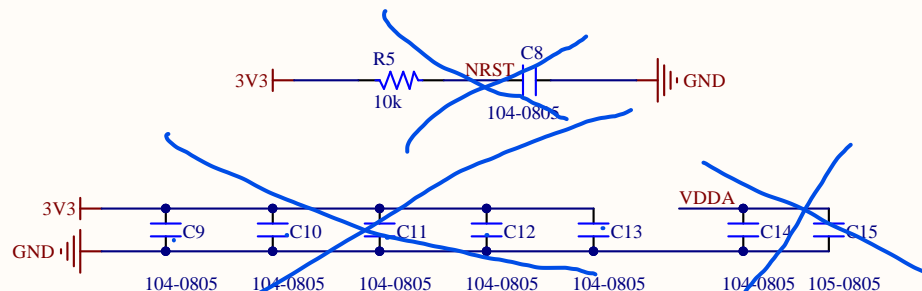
ADC Pin Map

AI0	ADCx_IN9
AI1	ADCx_IN8
AI2	ADCx_IN15
AI3	ADCx_IN14
AI4	ADCx_IN10
AI5	ADCx_IN11
AI6	ADCx_IN12
AI7	ADCx_IN13

AI8	ADCx_IN7
AI9	ADCx_IN6
AI10	ADCx_IN5
AI11	ADCx_IN4
AI12	ADCx_IN3
AI13	ADCx_IN2
AI14	ADCx_IN1
AI15	ADCx_IN0

Note 1: ADC3 chỉ có các kênh 0->3 và 10->13

Note 2: Khi sử dụng DAC, không sử dụng các kênh ADC ứng với ADCx_IN4 và ADCx_IN5



Title

MACH THU THAP DU LIEU - MCU

Size

Number

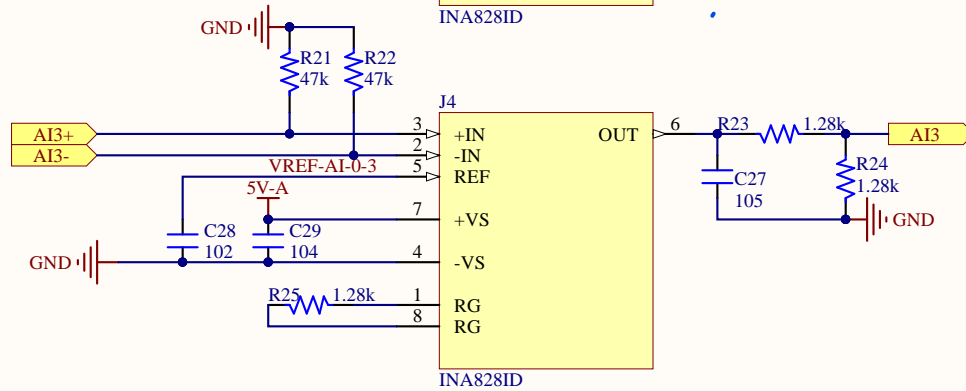
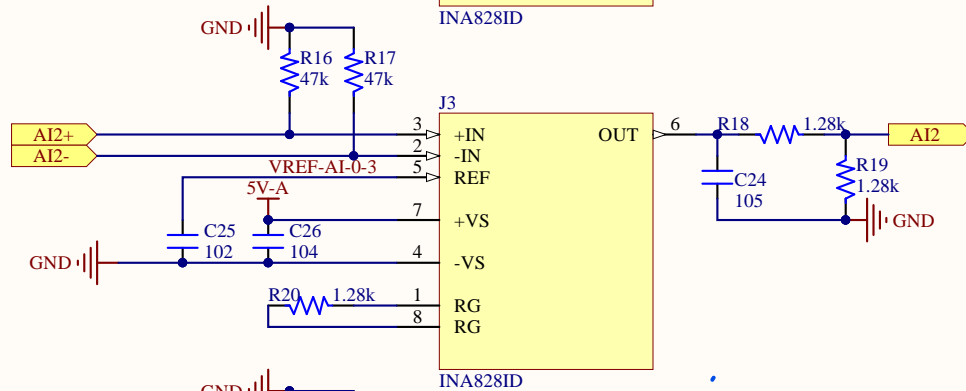
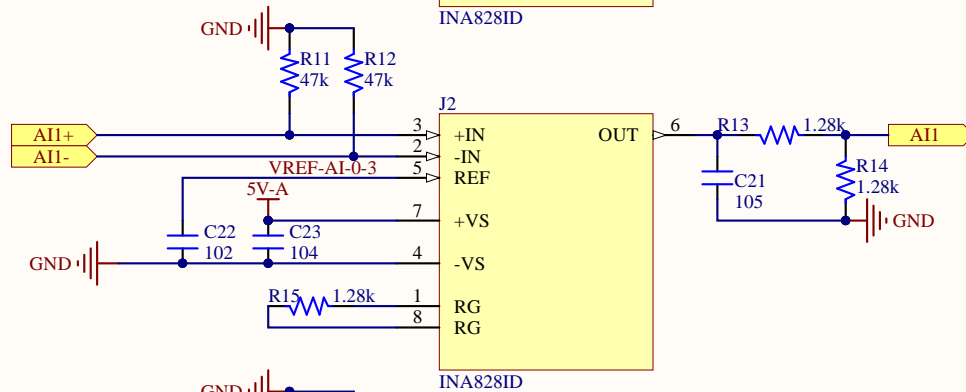
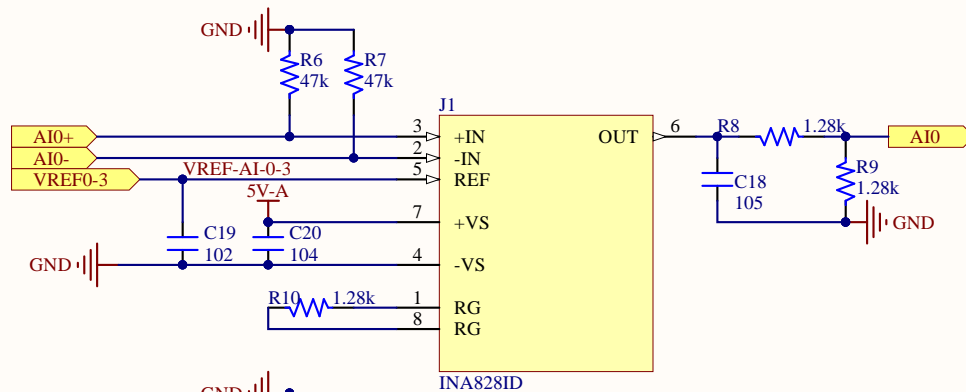
Revision

3

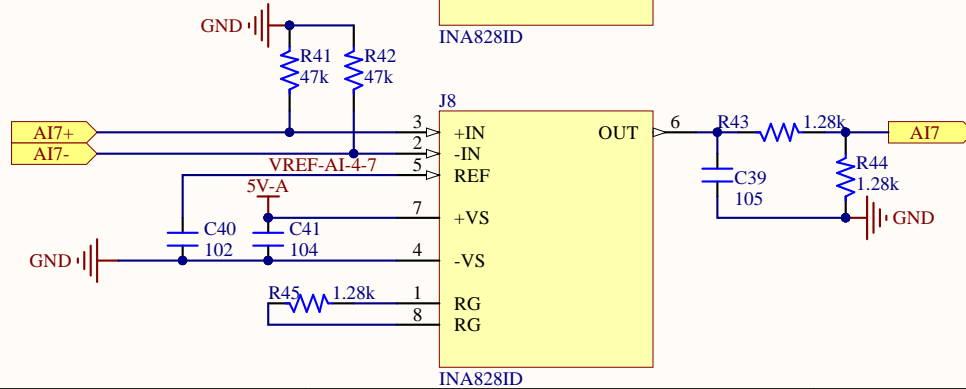
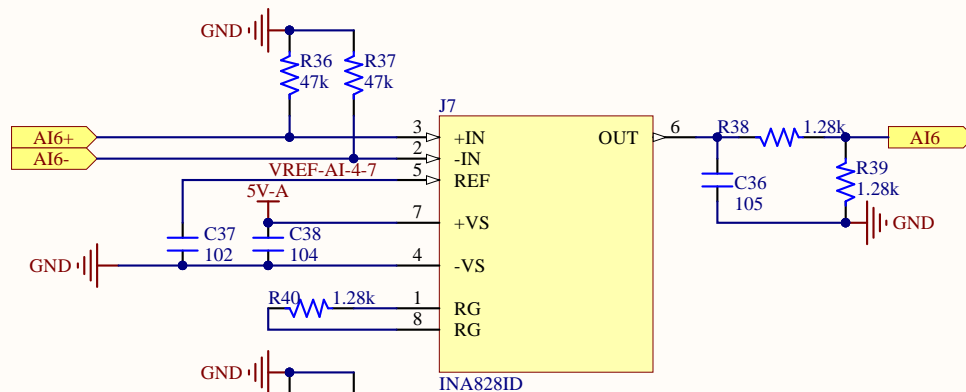
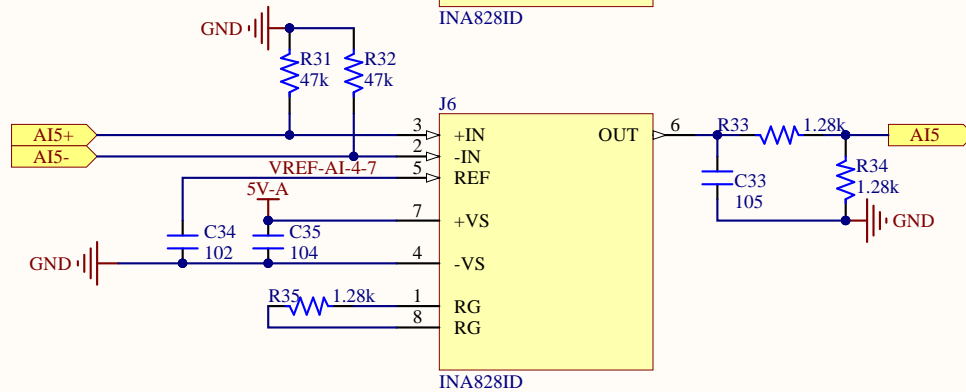
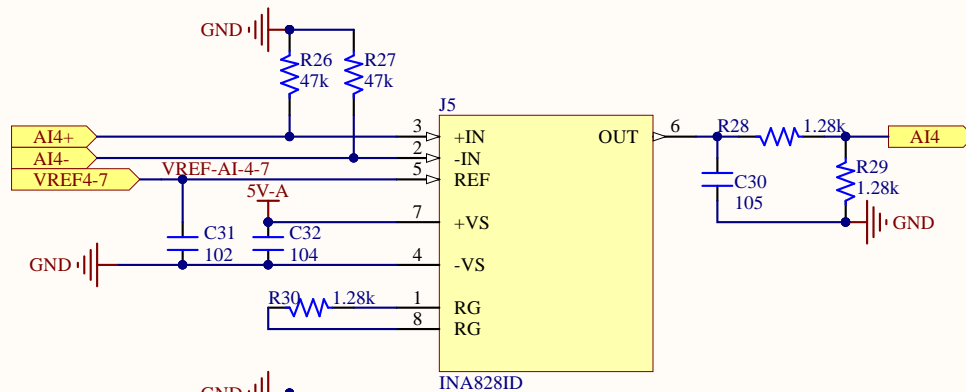
Date: 14/01/2021

Sheet 1 of 8

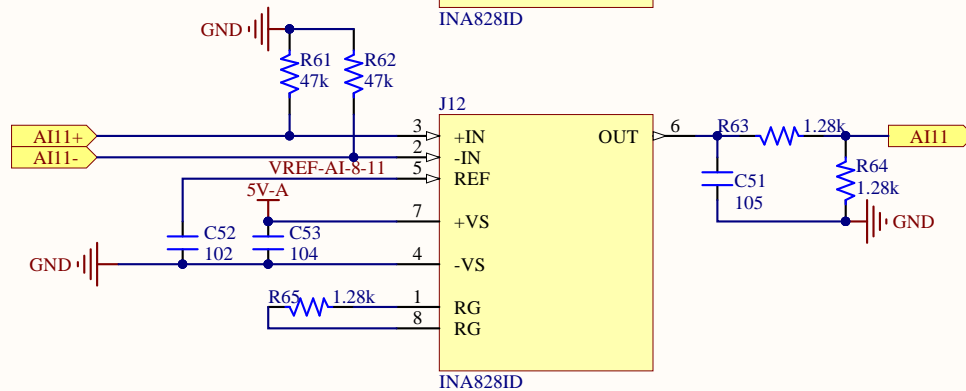
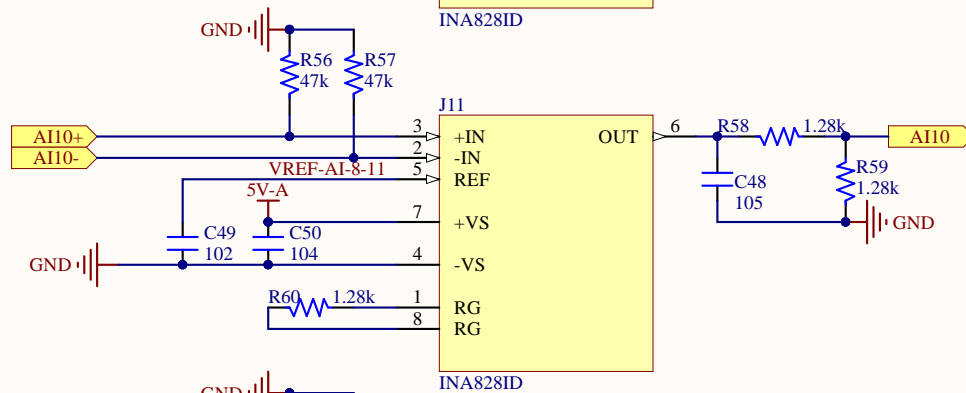
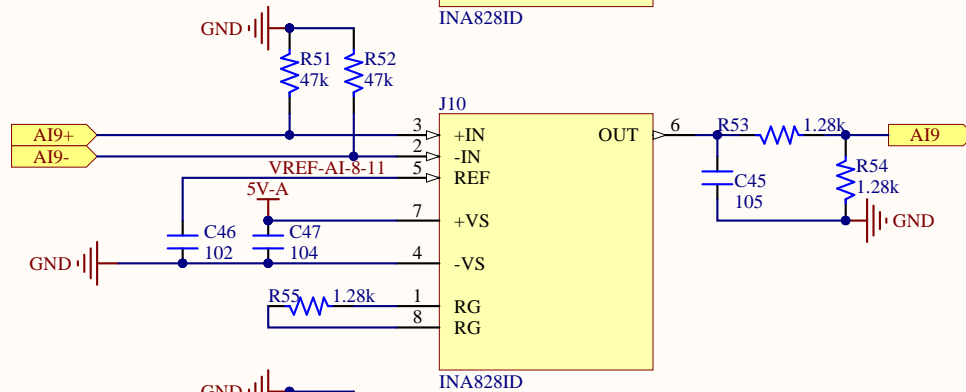
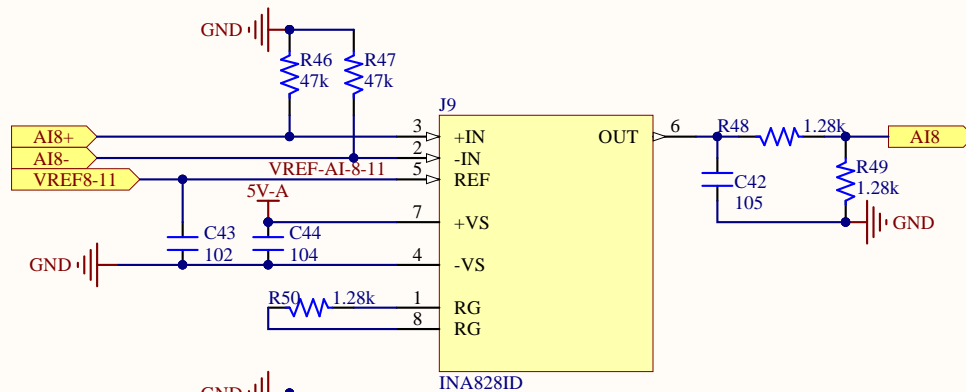
File: D:\Microcontroller project\Sheet1 MCU.Dwg By: Tran Quoc Tien Dung



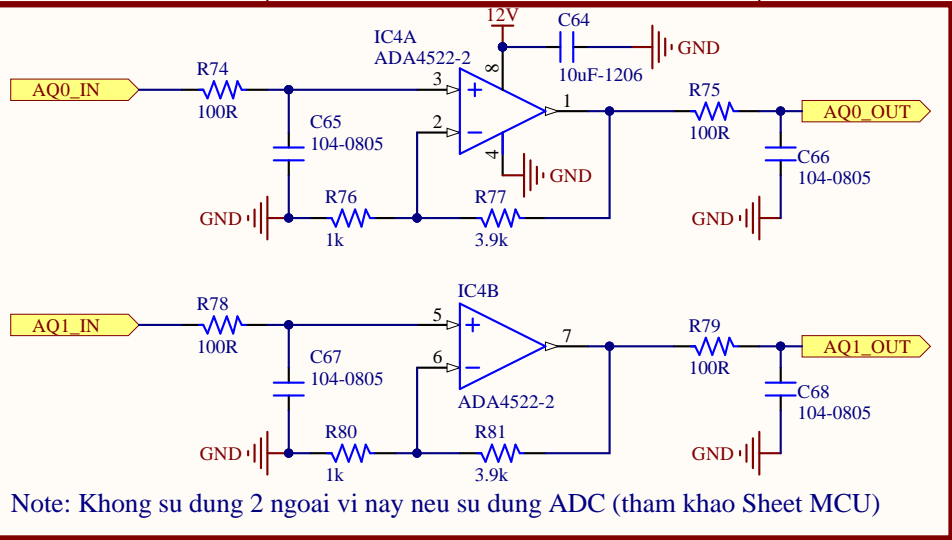
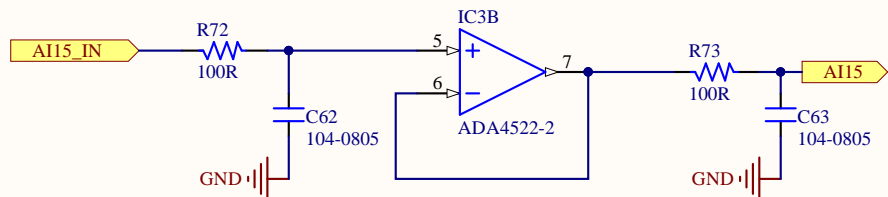
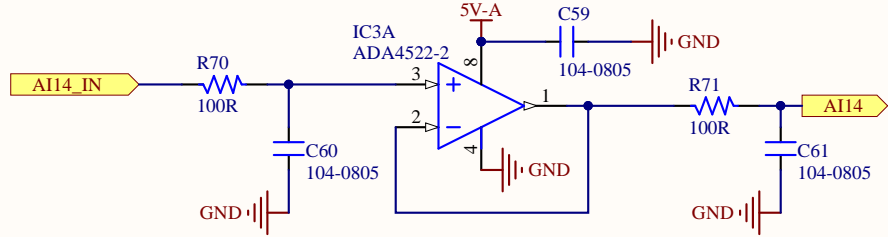
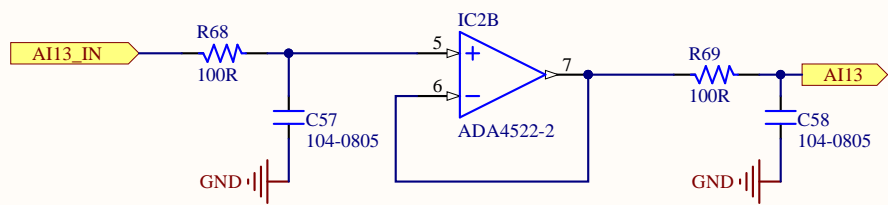
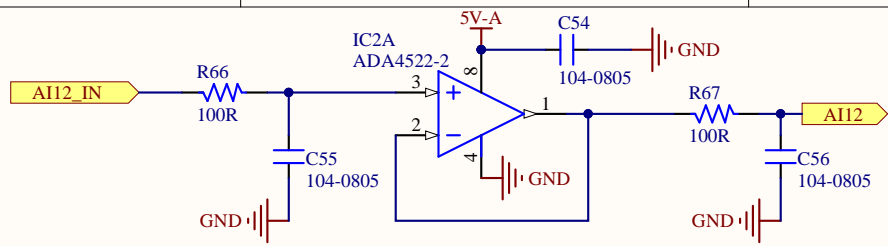
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Size	Number			Revision	
A				3	
Date:	14/01/2021		Sheet	2	of 8
File:	D:\Microcontroller project\...\Sheet2_AI Diff 0-3.Doc Tran Quoc Tien Dung				



Title			MACH THU THAP DU LIEU - AI Diff 4-7		
Size	Number			Revision	
A				3	
Date:	14/01/2021			Sheet 3 of 8	
File:	D:\Microcontroller project\...\Sheet3_AI Diff 4-7.Dwg Doc Tran Quoc Tien Dung				



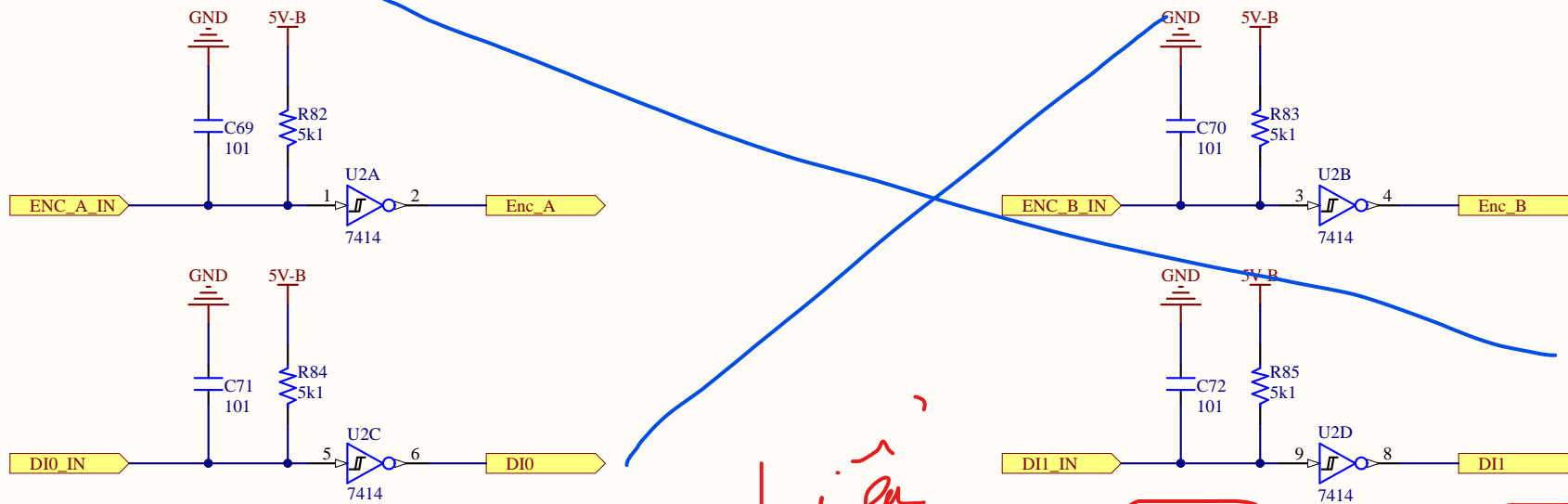
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Size	Number			Revision	
A				3	
Date:	14/01/2021			Sheet 4 of 8	
File:	D:\Microcontroller project\...\Sheet4_AI Diff 8-11.Dwg Drawn By DocTran Quoc Tien Dung				



Note: Khong su dung 2 ngoai vi nay neu su dung ADC (tham khao Sheet MCU)

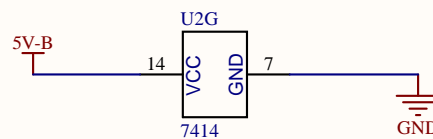
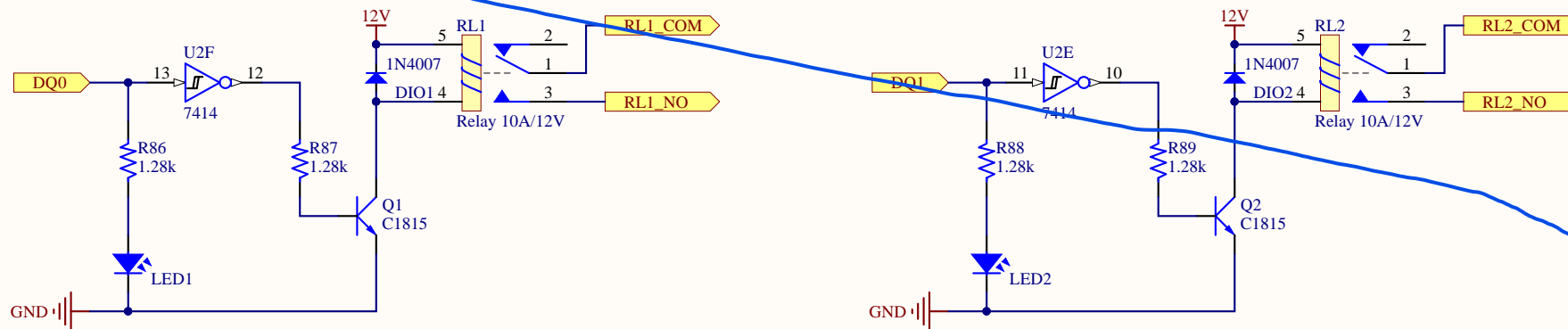
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Size	Number		Revision	
A			3	
Date:	14/01/2021		Sheet	5 of 8
File:	D:\Microcontroller project\...Sheet5_AI 12-15-AQ-Sch06		Drawn by: Can Quoc Tien Dung	

ENCODER + DIGITAL INPUT

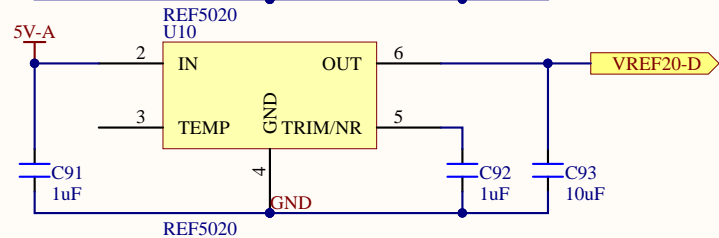
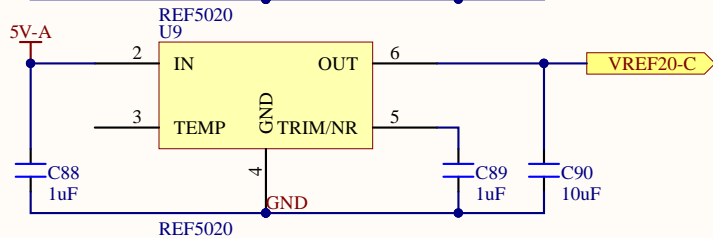
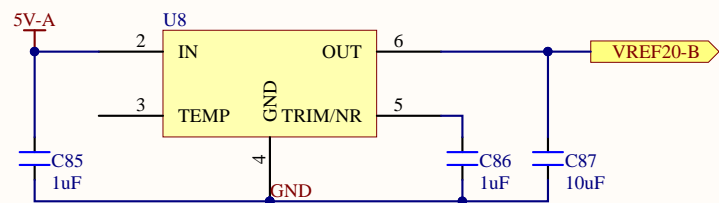
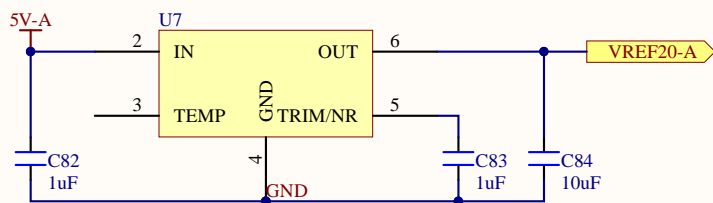
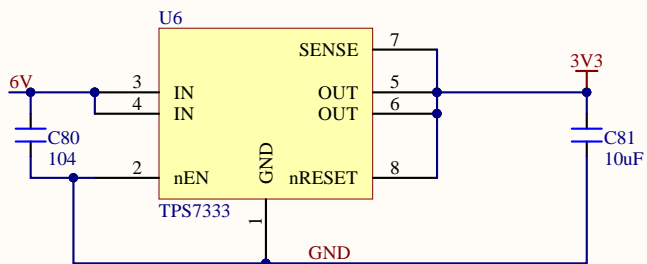
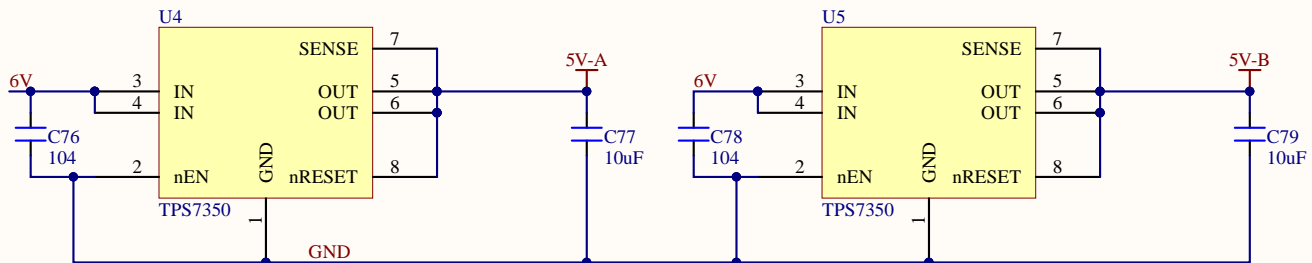
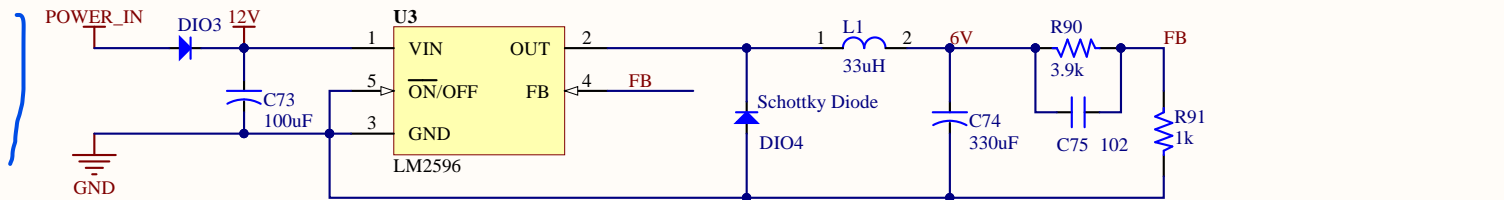


Note: Nếu Encoder không sử dụng điện trở kéo lên thì không cần hạn vào

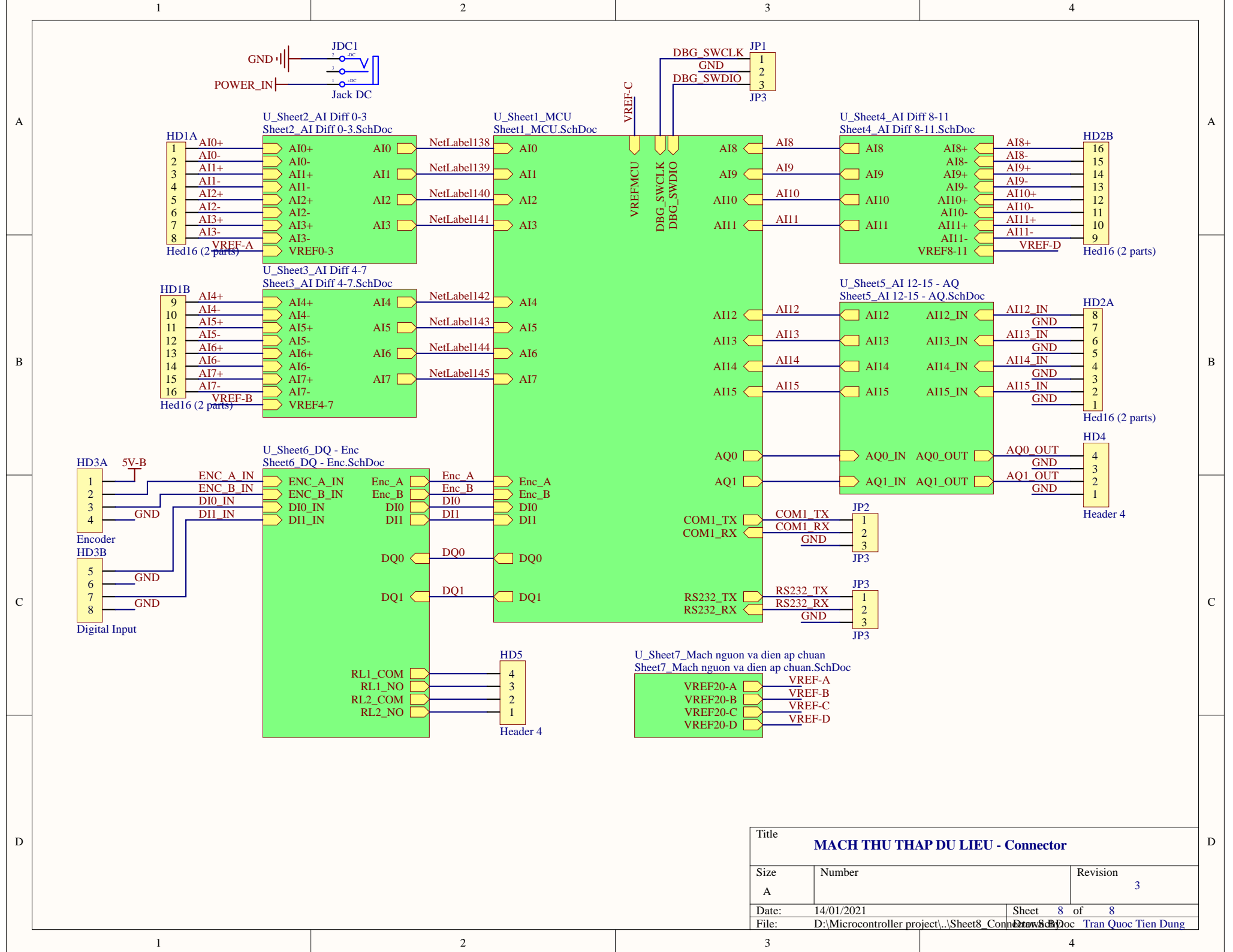
DIGITAL OUTPUT



Title		
MACH THU THAP DU LIEU - ENCODER + DI +DQ		
Size	Number	Revision
A		3
Date:	14/01/2021	Sheet 6 of 8
File:	D:\Microcontroller project\Sheet6_DQ - Drawn by	Tran Quoc Tien Dung



Title		
MACH THU THAP DU LIEU - Mach nguồn + Dien ap chuan		
Size	Number	Revision
A		3
Date:	14/01/2021	Sheet 7 of 8
File:	D:\Microcontroller project\...Sheet7_Mach nguon + Dien ap chuan.docx	



Title		
MACH THU THAP DU LIEU - Connector		
Size	Number	Revision
A		3
Date:	14/01/2021	Sheet 8 of 8
File:	D:\Microcontroller project\...\Sheet8_Connectors.SchDoc Tran Quoc Tien Dung	

