

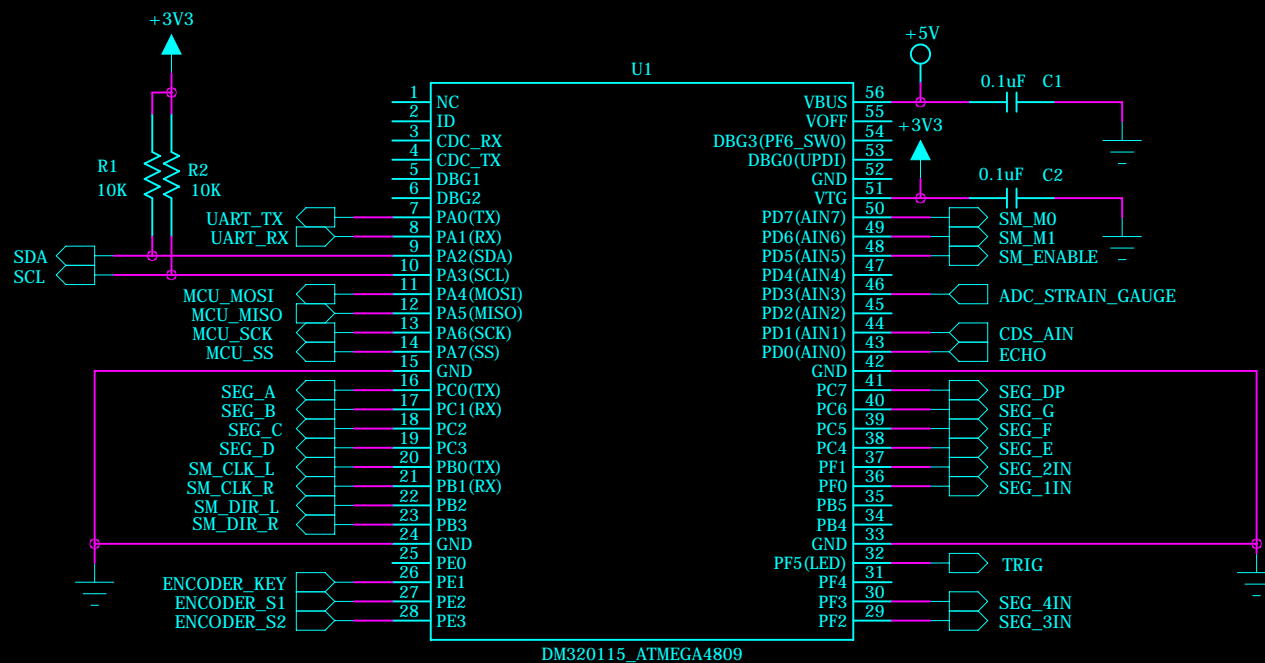
ATmega4809 Development Board

Schematics 2022.08

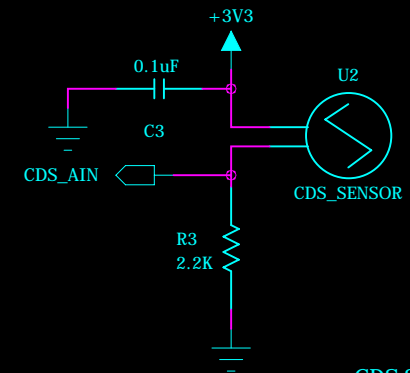
Schematics Description

SHEET Number	SHEET Description
SHEET 01	MCU / TEMP & CDS SENSOR / STRAIN_GAUGE
SHEET 02	UART / SEGMENT
SHEET 03	CLOCK / EEPROM / ULTRASONIC / ROTARY ENCODER
SHEET 04	IO EXPANDER SPI / CLCD / KEYPAD

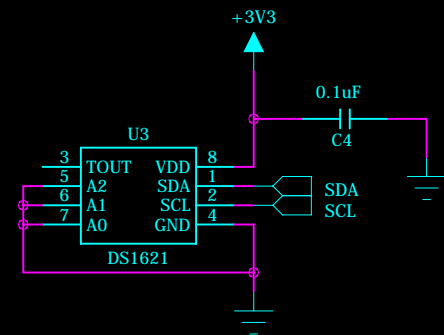
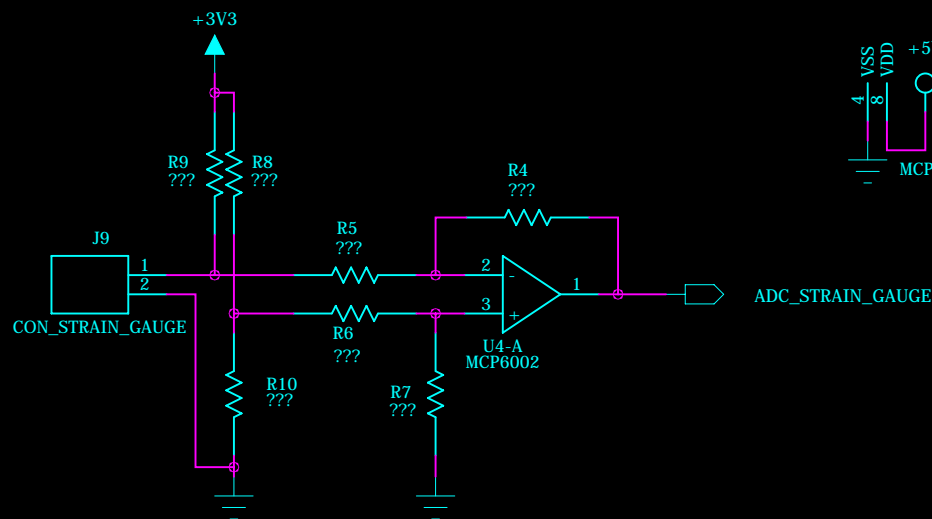
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SUB TITLE : Main Board		MCSL Biomedical Engineering	
DRAWN	DESIGN	SIZE A4	Rev 1.3
Se Hun. Oh	Se Hun. Oh	SHEET	0 OF 4
CHECKED	APPROVED	Date	2022.8 TERM



MCU(ATmega4809)

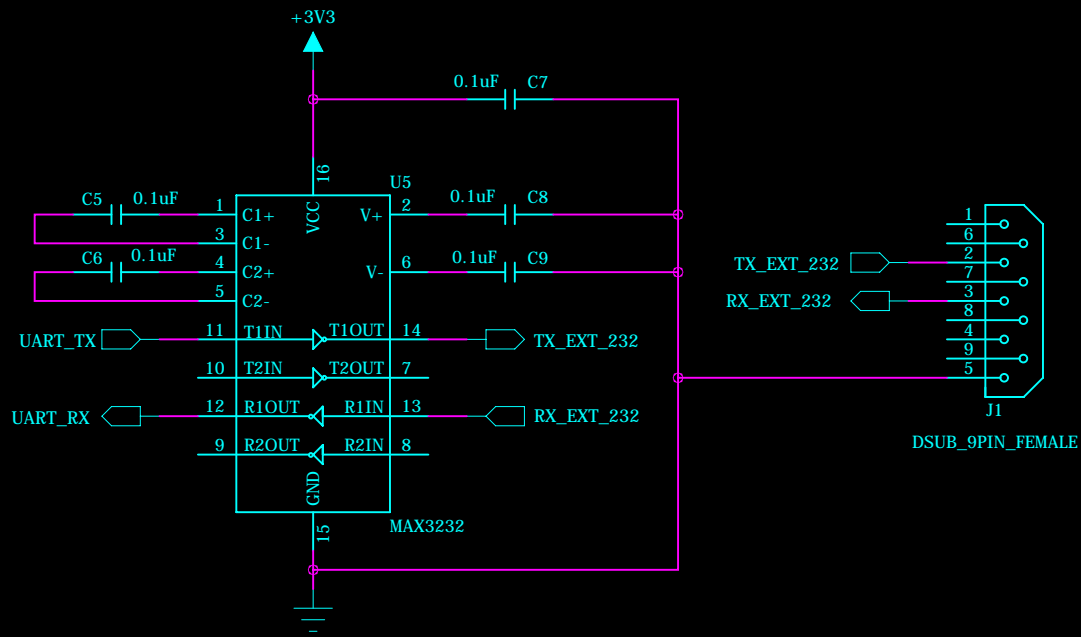


CDS Sensor

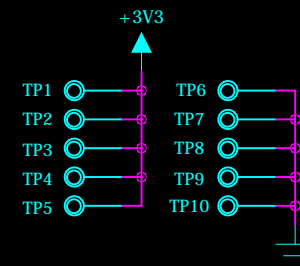


Digital Temperature Sensor

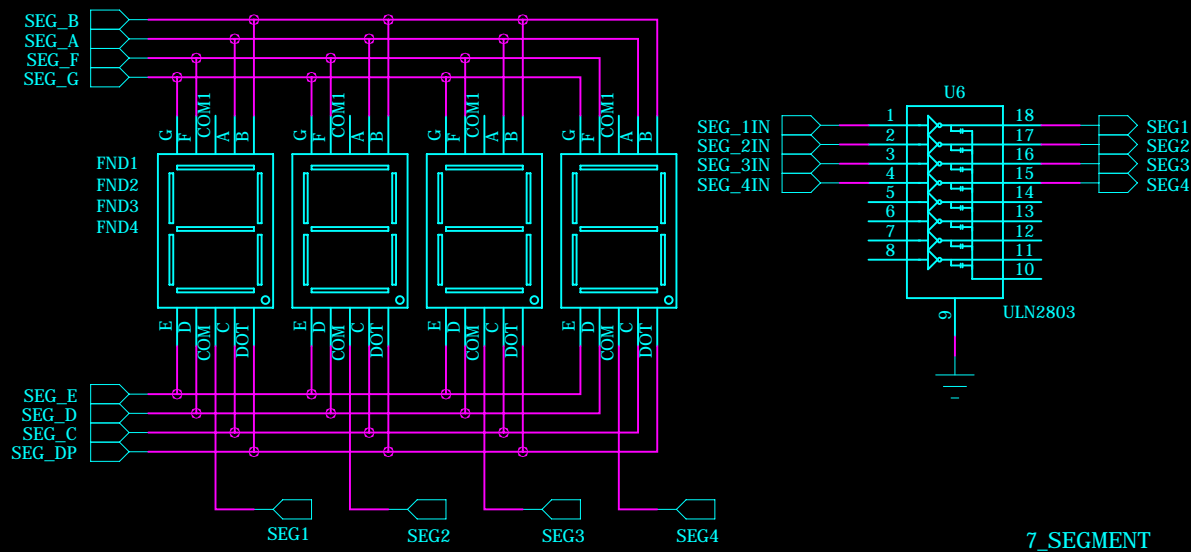
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SUB TITLE : MCU/SENS...		MCSL Biomedical Engineering	
DRAWN	DESIGN	SIZE A4	Rev 1.3
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CHECKED	APPROVED	Date	2022.8 TERM



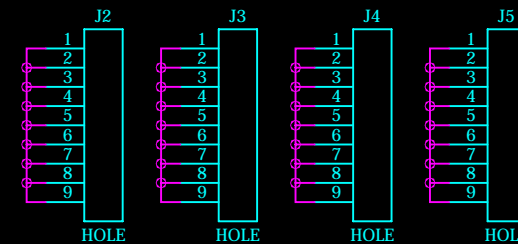
UART Driver & Connector



TEST POINT

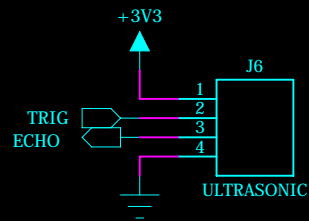


7_SEGMENT

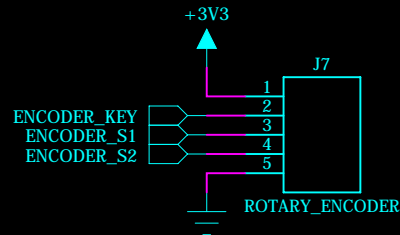


HOLE

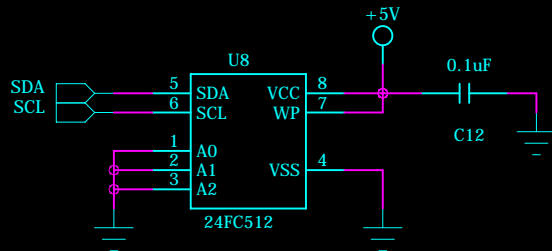
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SUB TITLE : UART / SEG ...		MCSL Biomedical Engineering	
DRAWN	DESIGN	SIZE A4	Rev 1.3
Se Hun. Oh	Se Hun. Oh	SHEET	2 OF 4
CHECKED	APPROVED	Date	2022.8 TERM



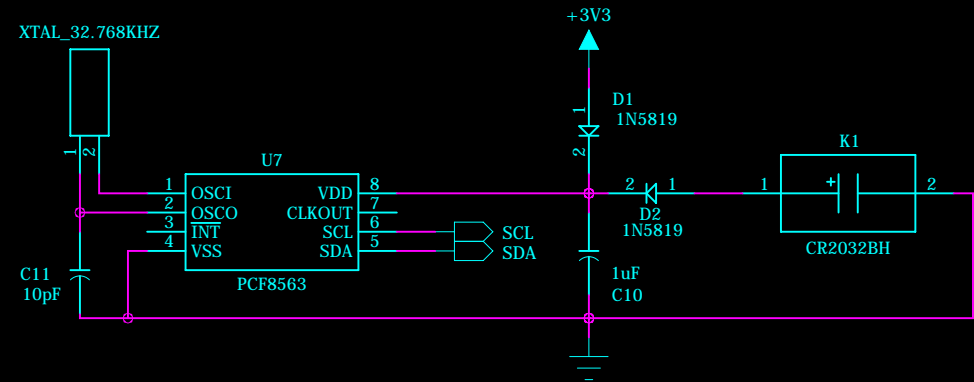
Ultrasonic



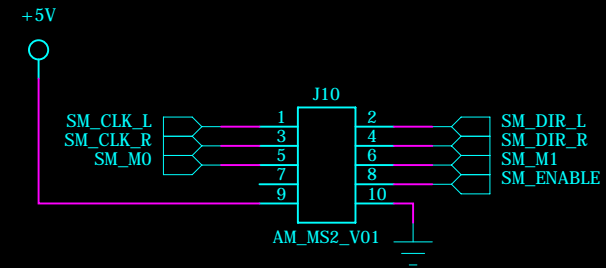
Rotary Encoder



EEPROM I2C

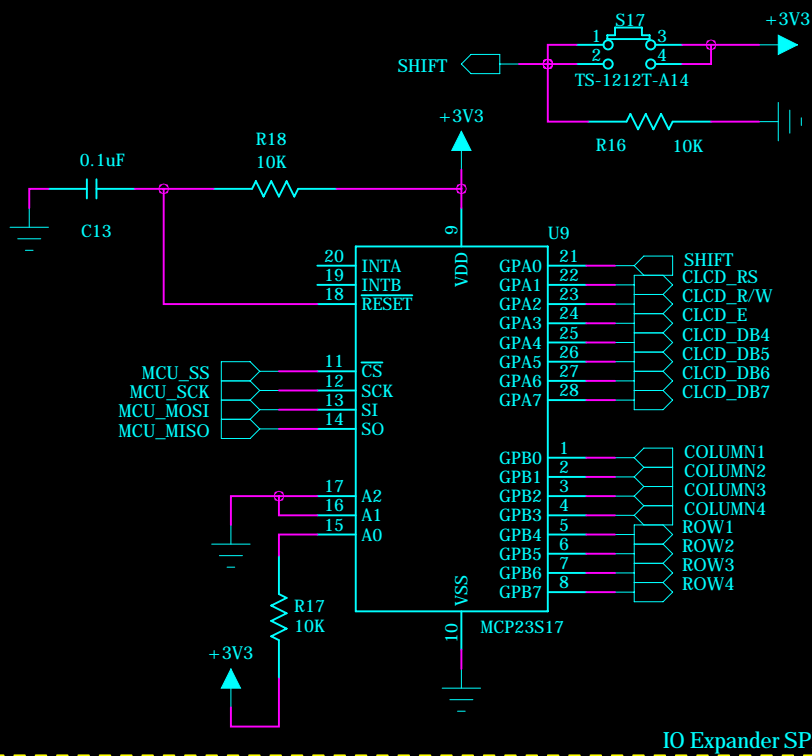
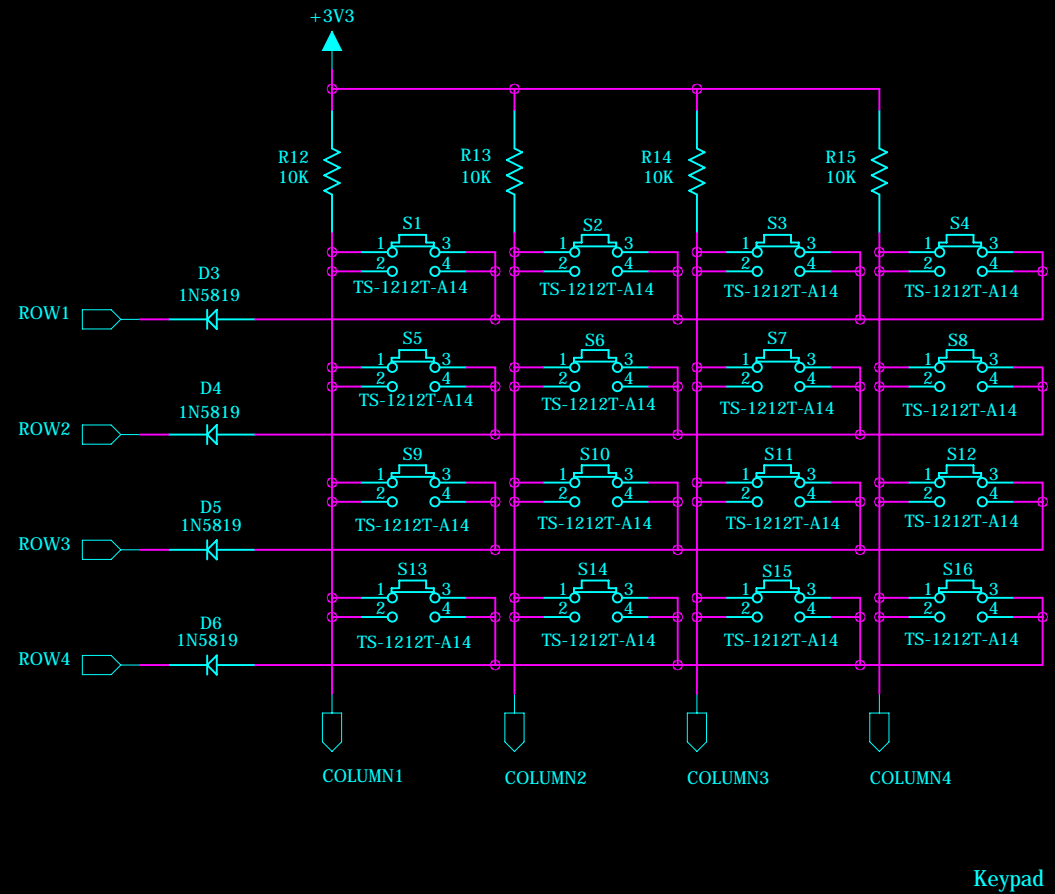
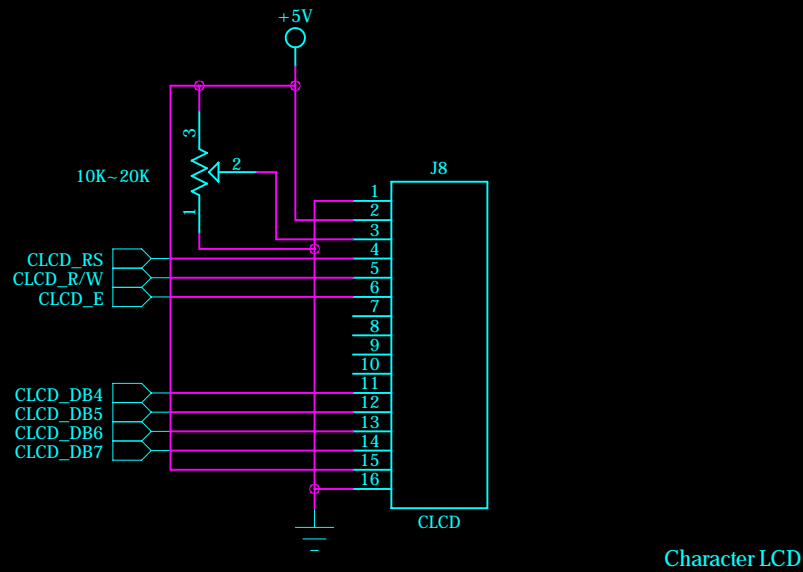


CLOCK IC



Stepper Motor Driver

TITLE :	ATmega4809	Yonsei University.	
SUB TITLE :	CLOCK / EEP ...	MCSL Biomedical Engineering	
DRAWN	DESIGN	SIZE A4	Rev 1.3
Se Hun. Oh	Se Hun. Oh	SHEET	3 OF 4
CHECKED	APPROVED	Date	2022.8 TERM



TITLE : ATmega4809		Yonsei University.	
SUB TITLE : IO EXPEND ...		MCSL Biomedical Engineering	
DRAWN	DESIGN	SIZE A4	Rev 1.3
Se Hun. Oh	Se Hun. Oh	SHEET	4 OF 4
CHECKED	APPROVED	Date	2022.8 TERM