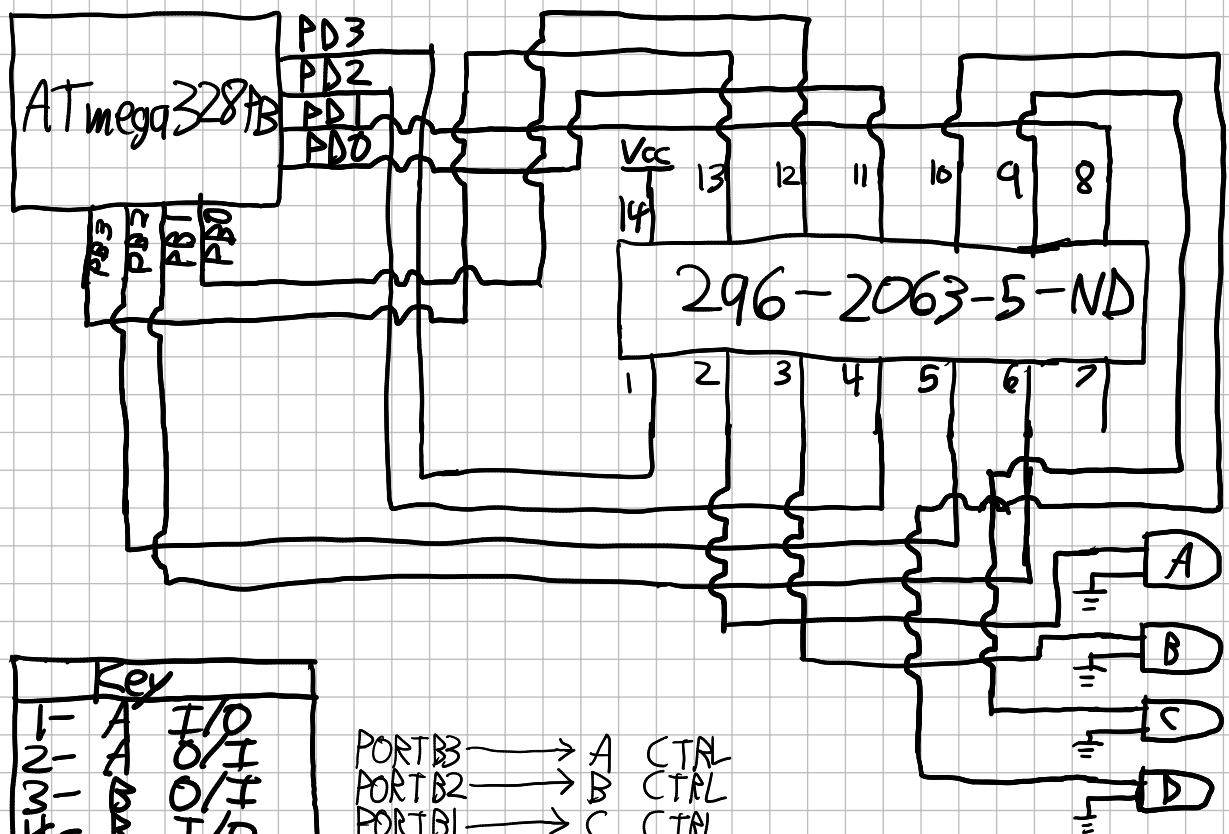


# Senior Project Possible Test Plan

## Quad Bilateral Switches:



Pin	Key	Function
1	A	I/O
2	A	O/I
3	A	O/I
4	A	I/O
5	B	CTRL
6	C	CTRL
7	V <sub>SS</sub>	
8	C	I/O
9	C	O/I
10	D	O/I
11	D	I/O
12	D	CTRL
13	A	CTRL
14	V <sub>DD</sub>	

PORTB3 → A CTRL  
 PORTB2 → B CTRL  
 PORTB1 → C CTRL  
 PORTB0 → D CTRL  
 PORTD3 → A I/O  
 PORTD2 → B I/O  
 PORTD1 → C I/O  
 PORTD0 → D I/O

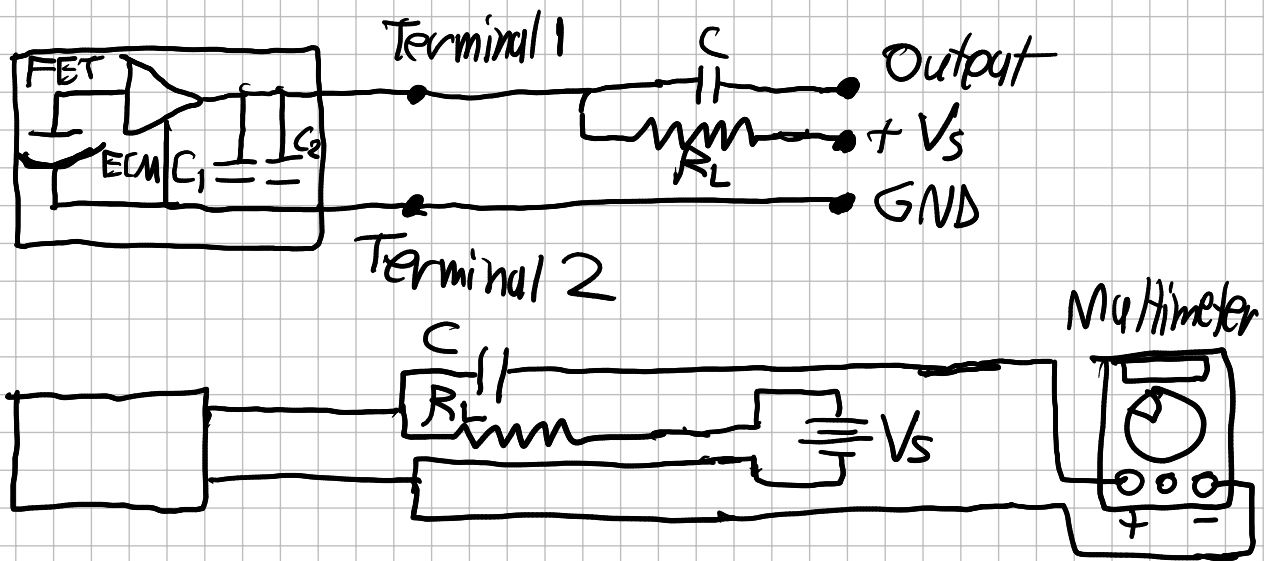
### Test Plans:

#### Power Source Setups:

- V<sub>CC</sub> → V<sub>DD</sub>  
 - Fixed 3.7V → V<sub>DD</sub>  
 - Fixed 3.3V → V<sub>DD</sub>

# of Parts: 10

# Analog 1V-10V -47±3dB Microphone



$$C_1 = 10 \text{ pF} \quad C_2 = 33 \text{ pF} \quad R_L = 2.2 \text{ k}\Omega$$
$$C = ???$$

11/14/19