

Electronics circuit (1)
Under the supervision of
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AUDIO AMPLIFIER PROJECT

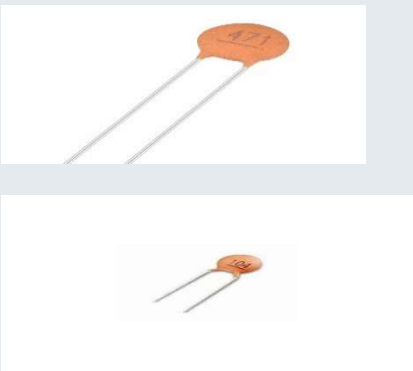





PROJECT SUMMARY

REPORT DATE	PROJECT NAME	PREPARED BY
22/3/2023	AUDIO AMPLIFIER	Hazem Abuelenin Mohamed Lujain Ahmed Youssef Mohamed Ahmed Mohamed Nour Hesham El-Sayed Raneem Ahmed Refaat

STATUS SUMMARY

The project aims to construct an audio amplifier that takes a small signal and amplify it
The electric circuit consists of an IC-LM386-N1 followed by rsistors , smoothing capacitors and a battery

COMPONENT	ITS VALUE	
1-IC-LM386-N1		
2- Electrolyte Capacitors	- 1000 micro farad and 35 volts - 100 micro farad and 50 volts - 10 micro farad and 50 volts	

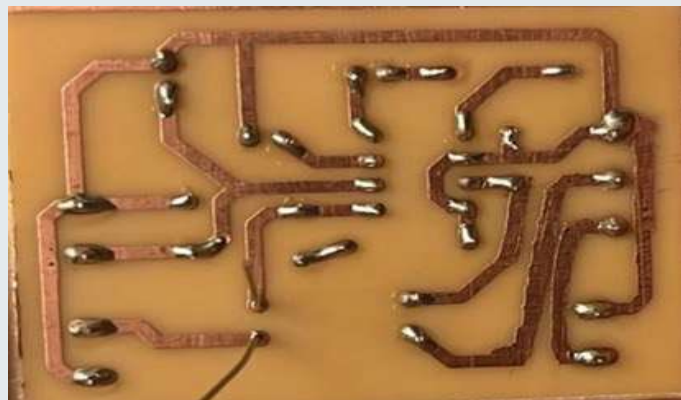
3- Ceramic capacitors	<ul style="list-style-type: none"> - 470 Pico farad - 0.1 micro farad 	
4- Potentiometer:	10k ohm	
5- Resistors	<ul style="list-style-type: none"> - 10 ohms - 1.2k ohms 	
6- Battery	9v	
7- AUX	3.5 mm	
8- Switch: on/off rocker switch		

9- Speaker	3 watt & 8 ohm	
10- Connectors (2 & 3 pins)		 
11- Wires		
12- Solder Wire		
13- Soldering Iron		
14- Solder Wax		

**15- PCB etching
solution**



16- PCB Board:



CONCLUSION

All the above components have been used in manufacturing of the Audio Amplifier with the same values.