



كلية الهندسة بشبرا

FACULTY OF ENGINEERING AT SHOUBRA

Communications & Computer science
Shoubra faculty of engineering
Benha university

Power supply

By

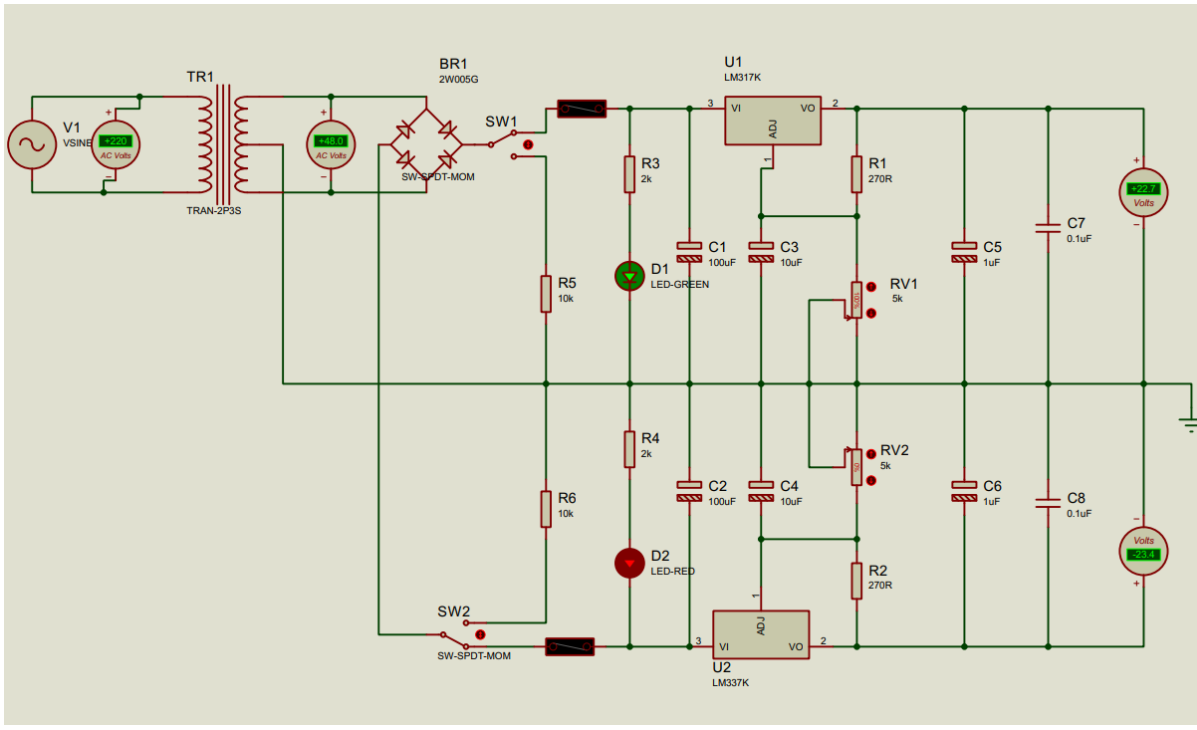
Group 7

Supervised by

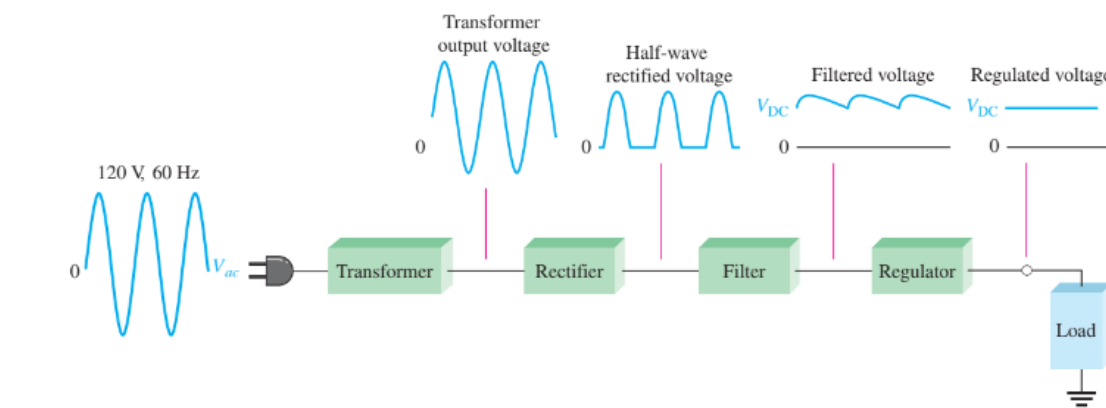
Dr. Emad

2023-2024

Schematic:



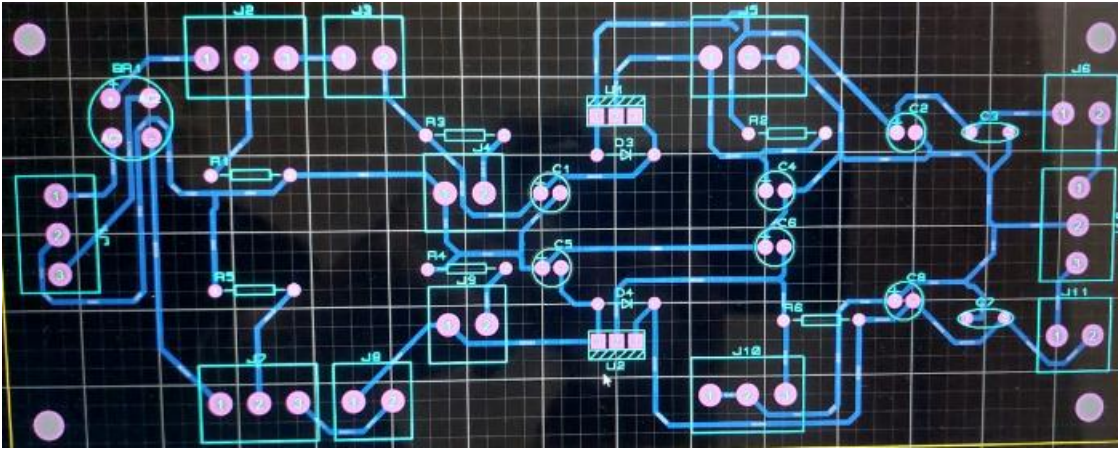
Project Mechanism:



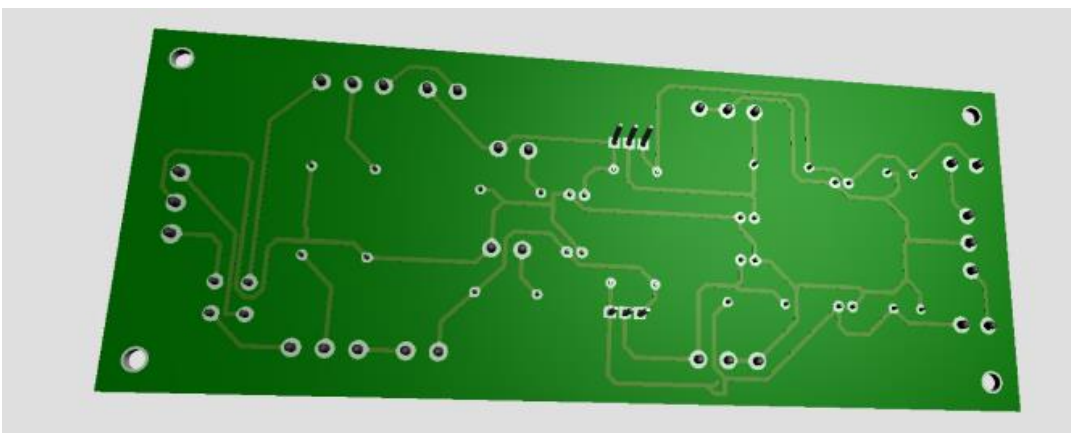
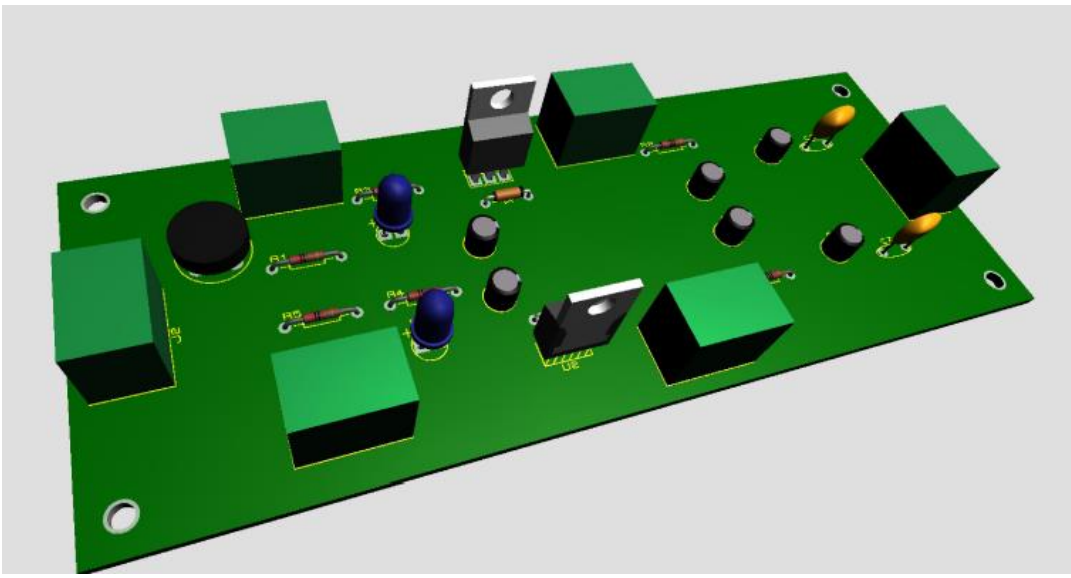
Data Sheet:

Symbol	Value
TR1	220V to 24/-24
BR1	Bridge
SW1, SW2	Switch
R1, R2	270 ohm
R3, R4	2k-ohm
R5, R6	10k-ohm
D1, D2	Diode
C1, C2	100 uF
C3, C4	10 uF
C5, C6	1 uF
C7, C8	0.1 uF
U1	LM317K
U2	LM337K
RV1, RV2	5k-ohm

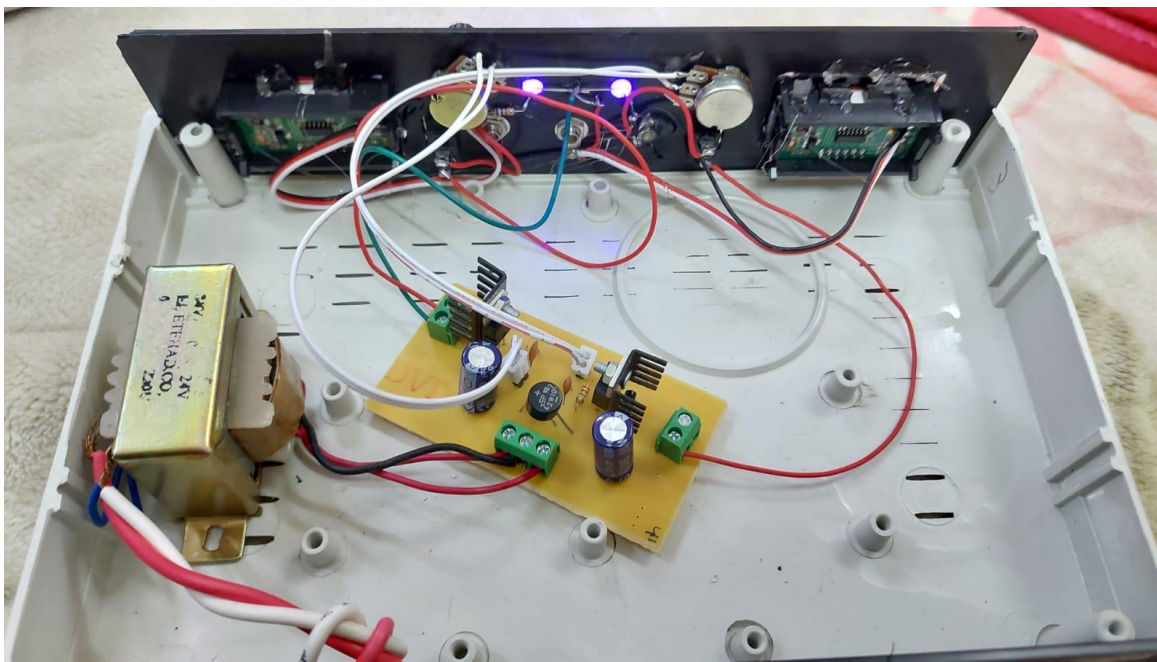
Layout:



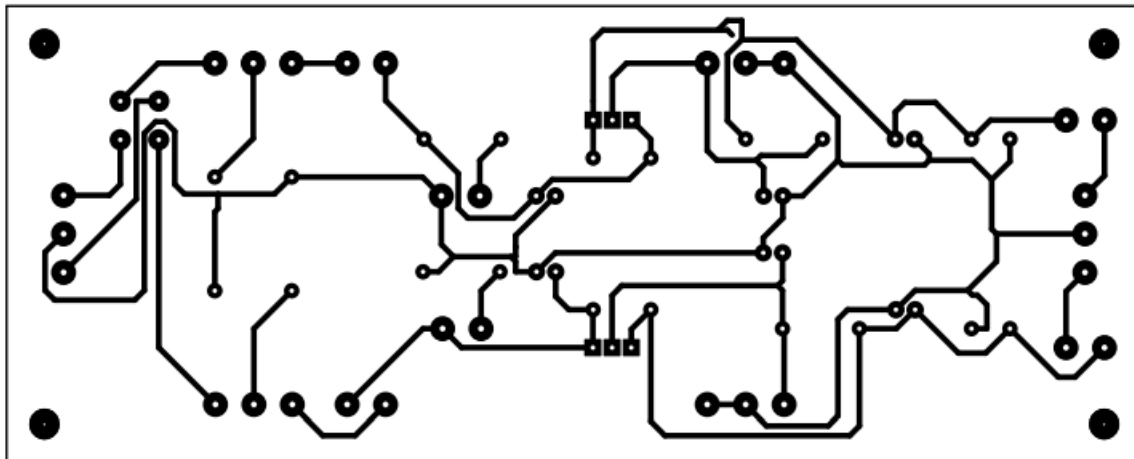
3D:



Test:



Tracks:



This project made by:

رقم التسلسل	الاسم
26	زياد بلال جمال الدين الصياد
27	زياد محمد عبدالفتاح فهميم
37	على محمد على شريف
40	كريم إيهاب محمد عطيه
41	كيرلس هاني سلامه عبدة