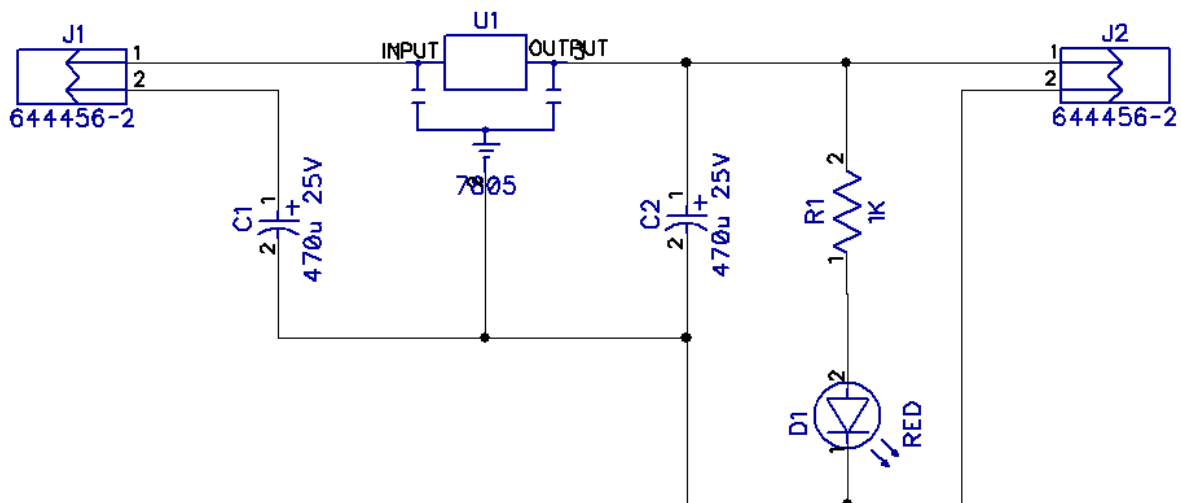


DESD - PCB Designing

DAY 1

1. Introduction
2. Explain importance of specifications in PCB Designing
3. Explain difference between PCB Designing & Product Designing
4. **Assignment** - Design Single Side PCB For 7805 DC Power Supply
 - a. Refer below schematic, bill of material table and additional details
 - b. Objective - Explain the professional step by step method to design PCB, may it be a small or complex PCB
 - c. Final Outcome - Single Side PCB
 - d. PCB Size : 60mm x 60mm
 - e. Mounting Holes at four corner : Hole Size 3.2mm, Ring Size 5mm, Location 4mm inside from edges.

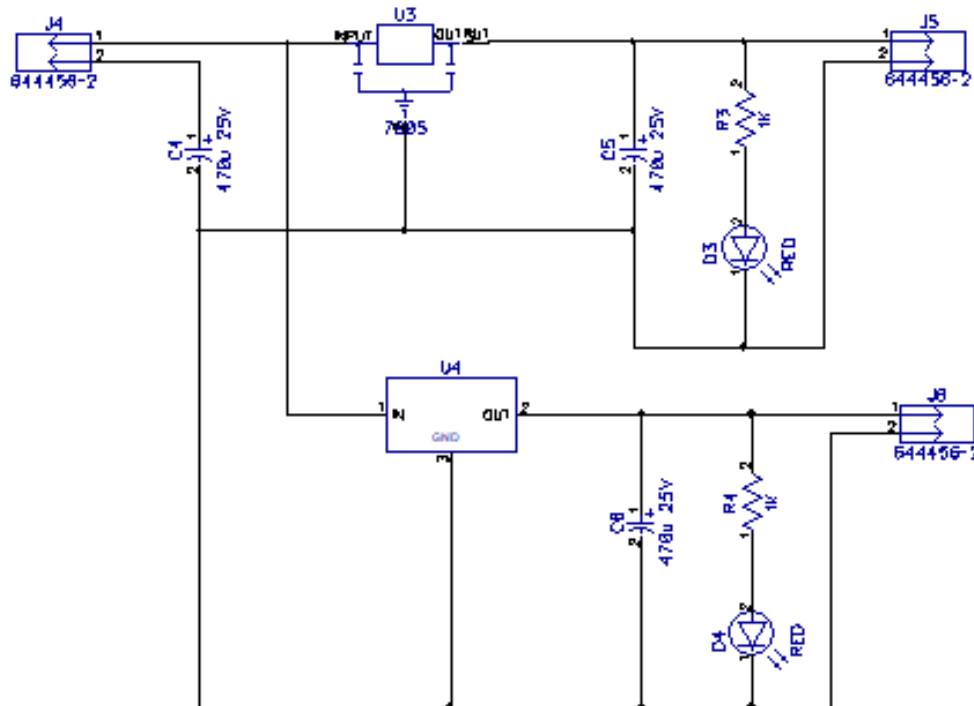


Bill of Material

RefDes	Value	Name
C1	470u 25V	CAP200RP
C2	470u 25V	CAP200RP
D1	RED	LED
J1	644456-2	644456-2
J2	644456-2	644456-2
R1	1K	RES
U1	7805	7805

DESD - PCB Designing

5. Assignment - Dual Power Supply - Single Side PCB
 - a. Refer below schematic, bill of material table and additional details
 - b. Final Outcome - Single Side PCB
 - c. PCB Size : 80mm x 60mm
 - d. Mounting Holes at four corner : Hole Size 3.2mm, Ring Size 5mm, Location 4mm inside from edges.



RefDes	Value	Name
C4	470u 25V	CAP200RP
C5	470u 25V	CAP200RP
C6	470u 25V	CAP200RP
D3	RED	LED
D4	RED	LED
J4	644456-2	644456-2
J5	644456-2	644456-2
J6	644456-2	644456-2
R3	1K	RES
R4	1K	RES
U3	7805	7805
U4	L7809ACV	L7809ACV