

Package Designed using Eagle software

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AIM: To make a simple electronic package which consists of three modules that are as follows:

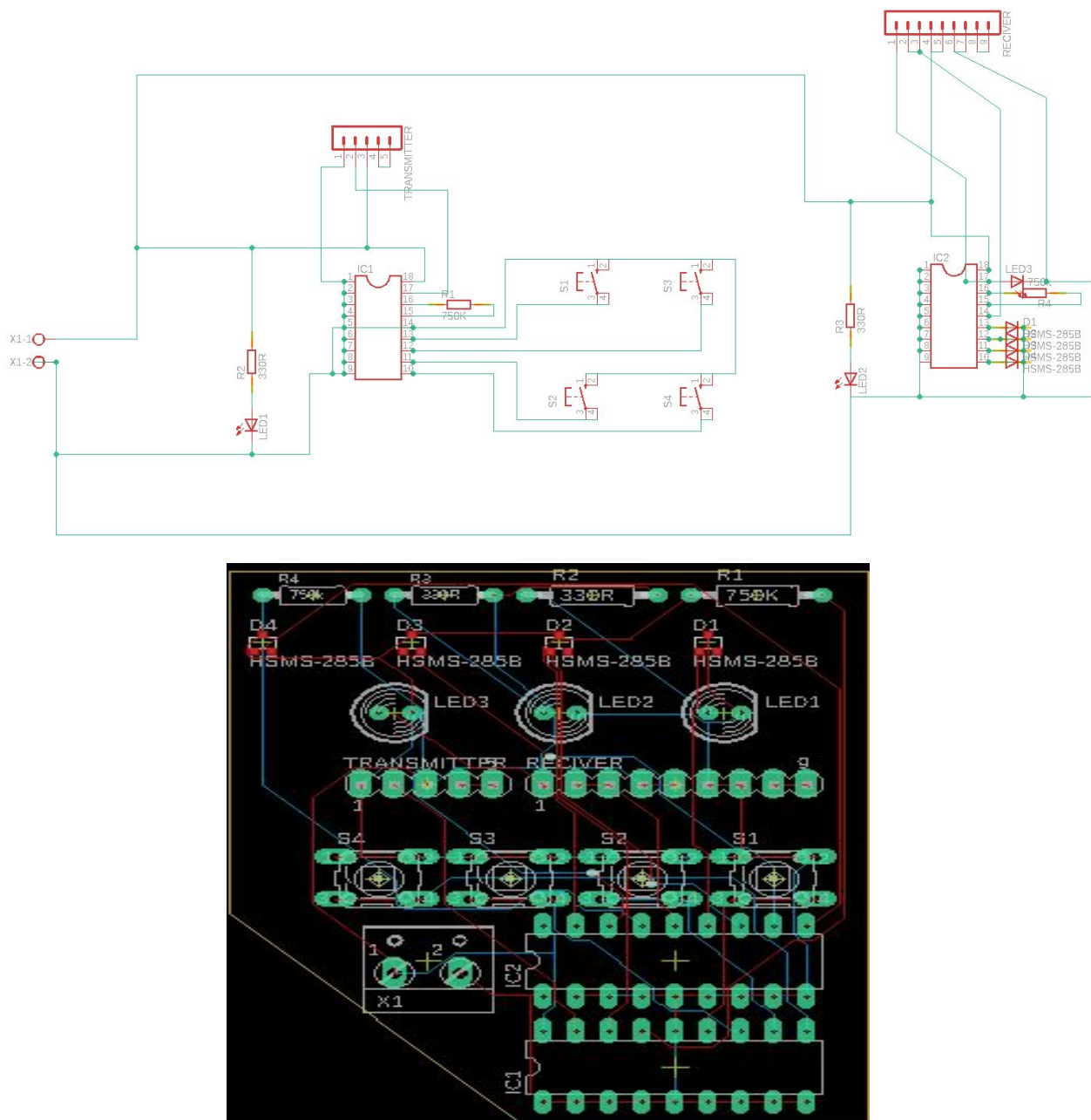
- 1) RF Module(Transmitter and Receiver together)
- 2) A Timer
- 3) A 5 V 100 mA Voltage Regulator

Introduction:

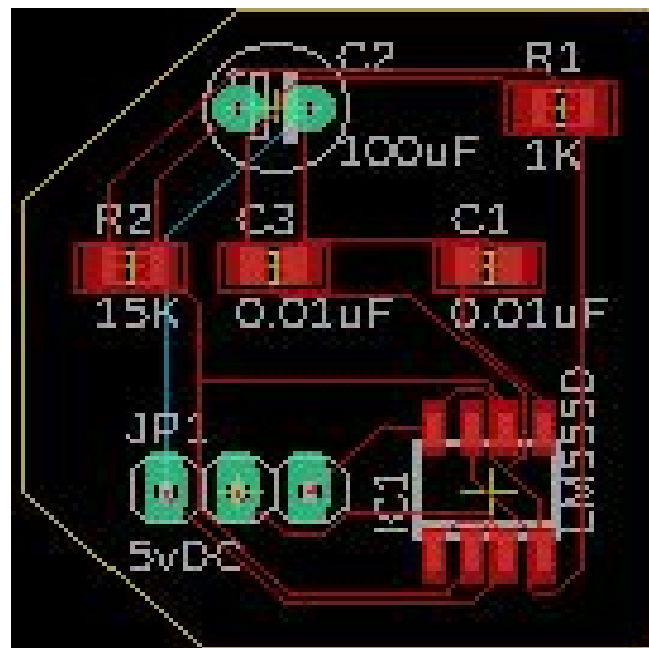
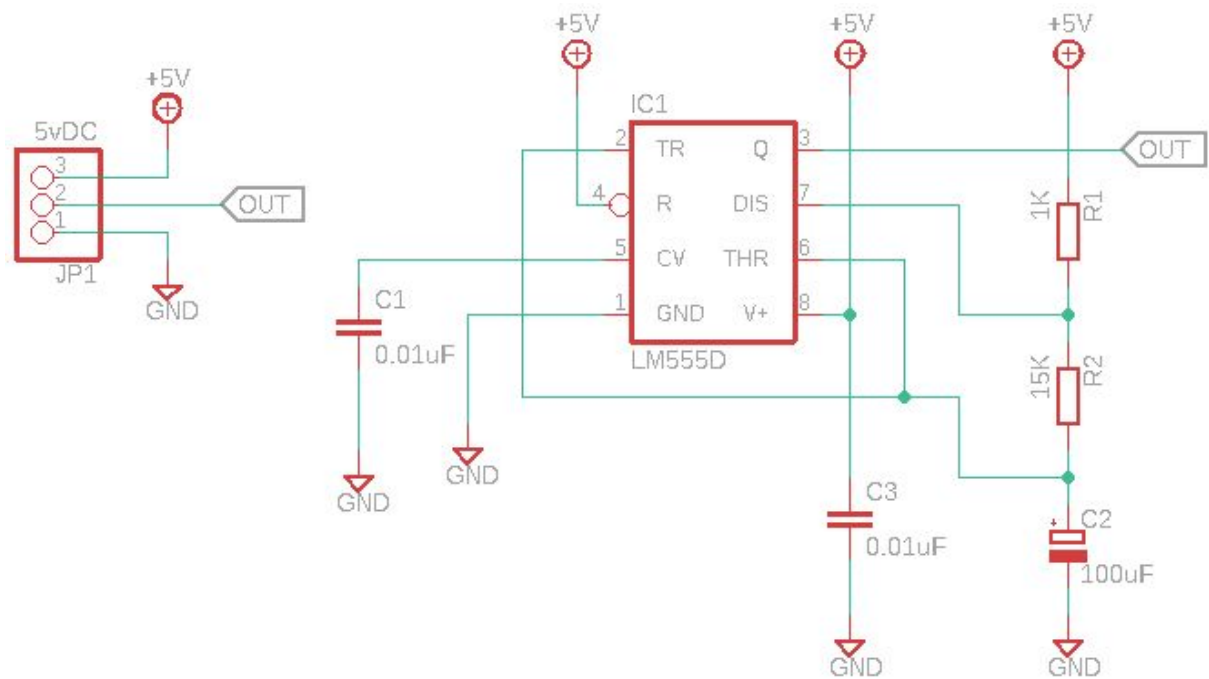
- In this project we are trying to understand the Eagle software and implementing the above modules. In the final output our main aim was to see a timer, voltage regulator and a RF module in a single PCB board.
 - Because of limitations on board size in the free version of Eagle software we integrated only timer and RF module only.
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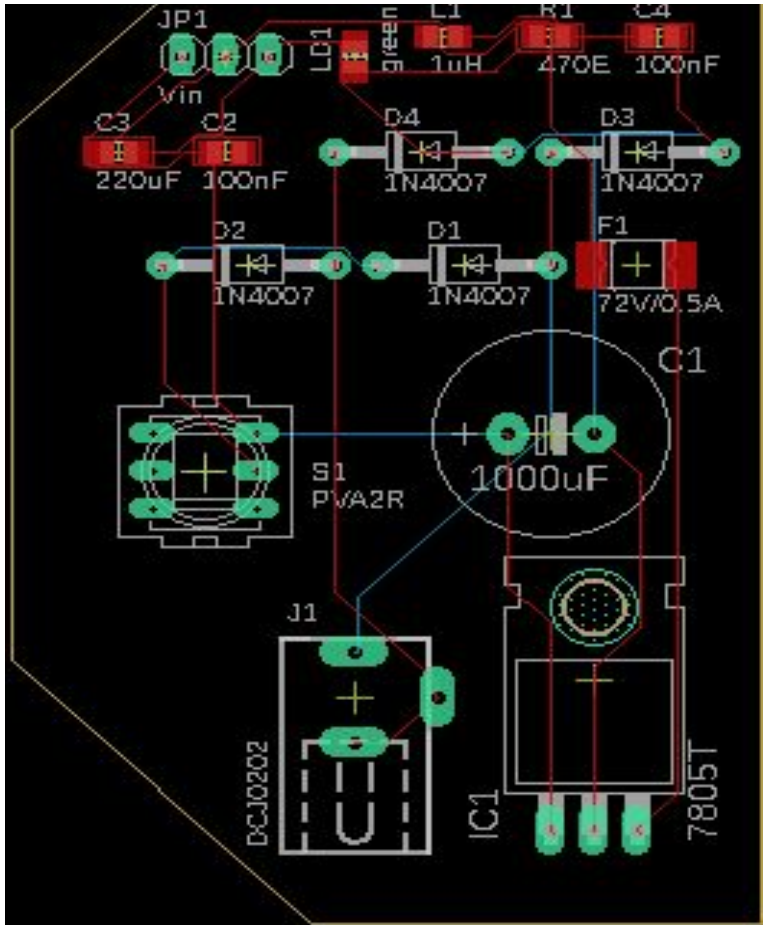
While making the board designs we used both the layers (top and bottom) to make the interconnects.

1) RF Module Schematic:

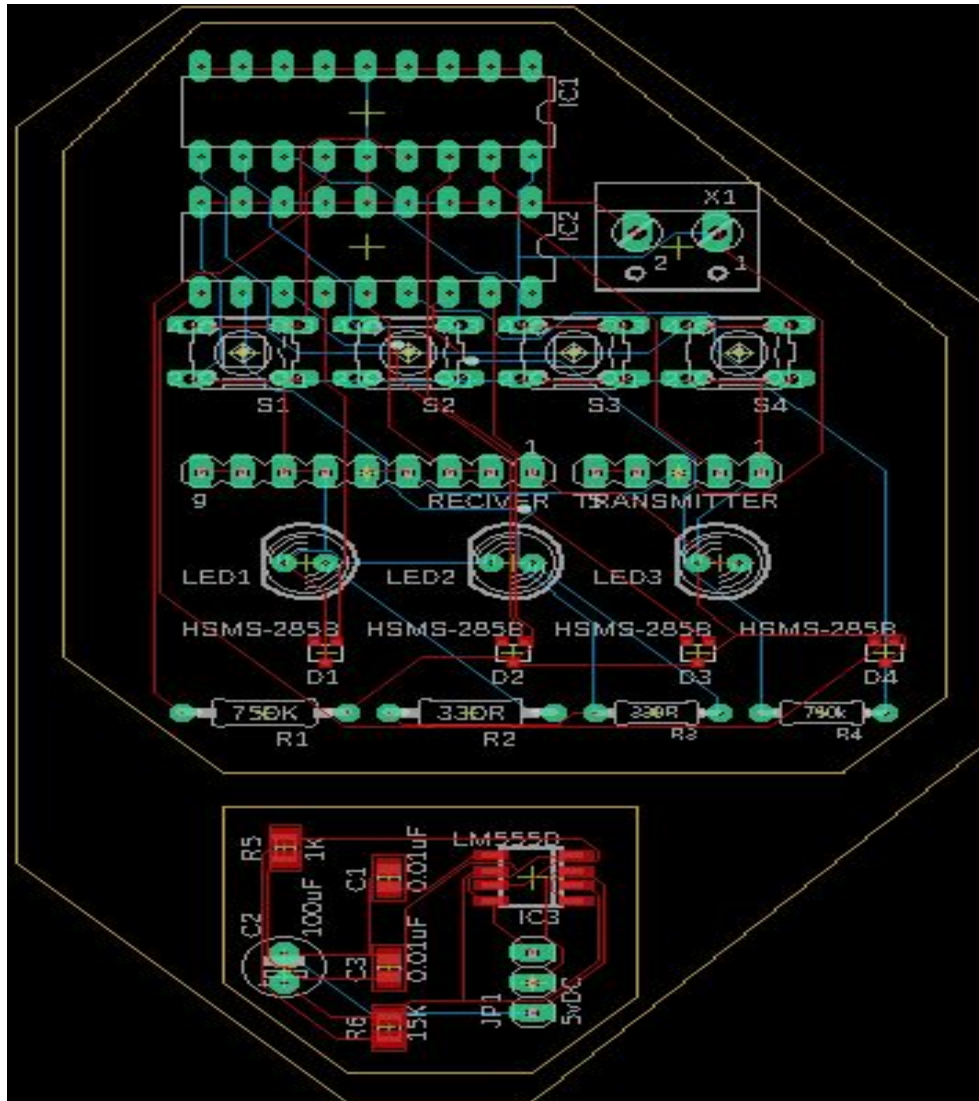


2) Timer Schematic:





Final Optimized Printed Circuit Board having two modules i.e RF Module and Timer Module:



References:

https://youtu.be/-ohxmu_gz-A