# Points to NOTE while making PCB on Eagle.

1. Always start by drawing a polygon and making it a ground plain.

2. There should not be any sharp turn (i.e 90 degree) in traces. If three wires join at a junction the angle between them should be maintained at 90,135,135 degrees respectively.

3. Always avoid running traces bellow the IC.

4. Use 2 layers while making PCB.

5. Two traces should not come out of a same pin instead take out one trace from a pin and then make a junction.

6. Arrange capacitors near the IC.  
Reason: IC is an sensitive component , having a capacitor near it helps to maintain stable supply to the IC and it also helps during fluctuations.

7. If the ground isn’t working properly use vias (don’t forget to name the vias as GND).

8. Avoid forming loops as much as possible as current in circular coil can create magnetic field which may damage few components.

9.Try to make the board as compact as possible.

10. Inductor should be placed away from IC as it’s magnetic field can damage the IC.

11. Try to keep the IC in middle.

12.Try to minimize the trace length.

13.If three pins are to be connected try to make the following arrangement.

