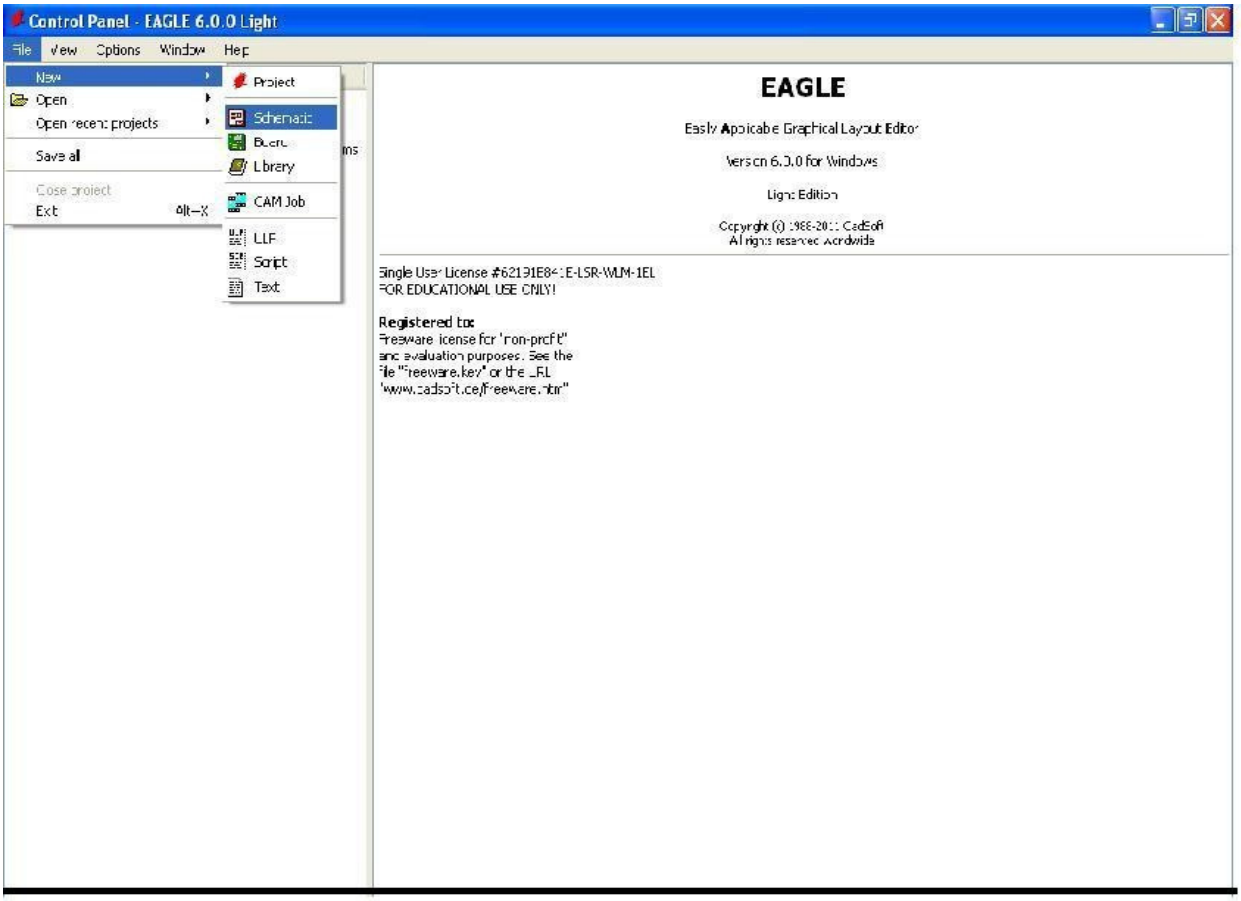
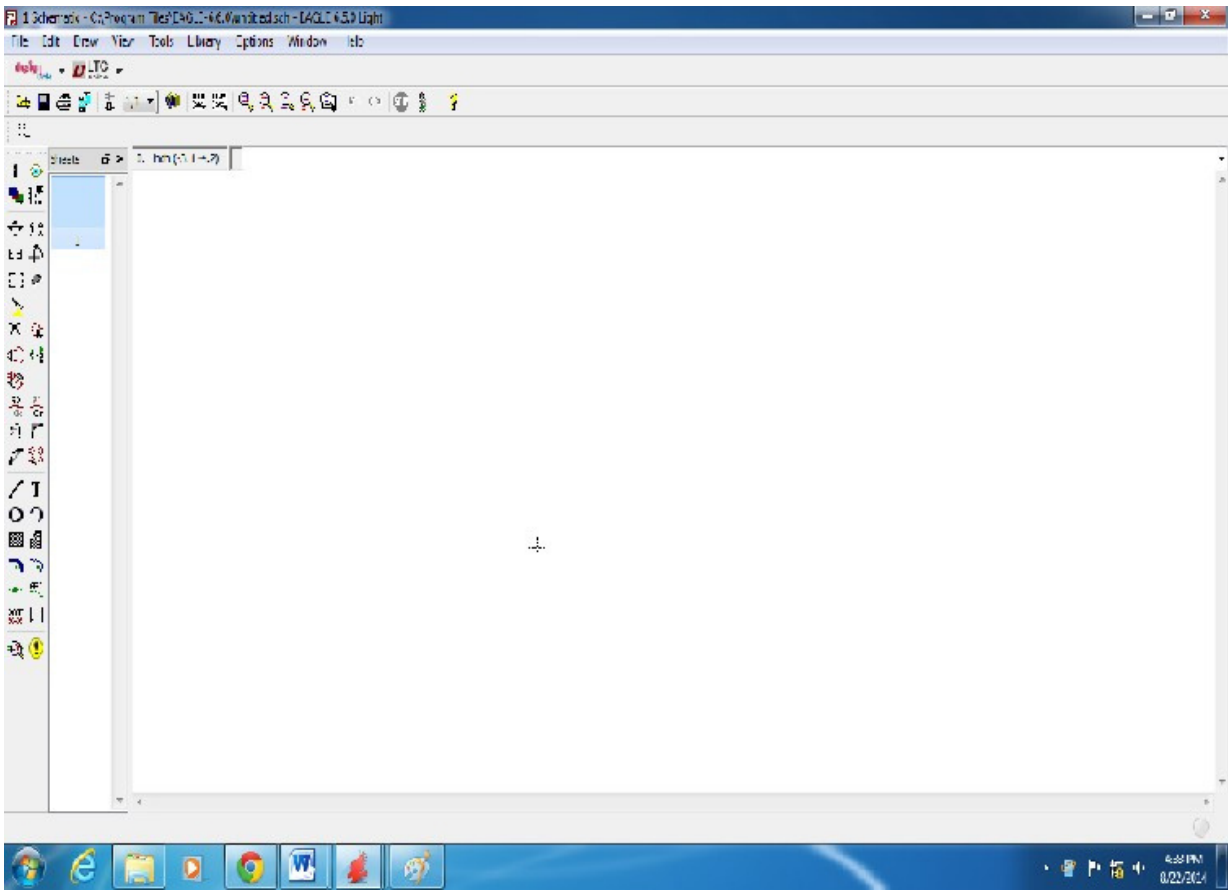
Step to Start Eagle Software

File > New > Schematic

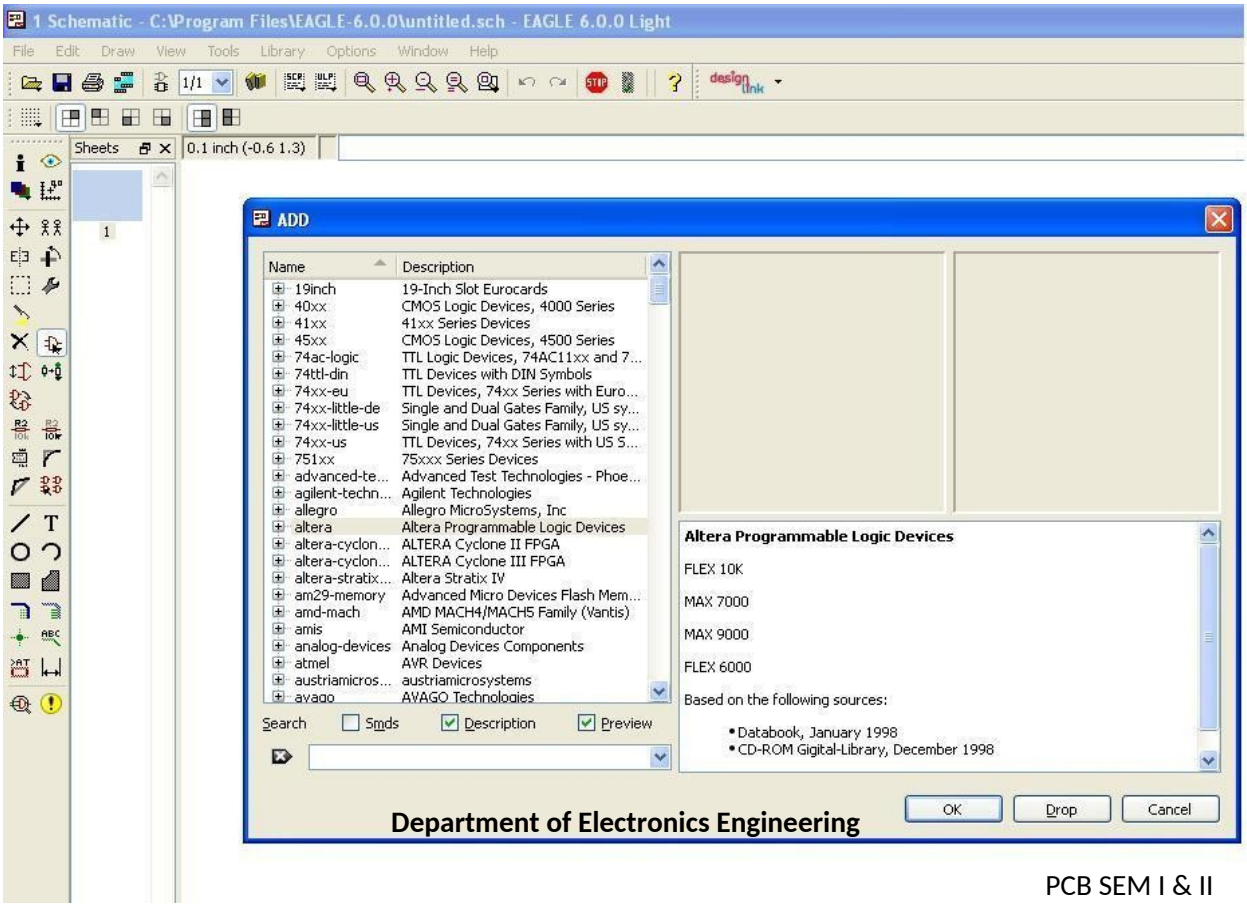


Schematic View



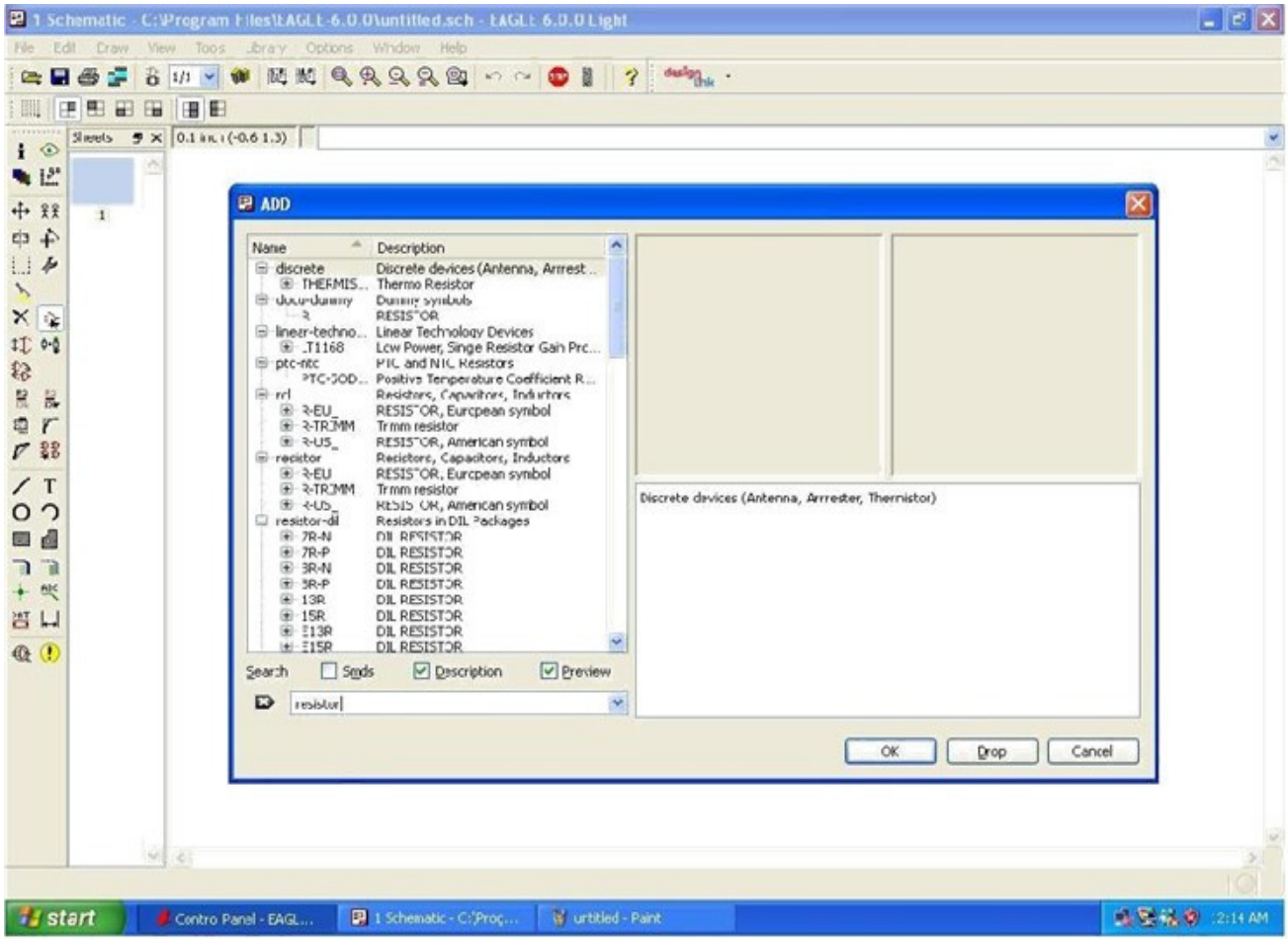
Step to Add Component

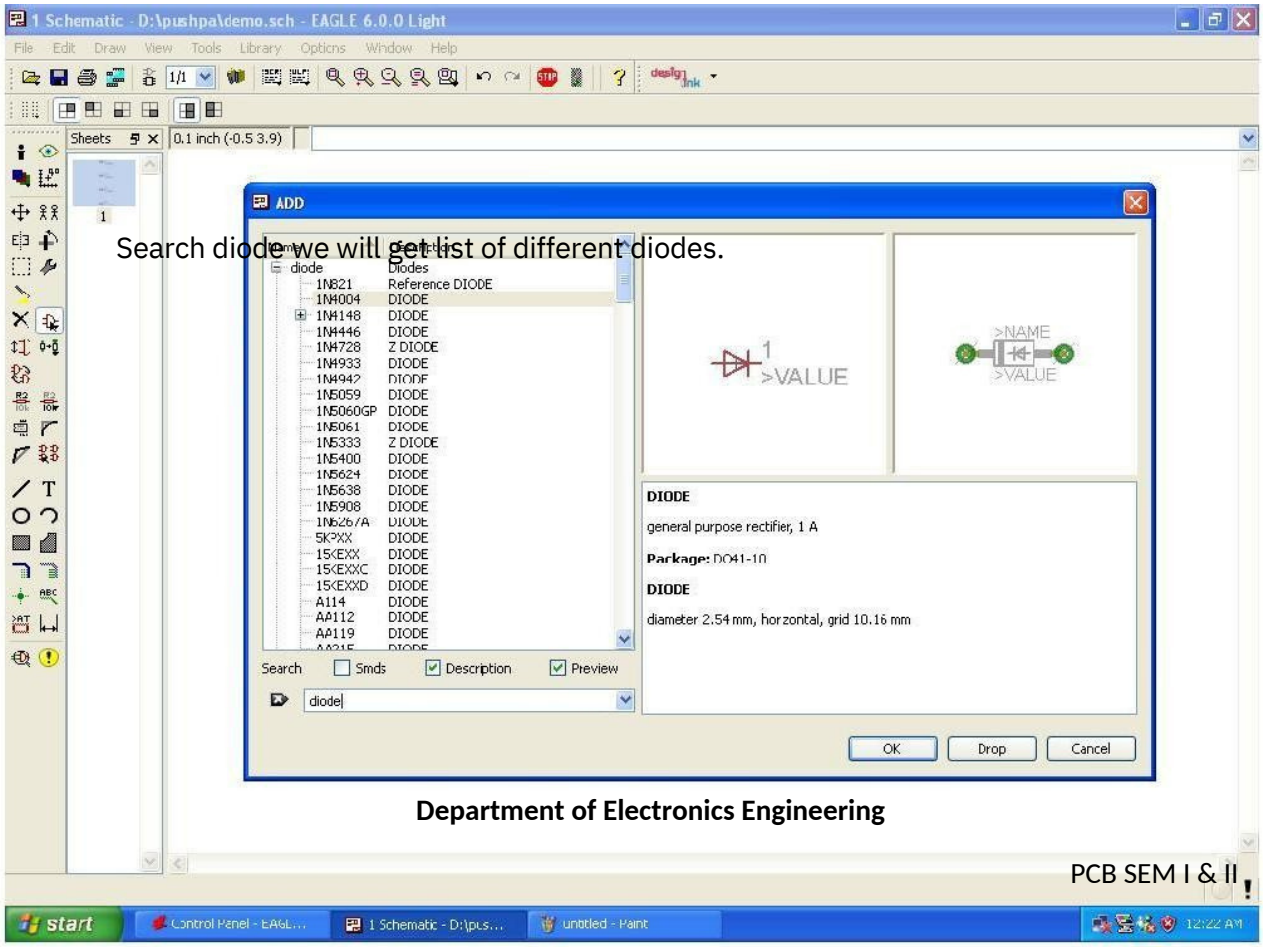
Click Addicon



Step to Search Specific Component from list

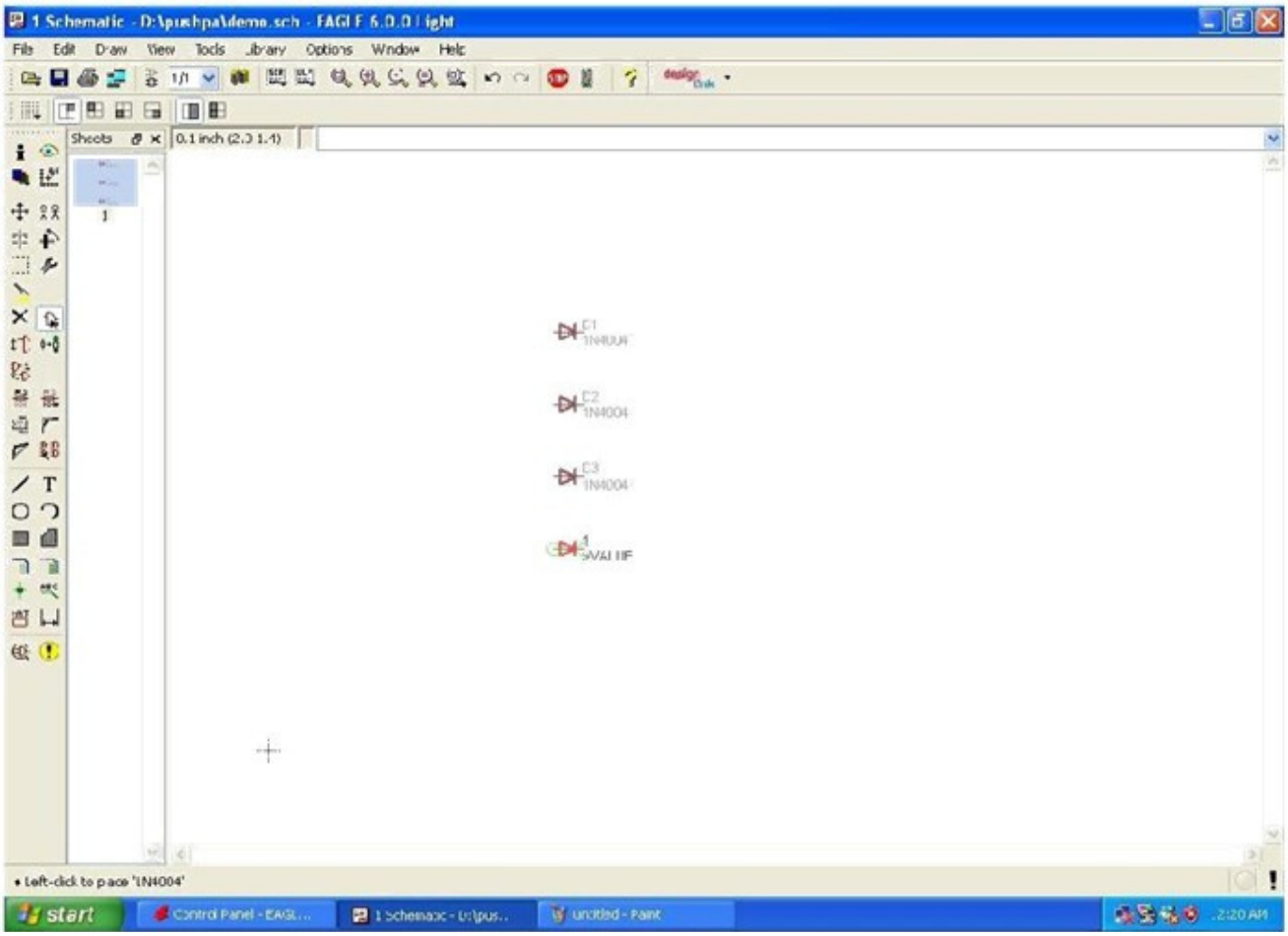
Type diode or Resistor or Capacitor etc in Search box

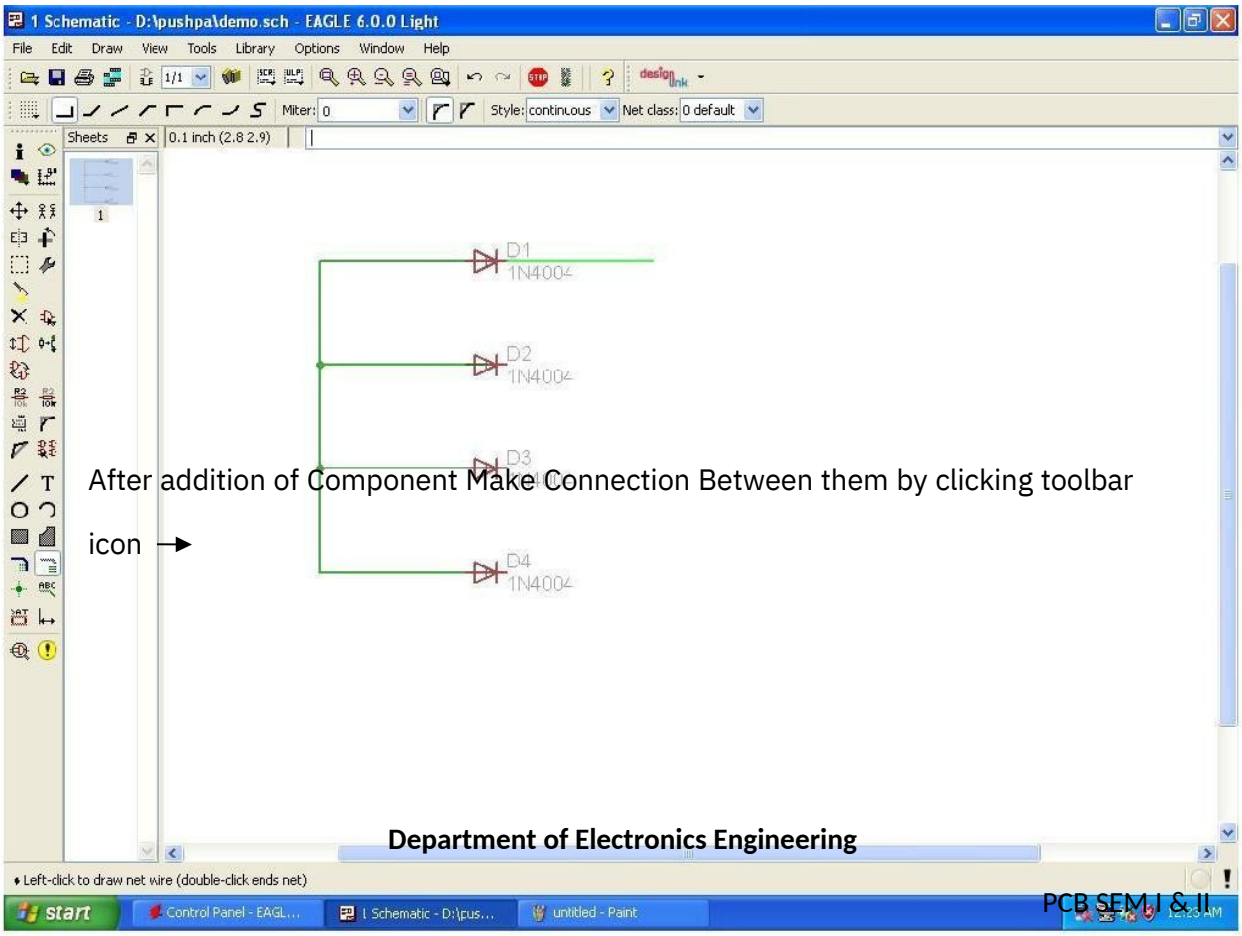

ADD
Name
Description
discrete
Discrete devices (Antenna, Arrrest...
Thermo Resistor
Linear Technology Devices
Low Power, Singe Resistor Gain Prc...
PTC and NTC Resistors
Positive Temperature Coefficient R...
Resistors, Capacitors, Inductors
RESISTOR, Eurcpean symbol
Trmm resistor
RESISTOR, American symbol
resistor
Resistors, Capacitors, Inductors
RESISTOR, Eurcpean symbol
Trmm resistor
RESISTOR, American symbol
resistor-dil
Resistors in DIL Packages
DIL RESISTOR
Discrete devices (Antenna, Arrrester, Thermistor)
Search
Smds
Description
Preview
OK
Drop
Cancel
start



Search diode we will get list of different diodes.

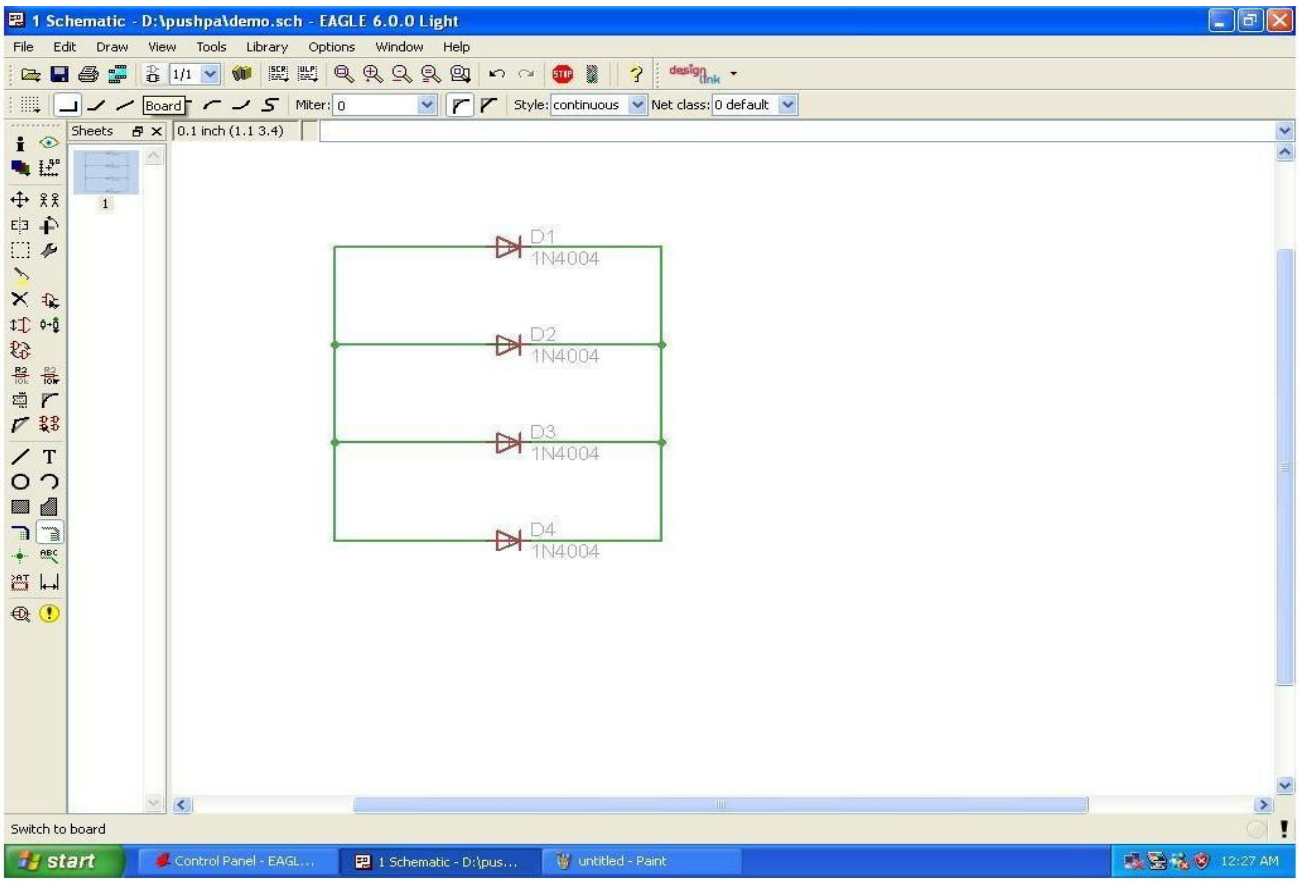
Add diode of Particular type by pressing Ok show in above diagram.


1 Schematic - D:\pushpa\demo.sch - EAGLE 6.0.0 Light
File Edit Draw View Tools Library Options Window Help
Sheets
0.1 inch (2.0 1.1)
C1
1N4004
C2
1N4004
C3
1N4004
1
5VALUE
• Left-click to place 'IN4004'
start
Control Panel - EAGL...
1 Schemaac - D:\pus...
untitled - Paint
2:20 AM



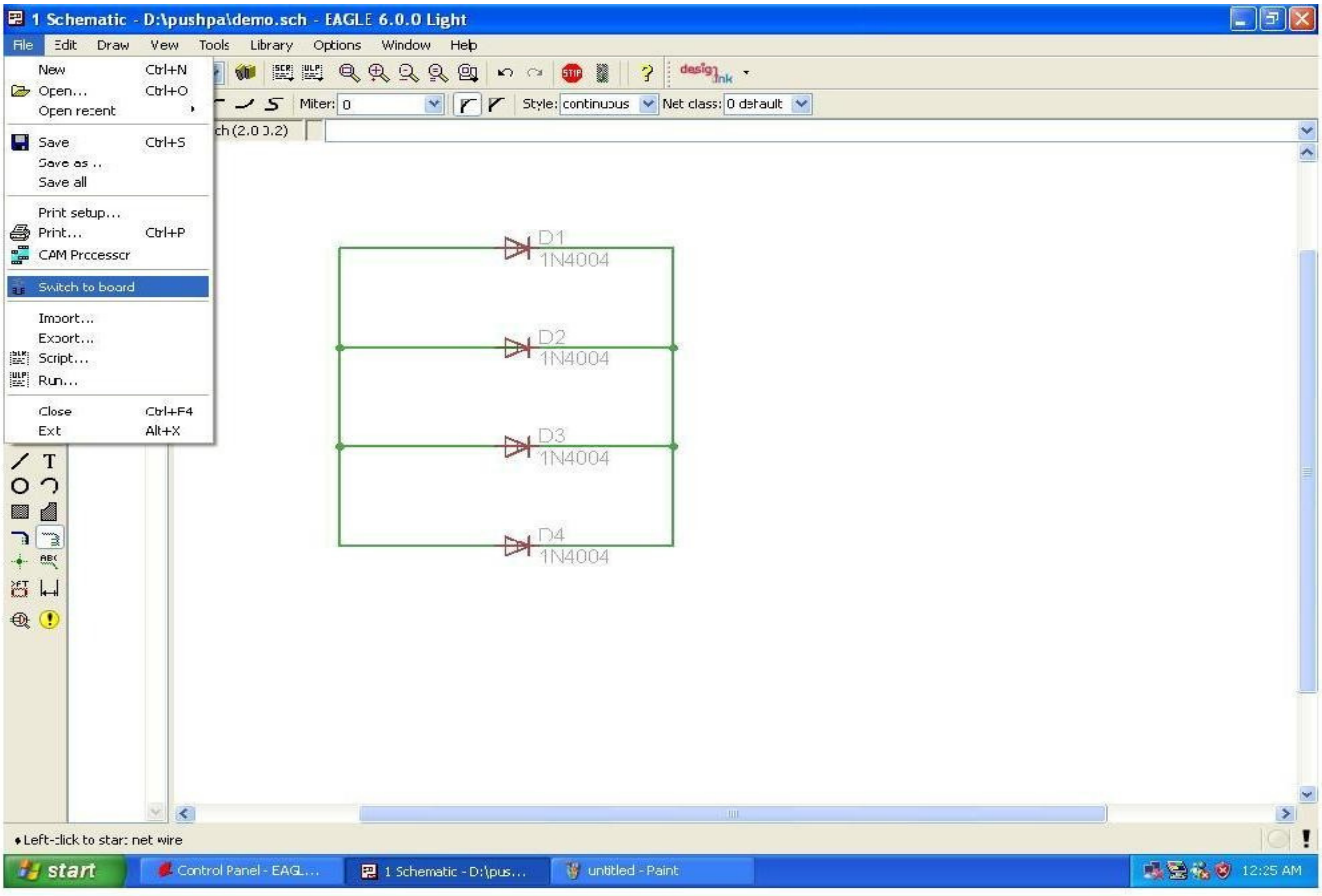
After addition of Component Make Connection Between them by clicking toolbar icon →

Schematic view after connection completed.

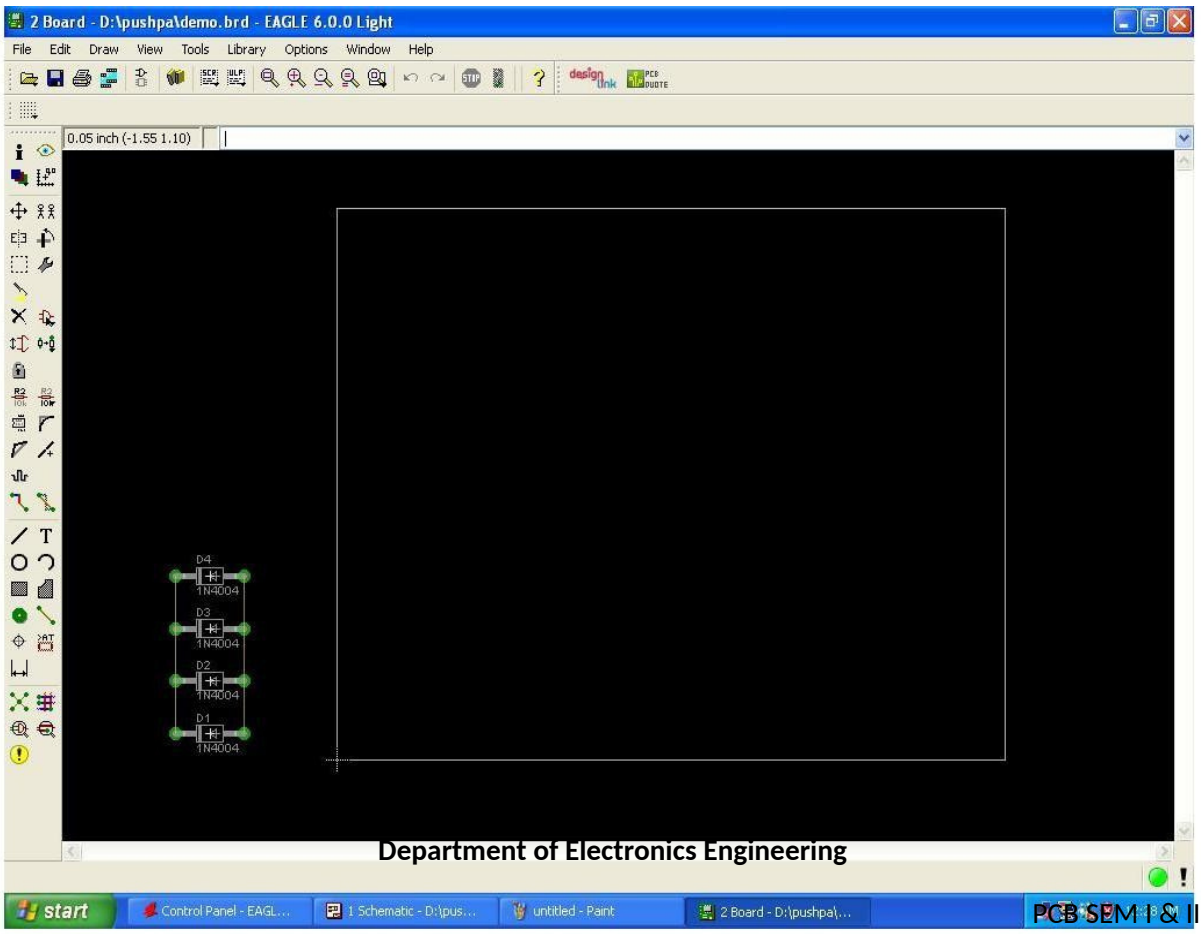

1 Schematic - D:\pushpa\demo.sch - EAGLE 6.0.0 Light
File Edit Draw View Tools Library Options Window Help
Board
Miter: 0
Style: continuous
Net class: 0 default
Sheets
0.1 inch (1.1 3.4)
D1
1N4004
D2
1N4004
D3
1N4004
D4
1N4004
Switch to board
start
Control Panel - EAGL...
1 Schematic - D:\pus...
untitled - Paint
12:27 AM

Step to convert schematic into Layout click

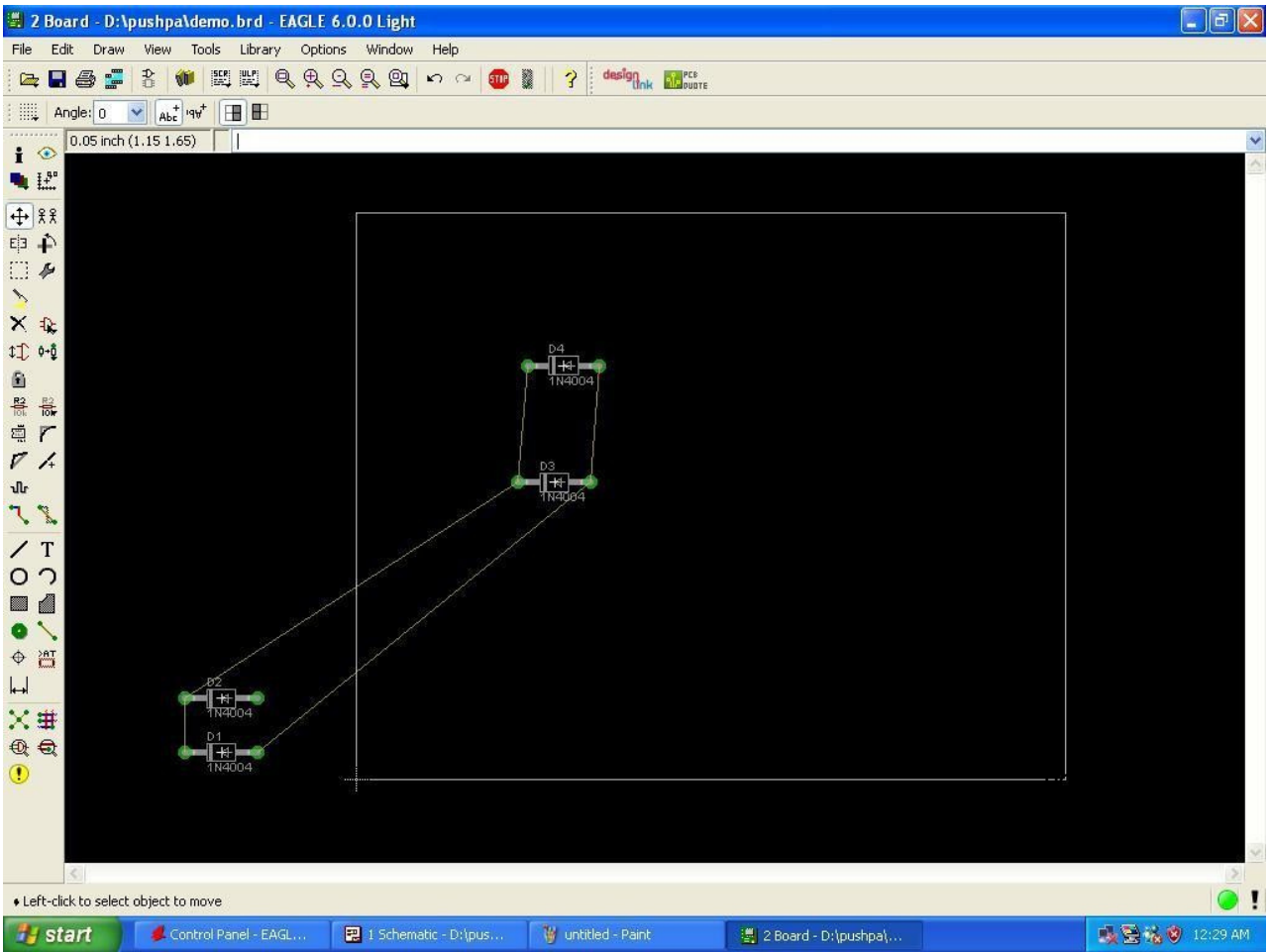
FileSwitch to Board



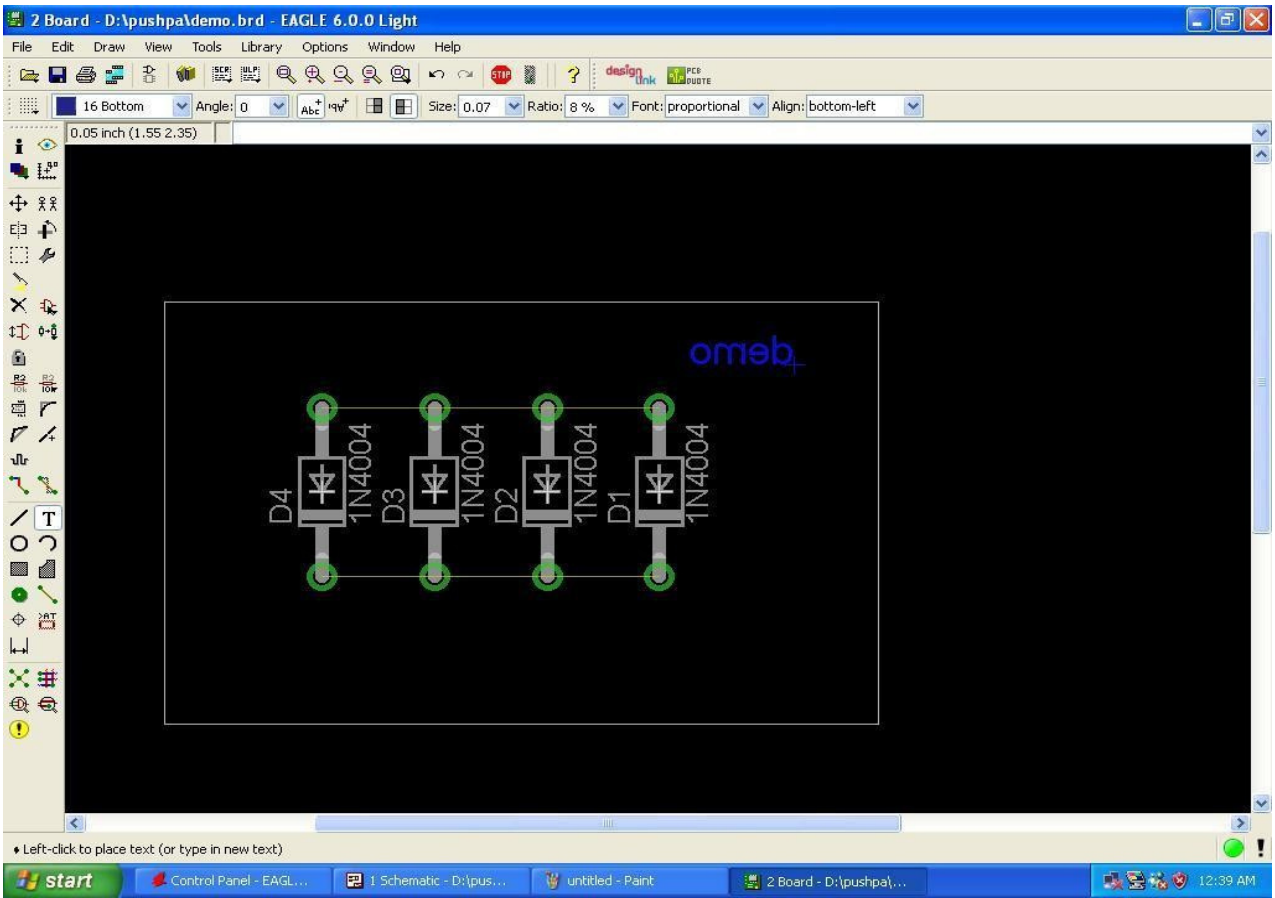
Layout window now move diode inside square area using Move icon

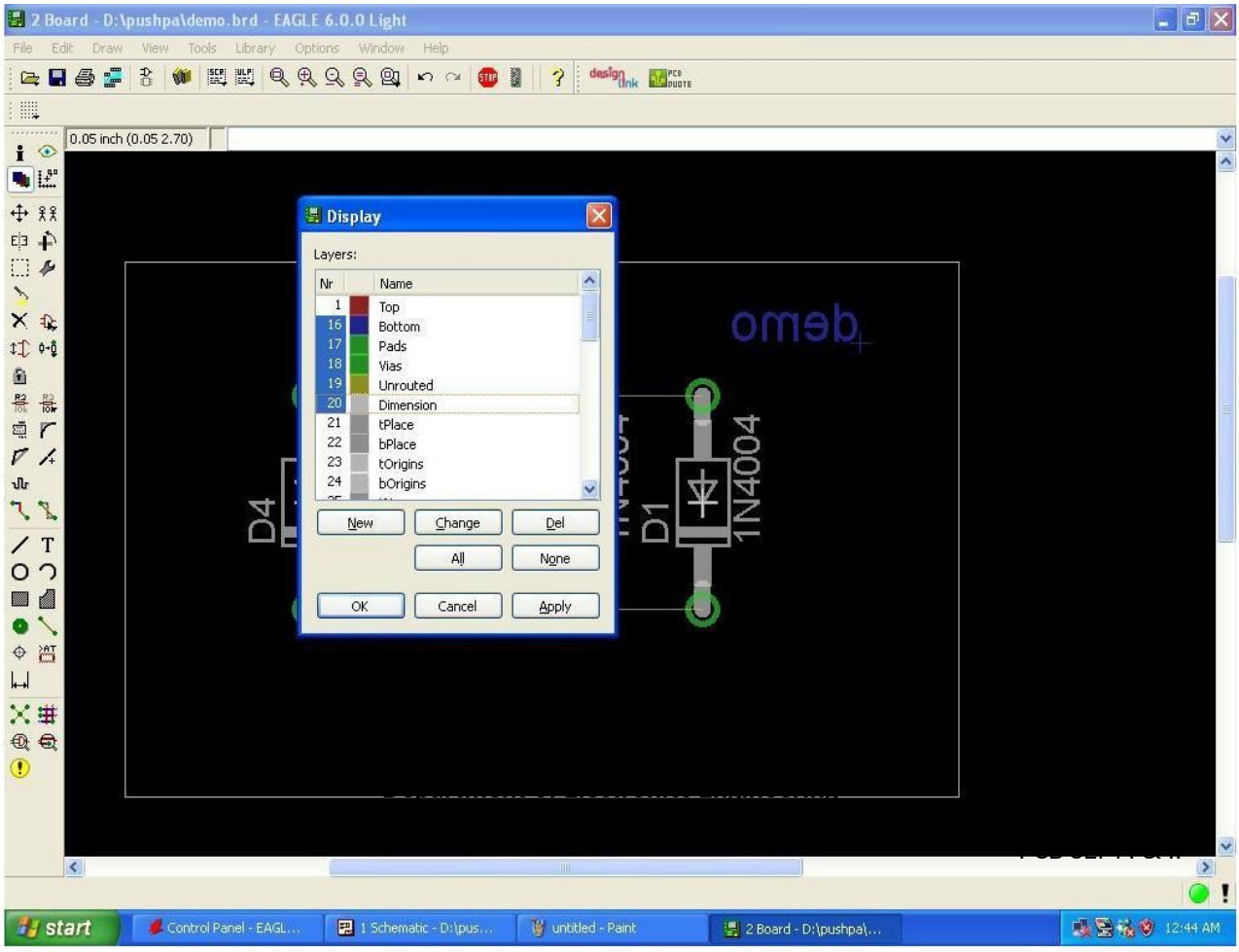


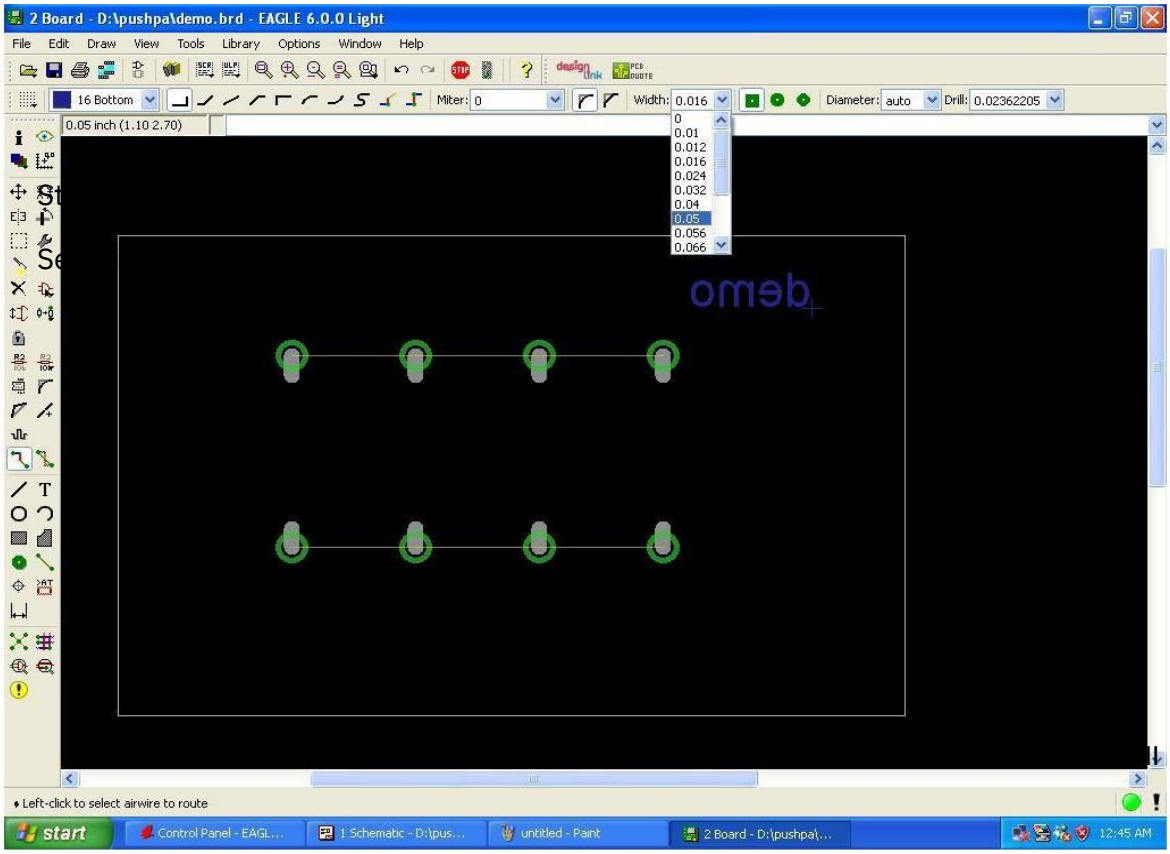
Component moving Window



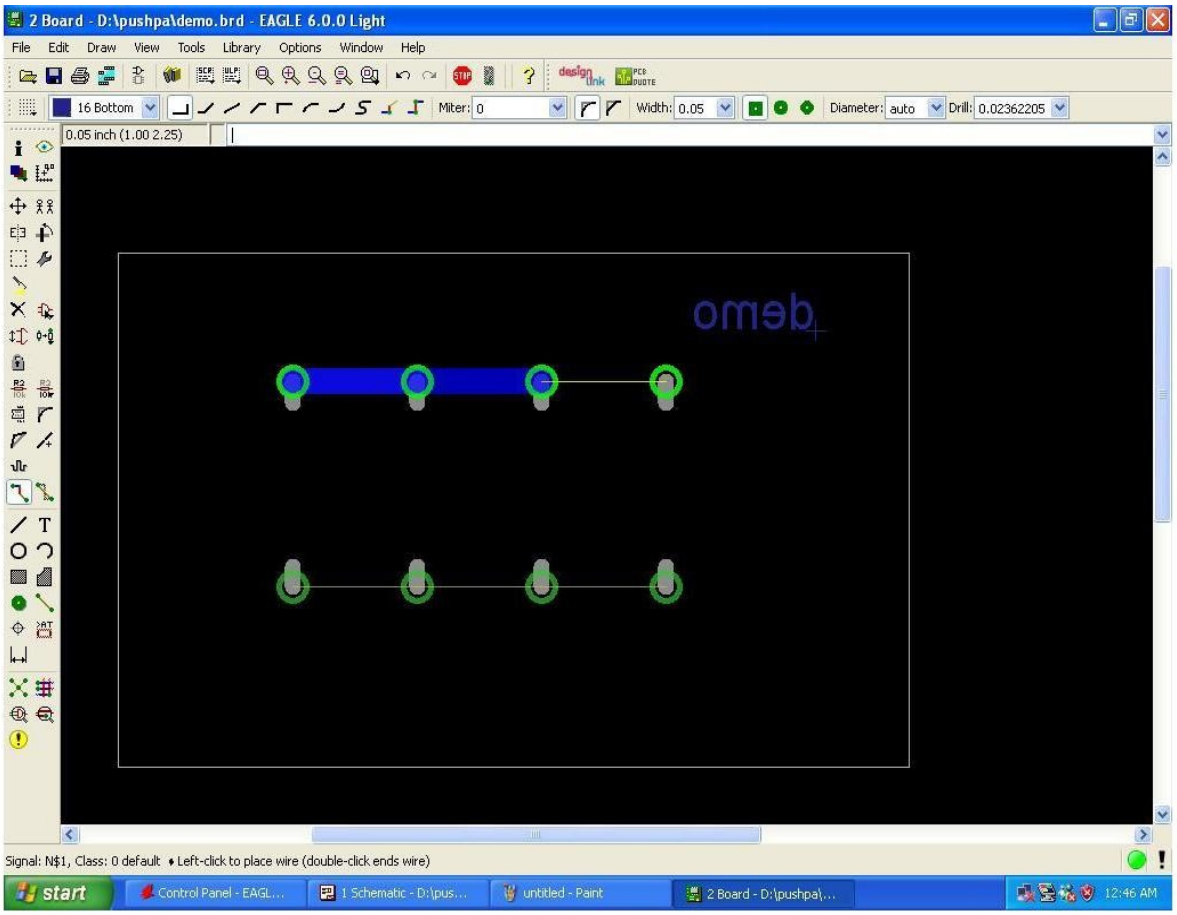
After Movement of Component completed Layout view.



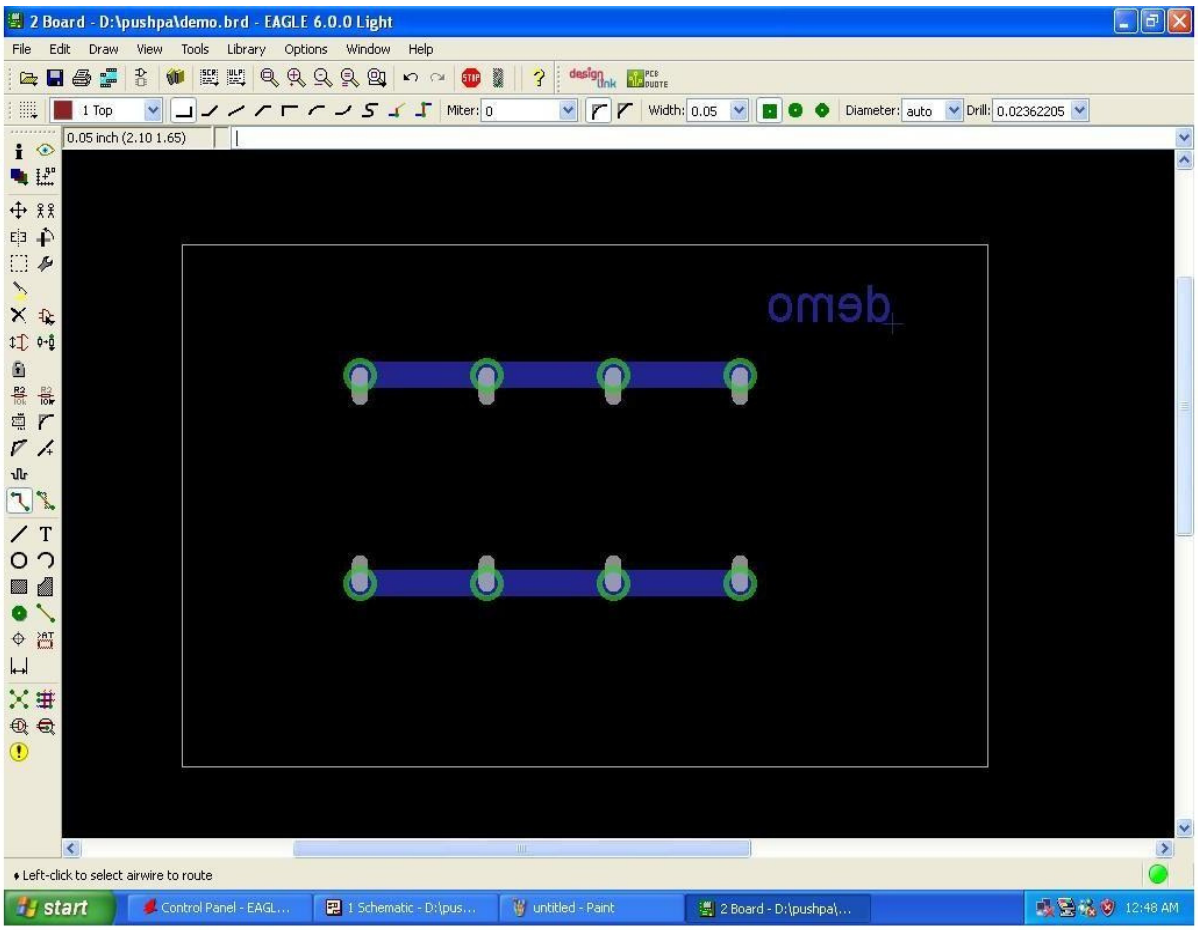

2 Board - D:\pushpa\demo.brd - EAGLE 6.0.0 Light
File Edit Draw View Tools Library Options Window Help
0.05 inch (0.05 2.70)
Display
Layers:
Nr Name
1 Top
16 Bottom
17 Pads
18 Vias
19 Unrouted
20 Dimension
21 tPlace
22 bPlace
23 tOrigins
24 bOrigins
New Change Del
All None
OK Cancel Apply
D4
D1
1N4004
start
Control Panel - EAGL...
1 Schematic - D:\pus...
untitled - Paint
2 Board - D:\pushpa\...
12:44 AM


2 Board - D:\pushpa\demo.brd - EAGLE 6.0.0 Light
File Edit Draw View Tools Library Options Window Help
16 Bottom
Miter: 0
Width: 0.016
Diameter: auto
Drill: 0.02362205
0.05 inch (1.10 2.70)
0
0.01
0.012
0.016
0.024
0.032
0.04
0.05
0.056
0.066
• Left-click to select airwire to route
start
Control Panel - EAGL...
1 Schematic - D:\pus...
untitled - Paint
2 Board - D:\pushpa\...
12:45 AM

Making Route Connection Window display.


2 Board - D:\pushpa\demo.brd - EAGLE 6.0.0 Light
File Edit Draw View Tools Library Options Window Help
16 Bottom
Miter: 0
Width: 0.05
Diameter: auto
Drill: 0.02362205
0.05 inch (1.00 2.25)
Signal: N$1, Class: 0 default • Left-click to place wire (double-click ends wire)
start
Control Panel - EAGL...
1 Schematic - D:\pus...
untitled - Paint
2 Board - D:\pushpa\...
12:46 AM

After Completed Route Connection window display.

To take Print Go toFile Export image

Set Monochrome view, Resolution 750 and Area Window