

# FUSION 360 Schematic Design

SD401-Worksheet Week 7

## WK7 Assignment: FUSION 360 Schematic Worksheet

- Create an ECAD Schematic Drawing of a LED Blinker Circuit from the Schematic provided
- Save a file of the Parts list created from Fusion 360 in two separate versions, Text File, & HTML
- 1) Save the Parts List with the options of
  - a) List Type: Parts, Output Format: Text File, Save File as Group# Parts TEXT  
*ex.SD401\_Sp25\_XX\_Parts\_Text*
  - b) List Type: Values, Output Type: HTML, Save File as Group# Values\_ HTML

### Worksheet Objectives:

- ✓ Worksheet for PCB fabrication- Step 1
- ✓ Through Hole Components required- NO SMD'S
- ✓ Add Components to an ECAD Schematic Design
- ✓ Add Text, with different Font size
- ✓ Add Nets (air wires)
- ✓ Identify Layers
- ✓ Add Connectors from library
- ✓ Add PWR and GND
- ✓ Save and Print the ECAD Schematic document as an image and send via email
- ✓ Create and Print the Bill of Materials, in two different styles, showing parts vs values

Email the .pdf image of the Schematic, and the two variations of the Parts List, in a .zip folder

Send to [jeffrey.erickson@ndsu.edu](mailto:jeffrey.erickson@ndsu.edu)

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