

Step 1: DipTrace Tutorial

Name

Time Sheet (the first three lines are to record the time to complete each “step.”)

Date:	Time in/Time Out:	Time
Time to answer QUESTIONS below:		
Date:	Time in/Time Out:	Time
		Total

Please answer the following questions.

1. What was the most time-consuming part of the tutorial?

2. What was the most confusing part of the tutorial?

3. What was the most useful part of the tutorial?

4. What was the least useful part of this tutorial?

5. What is missing from this tutorial?

Step 4,5: First Lab / Write-up	Name
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Time Sheet (the first three lines are to record the time to complete each “step.”)

Date:	Time in/Time Out:	Time
Date:	Time in/Time Out:	Time
Date:	Time in/Time Out:	Time
Time to answer QUESTIONS below:		
Date:	Time in/Time Out:	Time

Total

Please answer the following questions.

1. Which part of the lab did you not have enough time to work on?

2. Were you able to finish the continuity tester?

3. Other comments:

Step 6: Design of Op-Amp Board	Name
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Time Sheet (the first three lines are to record the time to complete each “step.”)

Date:	Time in/Time Out:	Time
Date:	Time in/Time Out:	Time
Date:	Time in/Time Out:	Time
Time to answer QUESTIONS below:		
Date:	Time in/Time Out:	Time

Total

Please answer the following questions.

1. How long did it take to build the schematic in DipTrace (minutes)?
2. How long did it take to create and route the layout in DipTrace?
3. Was the routing correct during the first attempt (even if it was not the easiest to visualize)?

5. Based on Questions 1 – 4, and any other time needed to complete the layout, what was the total time required to complete this step ... from building the schematic to creating the gerber file?

6. What was the most difficult part of this step?

7. What was the most confusing part of this step?

8. Approximately how many times did you wish you could ask the instructor for help?

Step 7,8: Approval/Submittal

Name

Time Sheet (the first three lines are to record the time to complete each “step.”)

Date:	Time in/Time Out:	Time
Time to answer QUESTIONS below:		
Date:	Time in/Time Out:	Time
		Total

Please answer the following questions.

1. Was the board designed correctly?
2. If the answer to Q1. is “No”, how long did it take you to redo the layout/gerber file?
3. How long did it take to upload the gerber file and order the PCB?

Step 9: Second Lab Session	Name
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Time Sheet (the first three lines are to record the time to complete each “step.”)

Date:	Time in/Time Out:	Time
Date:	Time in/Time Out:	Time
Date:	Time in/Time Out:	Time
Time to answer QUESTIONS below:		
Date:	Time in/Time Out:	Time
		Total

Please answer the following questions. Add comments as needed.

1. How long did it take to receive the PCB (in days)?

2. How long did it take to assemble the Op-Amp Board?

3. How long did it take to test the board?

3. How long did it take to the laboratory experiment that the board was designed for?

5. Other comments:

