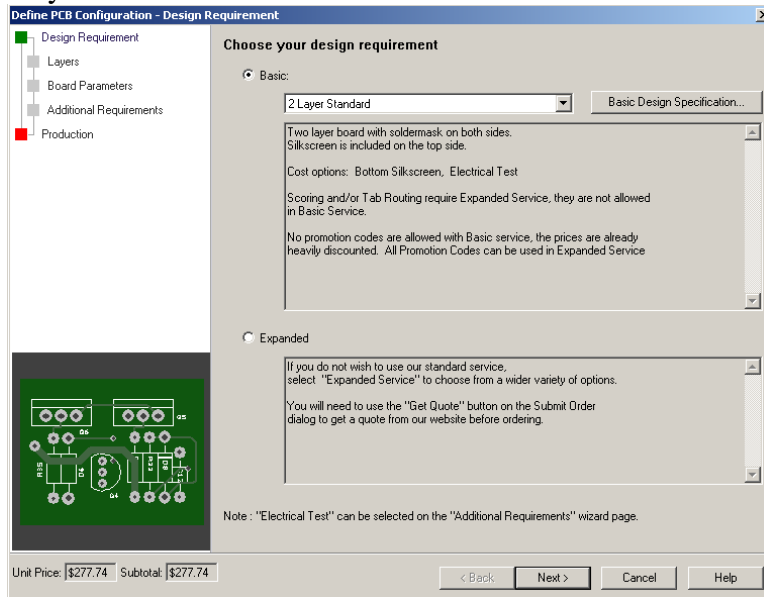


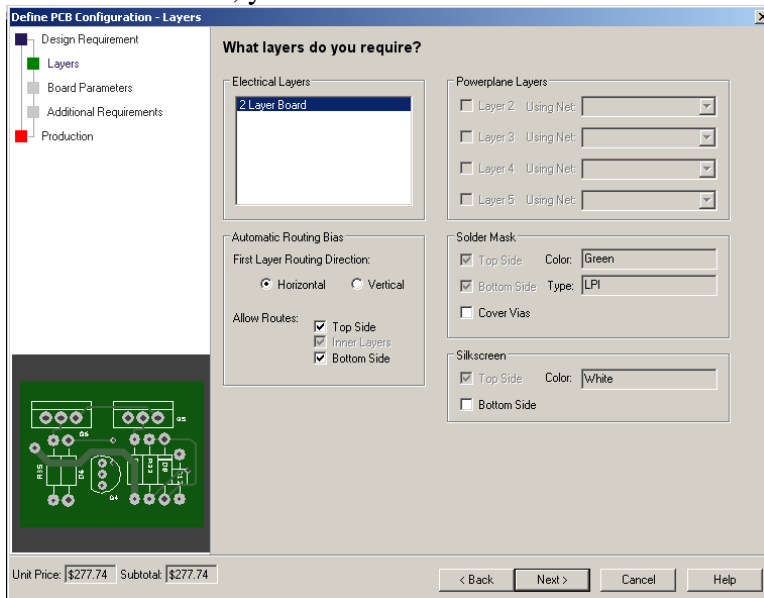


With your PCB open in PCBArtist

1) Execute **Settings->PCBConfiguration** Basic, 2-layer Standard



2. No bottom silk or Bottom silk, your choice



3. 0.062 inches, 1 oz, 0.007 in min track, 0.015 in hole

The screenshot shows the 'Define PCB Configuration - Board Parameters' dialog box. The 'Board Parameters' tab is selected. The 'Specify your required board parameters' section includes the following fields:

- Material Type: FR4
- Material Thickness: 0.062 inches
- Finish Plating: Lead Free Solder
- Copper Weight (Outer): 1 oz
- Beveled Gold Fingers: None
- Copper Weight (Inner): 1 oz
- CNC Route Points: 8
- Number of SMD Pads: Top Side: 95, Bottom Side: 4
- Min. SMD Pad Pitch: 26
- Min. Track Width/Gap: 0.007 inches
- Minimum Hole Size: 0.015 inches

There are also checkboxes for 'Counter Sinks' and 'Counter Bore' with 'Number of Holes' and 'Plated' options. A 'Parameter Definitions...' button is present. At the bottom, the unit price is \$277.74 and the subtotal is \$277.74.

4. No testing, Student. **YOU HAVE TO TYPE Student INTO THE WINDOW.**

The screenshot shows the 'Define PCB Configuration - Additional Requirements' dialog box. The 'Additional Requirements' tab is selected. The 'Specify your additional requirements' section includes:

- 'Electrical Testing' checkbox with a 'Price' field set to \$0.00.
- 'Special Requirements' section with a text area containing the word 'Student'.

At the bottom, the unit price is \$277.74 and the subtotal is \$277.74.

5. Board part number, 1 week, quantity 1, no array. Your board name will be assigned to you by your TA, **UTX-2011F1xx**

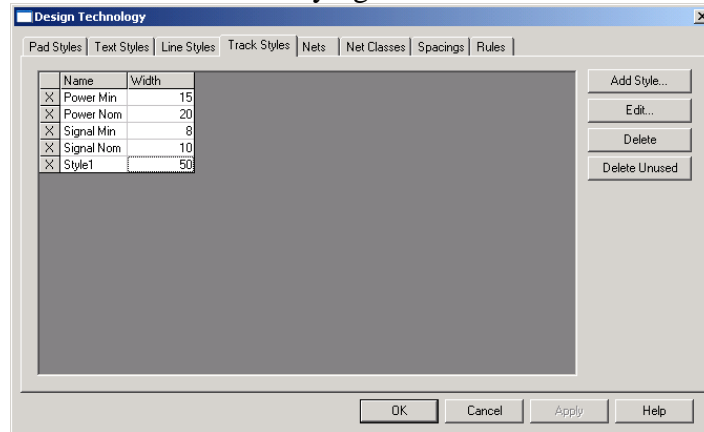
The screenshot shows the 'Define PCB Configuration - Production' dialog box. The 'Production' tab is selected. The 'Specify board quantity and turnaround time' section includes:

- Board Part Number: UTX-2011F100
- Production: Prototype
- Revision Number: 1
- Turnaround Time: 1 Week
- Quantity: 1

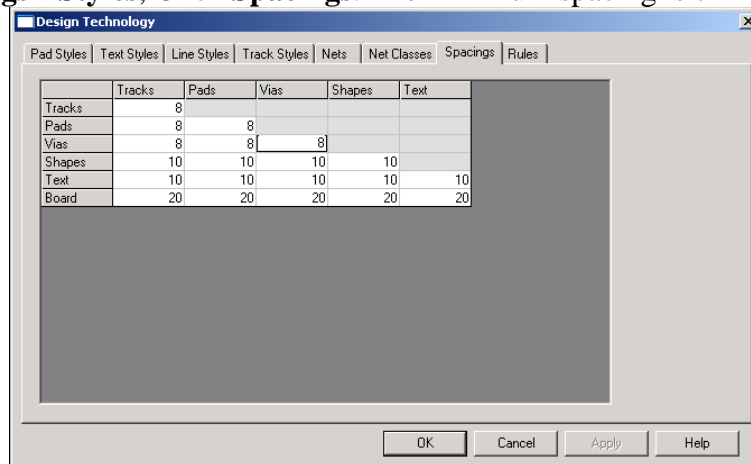
There are buttons for 'How To Place Your Order...' and 'Email A Question...'. Below is an 'Array' section with fields for Array Width, Array Height, Array Up, Board Width, Board Height, Inner Spacing, and Border. There are also checkboxes for 'Add Tooling Holes per Advanced Circuits Standards' and 'Add Fiducials per Advanced Circuits Standards'. The 'Cost' section shows a unit price of \$277.74, a board subtotal of \$277.74, and an electrical test cost of \$0.00. A note states: 'Note: Cost does not include shipping and applicable taxes.' At the bottom, the unit price is \$277.74 and the subtotal is \$277.74.

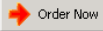
6. Check the settings

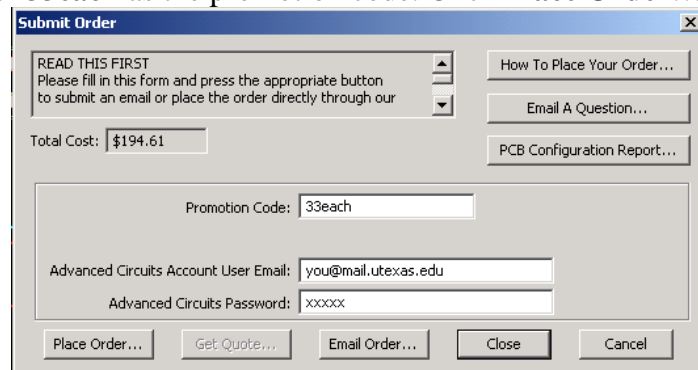
Execute **Settings->Styles**, Click **Track Styles**. **Power** tracks are 15 to 20 mils, and **Signal** tracks are 7 to 10 mil. Tracks carrying motor currents show be larger, e.g., 50 mil.




Execute **Settings->Styles**, Click **Spacings**. The minimum spacing is 7 mil.



7. When you think you are done, register at www.4pcb.com. From PCBArtist, click  and enter **33each** as the promotion code. Click **Place Order...**



8. Browse for your file and click **Upload FAB File**



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1-800-979-4PCB
www.4PCB.com

Cancel - Return to My4PCB

File Upload

Step 2 of 5

File Upload

Uploaded files will be transmitted to Advanced Circuits when step 5 of the order process is complete.

Note: There is only one FAB file allowed per order

Part Number: Lab6Example2009

Design File Upload
Your file D:EE345L ClassEE345L labLab6hLab6h_artist.fab

Please BROWSE to select your FAB file then press Upload File to send.

This process can take from a few seconds to several minutes.
Depending on the size of your file and speed of connection. Please be patient.

Approximate Upload Times			
Connection Speed	500KB	1MB	5MB
28.8K	3 min	6 min	30 min
56K	90 sec	3 min	15 min
128K	40 sec	80 sec	8 min
256K	20 sec	40 sec	4 min
512K	10 sec	20 sec	2 min
T1	5 sec	10 sec	1 min

Cancel - Return to My4PCB

You should see a price of \$33 without shipping. In this class, we will be buying the boards not you. You should get to the following screen and stop. Do not give them a credit card unless you want to spend \$52 (UPS ground shipping).

Additional Order Details

Step 3 of 5

Item Description						
Quote #	Part #	Revision #	Lead Time	Quantity	Unit Price	Board Subtotal
	Lab6Example2009	1	5-day(s)	1	\$33.00	\$33.00
<p>Click here to review board specifications.</p> <p>ZIP File Name: <input type="text" value="Lab6h_artist.fab"/> ITAR: <input type="radio"/> Yes <input checked="" type="radio"/> No What is ITAR?</p> <p style="font-size: small; color: red;">Use a unique filename for all designs. Avoid names like proto.zip</p>						
Other Order Information						
Electrical Test: \$0.00	<input type="text" value="No"/>	Comments:				
Tooling: \$0.00	<input type="text" value="No"/>	STUDENT 33each-Student				
5% Overage:	<input type="text" value="No"/>					
Shipping Account Number:	<input type="text"/>					
	<input type="checkbox"/> (Save for Future Use)					
Ship Method	UPS Ground	<input type="text" value="other"/>				