



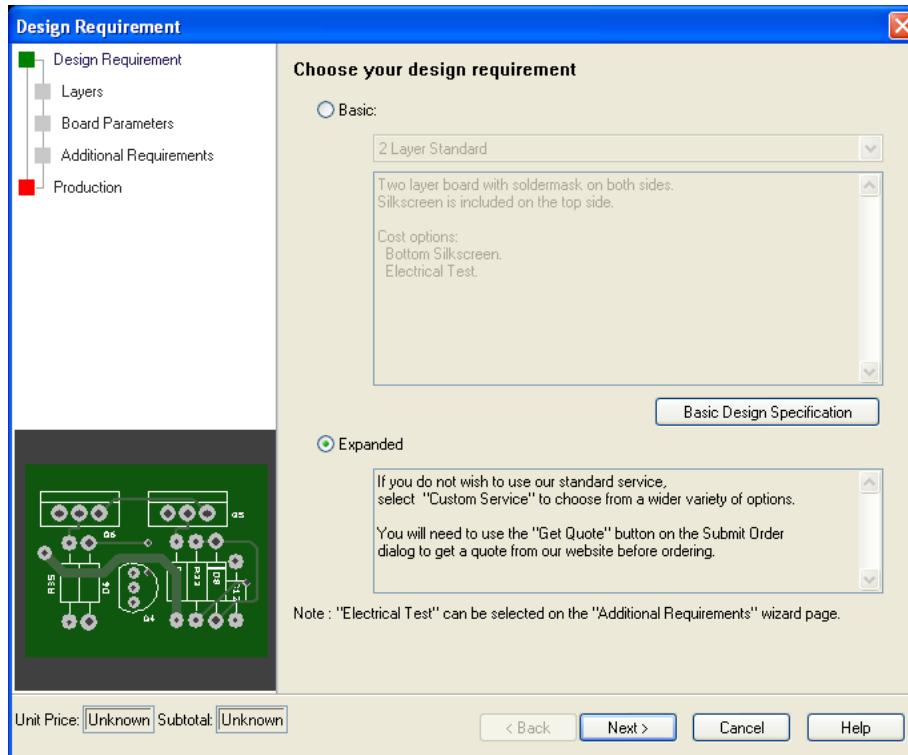
PCB Artist Expanded Design Requirement Order Process

Expanded Design Requirement Ordering Quick Reference:

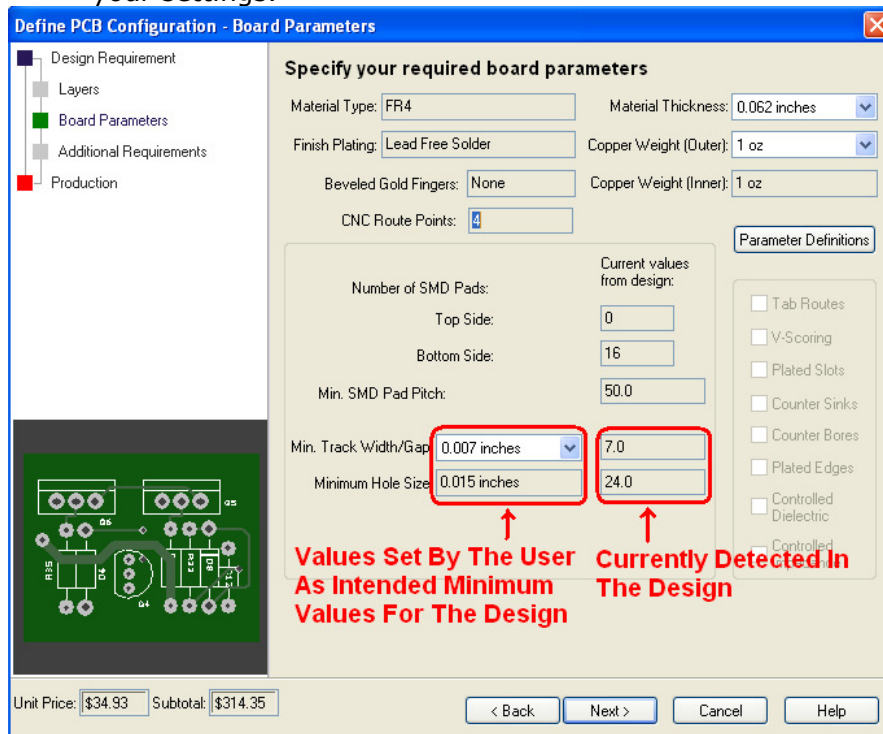
1. Close all open web browsers and browser tabs. They can interfere with upload of the file we need for manufacturing.
2. From the main menu, click on Output>Submit Order.
3. PCB Artist will automatically run design rule checks and ask to view any errors found. If all errors have already been reviewed, click the Yes button to proceed with the order.
4. The Submit Order window will open. Enter your email and a password in the appropriate text fields and hit the Get Quote button.
5. The application will launch a web browser.
6. A quote matrix will appear showing prices at various quantities and turn times.
7. When you have chosen the quantity and turn time combination that suits your needs, click directly on that price in the matrix. If you were only looking for a quote to print, you can exit this web page without placing an order.
8. On the upload page, browse to your .fab file location (shown in the path at the top of that web page) and click Upload File after you have located it.
9. The process will then take you to a page to input your shipping and payment information.
10. The next page is Preview Order. If something is wrong, you can exit out and nothing will be charged to you.
11. Click the Process Order button to make your order.

Expanded Design Requirement Ordering In Detail:

1. Close all open web browsers and browser tabs. They can interfere with upload of the file we need for manufacturing.
2. Confirm specifications in Settings>PCB Configuration
 - a. On the first page of that wizard, confirm you have the design set to Basic Design Requirement.



- b. On the Layers page of that wizard, the Bottom Silkscreen checkbox is defaulted off. If you need the Bottom Silkscreen, the checkbox must be checked or it will not be produced on the board or questioned.
- c. On the Board Parameters Page of that wizard, check the Min Track Width/Gap and Minimum Hole Size settings in the lower left match your settings.



- d. Go to the Production page of that wizard. Make sure the Part Number and Revision blanks are not blank. Those are required fields for ordering.

- e. Click the Finish button.
3. From the main menu, click on Output>Submit Order.
4. PCB Artist will automatically run design rule checks and ask to view any errors found. If all errors have already been reviewed, Click Yes to proceed with the order.
5. The Submit Order window will open,
 - a. Enter your email and a password in the appropriate text fields and click on the Get Quote button.

6. The application will launch a web browser. The page will either open to upload your file.
 - a. An Invalid User error means that email is not set up with 4PCB.com.
 - i. The system should automatically register a new user, but different specific circumstances can result in this error.

- ii. If you have placed an order previously, then this error means the email address typed into the Advanced Circuits Account User Email is not spelled correctly.
 - iii. To register the email directly from the Invalid User Webpage
 1. Click on the Register Now link on the right of that page.
 2. It will take you through registration and then automatically bring you back into the order process.
 3. You do not need to exit out of anything.
 - b. User Already Exists means that that email entered had already been registered with 4pcb.com and that the password does not match the password associated to it.
 - i. Click on the Forgot Password link and the password will be emailed to that address.
 - ii. Exit the process and close all web browsers.
 - iii. Begin the order again when you receive the email with your password.
7. A quote matrix will appear in the right-hand side showing prices at various quantities and turn times.



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Part #: HR302	Revision: 2	Date: 7/30/2009	Quote #: 2354542
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CUSTOM SPEC Price Matrix:

1. The Custom Spec Matrix reflects pricing for the **EXACT SPECS** you **QUOTED**.
 2. All files receive full CAM review and inspection to IPC-A-600G, class 2 standards.
 3. INCLUDES UL markings and date codes. 94V-0 is added if requested at time of order entry or if noted in files. Finished hole tolerance +/- .003" (if requested). Unit price does not include shipping and handling.
- To Place Order, Click on UNIT PRICE below: (Qty = Pieces, Not Arrays)**

Qty	Same Day	1-day	2-day	3-day	4-day Best Value!	1-week	2-week	3-week	4-week
9	Call Us	\$223.08	\$127.43	\$105.56	\$97.36	\$91.90	\$80.97	\$70.03	\$59.10
11	Call Us	\$185.02	\$105.66	\$87.53	\$80.72	\$76.19	\$67.12	\$58.05	\$48.98
19	Call Us	\$112.91	\$64.43	\$53.35	\$49.20	\$46.43	\$40.89	\$35.35	\$29.81
109	Call Us	\$31.05	\$17.62	\$14.56	\$13.41	\$12.64	\$11.10	\$9.57	\$8.04

Tooling NRE = \$334.00 (Tooling waived when re-ordered) Testing = \$140.00 (Optional for 0-8 layers)

Part #	HR302	Revision #	2	Layer count	4
X Dimension	5	Y Dimension	2	Array	<input type="checkbox"/>
	Tab-Rout? <input type="checkbox"/>	Scoring? <input type="checkbox"/>			
Material Type	FR4	Finish Thickness	0.062"	Finish Plating	Lead Free Solc
Gold Fingers?	None	Copper Wt. (Outer)	1 oz	Copper Wt. (Inner)	1 oz
Min. Trace/Space	0.007"	Soldermask	both sides	Soldermask Color	Green
Smallest Hole Size	0.015	Silkscreen	top side	Silkscreen Color	White
Top SMD Pads	0	Bottom SMD Pads	16	Min. Pitch	0.050"
Additional Attributes:	<input type="checkbox"/> Plated Slots? <input type="checkbox"/> Plated Edges? <input type="checkbox"/> Controlled Dielectric? <input type="checkbox"/> Counterbore? <input type="checkbox"/> Countersink? <input type="checkbox"/> Controlled Impedance?				

8. When you have chosen the quantity and turn time combination that suits your needs, click directly on that price in the matrix. The browser will proceed to the upload page.
9. On the upload page, browse to your .fab file location (shown in the path at the top of that web page) and click Upload File after you have located it.
10. The process will then take you to a page to input your shipping and payment information.
11. The next page is Preview Order. If something is wrong, you can exit out and nothing will be charged to you.
12. There will then be a Process Order button that will take your order.