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Plug-In PCB-Investigator:

„Panel Builder“ This Plug-In multiplied a panel many times.

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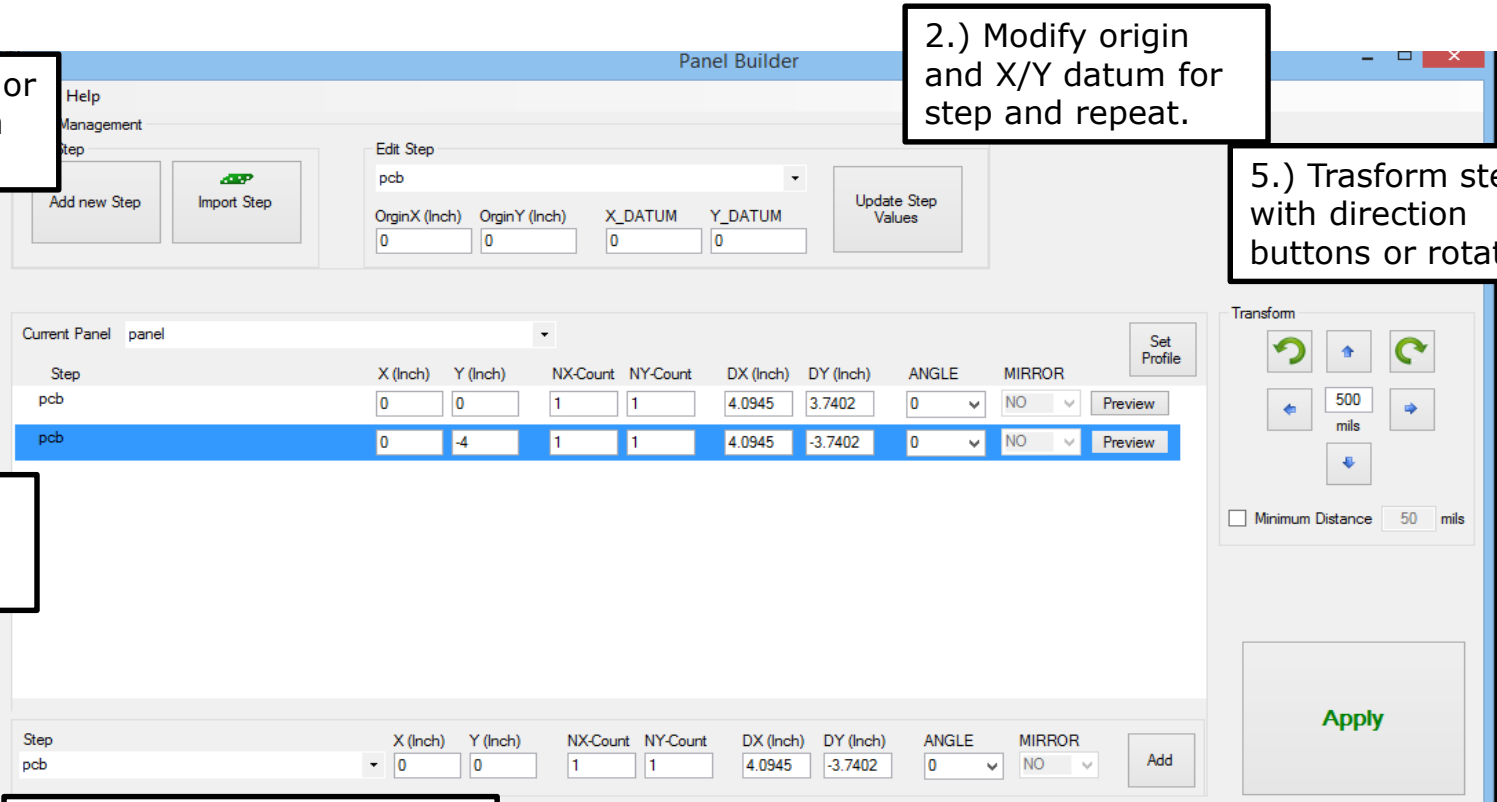
Panel Builder Plug-In

1.) Add new step or import steps from other database.

2.) Modify origin and X/Y datum for step and repeat.

5.) Transform steps with direction buttons or rotate.

3.) List of all substeps with all important values.



The screenshot shows the 'Panel Builder' software interface. At the top, there's a menu bar with 'Help', 'Management', and 'Step'. Below it, there are buttons for 'Add new Step' and 'Import Step'. The main area is titled 'Edit Step' and shows a dropdown menu for 'pcb'. Below this, there are input fields for 'OriginX (Inch)', 'OriginY (Inch)', 'X_DATUM', and 'Y_DATUM', all set to 0. An 'Update Step Values' button is to the right. Below this is a table of steps:

Step	X (Inch)	Y (Inch)	NX-Count	NY-Count	DX (Inch)	DY (Inch)	ANGLE	MIRROR	Preview
pcb	0	0	1	1	4.0945	3.7402	0	NO	Preview
pcb	0	-4	1	1	4.0945	-3.7402	0	NO	Preview

Below the table is a 'Set Profile' button. At the bottom of the interface, there's another row of input fields for 'Step', 'X (Inch)', 'Y (Inch)', 'NX-Count', 'NY-Count', 'DX (Inch)', 'DY (Inch)', 'ANGLE', and 'MIRROR', with an 'Add' button. To the right, there's a 'Transform' panel with rotation and translation buttons, a '500 mils' scale, and a 'Minimum Distance 50 mils' checkbox. A large 'Apply' button is at the bottom right.

4.) Panel to add other steps with options like count of repeats and offset.

6.) Apply changes to save it in database and update visible area.

Panel Builder Plug-In



1. Create new steps and/or import steps from other database.
2. Optional to modify the origin and datum for positions in other steps.
3. Entering values (NX / NY = repeats on the X or Y-axis; DX / DY distance in different directions), this is extra for each substep.
4. In the bottom area is a line to add new step definitions as substeps.
5. Easy transform of substeps. There are options to move and rotate, you can use minimum distances to come as close as possible to other substeps (only for move).
6. Apply the changes and save it in the file system.

Panel Builder Plug-In



The screenshot displays the Panel Builder software interface. The main window shows a PCB layout with a white outline on a black background. A 'Layer' list on the left includes: comp_+_top, sst, spt, smt, smt+1, top_1, l2-gnd, l3-pwr, bottom, smb, ssb, rout, drill, nc_dr1_1-4, board_outline, route_view, sq_a_areas, and top_1_1. A 'Map' window at the bottom left shows a red rectangular area. The 'Panel Builder' dialog box is open, showing step management and configuration options.

Panel Builder Dialog Box:

File Help

Step Management

Add Step

Add new Step Import Step Update Step Values

Edit Step panel

OriginX (Inch) OriginY (Inch) X_DATUM Y_DATUM

0 0 0 0

Current Panel panel

Step	X (Inch)	Y (Inch)	NX-Count	NY-Count	DX (Inch)	DY (Inch)	ANGLE	MIRROR	Preview
pcb (2.8.2.1)	-0.15	0	2	1	2.8	2.1	180	NO	Preview
pcb (2.8.2.1)	-2.85	0.15	2	1	2.8	2.1	0	NO	Preview

Transform

50 mils

Minimum Distance 50 mils

Apply

Step X (Inch) Y (Inch) NX-Count NY-Count DX (Inch) DY (Inch) ANGLE MIRROR Add

pcb 0 0 2 1 2.7 2.1 0 NO

Y: -0.5169" ZF: 1.774