

## X-Keys Protel Layout Notes – Protel .ddb file

- 1) The file 'X-KEYS TEMPLATE.EXE' is a self extraction ZIP file which contains the Protel 99SE database for the X-Keys template. This version is not as pretty as the PDF version (created using VectorWorks), but using it will allow you to roll your own template using Protel.
- 2) I imported this design using DXF and did the necessary text clean-up using the rectangles on the Mech2 layer for guidance. Like wise, you can use this guide when doing your own version. Since I'm not using this version, I have not spent a lot time finding the best fit size or font – so experiment.
- 3) I have not tried to export this file using DXF – but you might try it, if you have another drawing program that will give you better text. Be sure to export all three mechanical layers, so you'll have the guides in case the text moves (a less than lovable aspect of DXF transfers).
- 4) The print set-up prints only layers Mech1 (the template) and Mech3 (the reference dimension marks). You will have to do the set-up for your printer in Print Preview. I found that it was necessary to adjust the X and Y scale values when printing to my HP 4050N LaserJet (X=1.003, Y=.995). I would suggest doing a test print at 100% (X=1.000, Y=1.000), measure the results and then adjust the scale factors, until your adjusted test print measurement matches the reference dimension marks.
- 5) See the 'Protel PCB X-Keys.pdf' document for an view of the installed template, additional notes and list of Protel key codes.
- 6) The next page is an PDF print from the Protel ddb file.

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