



Media Release

FOR IMMEDIATE RELEASE

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Free DFM Checker Tool offered by Numerical Innovations - Instantly Analyze Gerber and Drill data for Manufacturing Violations.

(San Diego, CA) – Numerical Innovations, LLC (NI) has announced its official launch of FAB 3000™ with Free DFM Checker - the industry's first comprehensive Viewing & DFM checker tool that runs directly on the user's desktop for Free.

FAB 3000™ with Free DFM Checker provides PCB designers worldwide the added confidence in knowing that their Gerber & Drill data have been pre-checked by the FAB 3000 DFM Checker - and they will not have any unwanted delays in getting their boards produced. The DFM Checker is extremely easy to operate by simply importing the Gerber & Drill files into FAB 3000, assigning layer types, and clicking a button to begin; if manufacturing violations are detected a description and count will be displayed.

"Most PCB layout software packages are very liberal in their interpretation of the Gerber format, and usually output CAM files (i.e. Gerber & Drill data) that are not to specifications because there's no certification process to verify that the outputs are proficient. Many PCB layout software programmers will simply test their outputs in a Gerber viewer of their choice and if it looks fine, it is considered acceptable. There's a very good possibility their Gerber files have not been output correctly, and may be interpreted incorrectly by the PCB Fabricator's CAM software when they go to make the boards," states Simon Garrison of NI.

"Further, this is why almost every responsible PCB designer has to use a Gerber viewer afterwards to look at their Gerber files before sending them out to prevent these quirks... but unless you have eyes like a hawk, simply staring at Gerber files inside a free Gerber viewer (especially with hundreds of signals & thru holes) is just an invitation for mistakes. It may have been understandable in the past for a designer to rely solely on a Gerber viewer but nowadays in these competitive economic times you can't afford to just stare at Gerber files and assume everything will be okay," states Simon.

Besides the potential inaccuracies of Gerber files, FAB 3000™ with Free DFM Checker will also check for these hard to find violations: Acid Traps, Minimum Spacing, Thermal Conflicts, Power/Ground shorts, Starved Thermals, Solder Bridges, Mask Slivers, Silkscreen over mask, and much more. In addition, FAB 3000™ with Free DFM Checker can create high-resolution Adobe® PDF files (up to 'E' Size) excellent for check plotting, provide Red-Line Markup to highlight errors to improve communication, and comes with a very powerful & easy to use Gerber viewing environment --- plus it's Free!.

"FAB 3000 with Free DFM Checker is here to help out the PCB industry in these tough times. Now it is more important than ever to accurately prepare your designs for manufacturing," mentions Simon.



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FAB 3000™ is offered in three tiers: Free DFM Checker, Designer, and Professional. Designer & Professional licenses are sold on an annual or permanent basis and include 1 Year Free support & upgrades; Network/Floating licenses are also available. The NI website includes Free Downloads, product reviews, online tutorials & demos, plus a 30 day guarantee of satisfaction on all products. This makes the buying experience easier, friendly and hassle free. Visit the Numerical Innovations website for further information about its products at www.numericalinnovations.com.

About Numerical Innovations

Numerical Innovations, LLC was founded based on the industry need for easy to use, aesthetically pleasing software tools that are clever and accurately facilitate electronic designs for manufacturing. Utilizing an advanced, proprietary C++ development platform called Universal Tool Platform (UTP) created in-house, along with their experience developing a wide variety of commercial and custom EDA tools; Numerical Innovations, LLC has been able to successfully enter the market with tools providing a common user interface (UI) model and Interoperability, which will continue to satisfy customer demand and gain the reputation of producing easy to use, high quality tools. To learn more about their products, visit www.numericalinnovations.com.

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