



## BluePrint-PCB

### A Comprehensive Solution to Create Electronic PCB Documentation

BluePrint-PCB is the most comprehensive BluePrint configuration available and meets all PCB documentation creation needs. This configuration contains everything BluePrint has to offer, excluding the Panel Tool Pallet and the PDF Interface.

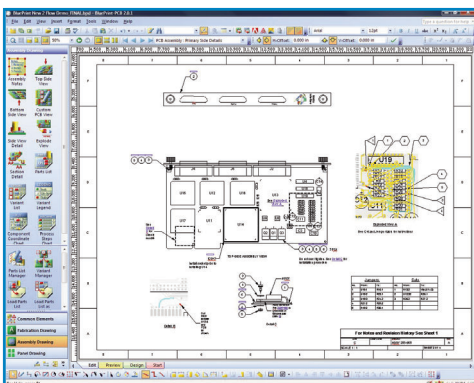
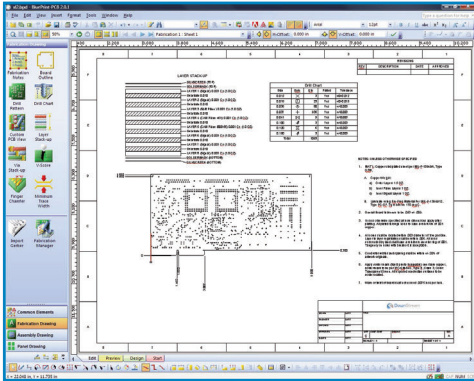
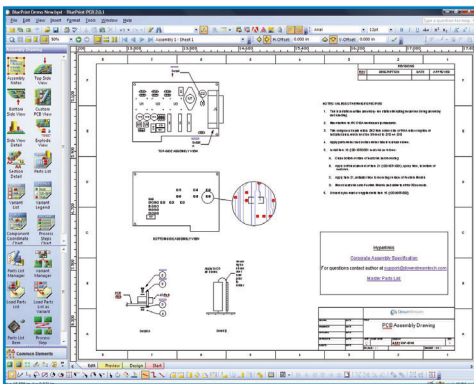
### BluePrint-PCB Features and Functionality:

BluePrint-PCB contains everything found in BluePrint Foundations (Fabrication Tool Pallet, Assembly Tool Pallet, Insert Object, and Web Publisher), plus the Advanced Feature Tool Kit, Assembly Drawing Tool Kit, DXF Interface, Import Gerber, Pack and Release, CSV/ODBC Interface, Advanced Customization Tool Kit, and, of course, a choice of one CAD Layout import option (PADS, Allegro, BoardStation, Expedition, Zuken, OrCAD, or Altium Designer).

BluePrint-PCB is powerful and feature rich:

- Use PCB CAD data to drive the documentation process
- Drag and drop automatic formatting of PCB views
- Imports DXF files for dragging and dropping mechanical hardware
- Gerber files can be imported and used on drawing sheets to document PCB artwork layers
- Inserts Gerber, DXF, PDF, JPEG, BMP, AVI, WAV
- Built in word processing with spell check
- Intelligent note blocks on multiple pages
- Hyperlink between notes, callouts, and details
- Automatic drill chart creation
- Support for drill tolerances
- Automatic layer stack up detail creation
- Unlimited PCB views on single sheet (top side, bottom side, inner layers)
- View assembly variances on Assembly drawing
- Fast and easy assembly reference designation placement
- Support for mechanical components in BOM
- No hiding and displaying of layers to produce documentation
- Real time viewing of PCB documentation (no output required)
- Compress drawings and files with an integrated viewer for sharing
- Import parts lists from Enterprise systems via CSV and ODBC formats
- Customize templates and automation to integrate with specific standards
- Export to HTML for web viewing
- Free BluePrint document viewer download

*With BluePrint, DownStream has revolutionized the way PCB Fabrication, Assembly, Panel and Rework documentation is created.*



## Data Importation

BluePrint uses PCB CAD data to drive the documentation process. Components, pins, assembly mounting sides, layers, vias, nets, assembly variants, part attributes, drill holes and symbols, are just a few of the data records that can be imported into BluePrint to accurately create PCB document elements.

Digital content such as JPEGs, BMPs, GIF, etc may be imported and used in the drawing. BluePrint also allows the importation and use of audio and video files to be imported and stored with the documentation package. The multi-media files may be linked within the documentation drawings.

Data from other Windows® applications can be imported and used in the BluePrint documentation package. BluePrint imports PDF, RS274X, DXF, XML, ODB++, JPEG, GIF, TIF, BMP. BluePrint's clipboard function also allows cutting and pasting with other applications including text and raster graphics.

All elements are added by dragging and dropping. All drawing elements: PCB Views, Charts, details, text boxes, note blocks, etc; are treated as elements on the drawing and can be quickly added and modified. Each element may be scaled, formatted, transformed (Rotated, mirrored, flipped, etc) independently of each other. There is no limit on the number of elements that can be placed on a drawing.

## Fabrication Tool Pallet

Consists of basic fabrication drawing elements and tools. Support for PCB Views, include board outline, drill pattern, drill chart - support for detail wizards include: layer stack-up; finger chamfer, minimum trace width, V-score.

## Assembly Tool Pallet

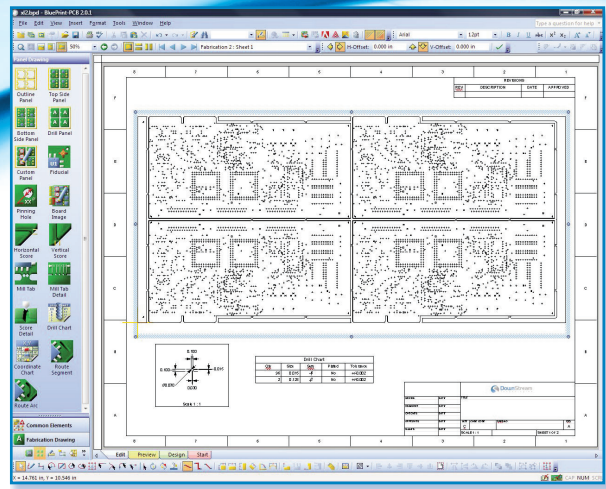
Consists of basic assembly drawing elements and tools. Support for PCB views include: top/bottom side, parts list manager, integral parts list and component coordinate chart.

## Insert Object

Allows the storage of external files within the BluePrint release package.

## Web Publisher

Allows for the creation of PCB release packages in HTML format.



## Advanced Feature Tool Kit

Adds additional functionality such as coordinate dimensions to the basic tool pallet and tool bar, BluePrint Reference Designator text box generator and blind buried via support in layer stack up, PCB views, and drill charts. Also enables search functionality.

## Assembly Drawing Tool Kit

Allows PCB views to be displayed by variant, variant manager, variant lists, variant status in parts list and variant legend. Allows parts list to be displayed by variant in parts list manager. Also enables the importation of variant lists via CSV format. Enables displaying of PCB Views by process step, process step manager, process step chart, display of process, steps in parts list manager. Enables side and sectional view wizards.

## DXF Interface

Import DXF files directly into BluePrint for dragging and dropping mechanical hardware onto drawing sheets along with PCB views.

## Import Gerber

Gerber files can be imported and used on drawing sheets to document PCB artwork layers.

## Pack and Release

Users can select drawings and files and compress them with an integrated viewer for use with users who may not have a BluePrint-Viewer or wish to install one.

## CSV/ODB Interface

Parts lists stored in Enterprise systems can be imported into BluePrint via CSV or ODBC formats. Upon completion of the documentation cycle, revised parts lists can then be exported through either format back to the Enterprise system.

## Advanced Customization Tool Kit

BluePrint's API and template architecture allows complete customization of templates and automation for integration with company specific standards.