BluePrint·PCB®

BluePrint-4-OrCAD®

Customized BluePrint for OrCAD Layout Users

The special BluePrint-4-OrCAD configuration was created specifically for OrCAD users and is packed with functionality to help you automate PCB documentation creation.

BluePrint-4-OrCAD Features and Functionality:

This BluePrint-4-OrCAD configuration is node locked and contains everything within BluePrint Foundations (Fabrication Tool Pallet, Assembly Tool Pallet, Insert Object, and Web Publisher), plus the Advanced Feature Tool Kit, Assembly Drawing Tool Kit, and, of course, OrCAD Import.

Unique features found in this configuration include:

- Drag and drop automatic formatting of PCB views
- Uses OrCAD ODB++ file for intelligent PCB view display
- 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)
- 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.

DownStream Technologies

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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 manger. Enables side and sectional view wizards.