DownStream BluePrint 6.5 Release Notes

Build: 1771
Date: 10/6/2021

What's New?

This document describes the new features, enhancements and defect fixes in this Release:

Release Summary

BluePrint 6.5 build 1771 includes defect fixes.

BluePrint 6.5 is an update to BluePrint 6.1 to include support for Rigid-Flex designs. The new product features are described later in this document. They include the ability to import Rigid Flex designs and to visualize and manage those new features in 2D and 3D. A number of templates have been added and modified to appropriately document Rigid-Flex designs. In addition, many customers reported defects and enhancements have been resolved.

Installation and Licensing

The installer for the client software (CAM350 14.5 and BluePrint 6.5) will create new folders and you can run both your previous release (CAM350 14.1 and BluePrint 6.1) and your new Release software side by side on the same PC if you wish.
For many users your installation should be as simple as this:

1. Run the installation executable
2. Choose “Install License File” to install your new License and/or License Manager.
    a. If you are an existing customer on maintenance, choose “Install license from media” to install your new license file.
    b. If you are a new user or your license is not found on media, get your new license from DownStream, copy it to your PC and then choose “browse to select” you license file.
3. Choose “Install DownStream Products” to install the new CAM350 14.5 and BluePrint 6.5 software on your PC.

If you are installing to a Virtual Machine or have any questions, reference our DownStream Installation Guide or contact us at support@downstreamtech.com.

Notice: Microsoft requires that all Microsoft components installed on a PC are of the “same bit”. Since BluePrint 6.x is 64 bit and installs Microsoft Access Database 2016 (64 bit) to query its database, MSOffice 64 bit is required on the same PC. The DownStream install now checks to see if MSOffice 32 bit is installed and warns the user if this is the case.

System Requirements

Your PC should meet or exceed the following requirements:

- OS: Windows 8.1, 10 (64 bit only)
- Processor: 2GHz or faster
- Memory: 8-16GB+
- Disk Space: 2GB available, SDD recommended
- Graphics: Discrete graphics card with on-board memory preferred (for best 3D performance)
- MSOffice 64 bit

Note: Please be aware that CAM350 14.5 and BluePrint 6.5 are 64 bit applications and will ONLY run on 64 bit Windows 8 and 10. DownStream has discontinued support of Windows 7.

Note: If you run Microsoft Office on the same PC as BluePrint then you must use a 64 bit version of Microsoft Office. Microsoft Office 32 bit will no longer run after BluePrint 6.x is installed. Microsoft requires that Microsoft Office components must be of the same "bitness" on a PC. BluePrint 6.x installs a Microsoft Office 64 bit component that will render Microsoft Office 32 bit inoperable.

BluePrint 6.5 New Functionality

- ✓ Import of ODB++ and IPC2581 Rigid-Flex design data
- ✓ Stack Up Visualizer updates to visualize and manage multiple stackups and zones and PCB Cores.
- ✓ Stack Up Visualizer updates to support PCB Core definitions and data passing using an IPC2581 Stack Up exchange format
- ✓ Stack Up Visualizer, Materials Editor enhancements to support new material layer types and PCB Core data passing using an IPC2581 Stack Up exchange format
- ✓ Embedded component import and visualization
- ✓ 3D Viewing of Rigid-Flex designs, embedded components, slots, cutouts and cavities
- ✓ New and modified features to support Rigid-Flex documentation:
  - Rigid-Flex Stack Up
  - 3D Rigid-Flex Stack Up
  - Side View
  - PCB Materials
- ✓ New backdrill template to correctly present stackups with backdrill overlays

BluePrint 6.5 New Feature Details

Import of ODB++ and IPC2581 Rigid-Flex design data

CAM350 and BluePrint use standard design formats, ODB++ and IPC2581, to import design data. The integrity of that design data for Rigid-Flex are dependent on the support within the format version and the writers of the data from CAD vendors such as Mentor, Cadence and Zuken. Below you will see which Rigid-Flex features are supported in CAM350 and BluePrint's import function. The ODB++ 8.1.2 format from Expedition is fully supported. IPC2581B format exported from Cadence, Zuken and any other vendor is partially supported. Design formats released before ODB++ 8.1.2 and IPC2581B do not support Rigid-Flex design features.

Note: IPC2581C, which is soon to be approved, provides full support for Rigid-Flex and will be supported in a future update to CAM350 14.5 and BluePrint 6.5.

- New Area Source from Supported Imports

Area Type	ODB++ Pre 8.0	Xpedition & DST ODB++ 8.1.2	Other IPC-2581 B	Zuken IPC-2581 B	Cadence & DST IPC-2581 B+ Rigid-Flex
Bend Area	N/A	X	Note 1	Note 1	Note 1
Flex Area	N/A	X	Note 1	Note 1	Note 1
Rigid Area	N/A	X	Note 1	Note 1	Note 1
Stiffener Area	N/A	X	N/A	N/A	DST export only
Stackup Zone Area	N/A	X	N/A	N/A	X
Layer Profiles	N/A	X	N/A	N/A	X
Embedded/Cavities	N/A	X	N/A	X	X

To Derive Areas:
Layer name:
"bend_area"; or
"flex_area"; or
"rigid_area"; AND
layerFunction type:
"DOCUMENT"
All shapes imported as their respective area types on their respective layers

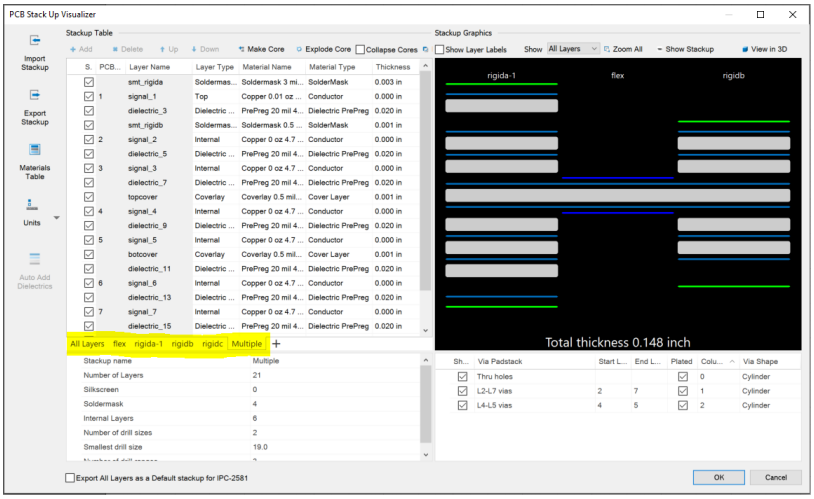
Notes:
1. Area Types not present in current 2581 exports. Areas are derived during import from layer name and layerFunction type
2. IPC-2581 B+ = rev b titled, but includes rev c rigid-flex constructs
3. PADS ASCII does not support rigid-flex or embedded/cavity constructs

SUV updates to multiple stackups and zones and PCB Cores

Import a Rigid-Flex design from a supported ODB++ or IPC2581B design file. Open the Stack Up Visualizer and notice enhancements:

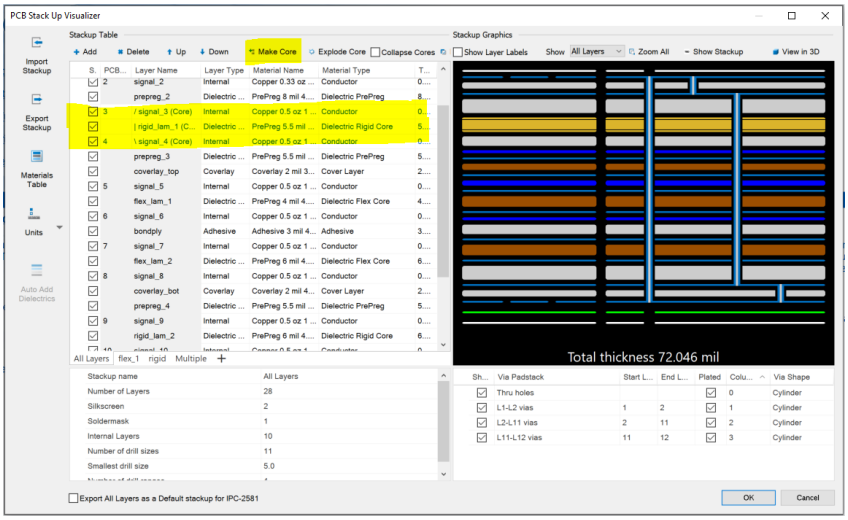
Multiple Stackups

All Stack Ups in the design will be listed as separate tabs at the bottom of the Stackup Table. When each stackup tab is selected, it is that stackup which is displayed in the Stackup Graphics. You can also select Multiple to visualize multiple stackups at once.



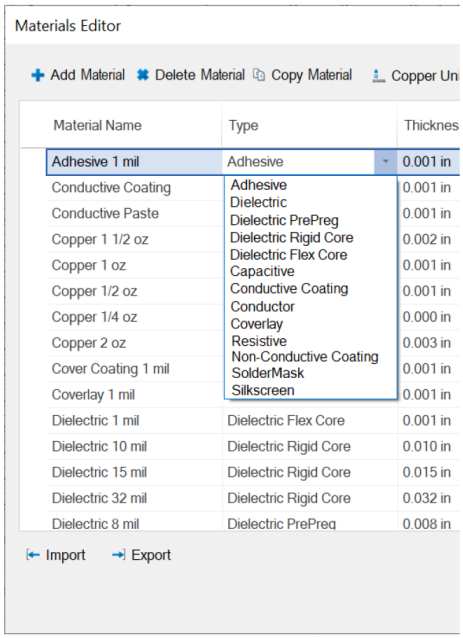
PCB Cores

A core is a common base material used in the fabrication of PCBs. It is commonly a double sided copper clad rigid or flexible material used to fabricate pairs of layers in a double or multi-layer PCB. You can now assign material types to layers and use the Make Core function to create a Core out of 2 or more layers. In the Stack Up Visualizer Core layers are compressed into a more Core-like appearance.

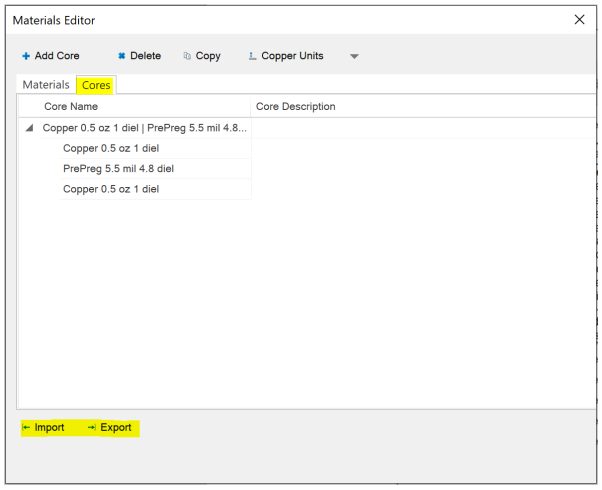


Stack Up Visualizer, Materials Editor enhancements

Stack Up Visualizer's Materials Editor has new material layer types defined for Rigid-Flex design:

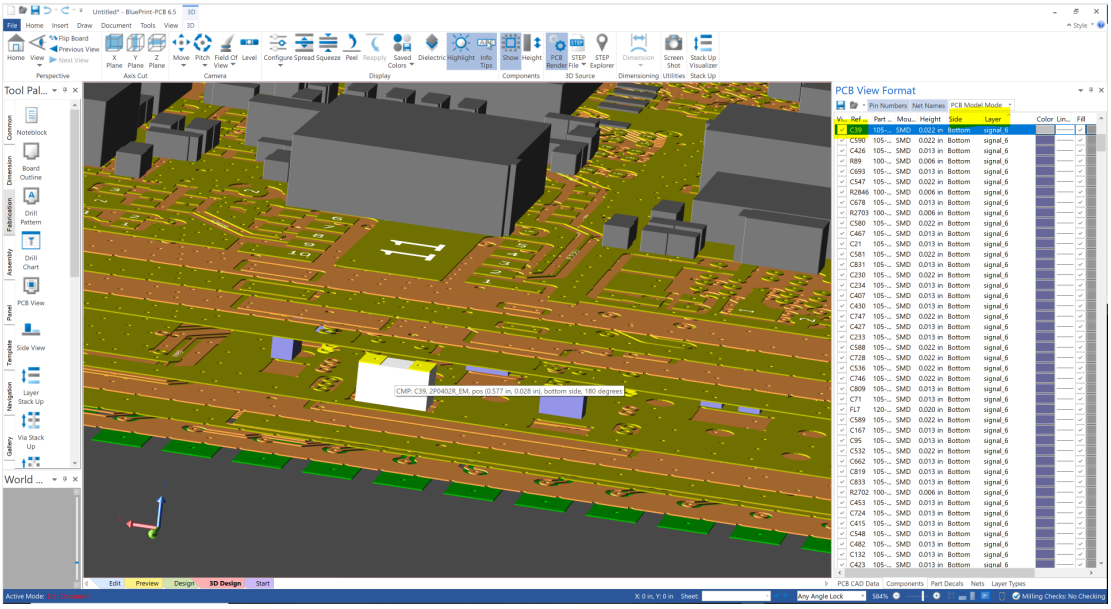


You can also define Cores in the Stack Up Visualizer, save them to your Materials Table and then export those Cores to a standard IPC2581 file to share with other users so that they don't need to recreate that Core. The user can instead import your Core and add that Core to their Material Table. Stack Up Exchange is implemented on the Cores tab of the Materials Editor:

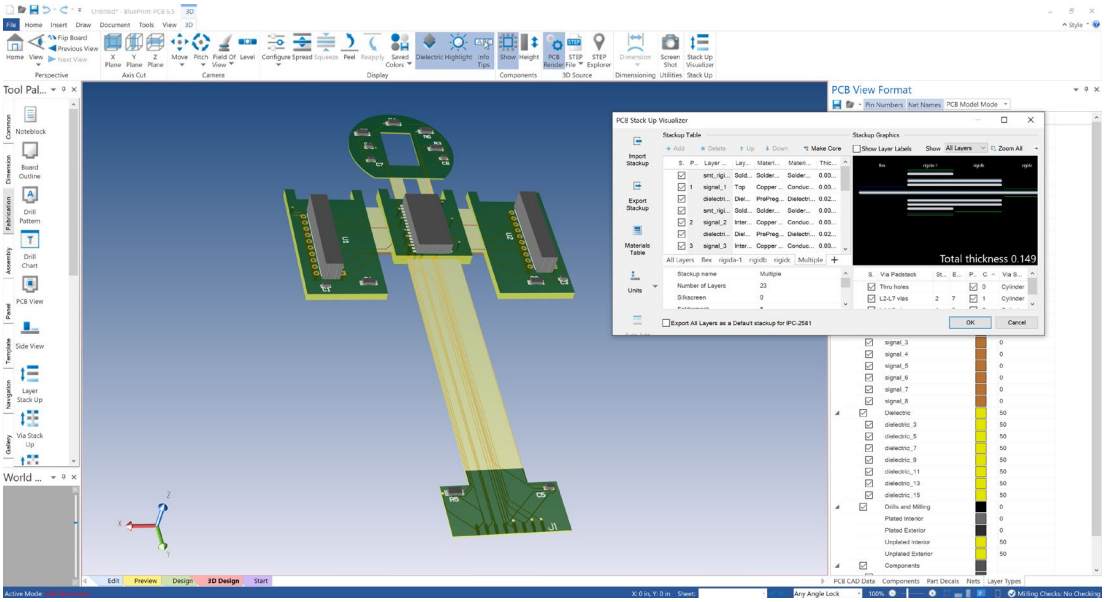


3D Viewing of Rigid-Flex designs, embedded components, slots, cutouts and cavaties

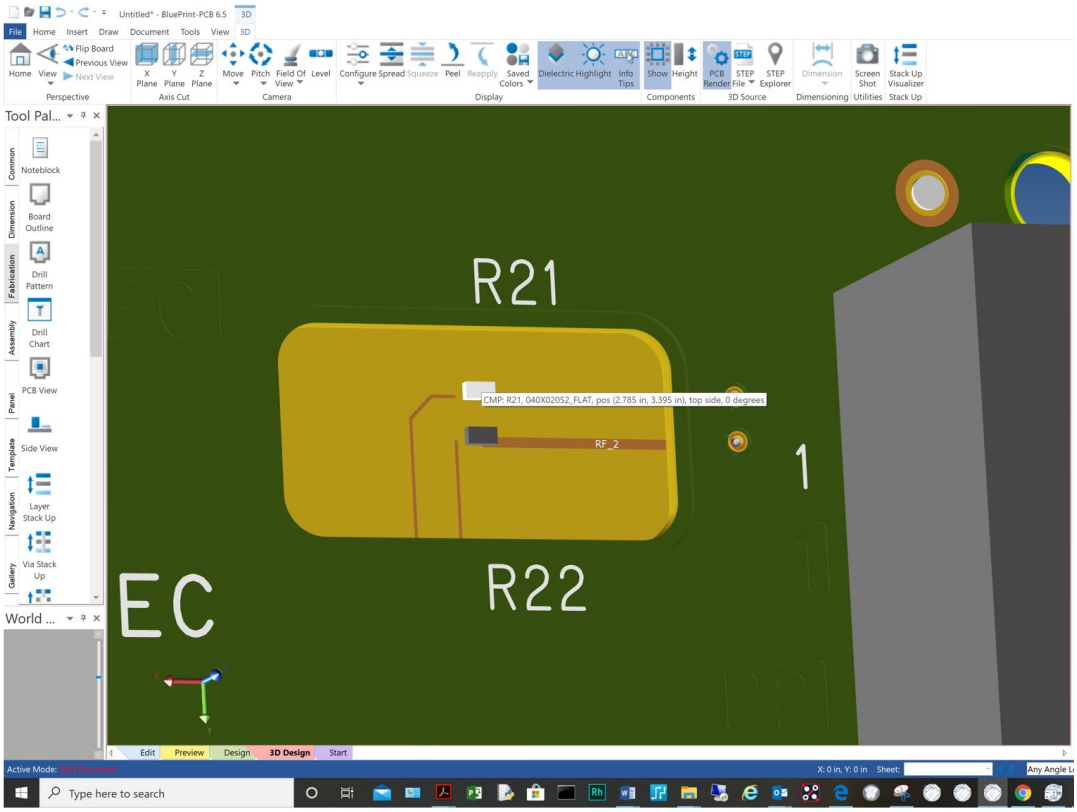
The 3D View of imported design data has been enhanced to properly display Rigid-Flex designs, embedded components, slots, cutouts and cavities. The first image below shows that embedded components are now recognized and displayed on the correct inner layer. The components tab displays the Layer for each component and the mounting Side. In this 12 layer example, component C39 is mounted on the Bottom side of Layer 6.



The second example is a Rigid-Flex design with 4 stackups, each displayed with appropriate layers and thickness. There is also a cutout at the top of the board, displayed with appropriate depth and definition through all copper and dielectric layers.



This third image is an example of an embedded component in a cavity:

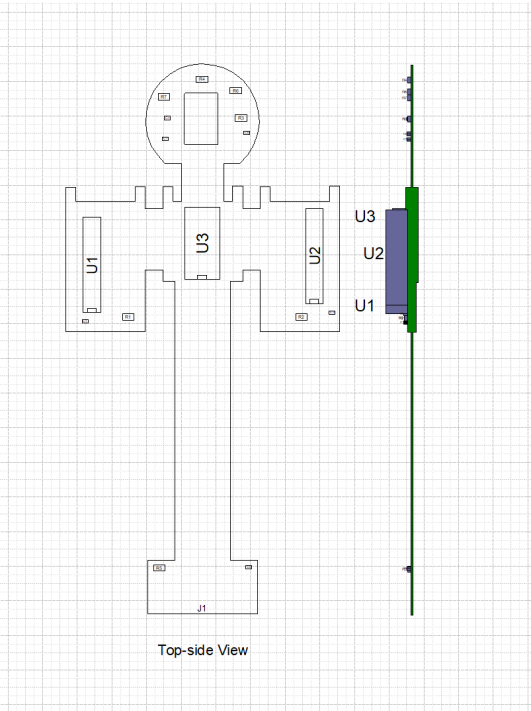


New and modified features to support Rigid-Flex documentation

Several enhancements were made to BluePrint so that it can be used to create Rigid-Flex documentation:

Side View enhancement

The board shape in a side view has been updated to represent the actual thickness of each rigid, flex and rigid-flex section. Components and their heights are shown on the layer and stackup zone where they have been placed.



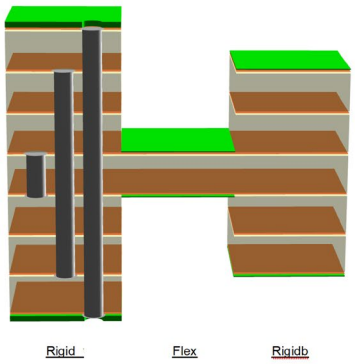
PCB Materials drawing element

The Fabrication palette now contains a new PCB Materials drawing element which is populated by a new LayerMaterials data table. The PCB Materials table is a BOM that itemizes the PCB material needed to manufacture the design. If Material is modified or added in the SUV Material Editor, those changes are propagated to the new LayerMaterials data table and to any PCB Materials table on a document sheet.

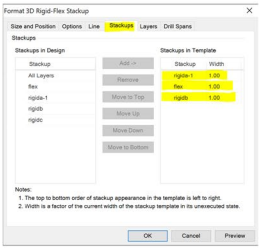
PCB Materials Table		
Material Name	**Material Type**	**Qty**
Copper 0 oz 1 diel	Conductor	1
Copper 0 oz 4.7 diel	Conductor	4
Copper 0.01 oz 1 diel	Conductor	1
Copper 0 oz 4.7 diel | PrePreg	Conductor, Dielectric PrePreg,	1
Coverlay 0.5 mil 3.3 diel	Cover Layer	2
PrePreg 20 mil 4.7 diel	Dielectric PrePreg	6
Silkscreen White	Silkscreen	AR
Soldermask 0.5 mil 3.3 diel	SolderMask	AR
Soldermask 3 mil 1 diel	SolderMask	AR

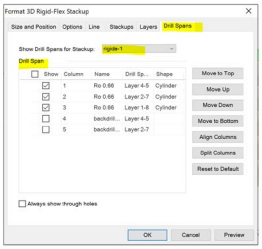
New 3D Multi Stack Up drawing element

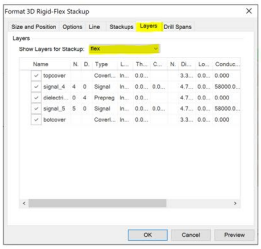
The Fabrication palette now contains a new 3D Rigid-Flex Stack Up drawing element. You can control which stack ups to display, the stackup order and the relative width of each stack up. You can also control the layers to display in each stack up and the drills that may exist in the design. In the example below, the design has 4 stack ups. The example displays 3 of the stack ups, in a specific order, and with drill display turned off in all, but the left most stack up.



3D Rigid-Flex Stackup

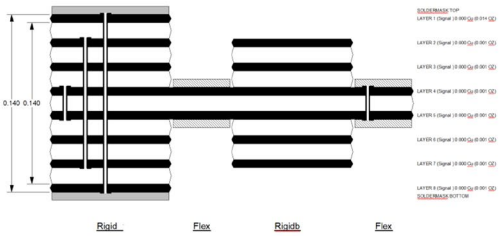




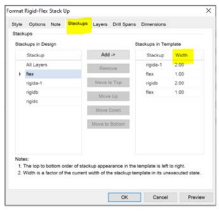


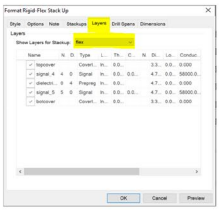
New Rigid-Flex Stack Up drawing element

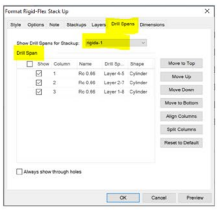
The Fabrication palette now contains a new Rigid-Flex Stack Up drawing element. You can control which stack ups to display, the stackup order and the relative width of each stack up. You can also control the layers to display in each stack up and the drills that may exist in the design. Finally, there is an option to display Board Thickness and Dielectric Thickness dimensions. In the example below, the design has 4 stack ups. The example displays 2 different rigid stackups and the same flex stackup twice (one between the rigids and a second after the rigids). The Flex Stack ups are set to a relative width of ½ the rigid stack ups. Drills are displayed in the first stack up in the order and in the last stackup. Both dimensions are displayed.

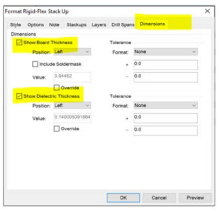


Rigid-Flex Stack-up Template

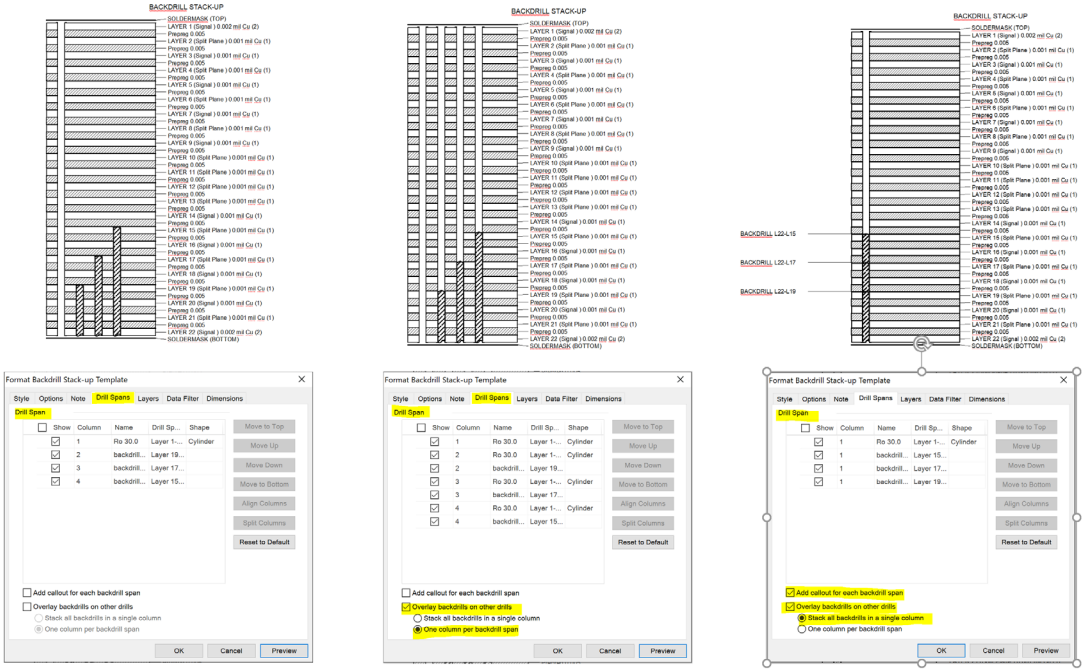








New backdrill template to correctly present stackups with backdrill overlays
The Backdrill template has been enhanced to allow users to display backdrills overlayed on a drill. The Backdrill template also now “auto-sizes” it’s width to fit multiple drill columns.



BluePrint 6.5 Issues Resolved

BluePrint 6.5 build 1771

Defect ID	Description
57902	Board Outline Clipping for overhanging comp outlines does not work for this database
66275	Terminators for Ref Des leader lines are “off center” of component because of comp outline elements outside main comp outline
66338	Version 6.x incorrectly identifies certain drills as PLATED when they should be UNPLATED
66628	Export to PDF incorrectly displays profiles in PDF even if profiles not displayed in PCB view
66948	Ref Des creation/placement for component outlines with chamfers incorrect
67163	IPC2581 Extraction script – Silkscreen layers are exported as Graphic layers due to a layer mapping table change in Allegro
67249	Doc Wizard launched from Allegro does not complete
67630	Reference Designators are not maintaining Right Readable when Apply to All command is used
67800	Plated status is incorrect for Allegro ODB++ import
67801	After ODB++ import, saved DPD file cannot be opened
67802	After ODB++ import, cannot snap to unplated drills
67866	Import Altium ODB++ - not all pins are associated with components and pin numbers are incorrect for this design
68202	Variants from this PADS ASCII file do not populate templates due to undocumented system attributes
68752	PDF Export does not complete on this design
69042	PCB View Template – first layer visibility settings are incorrect by default

BluePrint 6.5 Issues Resolved

BluePrint 6.5 build 1762

Defect ID	Description
67676	Miscl references in “Recent Files” when importing
67618	Pin 1 marking incorrect for this design
67535	PDF Export fills drills that should not be
67444	Extra license incorrectly checked out when launching second instance on same PC
67407	Angled entry mill tab is placed differently using ODB++ vs IPC2581 design data
67367	PADS import – drill letter size incorrect
67363	Gallery Preview incorrectly displayes refdes for customized pcb view template
67362	Customized PCB View saved to Gallery and placed on sheet executes ref des and leader lines incorrectly
67325	PCB View customized and saved to Gallery as template does not work
67324	Side View dimension does not follow Fabrication Manager setting for this design
67321	Side View with IPC2581 Rigid only design incorrectly displays profiles
67137	PADS Import – incorrect rounded rectangle aperatures
67132	Copying-Pasting a WAN path for ASCII Files in Allegro import fails
67048	Format a comp in PCB View and “Apply to All” incorrectly makes non-visible parts visible
66987	PADS import - Missing vias for this ASCII design file
66950	Incorrect component widths after ODB++ import with .OUT files
66823	Allegro ODB++ import – this design fails to import
66811	PADS Import – comp outline and pin text on incorrect layers after import
66775	Import option “uppercase” causes incorrect placement of layer stackup dimension
66766	Enhancement to layer stackup dimension placement
66620	Change Component Outline Width not working

66338	Unplated drills incorrectly identified as plated after import
66149	PDF Export creates fills on circles with no fill
66148	DXF import failure of Japanese/Chinese text
59226	API Enhancement to add more Dimension capabilities

BluePrint 6.5 build 1753

Defect ID	Description
66603	Xpedition ODB++ import issue for this 1 electrical layer design
66602	Altium ODB++ import results in incorrect contour knockouts
66230	ODB++ design import results in poorly segmented circles in display and in Printed output
66223	Rectangular component apertures incorrectly export to PDF as circles for this design
66157	Issue converting this imported PDF
66145	ODB++ import fails because component has REFDES attribute that conflicts with the BluePrint system attribute
66144	BluePrint does not read Device Name correctly after import of this PADS ascii design
66141	PADS ASCII has graphics assign to “All Layers” that are not visible on all layers after import
66113	Component fill incorrectly fills component pins when fill applied to component with only 2 sides defined and is not a closed polygon

BluePrint 6.5 build 1748

Defect ID	Description
65882	Cadence DRILL_SIZE attribute not read
65523	PADS ASCII import issue
65284	Exploded View does not display ref des when “magnified text” option is off
65273	Internal cutouts not displaying after import
65069	PADS ASCII file won’t import pins with donut shape aperatures
65043	Milled cutouts missing after ODB++ import
64817	API Performance improvement for collecting drills and components based on filters
64775	Duplicate Sheet causes Lock Position to be unchecked
64631	Issue after importing board outline with arcs
64595	Enhancement to save Fab Manager “symbol size” settings in profile
64488	PADS ASCII import – Device Name not set
64442	Enhancement to ref des generation and formatting
64434	Improvements to APPLY FORMAT command for part attributes
63981	For this document, setting “Limit PCB View extents to board outline” causes mill tabs in panel to move
63822	Components with graphics on top and bottom do not display properly
59226	API enhancement to cover more dimension capabilities
New	API enhancement for working with Adaptive Templates

BluePrint 6.1 Issues Resolved

BluePrint 6.1 build 1590

Defect ID	Description
65426	PADS ASCII fails 6.1 import
65408	Altium ODB++ import fails when component part names include “=”
65284	Exploded view does not show ref des when display magnified text option is off
65274	Cannot set colors for components in side view for this des
65174	ODB++ Import failure
65173	Micro symbol “µ” not recognized from ODB++ file
65129	Fab Mgr - Drill Table - Save to Profile does not save Symbol Sizes
65126	PADS ASCII import failure
64689	Format Drill Pattern - PCB CAD Data - Advanced = Failure on this BPD file
64618	Component outline that is not closed will not fill with color (process step or add fill)
64607	Changing Drill pattern letter size resizes canvas and moves design
64595	Profile (.BPP) should store Drill Pattern and Drill Chart Symbol Sizes
64423	Ref des only show for some of the boards in a panel
64405	Performance improvements when importing variants
64220	Incorrect drills hierarchy in Drill Chart Format Dialog when a new attribute is added to Tool Type
63708	Snapping improvements when pcb objects not displayed
63634	Ensure DPD files created in CAM350 load into BluePrint
63567	Format-Pad not available in 6.1 for this design

BluePrint 6.1 build 1581

Defect ID	Description
64413	IPC2581 import incorrectly imports donut apertures
64407	Crash placing scrollable parts list
64242	Fab Manager will not separate holes with different tolerances
64218	Dimension formatting to suppress leading/trailing zeros does not work in stackups with board thickness
64217	PADS ASCII import - soldermask layer is not imported
64215	Component with SMT pads on opposite mount side are incorrectly displayed
64214	Crash when placing board side view for this design
64116	Allegro ODB++ import does not use the Options Part Name mapping settings
63887	When table causes a new sheet to be inserted not all default nomenclature settings are followed
63231	Thru hole component pins do not display in this design

BluePrint 6.1 build 1576

Defect ID	Description
63975	Blind vias are shown as through holes in this ipc-2581
63964	Layer spans are incorrect for some backdrills after loading this ipc-2581 rev. b file
63938	BluePrint Viewer path is wrong in Start menu
63754	Layer Mapping improvement for ECO and Startup files
63716	Xpedition ODB++ import – Enhancement to retain PCB RefDes
63710	Refresh of this PADS database crashes BluePrint
63707	Drills are shifted in Exploded Views for this design
63695	Silkscreen is oversized and blocky compared to 5.2
63658	ODB++ import – rectangular pads in component outline graphics are not rotated properly
63650	Panel – Island not removed during merge
63629	IPC2581 RevA–padstack cooper is incorrectly offset
63628	IPC2581 RevA–Layer Names and Attrs do not match 5.2
63595	Slots are drawn as symbols instead of drill holes
63588	ODB++ import – plating and tolerance incorrect
63586	Improve fill of non-closed component outlines
63529	Variant color not updating correctly after ECO
63527	PCB view rotation does not rotate all features
63516, 63704	CAD Layer Order visibility is not retained in PCB View
63495	Part of Variant definition lost after opening this 5.2 BPD
63459	Backdrills stackup incorrect after opening this 5.2 BPD
63458	Backdrills in Drill Pattern Format dialog lost after opening this 5.2 BPD
63336	Some pads are unfilled after import of IPC2581 RevA
63321	Parts List position moves after execution
63330	Print to PDF problems with polarity markings this doc
63329	PDF EXPORT has problems with polarity markings
63058	Repeatable crash on formatting Detail template
62839	PDF Export and Print to PDF drops fills
62718	Odb++ crashes 6.1, loads into 5.2

62529	Enhancement to enable Group select on the Parts List Manager Imported and User data pages
63938	BluePrint Viewer path is wrong in Start menu
63055	Product Selection dialog - hitting CANCEL causes BluePrint to crash
62529	Group select and <Operation> should be supported in all BP system dialogues and tables
62527	Templates linked to USER DEFINED DATA TABLES should auto update upon re-import of data (as system templates do upon re-import of design data, parts list data etc)
59456	If one DUPLICATES a sheet, no auto-nomenclature should be added (as setup in OPTIONS)

BluePrint 6.1 build 1570

Defect ID	Description
63056	Tooltip/snapping not working on lines outside board
63003	Component flipped after import of this IPC2581 design
62985	Highlight of component pad displayed at incorrect rotation for this design
62984	Link window does not display component outlines when using this startup file
62920	Registration vias displaying incorrectly for this design
62914	Top Side component pads displayed incorrectly when open this BPD file in 6.x
62913	Document Variable Manager – Edit dialog – can cause corrupted variable values
62887	Redraw performance regression from 5.2 after changing symbol in Fabrication Manager
62885	ECO update, which changes layer order, can change PCB View visibility settings on existing documents
62871	Cannot enter rotation in the Format dialog for a drawing element
62844	Pad visibility settings incorrect after ECO of this BPD
62843	Missing comp outlines after import this IPC2581 design
62842	Incorrect display of “pads and vias” not assoc with comp
62827	Slots missing after import of this PADS ASCII design
62821	Cursor over comp does not highlight or display tooltip after import of these ODB++ design files
62771	Enhancement to allow Magnify Views to be projected onto other drawing sheets
62766	Undo crash working in parts list table
62753	After import missing some layers, components and pins
62744	Part rotation incorrect in component coordinate chart
62700	Cannot snap consistently to part center
62635	DXF import - Comp with arc displayed incorrectly
62628	For scaled PCB view, wrong scale applied after Format
62564	Enhancement to insert new sheets contiguously when expanding parts list
62356	Undo of data source on Drill Chart leads to crash

61878	Enhancement to add lower case drill symbols

BluePrint 6.1 build 1557

Defect ID	Description
62393	File – Export – PDF/DXF color issues with Side Views
62370	3D window loses focus after these steps
62307	Panel template is incorrect after importing this ODB++
62305	File – Import – ODB++ of Panel = Crash on these files
62231	Search for overlapping ref des incorrect on this file
62186	File – Import – PADS ASCII – cir board outlines incorrect
62185	Installation improvement to detect incompatibility with MSOffice 32 bit
62154	Enh to display pads only for uninstalled Variant parts
62045	Enhancement to increase space for display in the PCB View Format pane (removed “Appearance” section)
62022	Performance improvement for “merge routes” in panel
62018	3D PCB View drills missing from this file
62008	File – Print in Design view not working
61908	Cannot snap to custom pin outside board outline
61880	“Link window” now remembers last size setting
61633	Hatched area outline missing in exported pdf
61575	Dimensions unassociated when opening this 5.2 file
61468	Enhancement to tooltip sensitivity
61401	Enhancement adding OVAL shape to callout balloons
61332	Dimensions not snapping to circular cutouts in board
61126	Dimension snapping not working with copper
61081	Copper shapes not displayed with correct size
60971	Enh to import Cadence Drill Tool size in IPC2581
60619	Undo – side view = Crash for this file
59258	Trim tool hangs when doc has many line segments
59065	Format Text Box – Text Box tab – Text under vertical alignment graphics “cut off”

BluePrint 6.1 build 1544

Defect ID	Description
61769, 61684	Undo defect fixes
61723	Ability to create and save Mill Tab to gallery
61722	Startup file issue
61695	Crash when setting board image rotation in Panel Editor
61535	Enh to display 3D image in PCB Model mode (realistic) colors or Design mode colors (same as 2D view)
61485	Online Help search not working
61473	Document file will not save after these steps
61467	Enhancement to add Publish to Web functionality
61251	Copy a PCB View in BluePrint to Microsoft Word
61222	Enhancement to show drills in board more realistically
61146	How to define new fiducial size
61132	Issue translating Blueprint 5.2 database to 6.0
61251	Copy a PCB View in BluePrint to Microsoft Word
60885	Mill tab perforation issues on curved board outlines
60882	Installation improvement when missing MS Access DB
60841	Exploded view should not display pin numbers and net names automatically
60828	Improved moving Panel Origin back to original location
60723	Issue when copying and pasting 2 PCB Views
60618	Export PDF issue – board cutouts missing in PDF
60831	Issue after deleting segment of polyline
59476	Perf when importing Variant with a large number of parts
61158	Not all part attributes available to Callout link
61913	Drill Chart Auto-Size settings do not work
61570	Long delay after PCB View Format – Cancel this design
61187	Variant List doesn’t display correct User Data quantities
61671	Visual queue to delineate Edit 3D PCB from 3D Design
61357	ECO perf improved on doc with many variants and parts

BluePrint 6.0 build 1501

Defect ID	Description
61157	Callout will not populate value when linked to user parts list attribute
60981	Unplated Drills not showing up in Drill Pattern
60958	Export PDF results in unwanted artifacts for this design with arcs. Print to PDF for this design incomplete
60916	IPC2581 Import – mounting holes without part names incorrectly assigned
60884	Panel Formatting on this BPD causes crash
60883	Component outlines not visible in Edit Panel mode
60860	Pads incorrectly display in Assembly view for this BPD
60565	Microsoft IME Japanese cannot enter correctly with roman character input
59476	Import – Variant performance improved for designs with a large number of parts

BluePrint 6.0 build 1496

Defect ID	Description
60697	Component Outline missing in this document
60609	Ref Des shifts after opening this BPD file in 6.0
60661	Data table missing “Material” field after design data import
60738	Drills displayed incorrectly in rotated PCB View
60699	Copper and Component fill displayed incorrectly on this design
60642	Design View is missing layers in layers tab after steps
60632	Color lost in exported PDF PCB View
60657	Crash selecting net in PCB View Format Pane
60544	Pin 1 markers not exported to PDF
60622	Drill plating status incorrect after design data import
57597	Incorrect thermal pads for inner layers after PADS import
60698	Crash zooming into PCB View on this design
60634	Process Step not displaying pins on parts
60804	Print to Adobe PDF results in incorrect PCB Views
60809	Export to PDF and DXF on Tools ribbon does not work
60610	Problem with 5.2 BPD to 6.0 DPD conversion resulting with blue highlighted component outlines
60722	Incorrect sizing of part with arc when highlighting
59753	BluePrint API enhancement – ApplicationOptions settings for DXF ExportOptions
59752	BluePrint API enhancement – PCBViewFilterLayer display order and CAD data type display order
59769	BluePrint API enhancement – PCBViewFilterLayer settings for FillPatterns
59868	BluePrint API enhancement – Added Drills.MaxPCBLayerCount field
59869	BluePrint API enhancement – duplicate drawing

BluePrint 6.0 build 1491

Defect ID	Description
60551	Drill slots are positioned incorrectly in this design
58749	Licensing timeout problems with certain configurations
60036	Setting the caption in a 3D Stack up does not work
60037	The caption location is incorrect when the 3D Stack up is repositioned
60593	Help topic “About Customization” links to “Using Templates” and “Using BluePrint’s Automation API” are not active
60146	Exploded view on Panel displays ref des when ref des are not displayed in Panel
60516	BluePrint Viewer Help does not invoke from File – Help ribbon menu
60515	Partial drills not displaying correctly in this older drill panel template after import of design data
59302	Fill tool incorrectly recognizes Group origin when applying fill
58948	Export DXF failure on this BluePrint document
60506	Fabrication Manager changes not displayed when Preview selected
59960	Issue clipping PCB View to parts and exporting to PDF
60407	3D display appears elongated after a combination of “zooming” and “field of view” changes
60517	3D PCB View no longer displays after viewing imported STEP file in 3D Design window and switching back to “PCB Render”
60600	File – Save failure after opening .BPD file and then saving to the same file name and folder as .DPD file
60598	ECO of Expedition ODB++ design data into existing BluePrint 5.2 document displays PCB Views incorrectly with missing component outlines
60583	Arc inverted on PDF Export for this document

BluePrint 6.0 build 1485

Defect ID	Description
59985	Unable to import this customer IPC2581 file
59874	Error when attempting to add a new spell checker dictionary
59767	Copper weight for .attr file in microns when units=MM
59837	DXF import fails on this customer file
59629	Dimension font incorrectly changes after reopen of this customer document
59768	PCB Views cannot be scaled more than 20x
59961	Import of this ODB++ file is dropping components
59512	Stack up “dual dimension” value is being displayed incorrectly for this design
55547	Enhancement requested to tab through table cells
57151	Expedition ODB++ import memory limit error on this design
53327	Enhancement to table editing
59960	Issue clipping PCB View to parts and exporting to PDF
59213	Error opening document with very small exploded views
60272	Panel display issues with this very small design due to rounding calculations
60290	Imported STEP Model PCB attributes different in exported 3DPDF then in BluePrint
60479	Cannot add webroute for board profile with arcs

How to Contact Us

Please send any defects, feedback or questions to blueprint@downstreamtech.com.

Defects: Please include a detailed description with steps on how to reproduce the defect and attach any media necessary to reproduce the issue.

Feedback: If you have feedback for us about what we could improve or add to the product, even if not a defect, we still want to hear from you. Please send description.

Questions: If you have any questions about the Release software, please contact us through blueprint@downstreamtech.com or support@downstreamtech.com.

Patents, Copyrights, and Trademarks

Patents

"AUTOMATED PCB MANUFACTURING DOCUMENTATION RELEASE PACKAGE SYSTEM AND METHOD", United States Patent No. 7,409,666 B2

"ADAPTIVE TEMPLATE SYSTEM FOR AN AUTOMATED PCB MANUFACTURING RELEASE PACKAGE SYSTEM", United States Patent No. 8,875,072 B2

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