

DownStream BluePrint 6.6 Release Notes

Build: 1876

Date: 1/10/2023

What's New?

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

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Release Summary

BluePrint 6.6 build 1876 is an update release which includes customer defect fixes and enhancements.

BluePrint 6.6 is a major update. It includes support for OpenGL hardware acceleration, panel data translation to CAM350, Net Bridge support and expanded Rigid-Flex Layer type support.

Installation and Licensing

The installer for the client software (CAM350 14.6 and BluePrint 6.6) will create new folders and you can run both your previous release (CAM350 14.5 and BluePrint 6.5) and your new Release software side by side on the same PC if you wish. There is a new 14.6-6.6 License Manager and License that must be installed. This new License Manager and License will run your 14.6-6.6 software as well as previous releases (ie CAM350 14.5, 4.1 and 12.2).

For many users your installation should be as simple as this:

1. Run the installation executable
2. Choose “Install or Update Licensing” to install your new License Manager and License File.
 - 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 find License File”.
3. Choose “Install DownStream Products” to install the new CAM350 14.6 and BluePrint 6.6 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, SSD recommended
- Graphics: Discrete graphics card with on-board memory preferred (for best 3D performance)
- MSOffice 64 bit

Note: Please be aware that CAM350 14.6 and BluePrint 6.6 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 6.6 New Functionality

- ✓ Support for OpenGL Graphics Acceleration
- ✓ BluePrint Panel Translation to CAM350
- ✓ Net Bridge Support
- ✓ Expanded Support for Rigid-Flex Layer Types

BluePrint 6.6 New Feature Details

Support for OpenGL Graphics Acceleration

By default, BluePrint's "Use Hardware Acceleration" option is enabled and this option tells BluePrint to display 2D graphics using the industry standard OpenGL interface. OpenGL is a cross-language, cross-platform, application programming interface for rendering 2D graphics and takes advantage of the graphics card or GPU in your PC. Adding a faster graphics card will almost always result in faster graphics display for BluePrint.

When BluePrint's "Use Hardware Acceleration" option is disabled, BluePrint will display 2D graphics using Windows GDI interface (Graphics Device Interface). On occasion, you may install BluePrint on a PC that does not have a graphics card or processor that supports an OpenGL device driver. BluePrint's GDI implementation is a full 2D display implementation. There will be no loss of functionality. However, Windows GDI does not leverage the faster graphics processor hardware as OpenGL does.

BluePrint will determine if your PC supports OpenGL when it is invoked. If OpenGL is not available on your PC, BluePrint will automatically disable the "Use Hardware Acceleration" option and disable the setting. Here are a few known compatibility issues:

- **Unsupported Graphics Device or Driver.** The graphics device or its current device driver on your system does not support OpenGL. Consult the graphic device documentation for details on support of OpenGL. A correction may be to locate and update the driver for the device.
- **VMs do not support Hardware Acceleration.** DownStream products can be run on a Virtual Machine. The majority of VMs do not support hardware

acceleration. Consult your VM documentation for details on supporting hardware acceleration.

To Enable/Disable the Use Hardware Acceleration Option:

1. On the Home ribbon, select Options. The Options dialog will appear.
2. Select Environment - General.
3. Enable or Disable the Use Hardware Acceleration option.

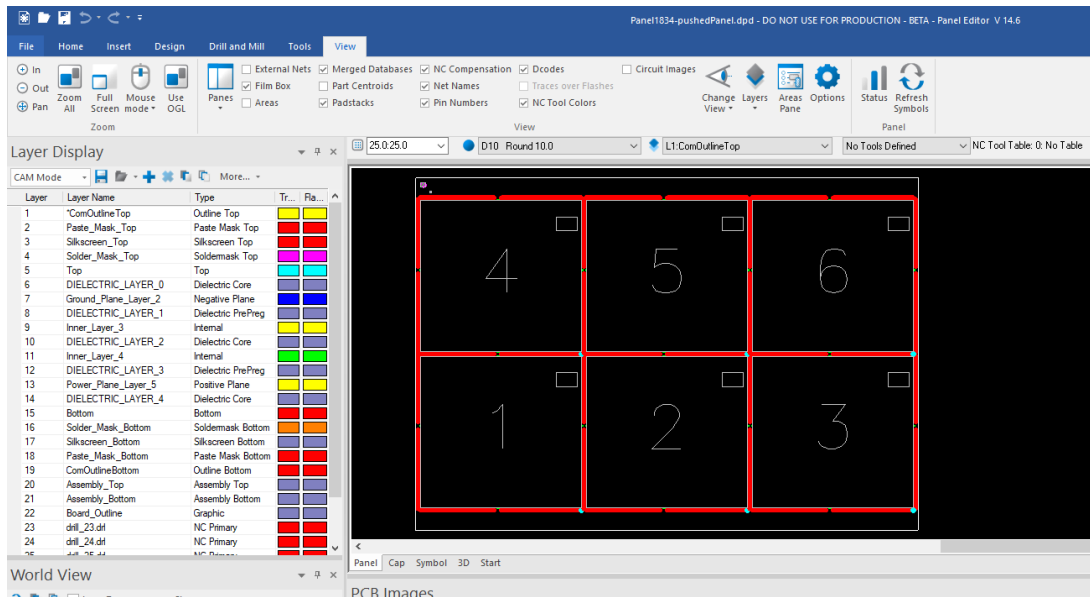
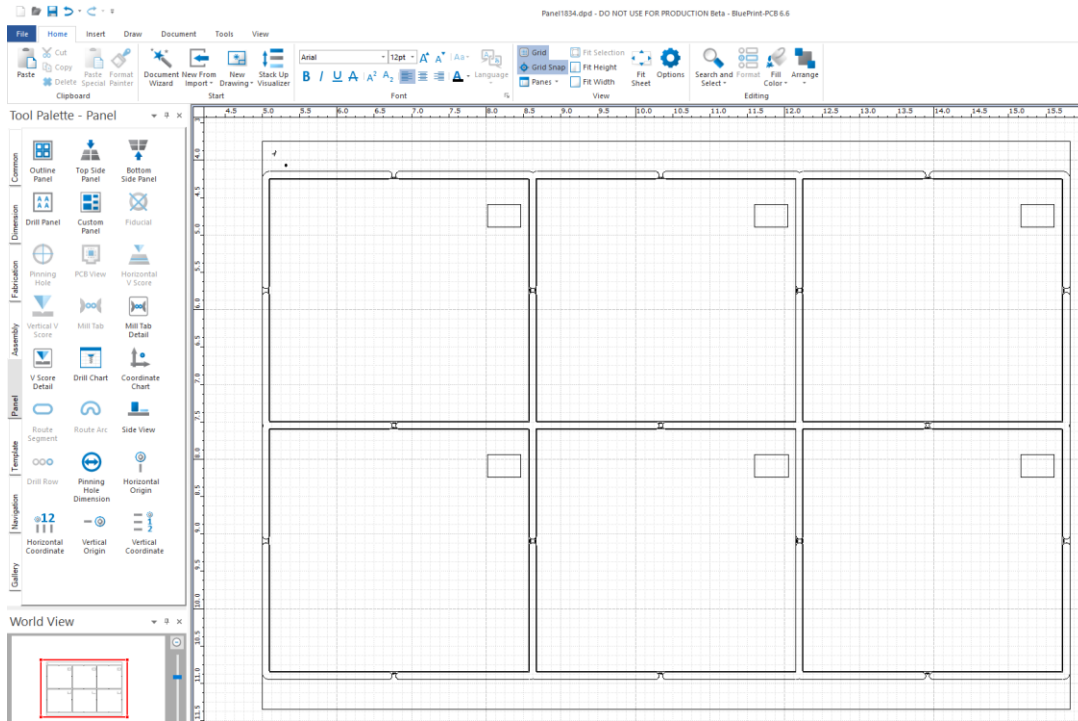
BluePrint Panel Translation to CAM350

The Panel Drawing elements in BluePrint allow the user to design and document Assembly Panels using advanced features like step and repeat definition, merge web routes and mill tabs. The CAM350 Panel Editor and NC Editor allow the user to define the Assembly Panel using image step and repeat definitions and detailed NC instructions for panel creation. Now BluePrint supports translation from BluePrint Panel Drawing elements into CAM350 detailed Panel step definitions and detailed NC instructions. With the ease of use features in BluePrint Panel creation, users can set up an Assembly Panel in BluePrint and then faithfully translate the Panel Drawing to CAM350 Panel definitions, including step and repeat patterns and NC elements.

To Save BluePrint Panel definitions As CAM350 Panel

1. Create BluePrint Panel(s)
2. Select the Panel that you want to save as a CAM350 Panel
3. Select "Overwrite CAM350 Panel" from the context menu (RMB)
4. A message will appear warning you that any panel definition you may have created in CAM350 will be overwritten by the BluePrint Panel definition. Select OK to continue.
5. Save the DPD file in BluePrint and then open the DPD file in CAM350. You will see the BluePrint Panel definition in the CAM350 Panel Editor.

Note: The following BluePrint Panel data will be converted to CAM350: Panel Size, Panel Array, Fiducials, Pinning Holes, Mill Tabs and Webroutes. The following BluePrint Panel data are NOT fully converted to CAM350: Panel Chamfers, Score Lines, Drill Rows. Score Lines will be converted to lines (with no formatting) in CAM350 and placed on a new "ScoreLinesGraphic" layer. BluePrint Drill rows are converted to drills in CAM350 and placed on a new "PanelDrills" NC layer. BluePrint Panel webroutes are converted to webroutes in CAM350 and placed on a new "PanelWebRoutes" NC Layer.



Net Bridge Support

Net Bridges are used to identify design elements where intentional shorts are present in PCB designs. Net Bridge support in BluePrint includes Net Bridge import and export and a new Net Bridge table template. Use the Net Bridge table template to document Net Bridges present in the current design.

Note: As of the CAM350 14.6 release, Net Bridge definition is written to ODB++ from Mentor Xpedition and IPC-2581 Revision C from Cadence Allegro. PADS Layout Net Bridges in PADS ASCII format is NOT supported by BluePrint.

Expanded Support for Rigid-Flex Layer Types

Further expansion of our support of Rigid-Flex design data includes support for Conductive Foil, Conductive Film and Dielectric Bondply layer types commonly assigned in PCB CAD systems. IPC-2581 and ODB++ interfaces were updated to support import and export of these new layer types.

BluePrint 6.6 Issues Resolved

BluePrint 6.6 build 1876

| Defect ID | Description |
|-----------|---|
| 71895 | Pads should not be used to determine component outline width in Format Component dialog |
| 71877 | BluePrint API calls Close() and Exit(), when dialog open and waiting for user response, results in crash |
| 71854 | IPC2581 Rev C import enhancement to support updated SlotCavity element |
| 71833 | Data Table should identify layers of type "Conductive film/foil" as a PCB layer (copper) |
| 71670 | DXF of bottom side PCB, imported into CAM350 and then mirrored (to make right readable) and then exported as DXF and imported into BluePrint...text is offset as compared to CAM350 |
| 71614 | ODB++ import issue – components with no outline and no pins are not visible by default |
| 71607 | New API methods to move Notes to previous and to next Note Block Sections |
| 71536 | BluePrint required resources not available when using backdrill templates |
| 71532 | Backdrill Stackup Template – Drill Span Options not working correctly |
| 71531 | Backdrill Stackup Template – Drill Span tab does not reflect actual columns in Backdrill Stackup display |
| 71514 | Backdrill stackup template does not auto expand for this design |
| 71417 | New API method support for Start number offset in Format Note Block dialog |
| 71362 | Fixed component fill colors issue in OGL displaying – all component fills as black |
| 71313 | Change Font Height for Design View incorrectly updates Font Height for PCB View |
| 70962 | New mechanism for detecting when a design file has changed in a DPD |
| 70907 | New API method to be able to control Fill option for Lines |
| 68839 | ODB++ Via Name attributes for Drills are different in 6.5 |
| 64060 | API enh to support parts list attributes for Callout links |

BluePrint 6.6 build 1869

| Defect ID | Description |
|------------------|--|
| 71059 | Export PDF graphics do not match document |
| 70931 | Using Pin Numbers attribute to turn on pin numbers causes ref des to be reset |
| 70904 | Export to PDF incorrect on Secondary Side (only) for this design file |
| 70865 | DXF Export excludes some bottom side components. |
| 70826 | Drill visibility setting lost after ECO import |
| 70803 | Embedded DXF file causes saved DPD to fail to open |
| 70624 | Pin Numbers are not oriented properly on Zuken IPC-2581 import |
| 70578 | OpenGL ("hardware acceleration") display issue with Process Steps |
| 70526 | BluePrint display does not match PRINT PDF display for this document |
| 70525 | Stiffener component fill is incorrect |
| 70523 | Export PDF issue with Dual Sided components are process steps |
| 70435 | API Enhancement - Merge cell methods needed for table |
| 70284 | RefDes location incorrect on ECO when part moved to opposite side of board |
| 70279 | Some comps with dual side outlines not display properly in this design |
| 70276 | Ref des remain on for some components in process steps display when "Show Only Process Step Components" |
| 70087 | Blueprint ref des generation - Results incorrect when both "follow component orientation" and "right readable" set |
| 69601 | EXPORT TO PDF results in lines throughout PDF copper pours |

BluePrint 6.6 build 1864

| Defect ID | Description |
|------------------|---|
| 70507 | File Open of DPD results in lost Drill Symbols (“?”) for this DPD. Cause is file Import of IPC2581 design with “Conductive Coating” layer type. |
| 70497 | Zuken IPC-2581 import – Bottom components not displayed in bottom views |
| 70326 | Automation API – ShapeDetail (LayerStackup) SetX coord does not work |
| 70314 | Automation API – Enhancement to add read only extent properties to the Drawing Element object |
| 70301 | ODB++ import issue when design has composite layers can cause bad memory pointer |
| 70245 | BluePrint cannot open this DPD file |
| 70222 | Octagonal shaped pads rotated incorrectly |
| 70173 | Part with thousands of line segments cause BluePrint to crash during highlighting and selection |
| 70130 | Regression in Drill Table via names |
| 70113 | BluePrint is recognizing an Autosave file even after it has exited successfully. |
| 70110 | BluePrint crash when user places a dimension that stretches to an adjacent sheet |
| 70103 | Performance issue with this design |
| 70087, 64442 | BluePrint Ref Des generation – results incorrect when both “Follow component orientation” and “Right Readable” enabled |
| 70088 | BluePrint crashes on ECO of IPC2581 design with net shorts |
| 70079 | Automation API – enhancement to add method to rebuild OpenGL |
| 69993 | ECO regression where the re-import of this CAD data incorrectly displays diagonal lines in component outlines |
| 69980 | Menu customization is not being applied correctly on import of bps file for this document |
| 69905 | Added command line switch to disable 3D model building in BluePrint |

BluePrint 6.6 build 1857

| Defect ID | Description |
|------------------|---|
| 69700, 68750 | Performance improvement for File-Open operations over network using mapped drive |
| 69602 | “Add dual sided parts” in PCB View does not turn on components with only opposite side graphics |
| 69434 | CAM350 Panel overwrite - incorrect when board image flipped using OGL in CAM350 |
| 69197 | Enhancement to format “Lines” in PCB data as “hollow” or with a line style (as you can routes, pins and copper) |
| 67391 | Some of the Backdrills are missing in backdrill stackup for this design |
| Enh | Japanese language support installation |

Note: Installation has been updated for PC’s running Microsoft Office 365, 2016, 2019, 2021 “Click to Run”

Why: A Microsoft Office “Click to Run” update released in December 2021 stops BluePrint from running.

The issue is a conflict with Microsoft Office “Click to Run” database components and the Microsoft Access database engine installed with BluePrint. Microsoft has confirmed Office database components installed with Click-to-Run and Windows MSI database components installed via BluePrint are not supported on the same computer ([details here on microsoft.com](#)). Prior to this release of BluePrint, the MS Access Database Engine was always installed with BluePrint. The DownStream product installer was updated to detect the presence of Office “Click to Run” and skip the installation of the MS Access database engine and to install the “Click to Run” Microsoft Access Runtime components if they are needed.

BluePrint 6.6 build 1848

| Defect ID | Description |
|------------------|--|
| 69203 | Fab Drawing incorrectly displays both drill symbols and drill holes when these steps are followed |
| 68984 | Enhancement to Automation API to add layer profile visibility control |
| 68913 | Via names no longer visible after switching drill symbol tables |
| 68806 | PDF Font issue resolved |
| 68797 | Errors when importing DST Demo 2018.xml resolved |
| 68746 | 3D PCB View does not update after changing camera view |
| 68731 | IPC2581 Import issue resolved |
| 68306 | Improvements to "Pads and Via" tab for PCB View Format pane |
| 68305 | Net Names on PCB View Format pane do not toggle on/off for this document |
| 67965 | ODB++ Export – Bondply layer incorrectly exported as Dielectric layer |
| 67738 | IPC-2581 Export – Incorrect Layerfunction types |
| 67795 | Plating/unplating 5.2 to 6.x conversion issue |
| 67408 | PDF Export does not complete on this design |
| 67100 | Incorrect Side View displayed when PCB View is rotated |
| 67623 | Gerber import issue resolved |
| 67249 | Document Wizard launched from Allegro menu does not complete because document extension is incorrect |
| 66177 | Customer adaptive template fails to execute |
| 66112 | Limit extents to Board Outline and visible parts |
| 65639 | Issues importing CAM350 generated ODB++ |

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 build 1762

| Defect ID | Description |
|------------------|--|
| 67676 | Misc 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 displays 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 apertures |
| 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 |

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| 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 apertures |
| 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 |
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| 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 |
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|-----------------|---|
| 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 |

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| 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 |
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| 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 | Enh to insert new sheets contig when expand 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 |
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| 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 |
|------------------|--------------------|
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|-----------------|--|
| 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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