



CAD Design Software
303 Twin Dolphin Drive, Suite 600, Redwood City, CA 94065, USA

2021 Release Notes Version 8.3.0

MAJOR CHANGE: New Software programs available for use with Microsoft Windows using the 2019 OEM Graphics engine from Tech Soft 3D.

- **4 Newly restructured EPD Designer Suites** for use with Windows
- **ACAM for Gerber and GDS** - Formerly Known as GerBARX and GDSII, ACAM is the combined tools for use with Windows
- **BWX Bond Wire Exporter** - for use with Windows
- **EPD Standard and EPD Master Design Suites v8.3** for use with AutoCAD 2018-2021 Only
- **GerBARX v8.3** for use with AutoCAD 2018-2021.
- **Discontinued** Support for 32 Bit platform
- **Discontinued** Support for BricsCAD
- **Discontinued** Support for AutoCAD 2017 and earlier
- **Discontinued** Support for 3rd Party Simulation programs: **HFSS, Q3D, SIW, ADS, CST, National Instruments, Microwave Office and Microwave Studio**

Software Updates:

EPD-1139

PLACE - Using the Reload feature correctly recognizes the ...N3,N2,N1,F1,F2,F3... layer sequence.

EPD-1159

EPD2PADS - Converts correctly with arcs.

EPD-1144

QFN - Creates a component outline.

EPD-1158

PANEL - Extra Scribe Fiducials along the left side and in the lower right no longer created.

EPD-859



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DRC – Matrix now shows which rules are not used opposite of showing rules that are used.

EPD-870

DRC – Micron DRC file converts to mm automatically.

EPD-871

DRC - A new DRC file can be read into a layout with an existing DRC setup with the options of adding the new settings to the current settings or having the new settings overwrite the current settings.

EPD-860

DRC – Button added for reading in an Excel file that is the same format as outputting an Excel file.

EPD-1165

PLACEDIE - The sequence was incorrect. “Multiple” should be the first setting to be made. Then, each time a new die is desired, click “Use Selected Die”.

EPD-1153

PLACEDIE – Xlines are created that are now cleaned up at the end of the routine. No longer crashes if bonds are assigned to ring.

EPD-1140

PANEL – Button function added for using custom template.

EPD-1173

EPD2ODB - Allows the output of a single layer\level for checking to avoid having to run all levels of the entire file.



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EPD- 1149

LFINTEL - Half Etch-Regular: No mold outline set, program hangs. Creates redundant pin number via blocks.

EPD-1162

LFINTEL – Half-etched Regular no longer crashes.

EPD-1163

LFINTEL – Straight Leads, no trim. All the leads on the left side no longer get their pin number attribute set to 1

EPD-1161

DMASKS - Generates the DGZ pattern from the outermost DEL pattern and custom cut-outs not based on the currently hard coded entities can be used.

EPD-1181

DMASKS - An Offsets tab has been added to the Masks Grid for the initial and repeating offsets for each layer. This removed most of the initial settings for better control in the grid.

EPD-1178

DMASKS - Initializing the LX command from DMASKS created layers not listed in Masks Grid. Now only the Selected layers will process.

EPD-1182

DMASKS - Does not generate an array of entities in the Model tab if PANEL has already been run.



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EPD-1176

DMASKS - The NGZ layers were getting a 0.050mm offset from the GLZ layer. The NGX layer is now a negative of the GLZ layer.

EPD-1174

DMASKS - The initial dialog box has changed to move the initial and repeating offset settings to a new tab in the grid dialog box. This allows the individual offsets for each layer for better user control. The extra offset of the DGZ layer has been corrected.

EPD-1179

DMASKS - The DGZ-FS layer should be a copy of the outermost layer respective of its substrate side, but was getting an extra offset

EPD-1175

DMASKS - Sliver Trim now works to remove the 0.050mm slivers from the DGZ-NS layer.

EPD-1180

DMASKS - Sharp corners now radius with the progressive fillet feature.

EPD-1196

DMASKS - Generates the DGZ pattern from the outermost DEL pattern further enhanced.

EPD-1195

DMASKS - Custom cut-outs not based on the currently hard coded entities can be used was further enhanced.



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EPD-1197

DMASKS - DMASKS created layers get a prefix of DMASKS in the layer name.

EPD-1205

SCH PREFERENCES - Settings are saved to the SCH.prf file which can be used on other machines.

EPD-532

SCH GETNET - Warns of 4-way ties right after they are auto-created.

EPD-1013

SCH VIEWNET - Procedure was updated to automatically capture the layout when ViewNet is used in the schematic with simultaneous annotation.

EPD-1203 and EPD-1204

SCH - A new feature has been added to Technology in the lower right of the dialog box which allows the user to set the number of places for the designator number with leading zeros not being stripped off when using GetNet, PartOut, or Annotate. It also works for simultaneous annotation with the PCB as long as the designator feature in Technology is set to match the schematic.

EPD-420

SCH REFDES - Now highlights the part to be selected and supports leading zeros as described in EPD-1203 and EPD-1204.

EPD-1012 and EPD-1143

TRACK - Now accepts the differential data from the captured netlist.



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EPD-1187

SCH CUSTOM ATTRIBUTES – Length, Width, Angle, Gap and Diameter have been changed to Custom attributes. All attributes and extended data have been tested.

EPD-1110

TRACK - Track's Snap setting now overrides the AutoCAD Snap setting.

EPD-1209

GERBOUT – Automatic Setup now produces the correct Thick Film layer list when DMASKS has not been run.

EPD-1211

GERBOUT, GERBVIEW, GERBIN – Holes patterns created as 2.4 format align correctly with conductor patterns.

EPD-1210

SPECCTRA - The restart that was required after Specctra export is fixed as a result of other Specctra issue fixes.