

# Flexi-rigid Board Technology

## Flexi-rigid technology

True Flexi-rigid support is available using the features within the Advanced Technology package; Multi-spanned Layer Areas, Board Outlines, Board Cutouts and Layer Spanned Components. Using these powerful options, Board outlines can be created to span 'internal' flexi layers that are still exposed externally.

## Advanced Layer Spans

Advanced layer span definitions enable you to create the regular board outline plus the board outline required for an inner flexi-layer which may extend outside of the normal board boundaries.

## Layer Spanned Components

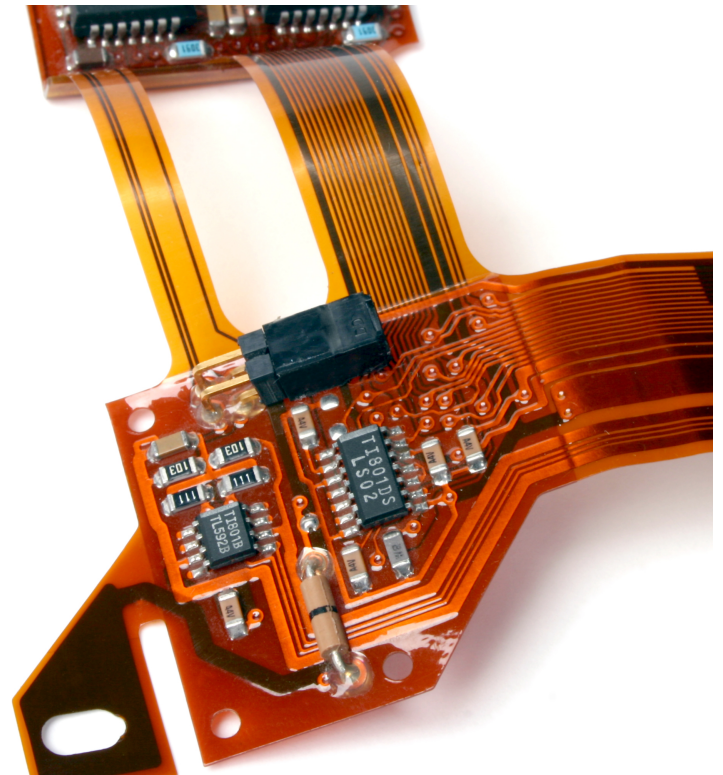
Adding Components to layer spans allow them to also be exposed. Both through-hole and surface-mounted components on inner flexi layers can be achieved but with true 'side' and layer characteristics available within their Property definitions. This means accurate assembly reports, manufacturing plots. Precise build details can be exported for accurate manufacturing.

## Manufacturing Outputs

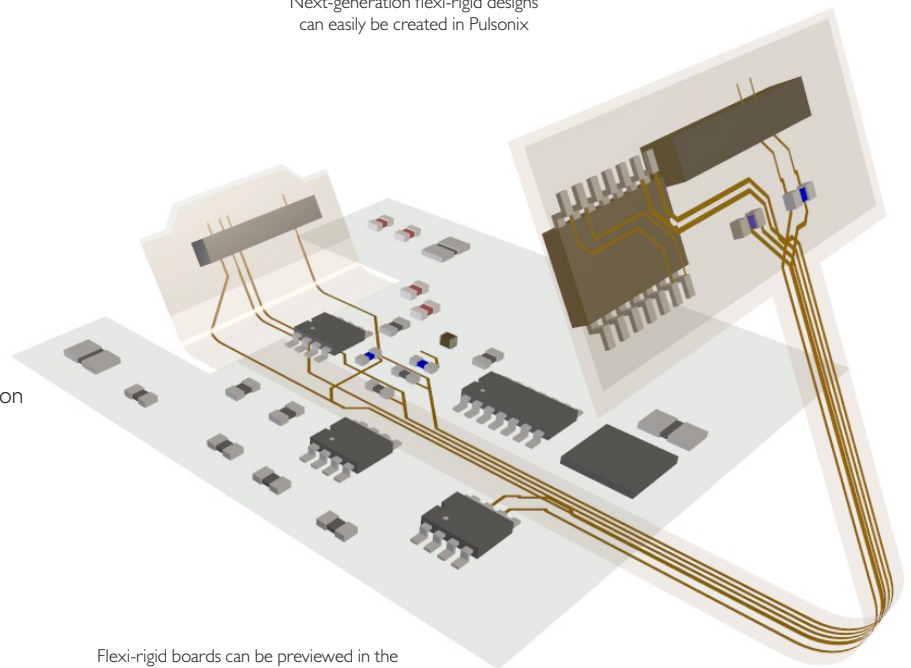
Each set of board outlines can be output in a 'drill-ready' format for profiling for each layer span produced. Manufacturing reports and design detail can all be easily output through a set of built-in standard output options.

## Feature Summary:

- Intelligent Layer span definition
- Advanced Layer spans
- Layer spanned Components
- Layer spanned Areas, Board Outlines & Cutouts
- Flexi-board animation in 3D Viewer
- Bend Region definition (bend radius, angle, area)
- Neutral Axis Pos Ratio for accurate bend correction
- 'Lift-off' regions for clear flexi exit definition
- Components on flexi-layers as PTH and SM
- Bi-directional placement between PCB and 3D
- Flexi-board animation in 3D Viewer
- 3D View of flexi-board including 'exploded' view
- Clash Detection
- Advanced placements reports for manufacturing



Next-generation flexi-rigid designs can easily be created in Pulsonix



Flexi-rigid boards can be previewed in the Pulsonix 3D Viewer before manufacture

Pulsonix

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