Ucamco
Former Barco ETS

Product Flyer

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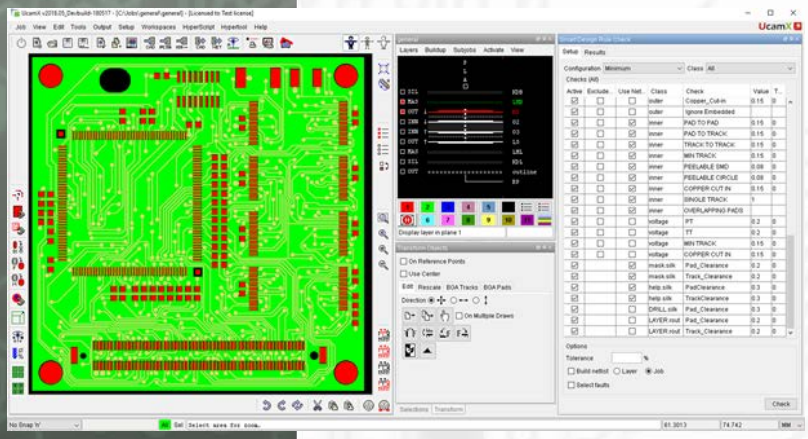
CAD Review

CAD Review station for viewing, analyzing and modifying CAD output data.



- Ideal for Input and Output of all major formats. For example:
  - UcamX job, DPF layers
  - Gerber files
  - ODB++
  - Excellon 1 and 2 …
- Numerous methods to check and optimize data
- Security tools for preventing inadvertent modifications
- DFM check – with your DRC rules
- Scripting

Fast and automated data input of all major data formats

CAD Review offers the most comfortable way to read in all major data formats. It provides the tools for automated data input like Layer registration or aperture recognition.

DRC to check the data for manufacturability

Detect whether layouts correlate with the DFM requirements of the manufacturer. Specify the different production capabilities in the DRC checks to meet the standards of each company.

Measurement and query tools

The tools to measure or query the data are manifold. Measure object sizes, distances between points (based on midpoints or grid) or determine object coordinates are only a few examples. Query Objects provides detailed information of any object in the data.

Optimize the data

With Edit functionality CAD Review allows modification of layouts. Add, insert, copy, move, step & repeat are only some of them. For example, make layout changes to determine if DFM classes can be met. Up the reliability of PCB's by adding Teardrops or adding copper balancing.

Board security tools

To up the security level when modifying data. Choose Net Compare after modifications to compare a job's current netlist information for electrical changings the layout. Add an additional layer of security by using "Image Compare".

Use this functionality to optically inspect complete job against a reference job, or verify any kind of layer (copper, drill, rout paths, solder masks, paste layers, silk screens …) against a reference (dpf) layer. This protects against inadvertent modification.

MARKETS

Rigid PCB Mfr ✓
Flex PCB Mfr ✓
Flex-Rigid PCB Mfr ✓
HDI PCB Mfr ✓
PCB Masslam Mfr ✓
PCB Equipment Mfr
PCB Traders ✓
PCB Designers ✓
PCB Test Centers ✓
IC Packaging ✓
Chemical Milling ✓
High Resolution Graphic Arts ✓
Flat Panel Display ✓

PRODUCT FAMILIES

CAM ✓
PreCAM and Engineering ✓
Electrical Test ✓
Equipment Front Ends ✓
Format Converters & RIP's ✓
OEM Software ✓

Laser Photo Plotters
Direct Imagers

64 Bit

Multi Core

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Panelization for assembly and production

Create a list of panels for assembly or production panels fitting to the requirements of each manufacturer. Verify which panel will get the highest material allocation or the easiest production process.

Copper calculation

The copper count analysis contains options for calculating the copper surface of a printed circuit board. Available calculation for a job, activated layers or inner layers.

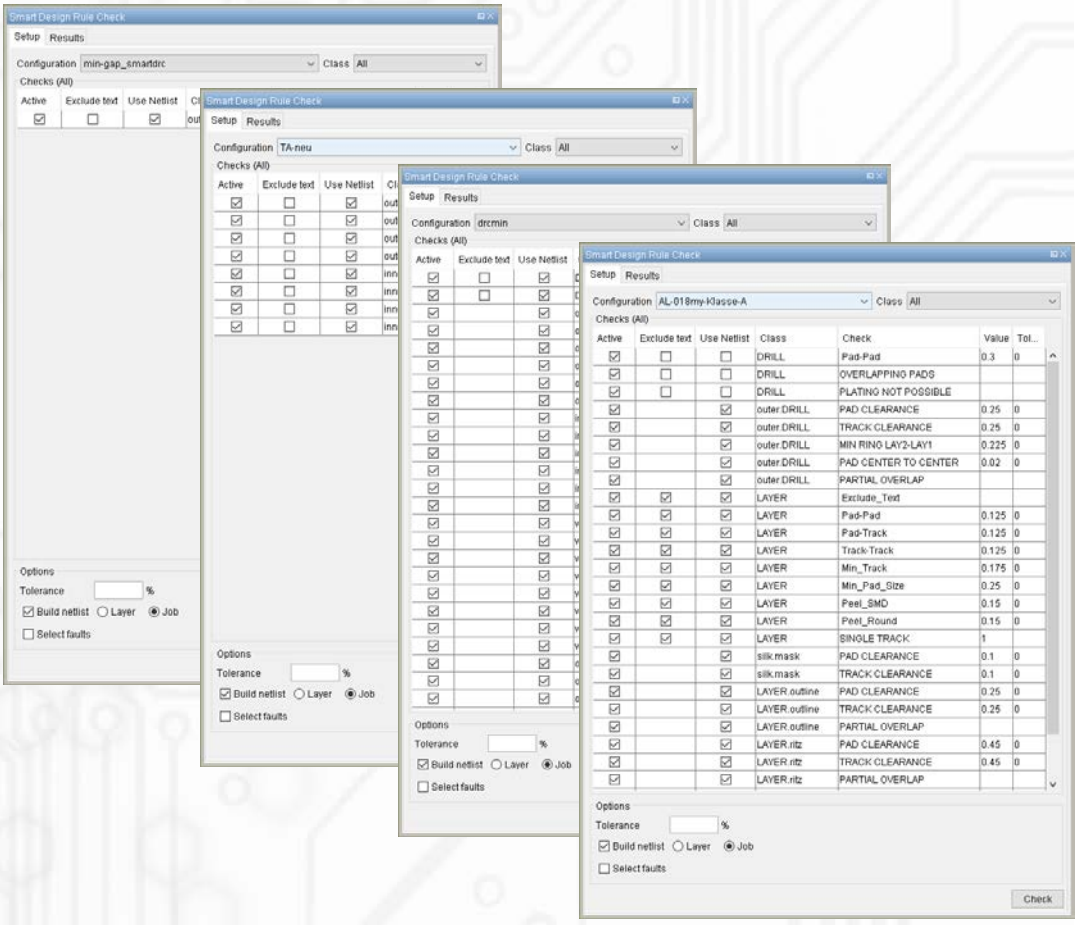
FlashMaker

Some functions require pads to be flashed instead of painted. For others the conversion is recommended in order to obtain a result that truly reflects the state of a board. FlashMaker has been designed to enable you to handle 'draw to flash' conversions with minimum effort and maximum comfort.

Automation with Hypertool-Scripting

CAD Review offers the unique possibility to automate your workflow with Hypertool Scripting e.g. for automated layer, job input, automated modifications or data saving.

DRC checks: Specify different parameter sets to reflect different requirements and switch values with one click



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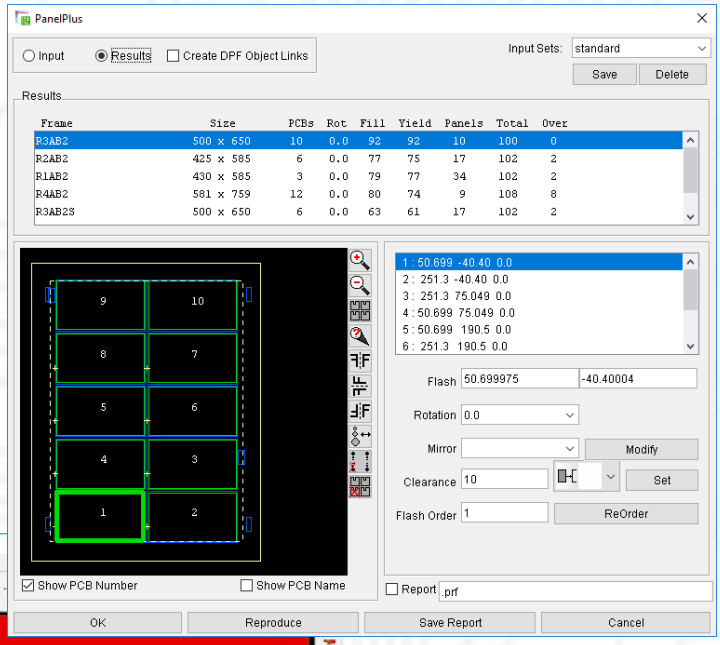
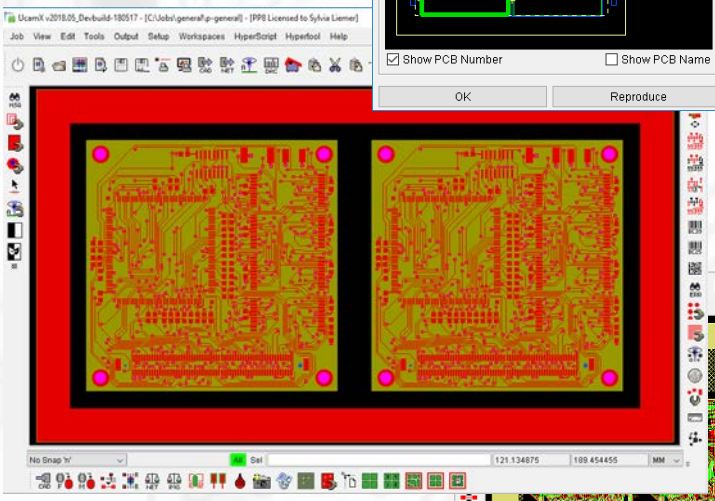
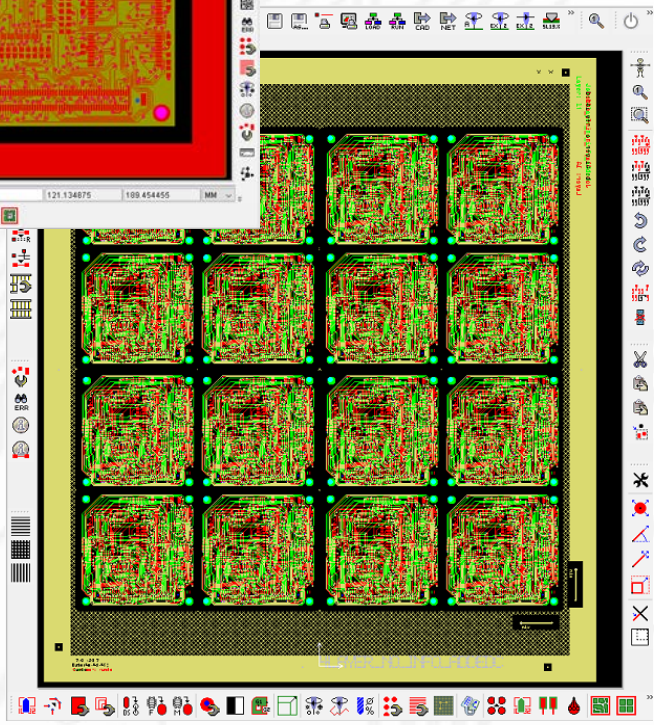
Panelization





Assembly Panels

Production Panels



Direct link to
CAD Review page on
Ucamco's website

Gerber Format

Convey your design intent from CAD to CAM

Support for:

- CAD netlist
- Nested Step & Repeat
- Fabrication documentation

Scan this QR code to find:

- Gerber format info
- Gerber Reference Viewer
- Gerber format Specification

For more information on any of our products or services please contact us:
Email: info@ucamco.com
Web: www.ucamco.com

Teardrop

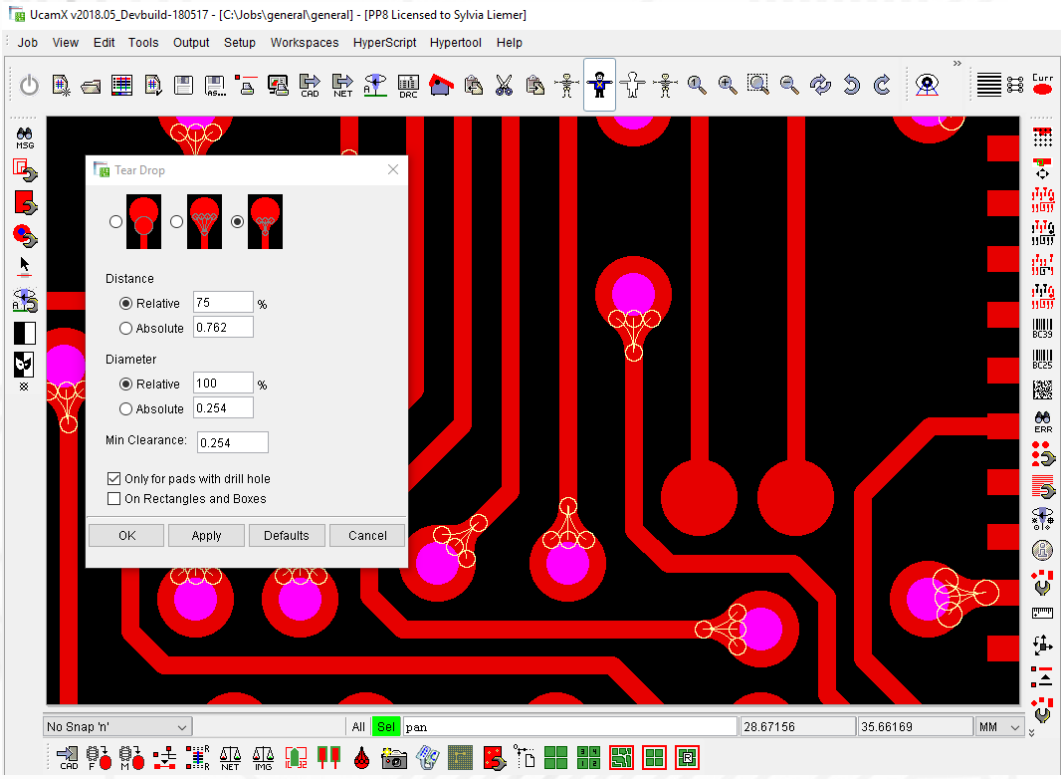
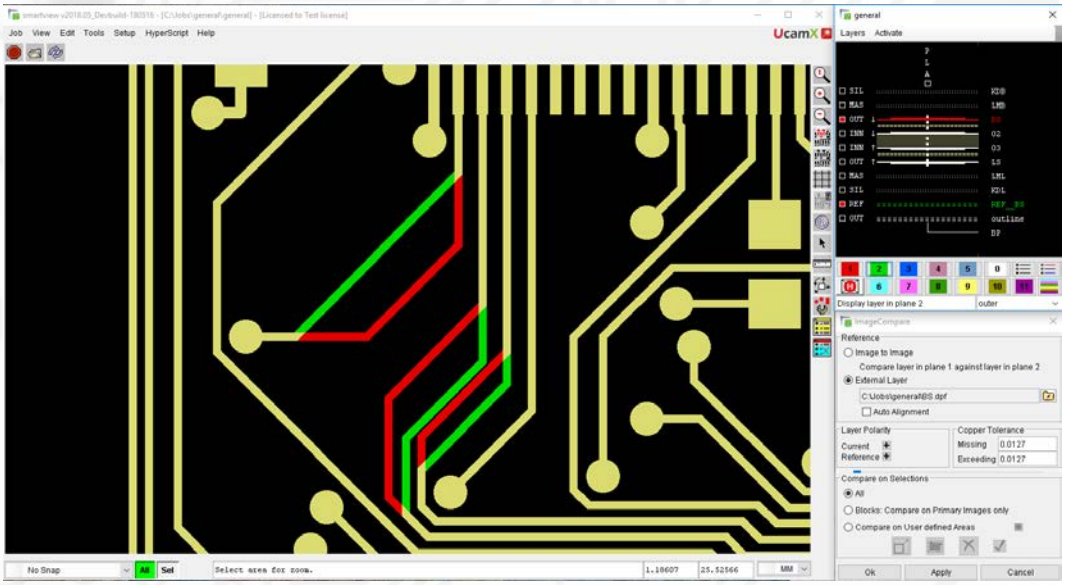


Image compare



Ucamco protects your investments

Ucamco has a longstanding tradition of protecting its customer's investments. **CAD Review** is no exception: it seamlessly works with your existing **UcamX** or **Integr8tor** environment and reuses all of the available software setups or precious automation that you have diligently gathered and carefully maintained over the years.

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