CAD Review

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.

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
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
Teardrop

Direct link to CAD Review page on Ucamco’s website

Image compare

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

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.