UcamX v2021.04

64 Bit

Multi Core

Release Overview

Highlights

Always a step ahead …

- Netlist extension 

- YELO Copper Adjuster extensions
- YELO Legend Adjuster extensions
- YELO Mask Adjuster (Beta) extensions
- SEC file size reduction
- Ledia Output 

- ODB++ Output optimization 

- And more!

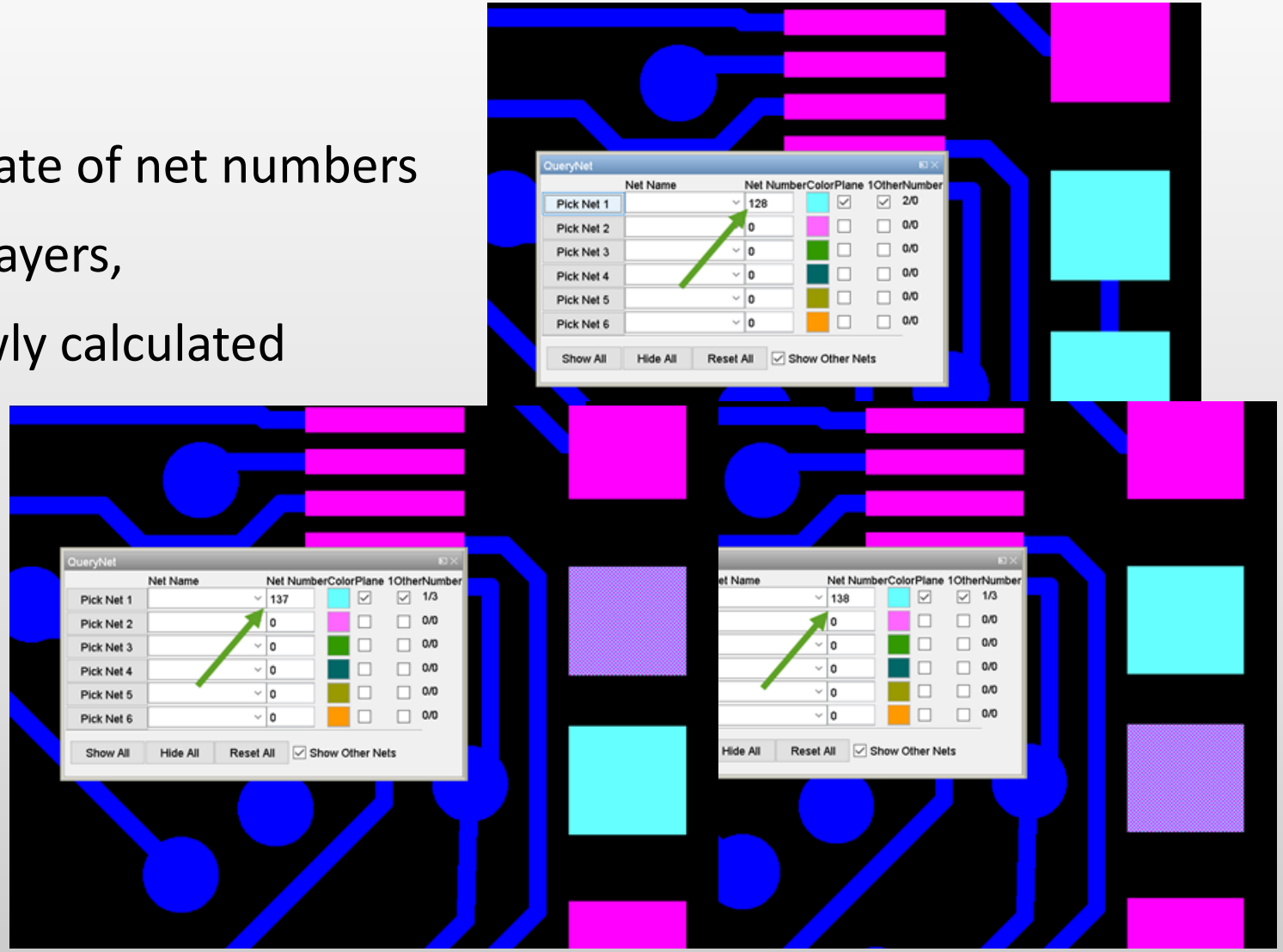
Netlist

Extension

- Resource conserving update of net numbers of test-, mid- and probe-layers, corresponding to the newly calculated netlist information

(*Additions to existing Netlist license)*

Net number before remove connection



Different net numbers on test layers by only running netlist again

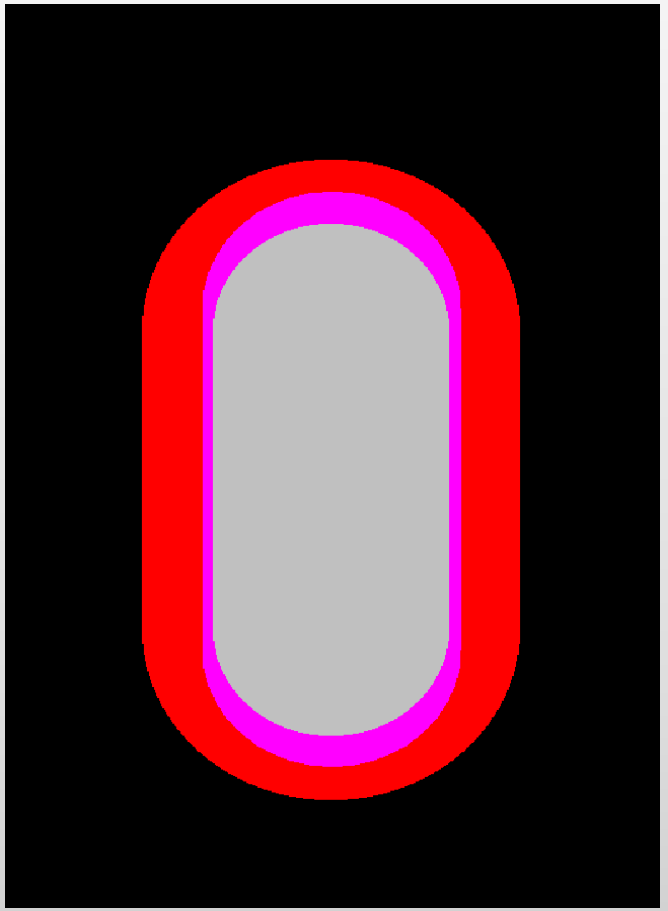
YELO Copper Adjuster

Extensions

- Ring faults for plated slots are reported and repaired
- Mechanical via holes can be expanded to fulfill the min. hole size requirement
- Plane adjustments optimizes bridge cuts into the contour to prevent unnecessary pads

(Additions to existing Copper Adjuster)

Ring faults for plated slots are reported and repaired



YELO Copper Adjuster

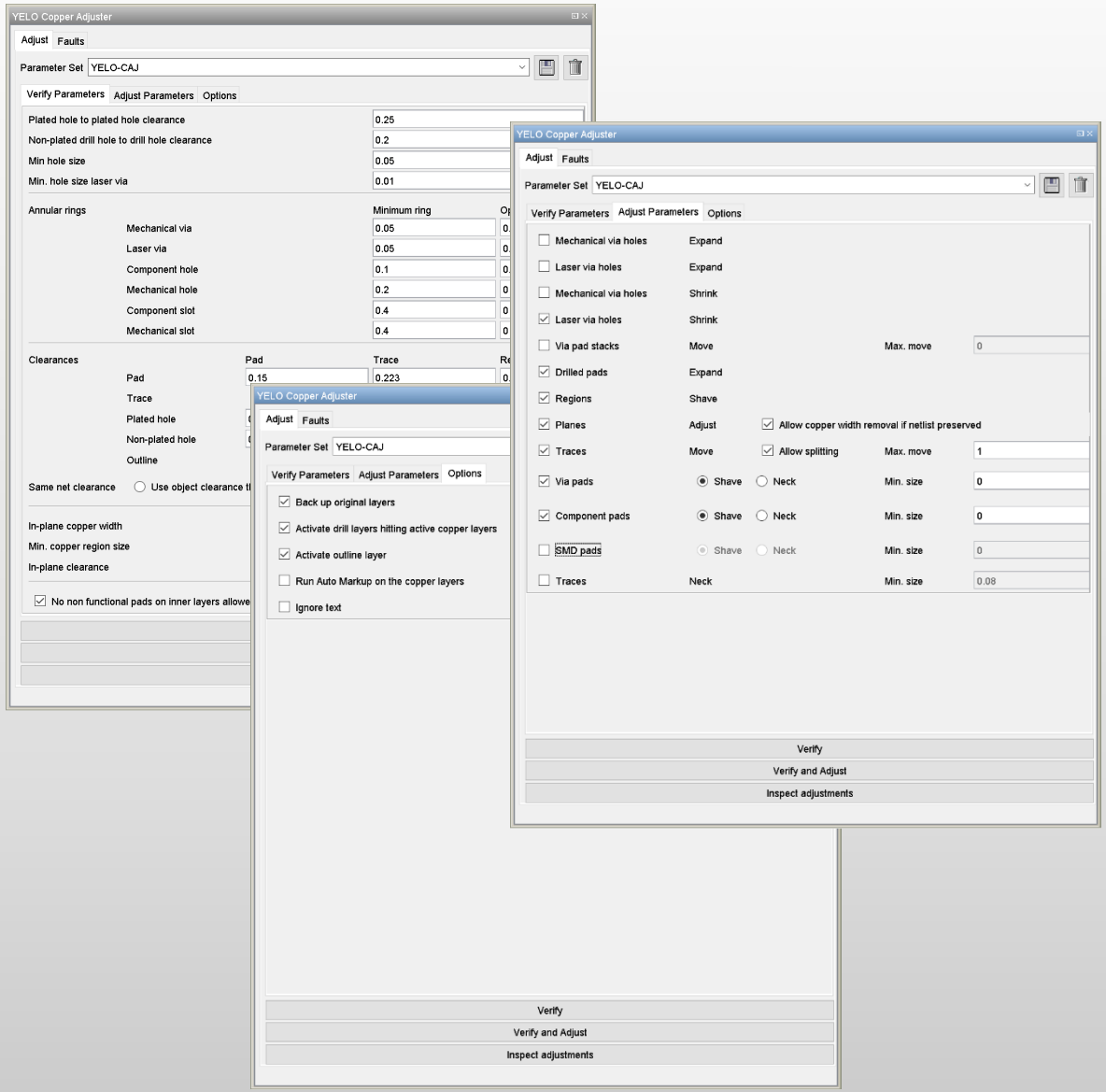
Extensions

- A new option to exclude text.
  All electrical nets that do not contain any pads are considered as text

- Improved GUI for better handling by using tab pages

- Updated ring parameters. 4 new adjustment parameters to check slots to a dedicated ring parameter

(Additions to existing Copper Adjuster)



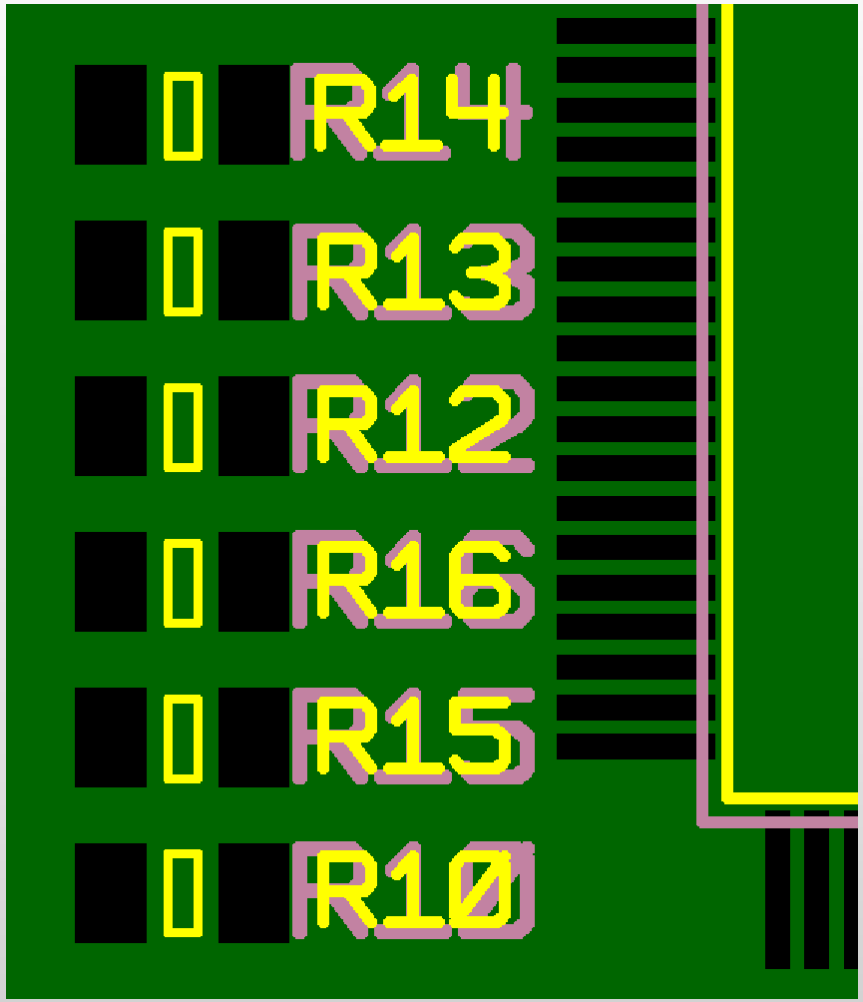
YELO Legend Adjuster

Extensions

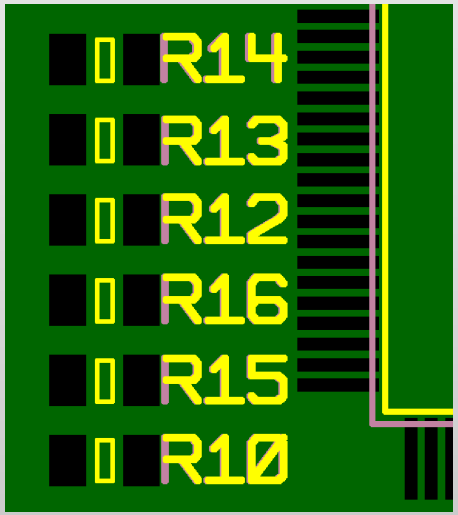
- The Adjust tab contains a new option to scale all texts in one go on all active layers by a certain factor.
  It always preserves the minimum line width.

(Additions to existing Legend Adjuster)

No shave necessary after scaling text



Not enough space to move the text -> text will be shaved



Secure Etch Compensation

Ucamco

File size reduction

- Boost the speed of file handling with the new option to reduce object count for clearance draws by replacing chains of draws

- A new ‘Finalize’ option and a check box ‘Auto Finalize’ have been added to the SEC GUI to prevent negative objects
  - ‘Finalize’ to run netlist and expand true objects on active layers manually
  - Checked ‘Auto Finalize’ will run automatically at the end of ‘Apply’ to eliminate the negative clearance draws

(Additions to existing SEC)

Change of file size (same data same values)

Before changes:

11.182 MB

With Finalize:

7.235 MB

With replacing chains of draws:

1.616 MB

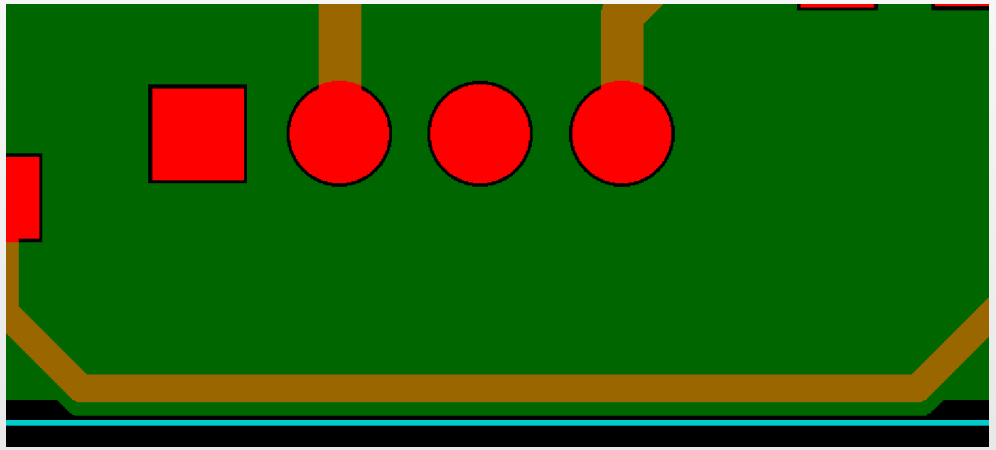
YELO Mask Adjuster (Beta)

Extensions

- Due to the great feedback in the first trial period, the trial is extended for this release
- Added option to remove existing mask openings for vias
- Clearance to outline and overhang implemented

(Available to customers under maintenance and with the existing Soldermask Optimizer license)

Removing soldermask from outline while ensuring mask overhang
Example: traces



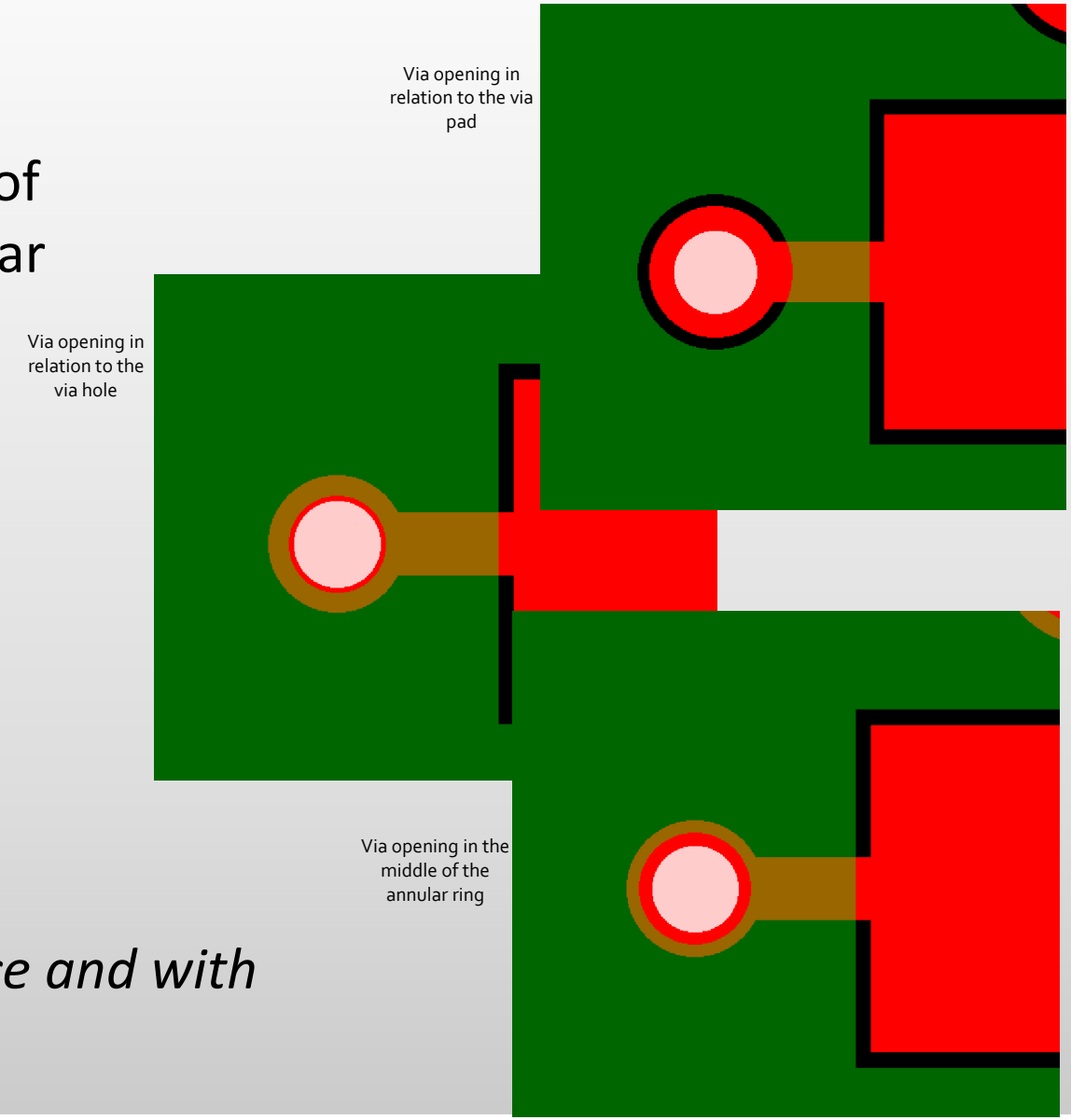
Example: region

YELO Mask Adjuster (Beta)

Extensions

- Expanded functionality for adjustment of via openings to the middle of the annular ring between hole and copper pad
- Outline handling of cut-outs and inner rout implemented
- Rings for non-plated slots were added to Mask Adjuster. It handles these the same way as non-plated holes

(Available to customers under maintenance and with the existing Soldermask Optimizer license)



Ledia Output

New Hotfolder solution

- Be able to send data to expose on the Ledia machine without taking care of the CU9000 software version
- UcamX is completely independent of CU9000, it is not sending data directly to the Ledia RIP but is always sending data to CU9000 via hotfolder

(New option, available free of charge to customers under maintenance with the existing "Dainippon Screen DI Output" license)

ODB++ Output

Optimization

- ODB++ output is correctly handling the scale factor allocated to a block aperture definition. This scale factor was previously ignored during ODB++ output

(Addition to existing CAD Output ODB++)

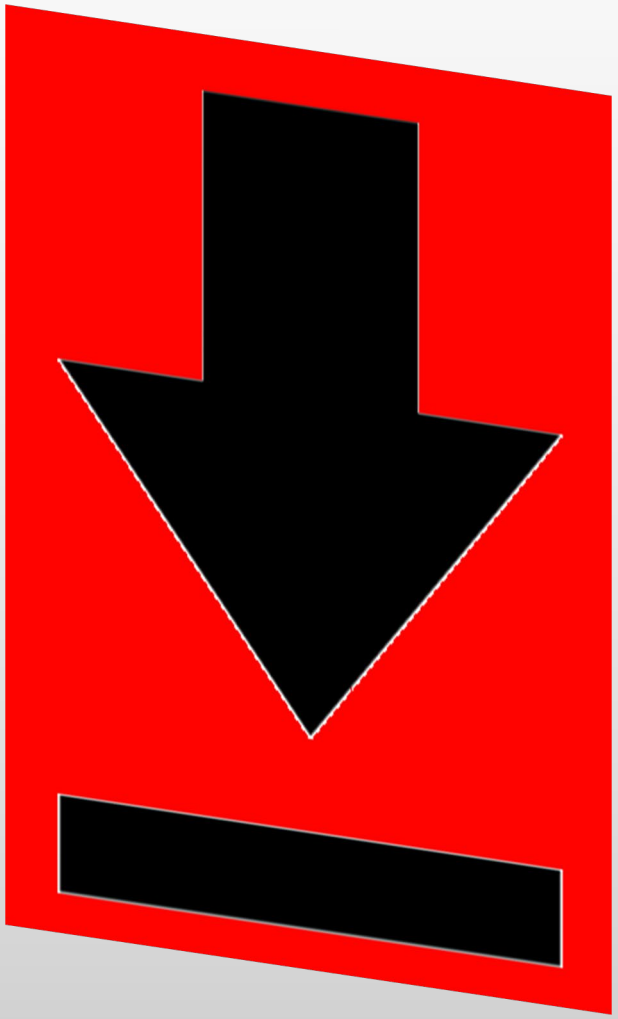
Install v2021.04

- The installer can be downloaded from the Ucamco FTP download server. As most internet browsers have stopped supporting FTP download, we recommend that you use an FTP client to do so

- We recommend installing this update at your earliest convenience

- For any further questions you may have, please contact our local business partner or the Ucamco helpdesk

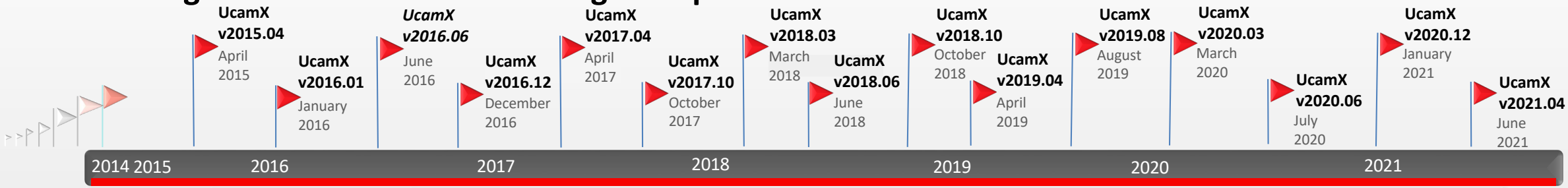
- We thank you for choosing a Ucamco product



Already looking ahead

Ucamco

Serving our customer base with regular updates



Version	Release date	Highlights
2021.04	Jun-21	Size reduction in SEC, Extensions to all YELO Adjusters, Optimized Netlist, New Ledia Output for UcamX in Java 8 and Java 11
2020.12	Jan-21	DPMX Import, Text Updater, Line width adjustment in YELO Legend Adjuster, Via pad stack move in YELO Copper Adjuster
2020.06	Jul-20	Verification of unique combination of subclass, attach and index number
2020.03	Mar-20	Upgraded to Java 11, New Select Painted algorithm, New YELO functionality, Gerber X3 input (component information)
2019.08	Aug-19	Keyboard Shortcuts, Plane Focus Indicator, Maintenance update
2019.04	Apr-19	YELO Combined GUI for all copper layers, New YELO functionality, Rout Manager enhancements
2018.10	Nov-18	Query Component, Read Component information from ODB++
2018.06	Jun-18	Save jobs by creating archives, free trial period of all YELO modules
2018.03	Mar-18	Eagle input with proportional font, Scaled line width in Silk optimizer, Introduction of YELO Signal Layer Adjuster
2017.10	Oct-17	New startup routine, Extended Job Editor View, Optimized Rout Compensation
2017.04	Apr-17	Performance boost DRC copper-cut-ins, Improved "Select Painted" feature
2016.12	Dec-16	New insert Arc command, Improved Sieb&Meyer rout import
2016.06	Jun-16	Maintenance update
2016.01	Jan-16	Background output, Parallelized image compare
2015.04	Apr-15	Load balanced sessions, Gerber X2 Input support

Today