

# UcamX 2018.10 Release Notes

October 2018

# UcamX

Version 2018.10  
Release Notes



# UcamX v2018.10 Release Notes

## Commitment to regular updates



Version	Release date	Highlights
2014.12	Dec-14	Workspace GUI, Parallel processing
2015.04	Apr-15	Load balanced sessions, Gerber X2 Input support
2016.01	Jan-16	Background output, Parallelized image compare
2016.06	Jun-16	Maintenance update
2016.12	Dec-16	New insert Arc command, Improved Sieb&Meyer rout import
2017.04	Apr-17	Performance boost DRC copper-cut-ins, Improved "Select Painted" feature
2017.10	Oct-17	New startup routine, Extended Job Editor View, Optimized Rout Compensation
2018.03	Mar-18	Eagle input with proportional font, Scaled line width in Silk optimizer, Introduction of YELO Signal Layer Adjuster
2018.06	Jun-18	Save jobs by creating archives, free trial period of <b>all YELO</b> modules
2018.10	Nov-18	Maintenance update, Query Component, Read Component information from ODB++

# UcamX v2018.10 Release Notes

## Overview



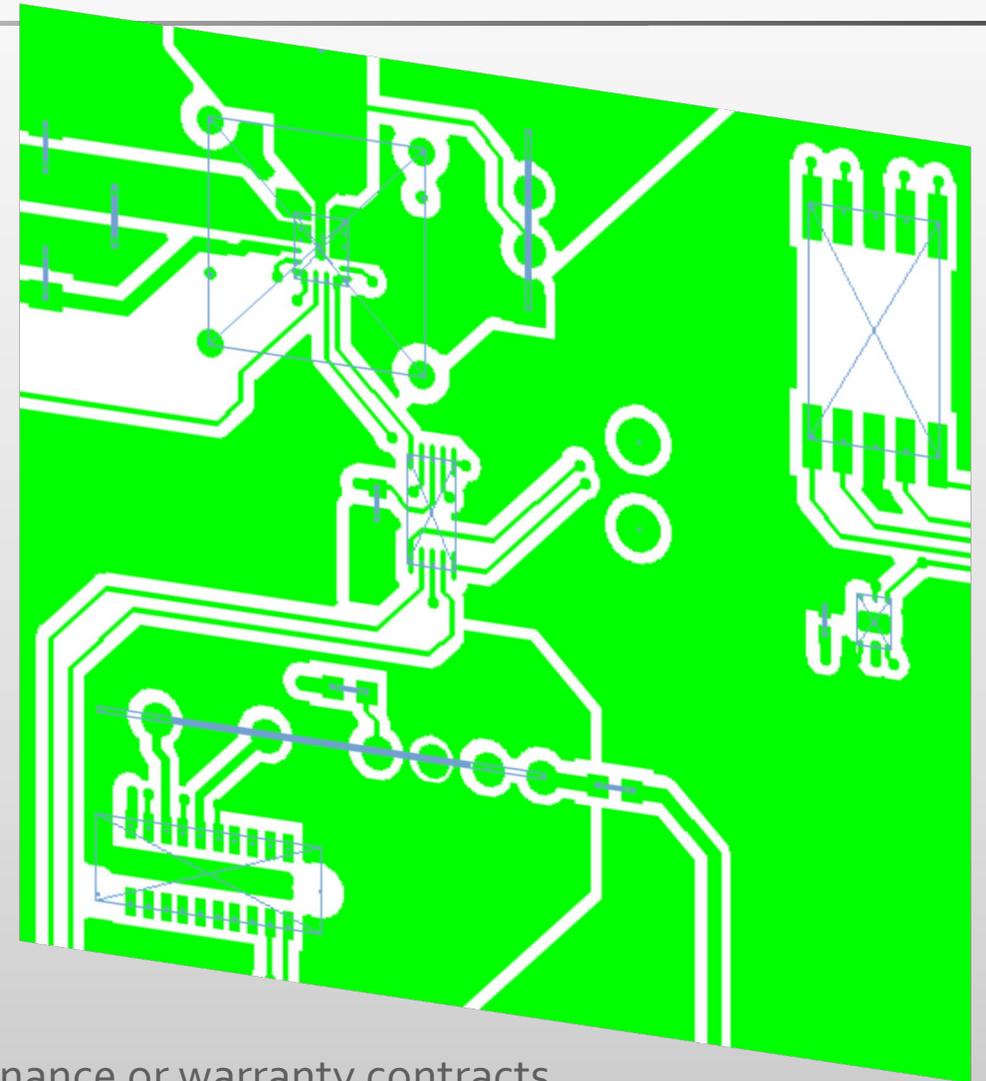
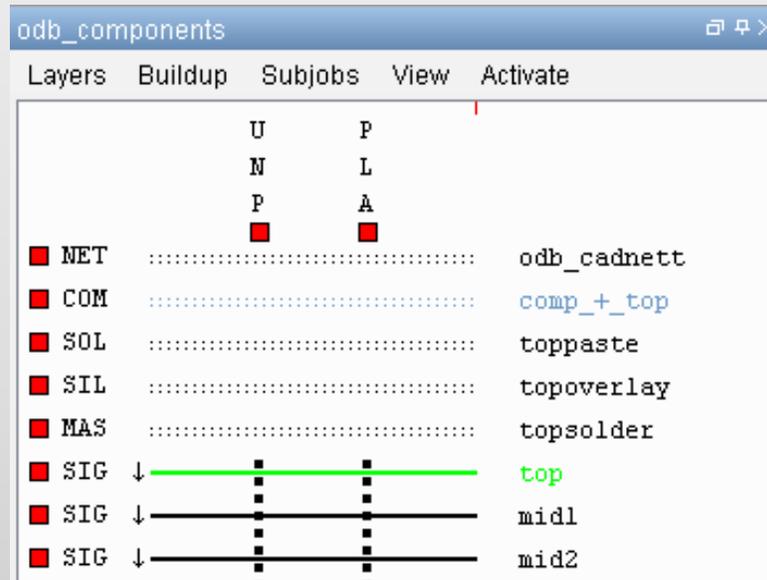
- Read component information from ODB++
- Query Component, a new module
- Save and read UcamX jobs as archives
- Gerber X2 input now reads Gerber object attributes
- Eagle .brd input supports proportional font
- Customer Panel Module
- Abort time consuming processes
- **YELO** Testlicense
- and more ...

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## Read Component information from ODB++

### Read Component information from ODB++ \*

Component information in an ODB++ job are read into extra layers with subclass component and shown in the Main window.



\* licensed option, free-of-charge for customers with active maintenance or warranty contracts

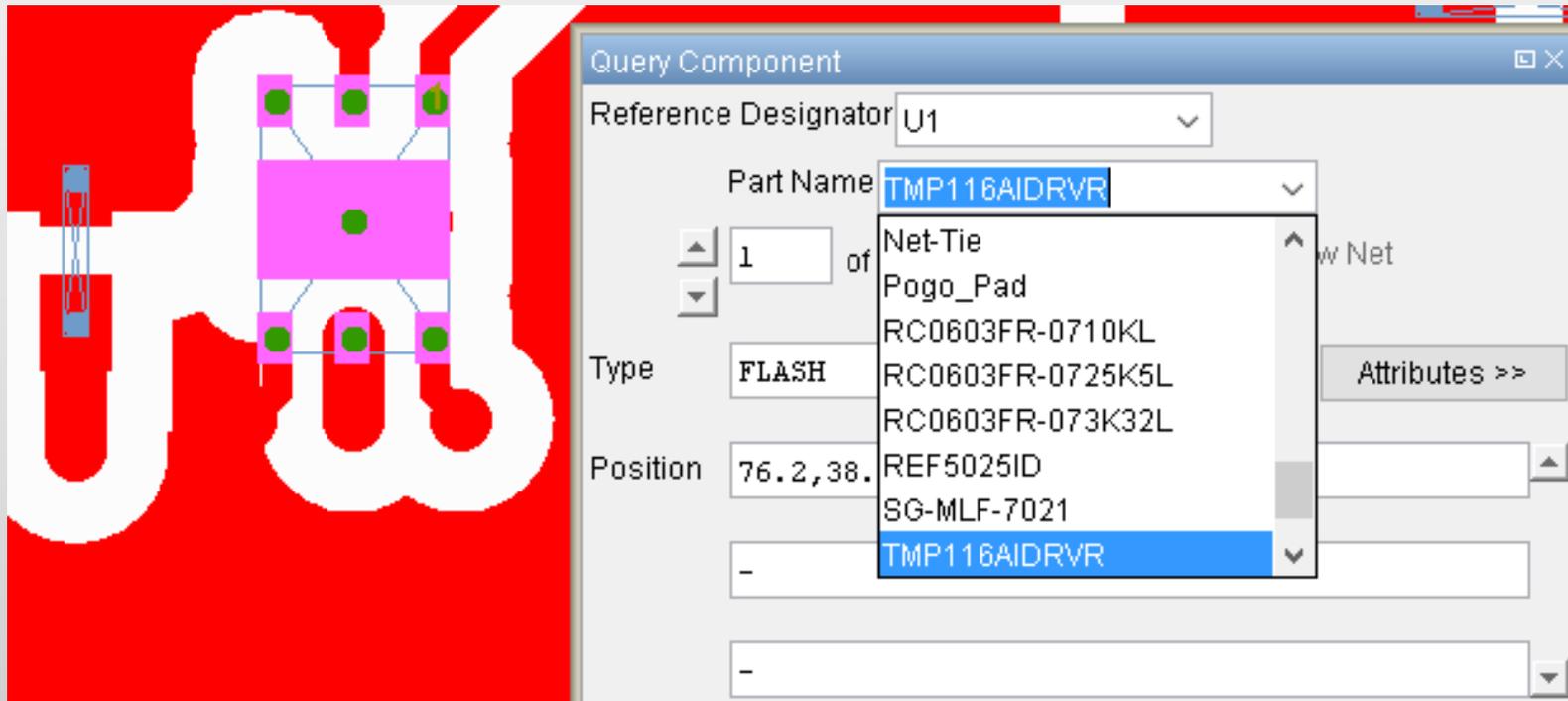
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## Query Components



## Query Components

This new module can query individual components, displaying the reference designator, part name, attributes.



```
Object Attributes:  
uComponentName = U1  
uPartName = TMP116AIDRVR  
***Component attributes***  
.comp_height = 0.031500  
.comp_mount_type = 1  
uPartName = TMP116AIDRVR
```

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## Query Components



The net can be highlighted while querying the pins:

The screenshot displays a PCB layout with a red background. A yellow net is highlighted, connecting a component labeled '8' to other parts of the board. A 'Query Component' dialog box is open on the right, showing the following details:

Field	Value
Reference Designator	U4
Part Name	ADG736BRMZ
Quantity	1 of 1
Show Pins	<input checked="" type="checkbox"/>
Show Net	<input checked="" type="checkbox"/>
Type	FLASH
Position	55.88, 42.255
Net	49   NetR15_1
Aperture	7 = CIR, 0.2032

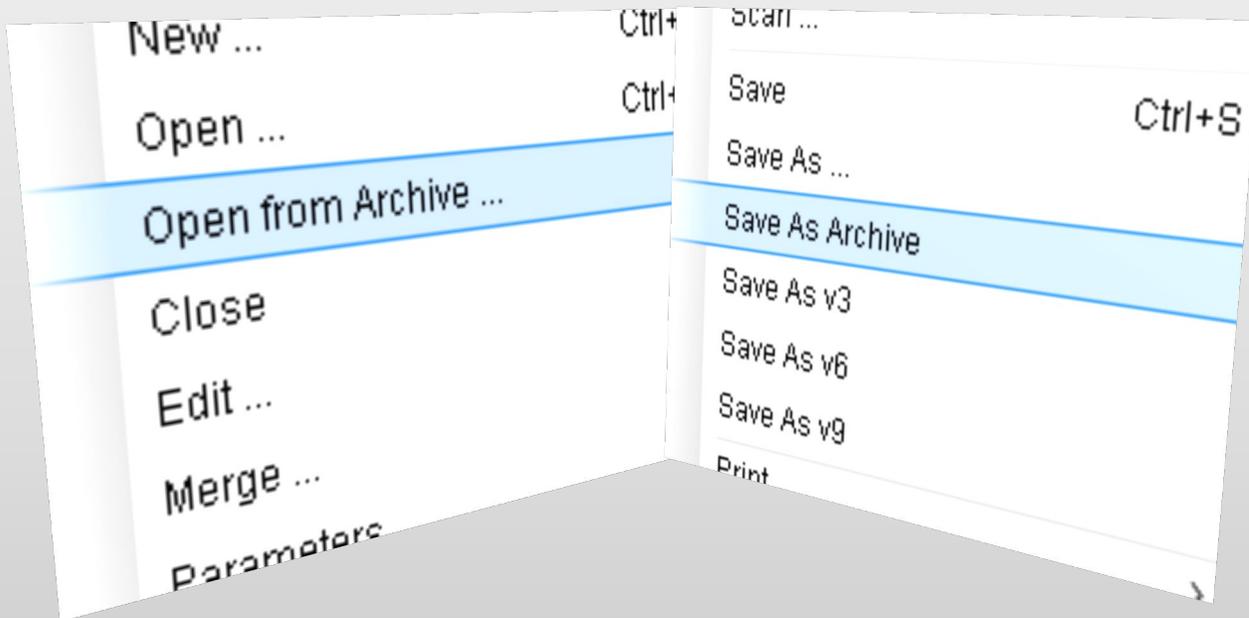
Buttons: Attributes >>, Query Component

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Save and read UcamX jobs as archives / Exporting ODB++ files as .tgz archive

## Save and read UcamX jobs as archives

Now it is possible to save **UcamX** Jobs directly and read it back as a .zip archive



## Exporting ODB++ files as .tgz archive.

Settings are made in the CAD file.

```
#  
#      ODB++  
#      *****  
#  
odbxx*contourize_ape_pattern: 1  
odbxx*drill_start_ape_num: 0  
odbxx*expand_text: 0  
odbxx*outline_profile: 1  
odbxx*blo_cleanup_allow: 0  
odbxx*compression: 1
```

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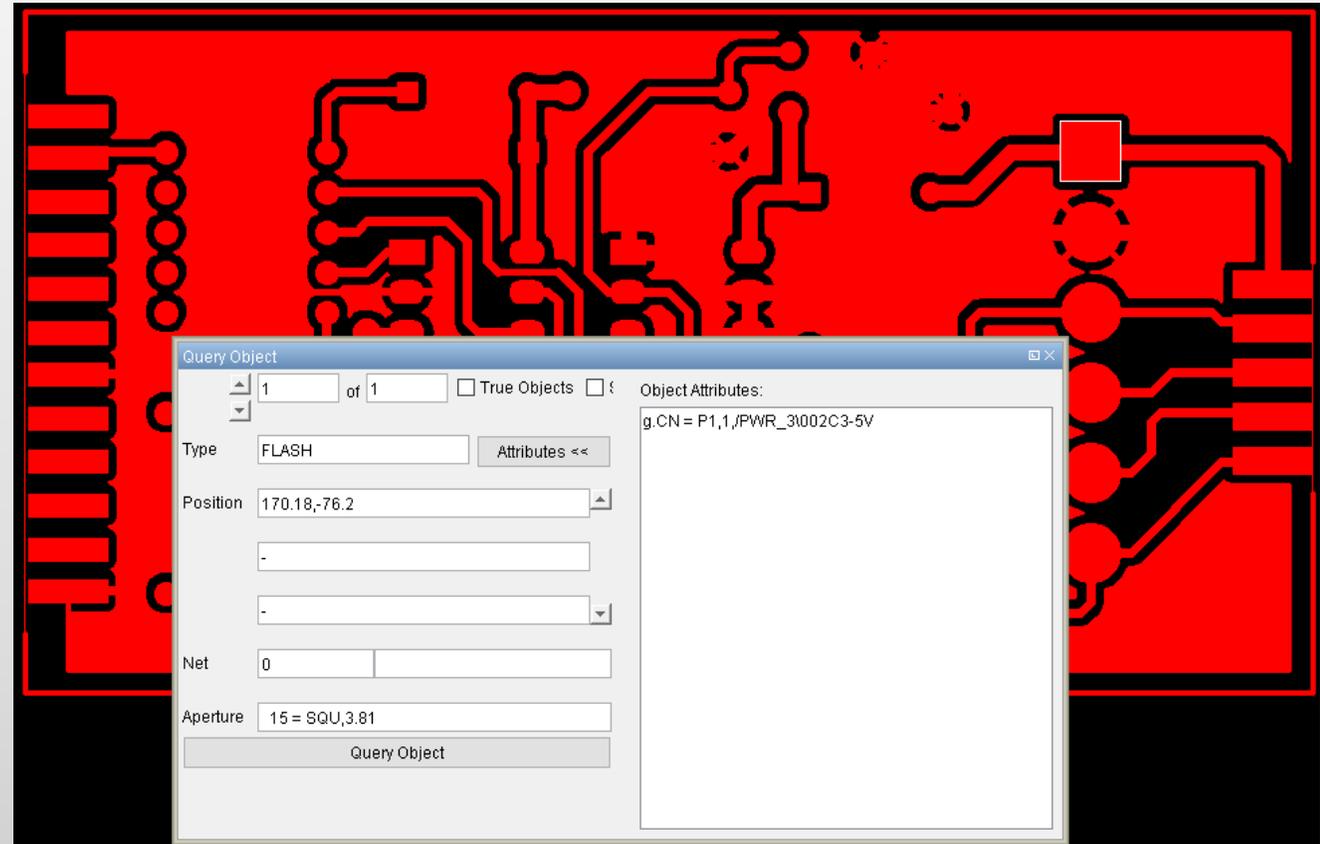
## Gerber X2 input conversion supporting Gerber Object attributes



### Gerber X2 input now reads Gerber Object attributes

The new %TO command defines object attributes in Gerber X2. These are used to include netlist and component information. Gerber object attributes are now converted to UcamX object attributes. An example with component info:

```
X170180000Y-81280000D03*  
%TO.CN,P1,3,/TD0-DONE*%  
X170180000Y-86360000D03*  
D15*  
%TO.CN,P1,1,/PWR_3\002C3-5V*%  
X170180000Y-76200000D03*  
D14*  
%TO.CN,P1,4,/TDI-DIN*%
```

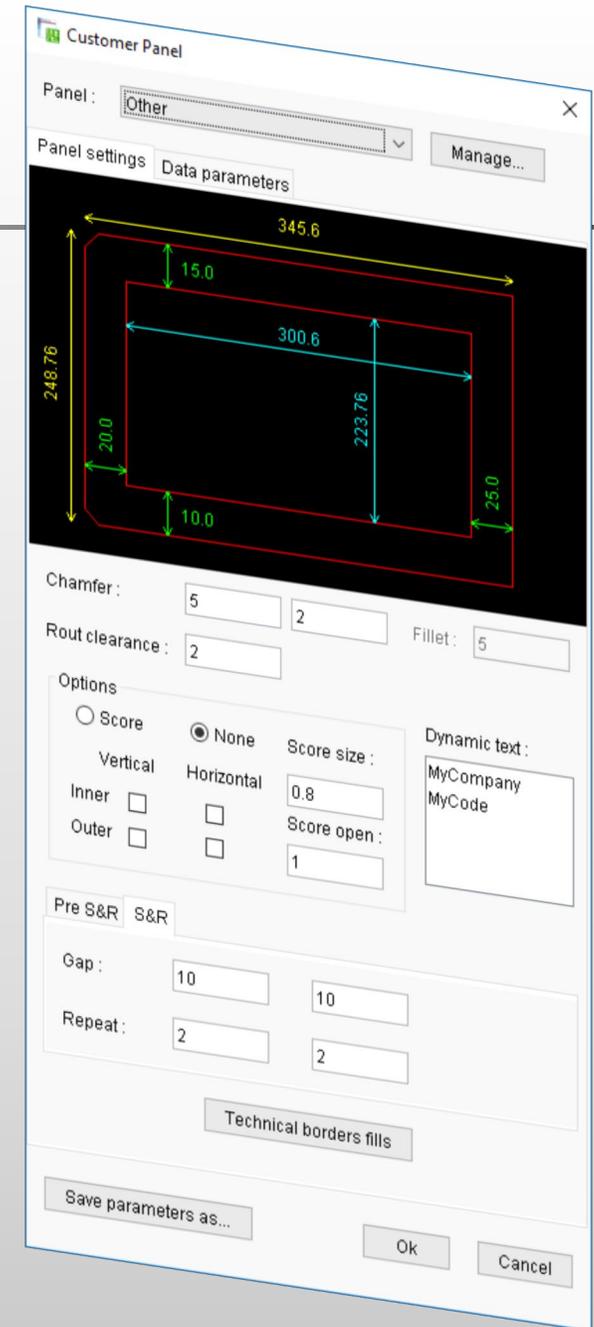
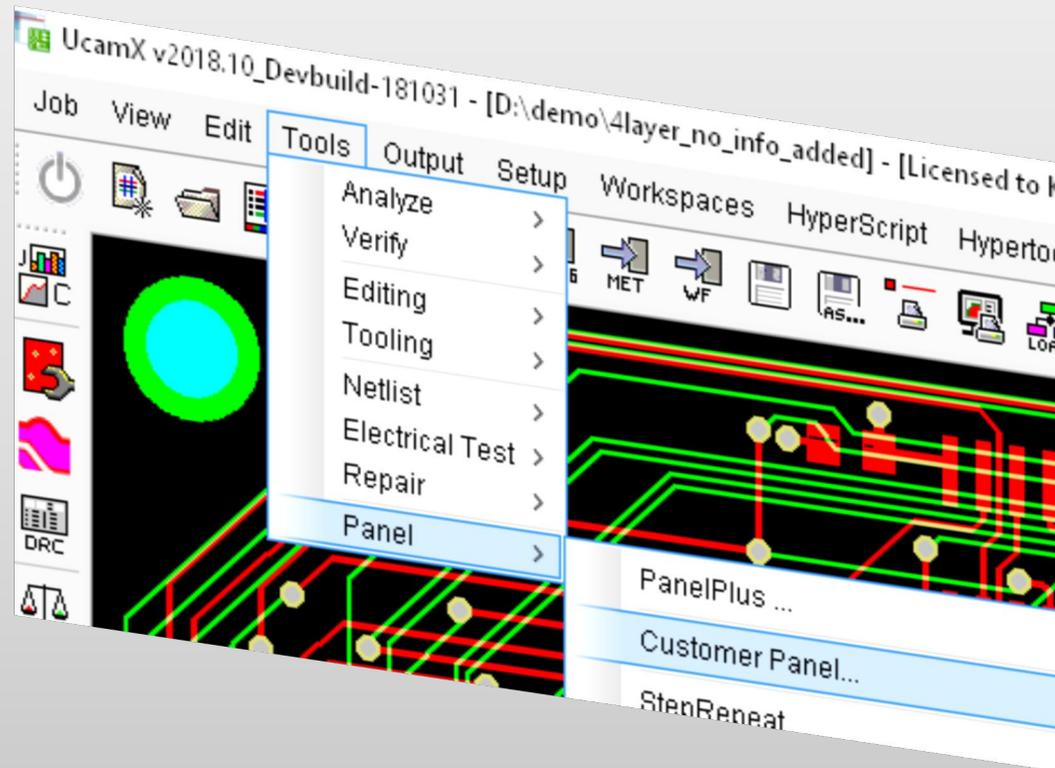


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## Customer Panel Module

### Customer Panel Module

Simply pick a panel parameter set and click “OK”.  
It was never easier  
to create  
customer panels.

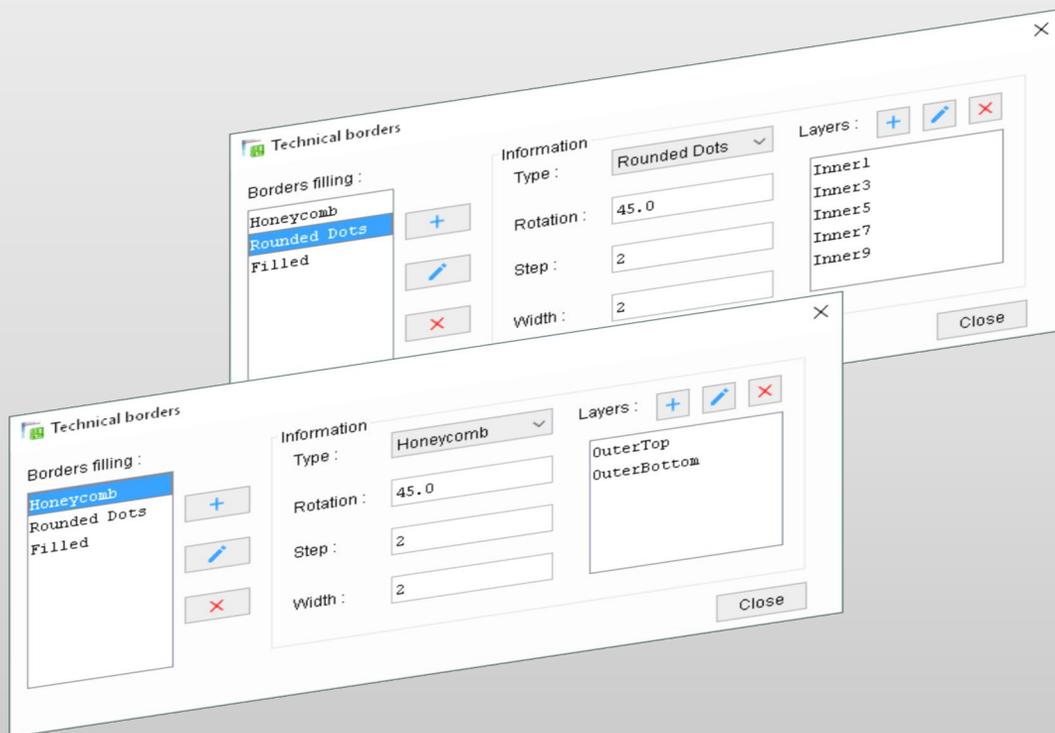


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## Customer Panel Module

All information predefined in Parameter sets or “on the fly”

- 2 Step & Repeat passes
- All panel dimensions directly shown



- Edge chamfering
- Copper filling of technical borders
- Adding dynamic text via placeholder
- Including fiducials, drills, scoring lines, ...

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## Abort time consuming processes

### Abort time consuming processes

Started a time-consuming process like Secure Etch Compensation (SEC) YELO or Show Rout Path inadvertently?



With using a simple “CTRL Y” you have the possibility to stop the process instead of killing **UcamX**.

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**YELO** Testlicense

You were not able to make use of the free-of-charge evaluation of **YELO** released with **UcamX** version 2018.06 ?

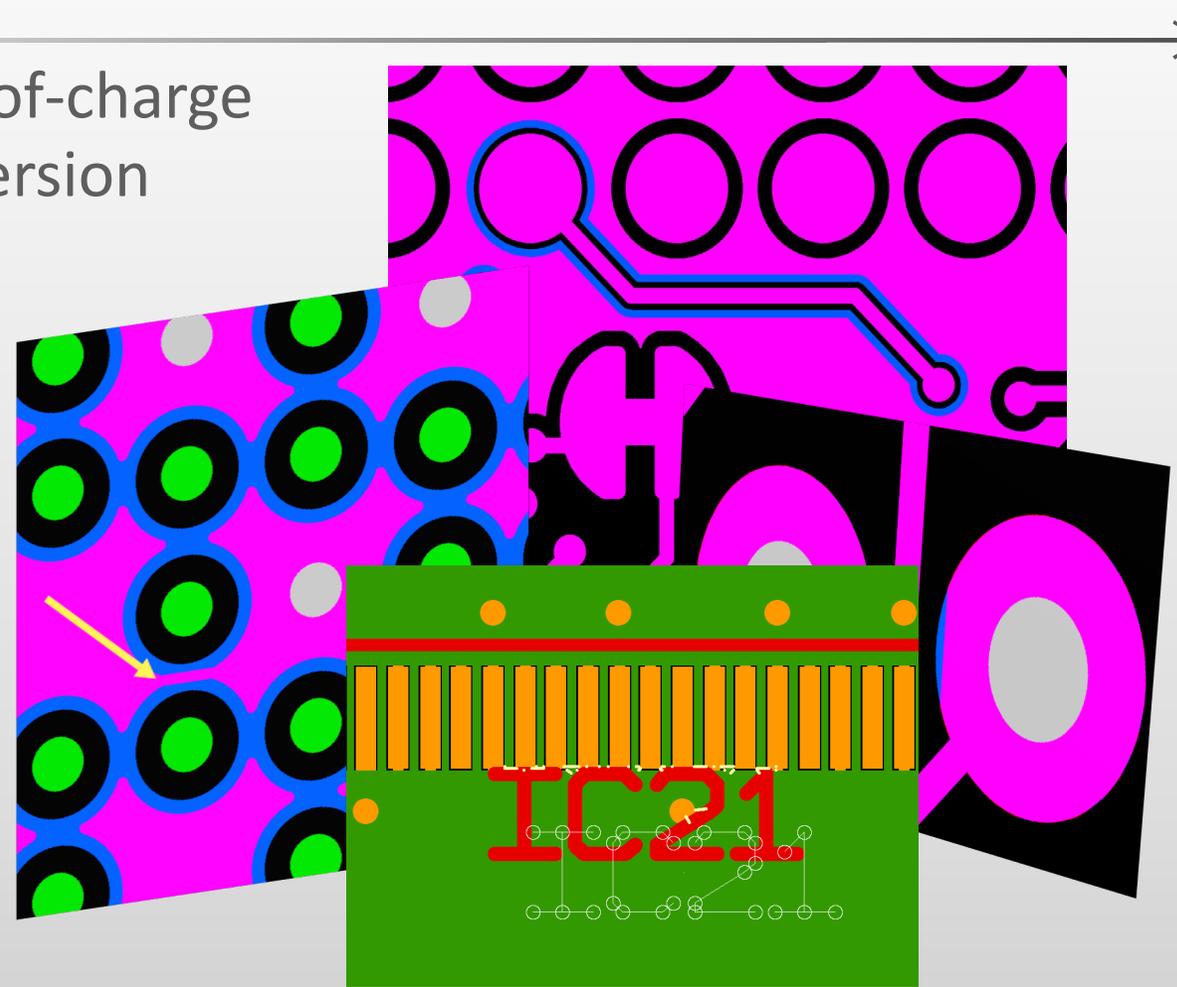
Do not let that hinder you to test the **YELO** features.

Please contact Ucamco support to get a test license for each of the **YELO** features:

- ❖ Copper Adjuster
- ❖ Legend Adjuster

**GO BEYOND – GO **YELO** ...**

for Details have a look at the [YELO presentation](#) and [YELO in action movie](#)



# UcamX v2018.10 Release Notes

and more ...



**UcamX** v2018.10 comes with a host of code fixes, in the version help. We recommend therefore to upgrade to this version at your earliest convenience.

If you are still on an older version of UcamX or still on Ucam, please have a look at the release notes and bug fixes of recent versions.

- [UcamX v2014-12](#)
- [UcamX v2015.04](#)
- [UcamX v2016.01](#)
- [UcamX v2016.06](#)
- [UcamX v2016.12](#)
- [UcamX v2017.04](#)
- [UcamX v2017.10](#)
- [UcamX v2018.03](#)
- [UcamX v2018.06](#)

All Release Notes and code fixes are listed on the [Downloads](#) page of the Ucamco website.

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