

# CIP Version 6.0 Release Notes

---

## **About the CIP™ 6.0 Release**

The Component Information Portal offers Cadence® OrCAD® Capture CIS users a comprehensive, "off-the-shelf" CIS management environment that includes distributor integration and a component library with a pre-defined set of fields.

Version 6.0 of CIP now uses Flexlm licensing. Flexlm License manager must be installed.

## **Prerequisites**

- To take advantage of the capabilities offered with the integration of CIP, Cadence OrCAD Capture CIS and EDABuilder, the client machines will need to have the following configuration:
  - Cadence OrCAD Capture CIS 16.6 ISR 62 or higher
  - EMA EDABuilder 16.6.62 or higher
  - Windows Windows 7 SP1, 8.1, 10,
  - Allegro Free Viewer

## **New Features**

- **Integration with Active Directory -**

Users can now be added as either Windows users or CIP users (non-Windows). Users added as Windows users will not need to enter credential at the log in screen. They can just select the Windows button and authentication will be handled automatically by CIP.

The screenshot shows the 'Component Information Portal' login interface. It has a dark red header bar. Below the header, there are two main sections for authentication. The left section is titled 'Use a local account to log in.' and contains input fields for 'Username' and 'Password', followed by a 'Log in' button. The right section is titled 'Use Windows Authentication.' and contains a single 'Windows' button.

- **Added a new distributor, RS Components -**

RS component, a leading distributor of Electronic, Electrical & Industrial components,

# CIP Version 6.0 Release Notes

has been added to the distributor search tab. Users will now be able to search and download part information from RS components and add them to the CIP database.

**Distributor Search**

|              |                                                                                                                                                                                                                           |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Distributors | <input type="checkbox"/> Arrow <input type="checkbox"/> Digi-Key <input type="checkbox"/> Future <input type="checkbox"/> Mouser <input type="checkbox"/> Newark <input checked="" type="checkbox"/> RS Components (Beta) |
| Search Type  | Keyword                                                                                                                                                                                                                   |
| Search Text  | <input type="text"/> <input type="button" value="Search"/>                                                                                                                                                                |
| Options      | <input checked="" type="checkbox"/> In Stock <input checked="" type="checkbox"/> RoHS Compliant <input checked="" type="checkbox"/> Lead Free                                                                             |



- **Where used feature and parts list import –**

There are times when users may need to determine whether parts have been used in other designs when searching for a part. If you have parts lists that you would like to have CIP to search through to determine where parts are used, you may import your parts lists into CIP for this purpose. You may import as many lists as you would like CIP to search.

Users create an identifier, part number, for the parts list and then select an import file to bring the lists of parts into CIP. After import, when users view the detail information on the part, the Where Used tab will identify the list in which the part appears in.

**BOM**  
     

|             |               |
|-------------|---------------|
| PART_NUMBER | EMA-ASY-01217 |
| Revision    | 0             |
| Variant     |               |

**BOM Items**  
  
    
First Data Row: 2     

| PART_NUMBER       | RefDes    |
|-------------------|-----------|
| 1 Part Number     | Ref Des   |
| 2 EMA-00001234V22 | U1, U3    |
| 3 EMA-00006666V22 | U1, U3    |
| 4 EMA-00003456V22 | R1-R7     |
| 5 EMA-00001515V22 | C3-C6, C8 |
| 6 EMA-00006727V22 | U2        |
| 7 EMA-00005343V22 | L3-L6     |
| 8 EMA-00005344V22 | L2        |

**Capacitors**  
       

|               |                                                 |
|---------------|-------------------------------------------------|
| PART_NUMBER   | EMA-00001234V22                                 |
| Description   | CAP, Tantalum, SMD, 3.3 uF, 20 %, 25 V, 3528-21 |
| PCB Footprint | CAPM03528X210N                                  |

**Capacitors**  
       

| PART_NUMBER   | Revision | Variant | Description    |
|---------------|----------|---------|----------------|
| EMA-ASY-01217 | 0        |         | Small assembly |
| EMA-ASY-01234 | 0        |         | Simple board   |

- **Enhanced integration of EDABuilder with CIP for creation of new footprints –**

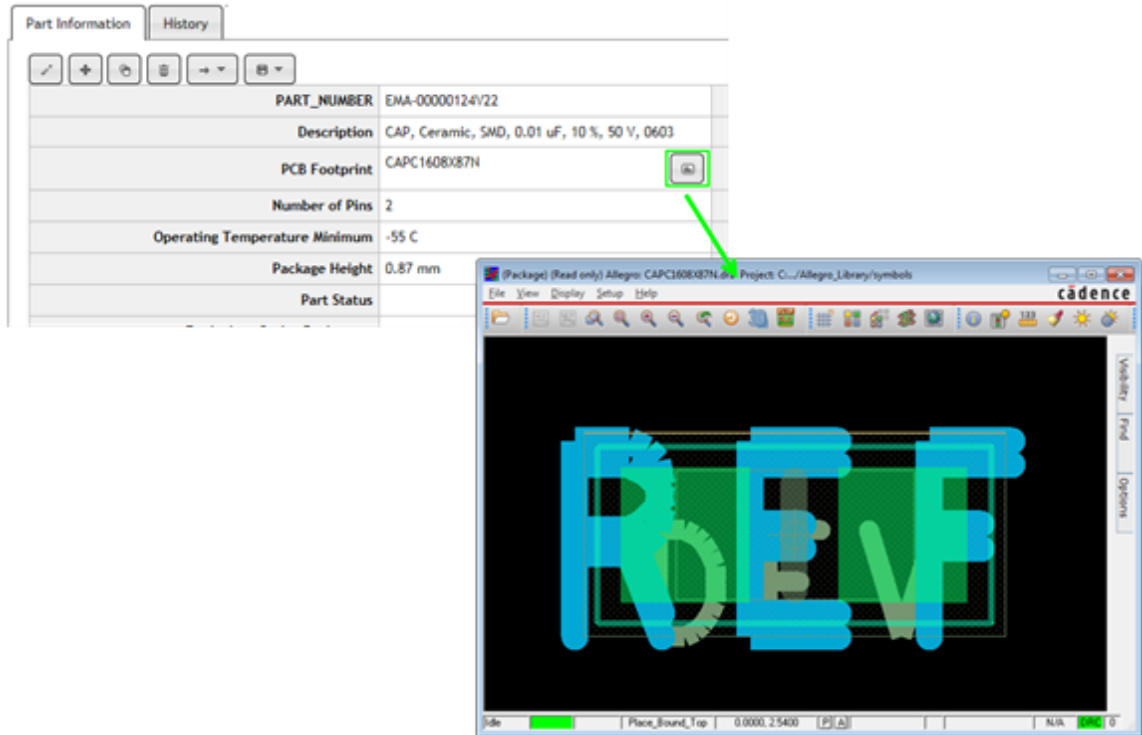
Integration of EDABuilder with CIP has been enhanced. Both symbol and footprint can be created in EDABuilder and exported. The exported symbol and footprint names will be automatically updated in CIP. Additionally, the created symbol and footprint will be copied into the selected symbol library and footprint directory.

**\*\* Note:** EDABuilder is a separate software product that may be obtained through EMA Design Automation, Inc.

# CIP Version 6.0 Release Notes

- **Footprint preview –**

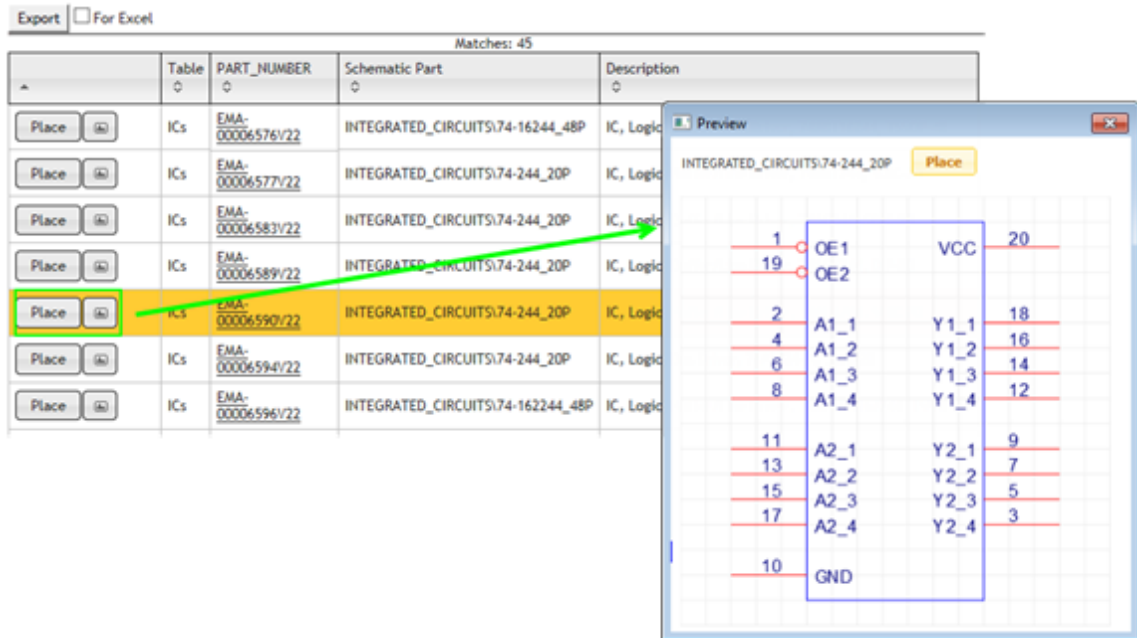
Footprints may be preview from CIP when opened inside Capture.



- **Addition of preview and place button to search results**

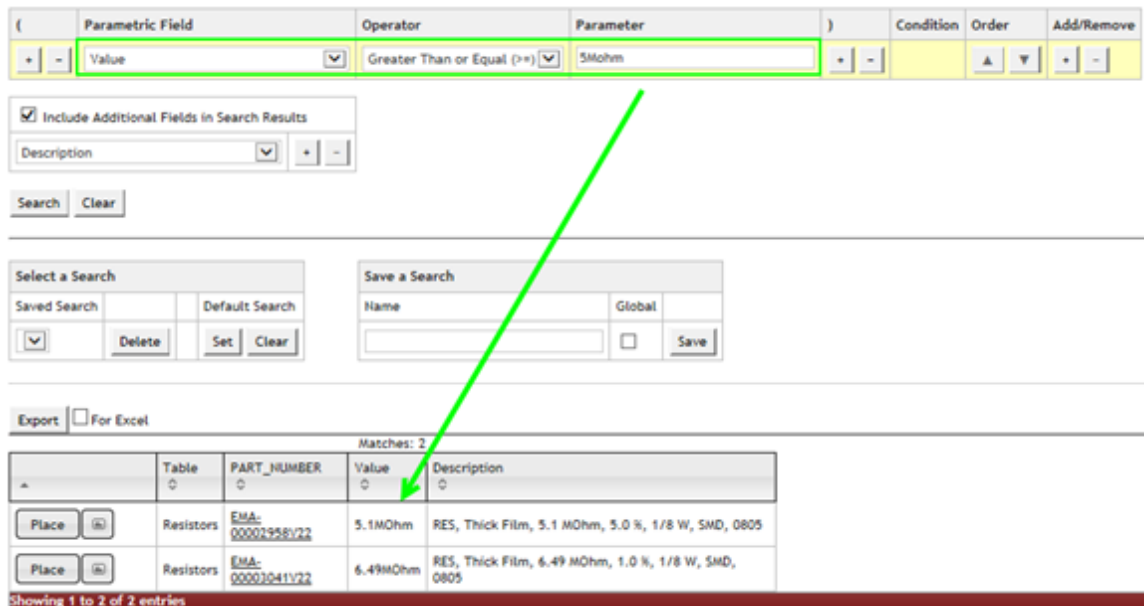
After searching for a part, you may place the part directly from the search result list without the need to view the part details.

# CIP Version 6.0 Release Notes



- Improved searching capability for Value field

The search criteria have been improved for the value field. The functionality for searches done on the value field is similar to results from CIS value search. You may now use a criteria such as greater than or equal to 5MOhm and see results for parts that meet this type of criteria.



- Unit price field added for distributors

A unit price field has been added to the distributor information. When temp part is added from the distributor search, CIP will automatically update the unit price of the selected part. This field when included as part of BOM Export to a BOM can be used without

# CIP Version 6.0 Release Notes

modification for calculations.

- **Manufacturer part property unique to company parts may be specified.**

For cases where you need to add a manufacture part to multiple company part numbers, you can specify properties that are unique to each relationship. For example, a manufacture part may be considered as preferred for one company part number but may not be for another, a user definable component manufacture part property can be configure for this purpose.

- **Added a last search link**

A link for your last search criteria has been added to the component page. After opening a part from a search, you may go back to the search list by selecting the last search link.

The screenshot shows the 'Capacitors' component page. At the top right, there is a search bar with the value 'EMA-00001240V22'. Below the search bar, there is a 'Last Search' link highlighted in green. The page also displays a table with columns for 'PART\_NUMBER', 'Desc', 'Part Type', and 'Value'. The table contains one row with the following data: PART\_NUMBER: EMA-00001240V22, Desc: CAP, Ceramic, SMD, 30 pF, 5.0 %, 50 V, 0603, Part Type: EMA\Ceramic\SMD\0603, Value: 30pF.

- **Improved usability of Admin page**

Settings on the Admin preference page has been broken out into separate tabs. Customizable fields may be modified and saved individually, or across all tables.

The screenshot shows the 'Admin - Configuration' page. At the top, there are five tabs: 'Customizable Fields', 'Email Notifications', 'Incremental Part Number', 'Manufacturer Part Status Indicator', and 'Other'. The 'Customizable Fields' tab is selected and highlighted in green. Below the tabs, there is a dropdown menu for 'Tables' with 'Capacitors' selected. Below the dropdown, there is a table with columns: 'Field ID', 'Visible', 'Display Name', 'Display Type', 'Edit Type', 'Pick List Values', and 'Default'. The table contains four rows of data:

| Field ID                      | Visible                             | Display Name                  | Display Type | Edit Type | Pick List Values | Default |
|-------------------------------|-------------------------------------|-------------------------------|--------------|-----------|------------------|---------|
| Description                   | <input checked="" type="checkbox"/> | Description                   | Text         | Text      |                  |         |
| Number of Pins                | <input checked="" type="checkbox"/> | Pin Count                     | Text         | Text      |                  |         |
| Operating Temperature Maximum | <input checked="" type="checkbox"/> | Operating Temperature Maximum | Text         | Text      |                  |         |
| Operating Temperature Minimum | <input checked="" type="checkbox"/> | Operating Temperature Minimum | Text         | Text      |                  |         |