

# IC

## Component database

### Displaying data

Enter the exact designation of the desired component in the **Search term (type)** field. The associated description, diagram and pinout will be displayed.

If additional information is available for the selected component, such as a data sheet, it will be listed in the **Information** field. Double-click on the file name to open it.

### Adding a new component

Click on **New** in the **File** menu. *The input fields are highlighted in blue.*

Enter the type designation, package, description and pinout in the corresponding fields.

Click on **OK** to copy the new type to the database.

### Adding external information for a particular component

For this purpose, store the corresponding file in the \*\\ECD4\\Sheets\\ directory (the component name and file name must match exactly). If external information is available for a retrieved component, this is indicated in the **Information** field. All file formats are supported.

### Modifying component data

Now you can modify or augment the component data. The number of components of the type in question can be entered in the **Quantity** field. Click on the **Accept** button to store the changes in the database.

### Package drawing

When you add or modify a component, you can select a matching package drawing from the **Package** list. If you want to create a new package drawing, store a file (\*.bmp) containing the corresponding drawing in the \*\\ECD4\\Case\\ directory. The new drawing will be automatically accepted.

## Searching

- By description

Open a search by description in the Edit/Search menu.

You can search for terms that appear in the IC descriptions.

For example, if you enter AF power as the search term, all components whose descriptions contain this character string will be listed. With this particular example, all audio amplifiers will be shown in the search results. You can retrieve the data for a specific type by double-clicking on it.

- By type number

Open a search by type number in the Edit/Search menu.

Here you can search for a character string that occurs in the type designation of the IC in question. Searching by type number is worthwhile if you do not know the full type designation of the component.

For example, if you enter 555 as the search term, all components whose type designations contain this character string will be listed. You can retrieve the data for a specific type by double-clicking on it.

- By package type

Open a search by package type in the Edit/Search menu.

Here you can select components having a particular package type. You can retrieve the data for a specific type by double-clicking on it.

- By pinout

Open a search by pinout in the Edit/Search menu.

Here you can search for terms located in the IC pinout field.

For example, if you enter 17. GND as the search term, all components that have this character string in their pinout descriptions will be listed. That means that all components having pin 17 as the ground pin will be shown. You can retrieve the data for a specific type by double-clicking on it.