

Application Note AN-191989

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How to install CISSOID's IC Products Schematic symbol and Footprint Library in Altium

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Illustration: CISSOID SiC Gate Driver Board (Altium 3D View)

(Modified)

Introduction

This document explains where to get and how to install the Altium Library including the schematic symbol and footprints of all Integrated Circuits products from CISSOID. This Library also includes 3D views of the products.

How to request & download the Library

The Library can be requested on the following web page:

http://www.cissoid.com/download/private-documents/ic-products-altium-library/

You will need to fill the small questionnaire as shown below and submit your request:

| LOGIN / REGISTER You have requested access to "IC Products Altium Library". Please login or register to have access | s to this document. | |
|--|---|--------------------|
| EXISTING CUSTOMER | NEW CUSTOMER | |
| If you have already registered, please fill in your login details | PERSONAL INFORMATION | |
| Login * | First Name * | Last Name * |
| Password * | Email Address * | |
| LOGIN | Company * | |
| FORGOT YOUR PASSWORD? | Position/function * | |
| Enter your account email address below. We will email it to you right away! | Website of the company * | |
| Email * | Phone number * | |
| RETRIEVE PASSWORD | I accept your Privacy Policy Read more. * | |
| | LOGIN INFORMATION | |
| | Please create a password for your account | |
| | Password * | Confirm Password * |
| | | CREATE MY ACCOUNT |

Then, once your request is accepted, you will receive an e-mail allowing you to download it.

The downloaded file is: "Cissoid Products.IntLib"

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Set the Units in your Altium schematics

First, it is recommended to set the Units in order that the symbols match the grid spacing.

Go to: Design > Document Options > Units Pick: Use Imperial Unit Systems And select the Imperial unit used: Dxp Defaults

| Document Options | × |
|--|--|
| Sheet Options Parameters Units Template | |
| Imperial Unit System | Metric Unit System |
| Vse Imperial Unit System | Use Metric Unit System |
| The available imperial units are mils, inches, DXP default (10 mils), and Auto-Imperial. If Auto-Imperial is selected, the system will switch from mils to inches when the value is greater than 500mils. | The available metric units are mm, cm, metres, and Auto-Metric. If Auto-Metric is selected, the system will switch from mm to cm when the value is greater than 100mm and from cm to metres when the value is greater than 100cm. |
| Imperial unit used Dxp Defaults | Metric unit used Millimeters |
| Unit System The schematic document 'Demo Project.SchDoc' is currently | y using Dxp Defaults as its base unit. |
| 🔲 Link To Vault | |
| | OK Cancel |

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How to Install the Library

In Altium Designer, go to: File > Open ...

And browse and select the file "Cissoid Products.IntLib"

Then, the window below will open. It is recommended to select "Install Library"

| Extract S | ources or Install |
|-----------|--|
| (i) | What do you wish to do with this integrated library? Extract Sources will extract the source libraries used to compile the integrated library, and create an integrated library project |
| | Install Library will install the library. This will add it to the Libraries panel, allowing you to use components and footprints from this library. |
| | <u>Extract Sources</u> Install Library <u>Cancel</u> |

Then, if you click on the Library button, the "CISSOID Library.IntLib" will appear in the list as shown on the picture below.

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How to install CISSOID's IC Products Library in Altium

(Modified)

Schematic View

Then, you can use the symbols in your schematic.



Right clicking on the symbol and selecting "Properties" shows you the product properties and characteristics (versioning and related datasheet).

| Properties | | | Parameters | S | | | |
|---|---|-----------------------|---------------------------------|---|--|---------------|---------------------------|
| | | | Visible | Name | Value | Туре | |
| Designator | U? Visible | Locked | | ComponentLink1Description | Manufacturer URL | STRING | |
| Comment | T-RIGEL-STA5602-TDEP16 Visible | | | ComponentLink1URL | http://www.cissoid.com | STRING | |
| | | - | | ComponentLink2Description | Datasheet | STRING | |
| | << < > > Part 1/1 | Locked | | ComponentLink2URL | http://www.cissoid.com/files/files/product | s/sta STRING | |
| escription | able, Linear voltage regulator +0.9V to +28 | V/100mA | | Symbol version | v1.0 | STRING | |
| Interne Tel | | | | Verification date | 29-Aug-2018 | STRING | |
| nique la | BIXUMKBU | Reset | | Verification document | CHT-RIGEL-Datasheet-DS-131481-V1.5 | STRING | |
| ype | Standard | • | | | | | |
| esign Item ID | CHT-RIGEL-STA5602-TDFP16 Cissoid products.IntLib | Choose | | | | | |
| Design Item ID Library Name | CHT-RIGEL-STA5602-TDFP16 Cissoid products.Inttib | Choose | Add | Remoye Edit | Add as <u>B</u> ule | | |
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| esign Item ID] Library Name] Table Name ir aphical ocation X rrientation Mode | CHT-RIGEL-STAS602-TDFP16 CHT-RIGEL-STAS602-TDFP16 Cissoid products.Intlib Va 260 V 345 0 Degrees V J45 V Lock Pins | Choose) idate Link | Add Models Name TDFP16 | Remoye Edit Type / Description V Footprint | Add as <u>B</u> ule Vault | Item Revision | Revision St. [Unknown] |
| esign Item ID Library Name Table Name Graphical ocation X Irientation Iode | CHT-RIGEL-STA5602-TDFP16 Cissoid products.Intlib 260 Y 345 0 Degrees V Lock Pins Normal V Lock Pins on Show All Pins On Sheet (Even if Hidden) | Choose | Add Models Name TDFP16 | Remoye Edit Type / Description Footprint | Add as <u>B</u> ult | Item Revision | Revision St. [Unknown] |

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Opening device datasheet in Altium Designer

Right clicking and selecting "References > Datasheet" allows you to open the product datasheet in Altium.





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Contact

CISSOID S.A.

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|--------------------------------|---|
| Sales Representatives: | Visit our website: http://www.cissoid.com |

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