

Reference: July 2017] Guide by Miles Nicholson

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Override Family Tag Codes

AutoCAD Electrical 2018

A components tag can be manually overwritten on a per components basis, the tag imported from an external source, the family tag changed on a per project basis or the symbol permanently changed with a revised tag prefix. If changing a symbols permanent tag prefix, children should also be changed to the same family code. Furthermore, this can also be done by <u>Microsoft Excel editing</u>.

Manually Overriding A Component

<i>Right click</i> over the component	9	Edit Component
---------------------------------------	---	----------------

Type in the value and select ☑ Fixed

Component Tag	
Q1	

All associated components such as children, footprints etc. will automatically be updated.

Changing The Automatic Prefix Of The Numbering On An Individual Component

Right cli	ck ove	r the component	9	Edit Com	oonent
	Compon	ent Tag			
	Q1	fixed			
	Use PLC Address				
	Tags Used:	Schematic			
		Panel			
		External List			
Select		Options			
JEIECL					

An example being "CB%N". This would number the device with a prefix of "CB" and then either the sequential or reference based automatic number.











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Option: Tag Format "Family" Override						
You can substitute a fixed text string for the %F part of the Tag format. Retag Component can then use this override format value to calculate a new tag for this component.						
%F%N = this drawing's default TAG format						
CB%N Tag override format						
OK Cancel Help						

Importing The Tag On An Individual Component

Right cl	<i>ick</i> ove	r the componen	t 🧐	Edit Component	
	Component Tag				
	Q1 fixed				
	Use PLC Address				
	Taos	Schematic			
(Used:	Panel			
		External List)		
Select	Options				

The list must be saved as either a *.TXT or *.CSV file and should be structured. You are then able to map the text fields to what it means to AutoCAD Electrical

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	Component Annotation from External File						<
	Choices Q100 MAIN CIRCUIT BREAKER TELEMECANIQUE GV2ME20		ovw	add	>>Desc1	MAIN CIRCUIT BREAKER	
			ovw	add	>>Desc2		
		>>	ovw	add	>>Desc3		
			ovw	add	>>Tag	Q100	
			ovw	add	>>MFG	TELEMECANIQUE	
			ovw	add	>>CAT	GV2ME20	
	1. Pick from list above 2. Then select		ovw	add	>>ASM		
	edit box contents b) "add" to append to		ovw	add	>>Loc		
	edit box contents		ovw	add	>>Inst		
			C	K	Cancel	Help	
Select OK]						

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01784 419 922





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Changing The Family Tag For All Components Of The Same Type

The wd_fam.dat file overrides the family tag code of library symbols by mapping the codes to new values. The tag code of a symbol is used in generating the tag-ID of inserted components, such as the "Q" of tag "Q100."

AutoCAD Electrical searches for this mapping file in the following order:

1. User subdirectory

C:\Users\<<user name>>\AppData\Roaming\Autodesk\AutoCAD Electrical 2018\R22.0\enu\Support\User

- 2. Active << project's>>.wdp file subdirectory
- 3. All paths defined under AutoCAD Options > Files tab > Support Files Search Paths

Depending on how you want to override component family names, you can move the wd_fam.dat file into the various locations mentioned above.

To always substitute a new family value for all projects you create, place the file in the User folder. (option 1)

To use AutoCAD Electrical defaults most of the time but sometimes override them with project-specific defaults, place the file in the project directory folder for the project you want to override. You can have different defaults for each project and therefore client. (option 2)

The WD_FAM.DAT file is a text file and can be created using Windows Notepad.

You can select a different name for a component family by editing the WD_FAM.DAT file. For example, if you wanted all diodes to be 'V's' instead of 'D's' you would need to add the following line to the file:

D,V

The change takes effect when you reload AutoCAD Electrical. New diode components you insert receive the "V" family code annotation instead of the library default of "D,".

Use \Im Retag Components to update previously inserted components.

Changing the Library Symbol Permanently

On some components, you may wish to permanently change the TAG value but in the symbol rather than a mapping file. Hover over the symbol in the icon menu to find out the symbol name. Browse to the library where the symbol is located and open the drawing file.

Edit the TAG1 value by double clicking on the attribute or using the command DDEDIT. Change the value from the old to the new. As an example, in the symbol VSV1, you may wish to change the solenoid valve tag prefix from K to Y. Save any changes made. All new instances of the block will adopt the new numbering methodology. Existing symbols may be updated using the <u>Update Block</u> command.







