

## Easy handling of the NX-Schematics library

! The milestone has finally been set !









Create / customize or extend the NX-  
Schematics library at the push of a button

We have created an option that will save you hours of time creating, expanding or adapting the library.



With this solution you can have all your library files created at the push of a button.

If you decide to go for this solution or approach, you get a basis for all library parts that existing in the Schematics. You can adapt this to your existing environment or, if you start off with Schematics, set it up directly so that you can easily generate the data you need at the push of a button.

The whole thing is based on an intelligent Excel VBA programming which includes all cases and possibilities that are available in the Schematics library environment.

-  Cable
-  Cavity\_Plug
-  Device
-  Terminal
-  Wire
-  Wire\_Seal

In each directory you will receive a template in which you can enter your desired data and link it to Excel.

-  cable\_shielded.template
-  Cable\_shielded\_Example.xlsm

## Methode:

1. Define your desired entries for each library type.

If you have already existing data, simply link it to Excel.

```
# PG Generated by Excel process 1.2 (Cavity Plug)
#
# Generated ${CreationDate} by ${UserName}
# Template: ${TemplateFile}
#
# Filter Attribute
TERMINAL      "Terminal"
#
# User Attribute
#
01_PART_NUMBER      "${01_PART_NUMBER}"
07_DESCRIPTION      "${07_DESCRIPTION}"
10_NAME             "${10_NAME}"
13_REMARKS          "${13_REMARKS}"
20_SUPPLIER         "${20_SUPPLIER}"
40_GENDER           "${40_GENDER}"
80_CONTACT_SIZE    "${80_CONTACT_SIZE}"
90_TOOL             "${90_TOOL}"
91_KEY_TERMINAL     "${91_KEY_TERMINAL}"
100_UNIT_WEIGHT     "${100_UNIT_WEIGHT}" #KG#
#
AWG_MIN "${AWG_MIN}"
AWG_MAX "${AWG_MAX}"
OD_MIN  "${OD_MIN}"
OD_MAX  "${OD_MAX}"
MM2_MAX "${MM2_MAX}"
MM2_MIN "${MM2_MIN}"
#
ASSOC_PIN "${ASSOC_PIN}"
#
ANT_STRUCTURE_PART "${ANT_STRUCTURE_PART}"
#
_REPORT "${_REPORT}"
```

```
01_PART_NUMBER      "${01_PART_NUMBER}"
```

- Extend, change or adapt the Excel template to your needs.

Category	Basic Infos		Template Variables	
Section	Output File Definition		Basics	
Active	*DirectoryName	*FileName	01_PART_NUMBER	07_DESCRIPTION
x	Terminals	0460-247-16141.desc	0460-247-16141	DT RECTANGULAR SOCKET CONTACT
x	Terminals	0460-247-16141_nobom.desc	0460-247-16141	DT RECTANGULAR SOCKET CONTACT
ENDOFTABLE				

01\_PART\_NUMBER in Excel = "{\$01\_PART\_NUMBER}" in the base template.

- Define a basic path

2	Library Base Directory	E:\
---	------------------------	-----

Must exist

- Define a basic path to the directory where the library file will go to.

5	Library Path:	Library
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Must exist

- Define the directory where the library file will be created.

Basic Infos
Output File Definition
*DirectoryName
Terminals
Terminals

This is created automatically

## 6. Define the attribute in Excel

Template Variables				User Attributes, für Stückliste					
Basics									
01_PART_NUMBER	07_DESCRIPTION	10_NAME	13_REMARKS	20_SUPPLIER	40_GENDER	AWG_MIN	AWG_MAX	OD_MIN	OD_MAX
0460-247-16141	DT RECTANGULAR SOCKET CONTACT	CRIMP POWER CONTACT		TE	Socket	20	16		
0460-247-16141	DT RECTANGULAR SOCKET CONTACT	CRIMP POWER CONTACT		TE	Socket				

Red cells are automatically created (assembled) and green cells can contain a value (but can also be empty)

- Define with X whether a line (library part) is active or not. An active part is created and existing ones overwritten.

Category
Section
Active
X
X



- Press "Generate Files"

Generate Files

All your data are created in the right place, in the right directory. Existing ones will be overwritten.

Category	Basic Infos	
Section	Output File Definition	
Active	*DirectoryName	*FileName
x	Terminals	0460-247-16141.desc
x	Terminals	0460-247-16141_nobom.desc

Name

-  0460-247-16141.desc
-  0460-247-16141\_nobom.desc

```
# PG Generated by Excel process 1.2 (Cavity Plug)
#
# Generated 15.02.2021 10:02:17 by rhofmann@oases.ch
# Template: I:\unigraphics_install\ug_schematics\00000001_A_Library_Creation\Easy_Library_Creation\Base_Data\German_Excel_Language\Terminal\terminal_template
#
# Filter Attribute
TERMINAL "Terminal"
#
# User Attribute
#
01_PART_NUMBER "0460-247-16141"
07_DESCRIPTION "DT RECTANGULAR SOCKET CONTACT"
10_NAME "CRIMP POWER CONTACT"
13_REMARKS ""
20_SUPPLIER "TE"
40_GENDER "Socket"
80_CONTACT_SIZE "${80_CONTACT_SIZE}"
90_TOOL "${90_TOOL}"
91_KEY_TERMINAL "${91_KEY_TERMINAL}"
100_UNIT_WEIGHT "0.005" #RG#
#
AWG_MIN "20"
AWG_MAX "16"
OD_MIN ""
OD_MAX ""
MM2_MAX ""
MM2_MIN ""
#
ASSOC_PIN "0460-247-16141"
#
ANT_STRUCTURE_PART "0460-247-16141"
#
_REPORT "TRUE"
```

*Simple, flexible but very efficient and time-saving.*

If you are interested in this solution, you can contact us at any time for an offer.

regards

Firma

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