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sPlan 8.0

sPlan () .

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8.0

[Welcome to sPlan 8.0](#) >> 7.0,

sPlan 8.0:

sPlan 8.0 Windows (Direct2D).
sPlan.

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sPlan
Windows,

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sPlan Unicode. sPlan

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sPlan 8.0

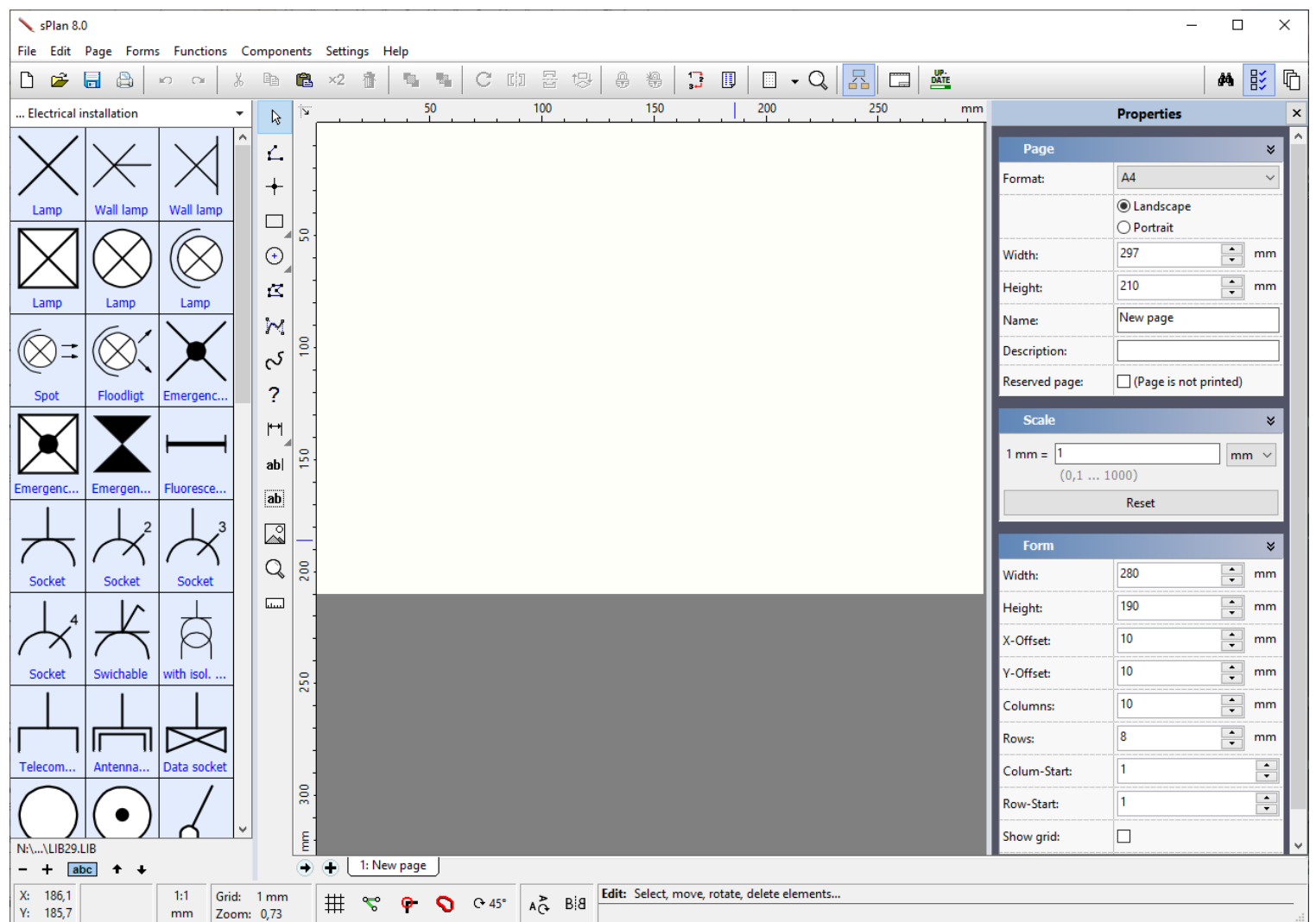
20

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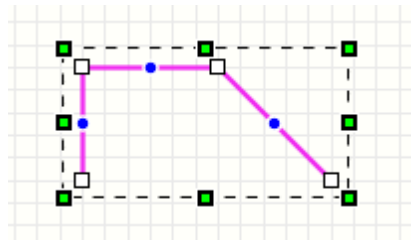




- _____
- _____
- Sizer and Changer (_____)
- _____
- _____



Page	
Format:	A4
	<input checked="" type="radio"/> Landscape <input type="radio"/> Portrait
Width:	297 mm
Height:	210 mm
Name:	New page
Description:	
Reserved page:	<input type="checkbox"/> (Page is not printed)



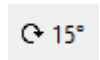
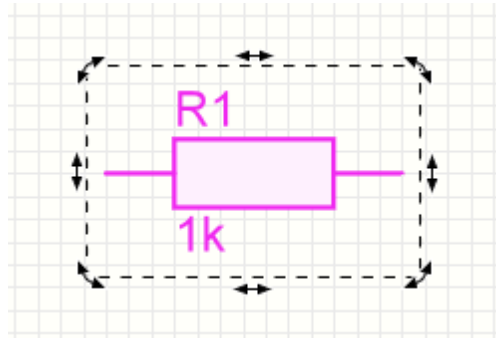
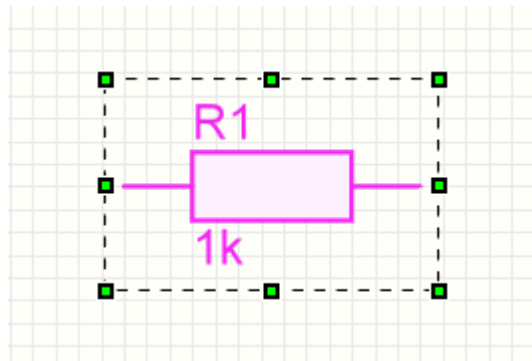
Sizer and Changer

[Drawing of circuit diagrams](#) >>



8 (), , ()

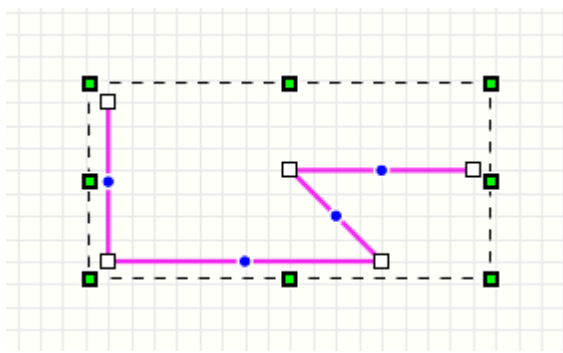
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CTRL , .

Changer ()





sPlan

Grid: 1 mm

Zoom: 1,26

General Settings

General Settings

Display

Directories

Library

Grid

Autosave

New page

Hotkeys

Grid

Contrast: Light

Subdivisions: Off

☒ Lines

☐ Dots

OK

Cancel





sPlan:

X: 8,2
Y: 121,9

1:1
mm

Grid: 1 mm
Zoom: 0,73



A↻ B↻


Edit: Select, move, rotate, delete element

Here you can read the current mouse coordinates at any time, but also make some settings:

1:1
mm

Grid: 1 mm
Zoom: 0,73









sPlan

↻ 15°

A
↻

A
↻

B
↻

B
↻


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$$\left(\begin{array}{c} \text{ } \\ \text{ } \\ \text{ } \end{array} \right)$$

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TextRect ()

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Drawing functions

[Drawing of circuit diagrams](#) >> [Drawing functions](#) >>



With sPlan you have all the elementary drawing functions you need to create sophisticated drawings:

[Lines](#)

[Connections](#)

[Rectangles, rounded Rectangles](#)

[Circles, Ellipses or Circle segments](#)

[Polygon \(closed area with or without filling\)](#)

[Bezier curves](#)

[Freehand lines](#)

[Special forms \(polygons, stars, tables, sine curves,...\)](#)

[Dimensions](#)

[Text \(simple text label\)](#)

[TextRect \(multiline text for larger texts and descriptions\)](#)

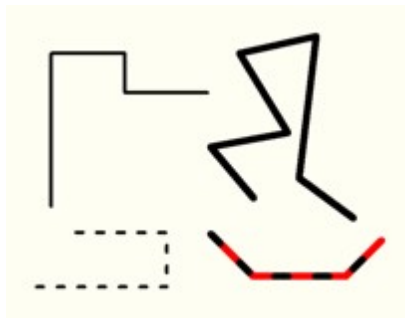
[Bitmaps \(for inserting logos or other graphics\)](#)

A separate mode is available for each of these elements. Use the button bar (between the library and the drawing area) to select the desired mode.

To select, edit and move the elements, please switch back to standard mode again. A click with the RIGHT mouse button on the drawing or with the <ESC> key is sufficient.

Tip:

The drawing area has its own local menu (context menu). You can do this by moving the mouse to the drawing area and clicking the RIGHT mouse button once. The local menu gives you quicker and more convenient access to many commands.



2

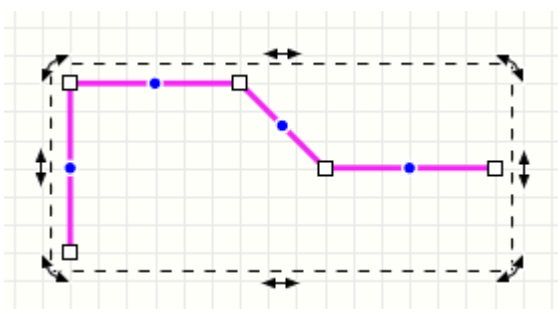
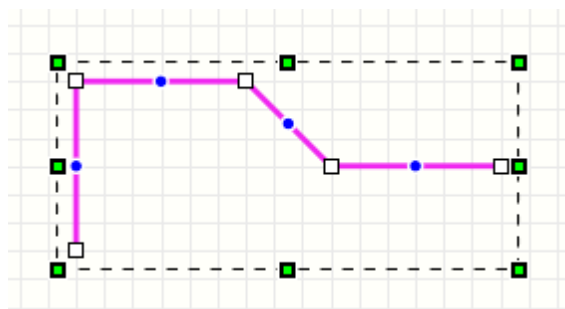
2

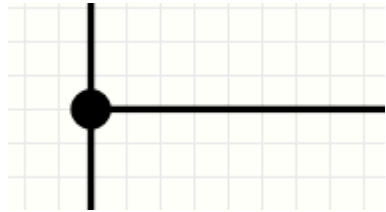
➤

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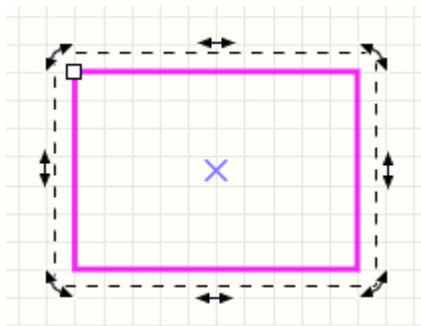
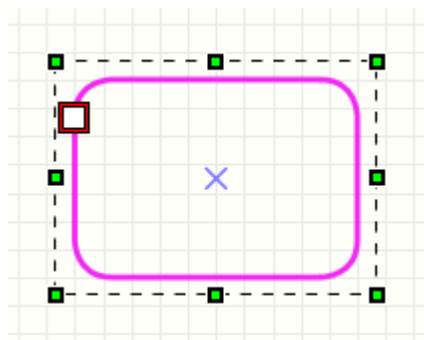
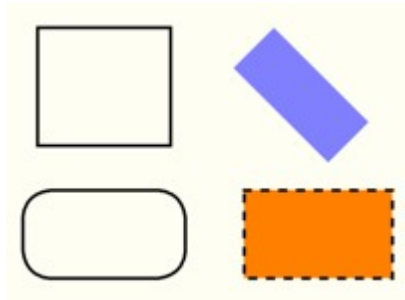
2

2





Auto-Size



[changer](#)

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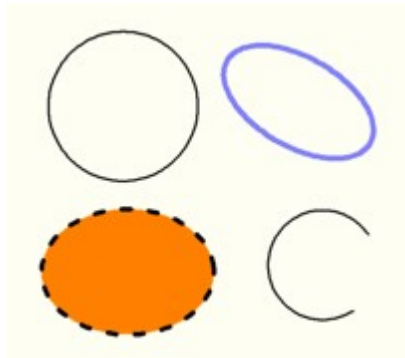
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[Drawing of circuit diagrams](#) >> [Drawing functions](#) >>



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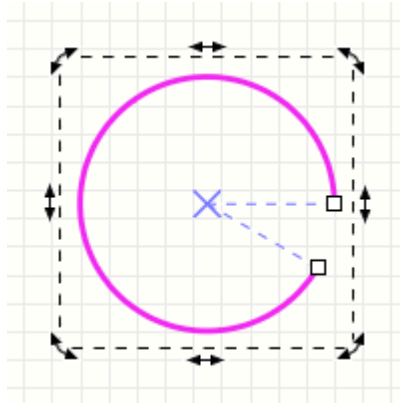
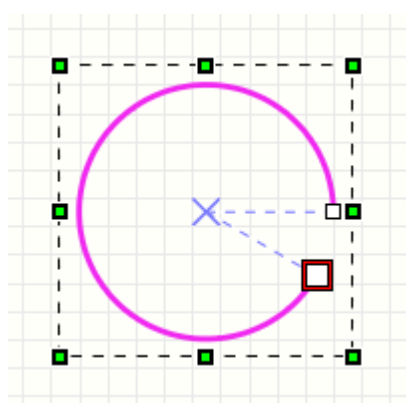
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[changers](#)

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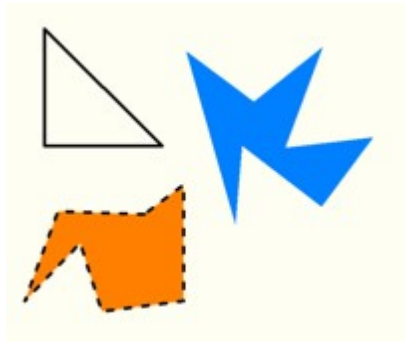
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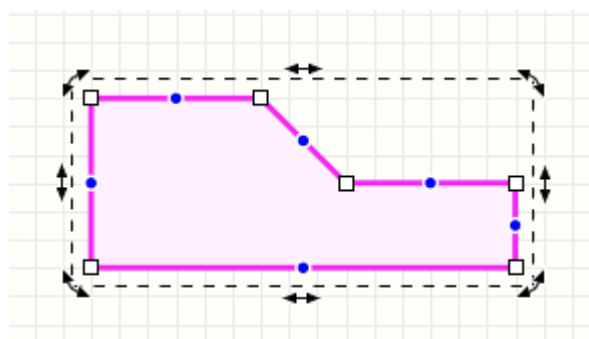
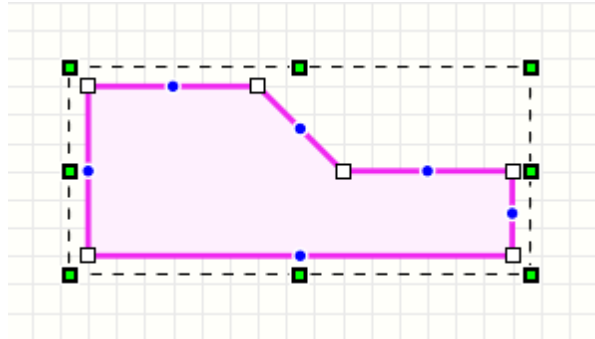
()

[Drawing of circuit diagrams](#) >> [Drawing functions](#) >>

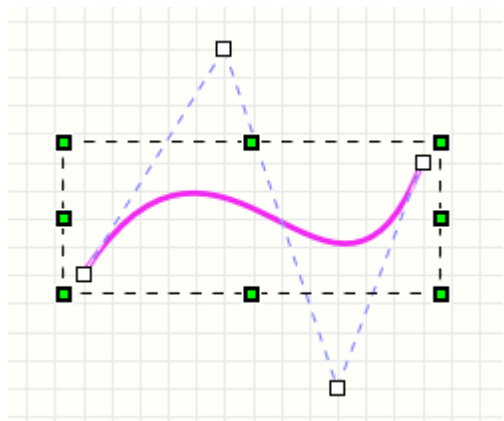


Draw a new polygon





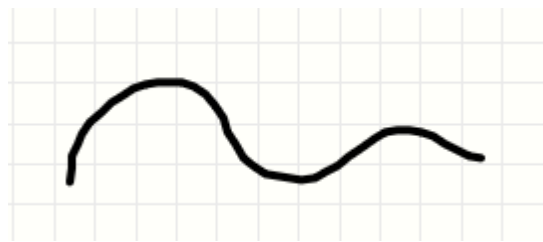
Copyright © ABACOM GbR, Germany. All Rights Reserved.



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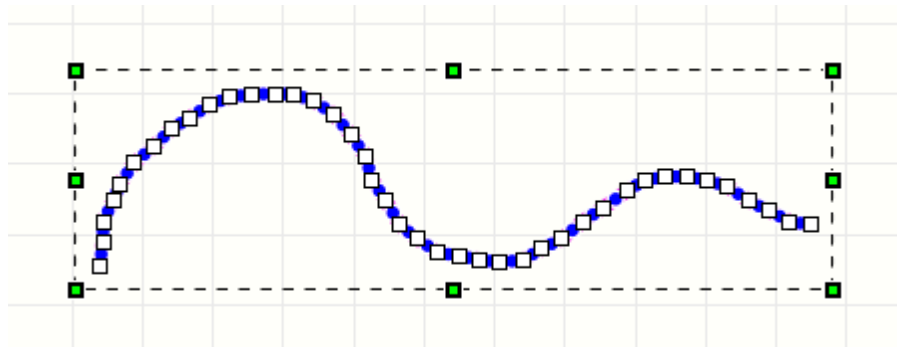


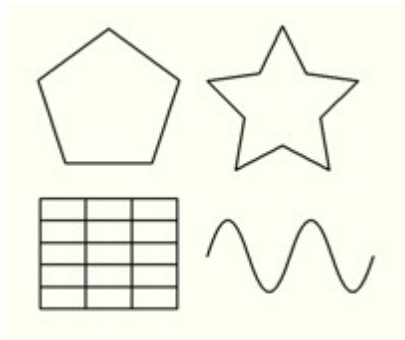
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, [changers](#) ,





Special shapes?×

PolygonStarGridWave

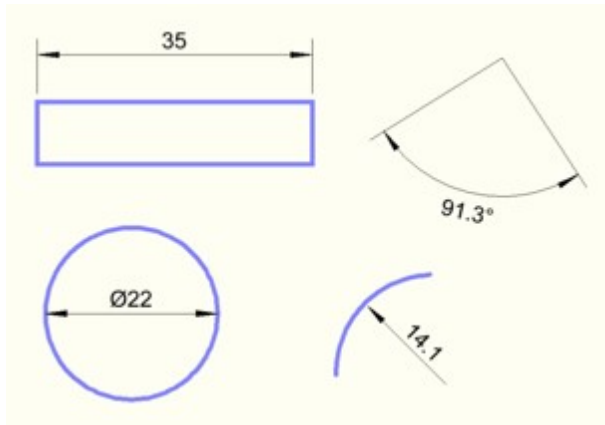
Edges: 5
Angle offset: 0°
☐ As line
☒ As polygon

OK

Cancel



sPlan
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2-3
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[changer.](#)



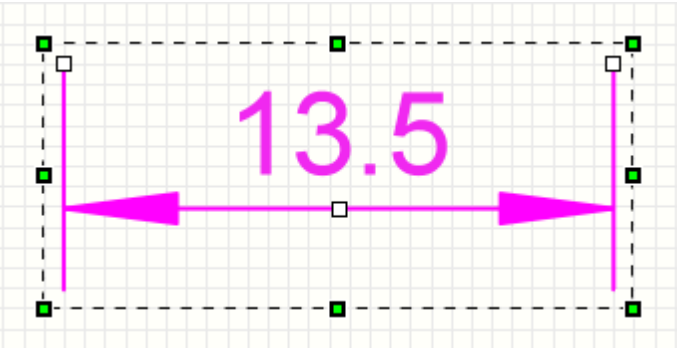
Normal

Radial

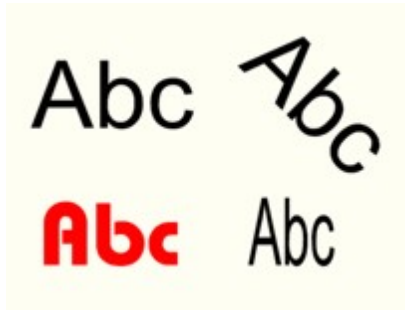
Diameter

Angular

2- 3- (, .).



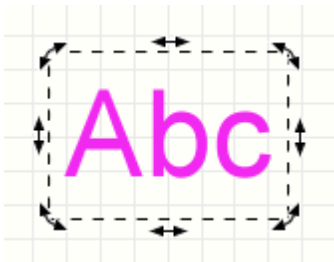
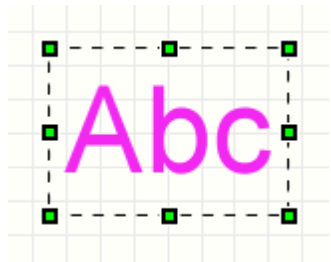
[changers](#)



ab|

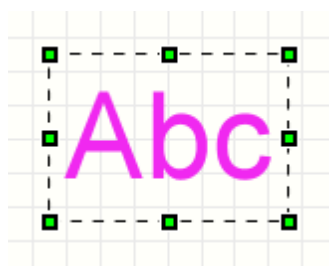
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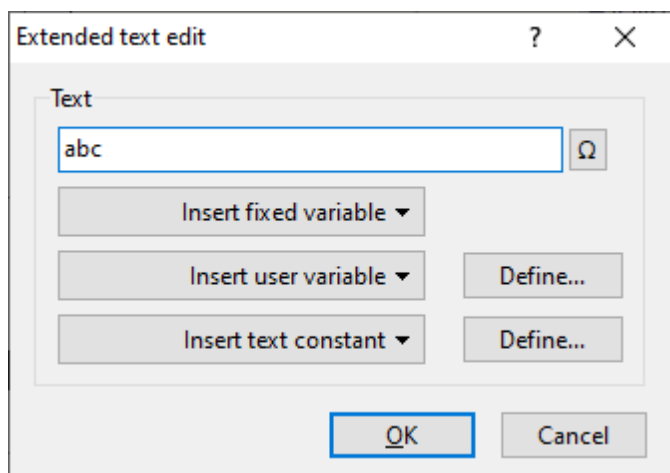
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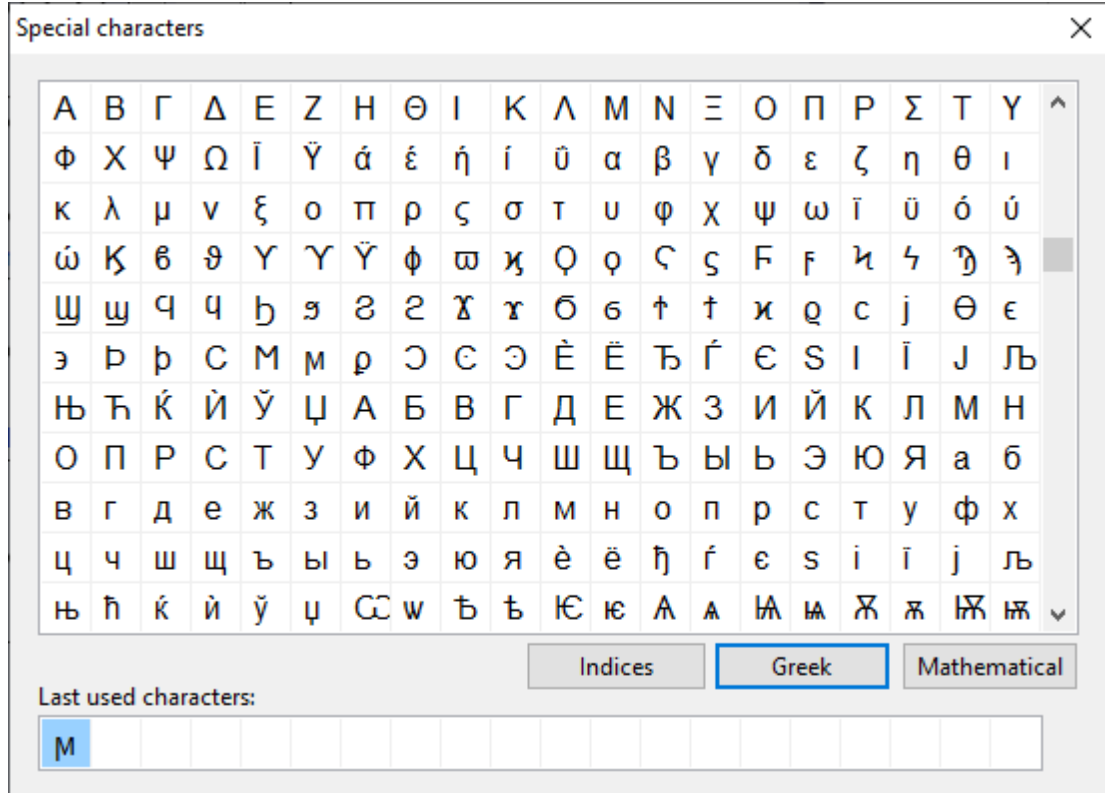
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(Unicode),

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TextRect ()

[Drawing of circuit diagrams](#) >> [Drawing functions](#) >>



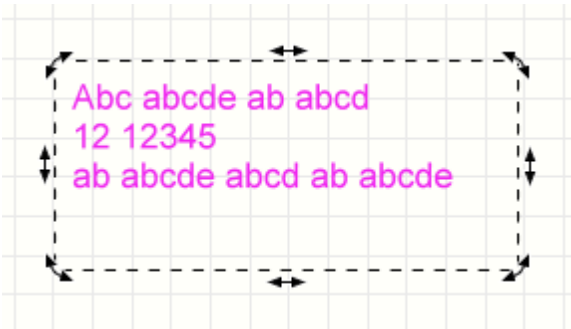
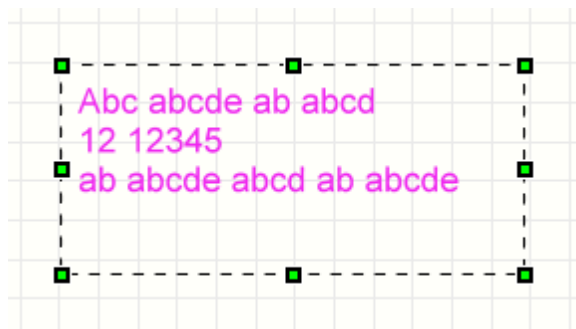
TextRect ()



TextRect.
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TextRect

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TextRects

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The screenshot shows the 'Special characters' dialog box with the 'Greek' tab selected. The grid contains various Greek letters and symbols, including uppercase and lowercase versions of the alphabet, as well as special characters like omega, kappa, and lambda. The 'Last used characters' section at the bottom shows the letter 'M' as the most recently used character.



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*.BMP *.JPG.
BMP JPG

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1,4 .

90A

(,) 90

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Bitmap-Explorer

[Bitmap-Explorer](#).

Bitmap-Explorer.

(DPI)

sPlan



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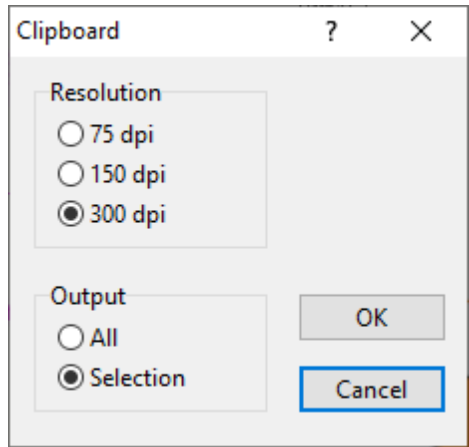
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[Drawing of circuit diagrams](#) >>



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Windows

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[Drawing of circuit diagrams](#) >>



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90 A .

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Rotate ... °

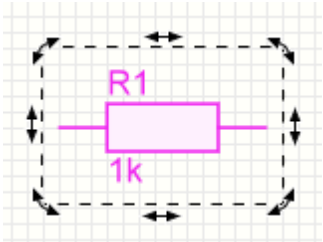
90

OK

Cancel

(. [Sizer and Changer](#))

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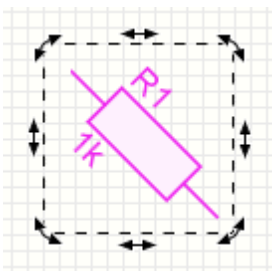
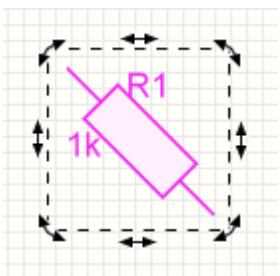
↻ 15°

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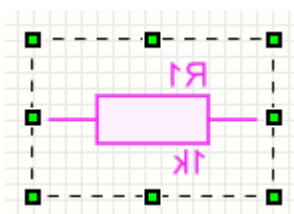
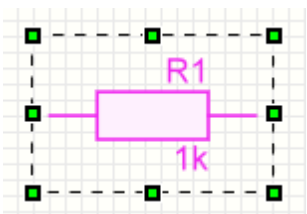
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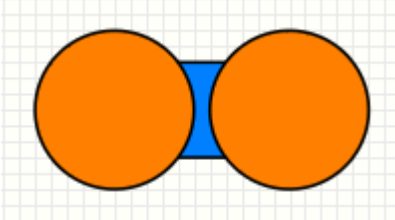
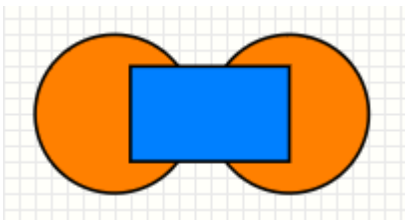
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Align Top

Align Bottom

Align Left

Align Right

Align Horizontal-Center

Align Vertical-Center

Spread evenly horizontally

Spread evenly vertically



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[Drawing of circuit diagrams](#) >>





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2

sPlan
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sPlan.

	A	B	C	D	E	F
1						
2						
3						
4						

Änderungen		Datum	Name	Bezeichnung	Status
Datum	Name	gel			Status
		gel			Status
				Änderungsplan	



« » « »
sPlan

Edit form layer, Exit

*.SBK.

« ... » « ».

«...» «...»

Form

Width:

280

mm

Height:

190

mm

X-Offset:

10

mm

Y-Offset:

10

mm

Columns:

10

mm

Rows:

8

mm

Column-Start:

1

Row-Start:

1

Show grid:

☐

Generate...

<COLNUM>

<COLCHAR>

<ROWNUM>

<ROWCHAR>

Drawing of circuit diagrams >>



sPlan.

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4 sPlan, , «Amplifier.spl8».

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[illegible]

Insert page

Position

☐ First page

☒ Last page

☐ Before

☐ After

Page: 1

OK Cancel



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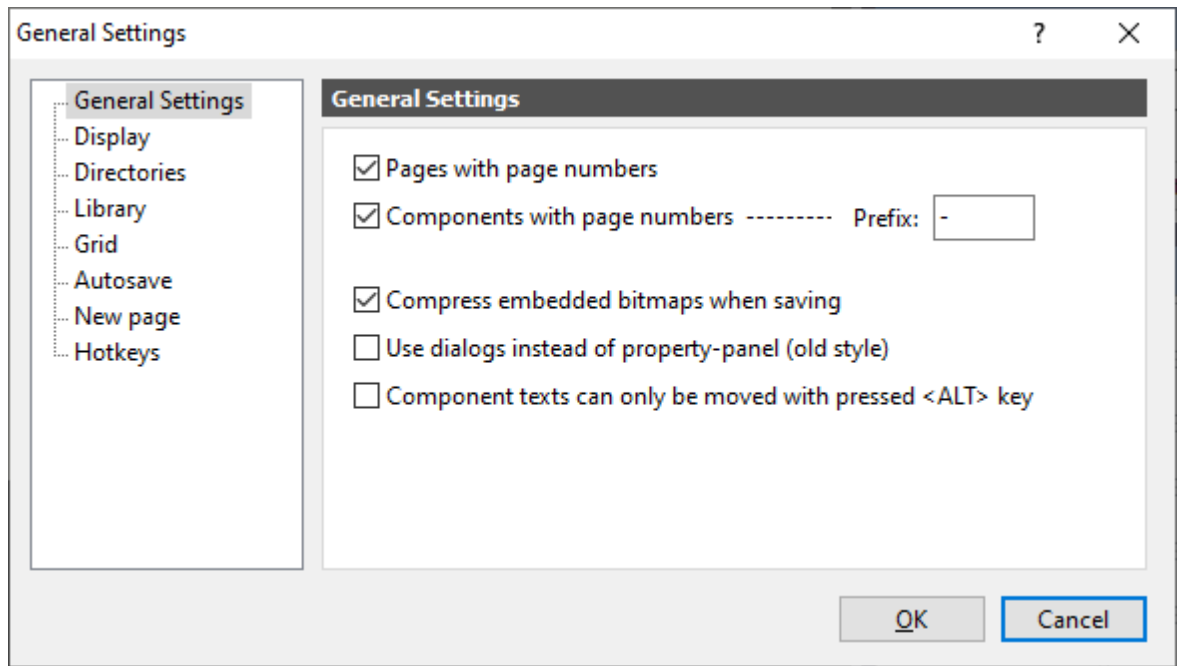
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ABACOM GBR, . .

sPlan.

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(BMP JPG)

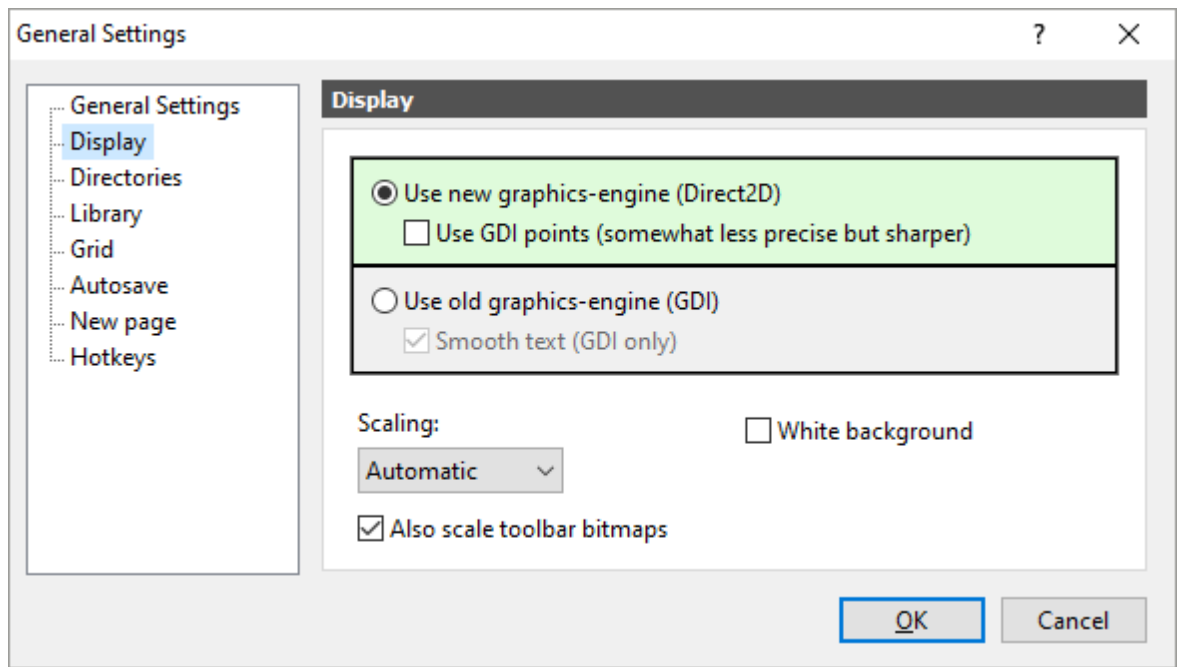
SPL

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sPlan.

➤ ...

Display



sPlan,

Direct2D

GDI.

GDI

(GDI)

Direct2D

sPlan

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sPlan.

Windows.

(100%)

sPlan.

sPlan

125%, 150%, ...

sPlan

Windows,

Windows.

Windows,

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sPlan, ,

ABACOM GBR,

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sPlan

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>>

General Settings

Display

Directories

Library

Grid

Autosave

New page

Hotkeys

Directories

Working-Directories:

Drawings:

...

Exports:

...

If you leave these fields empty, sPlan will remember the last used directories.

Fixed directories:

Templates:

C:\ProgramData\sPlan80\Templates\

...

Form sheets:

C:\ProgramData\sPlan80\Forms\

...

Set to default

OK

Cancel

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sPlan.

sPlan

sPlan,

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General Settings

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General Settings

Display

Directories

Library

Grid

Autosave

New page

Hotkeys

Library

Root-Directory for library:

C:\ProgramData\sPlan80\BIBO\

Change...

Only change this setting, if you have moved your library to another drive or directory.

Reset

This will reset the library-directory to the default setting.

Explorer

Opens the library folder in the windows explorer.

OK

Cancel

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Windows.

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sPlan

Grid: 1 mm
Zoom: 0,87

Grid

General Settings

General Settings

Display

Directories

Library

Grid

Autosave

New page

Hotkeys

Grid

Contrast: Medium

Subdivisions: 5

☒ Lines

☐ Dots

☒ Display the grid OVER the form level

OK

Cancel

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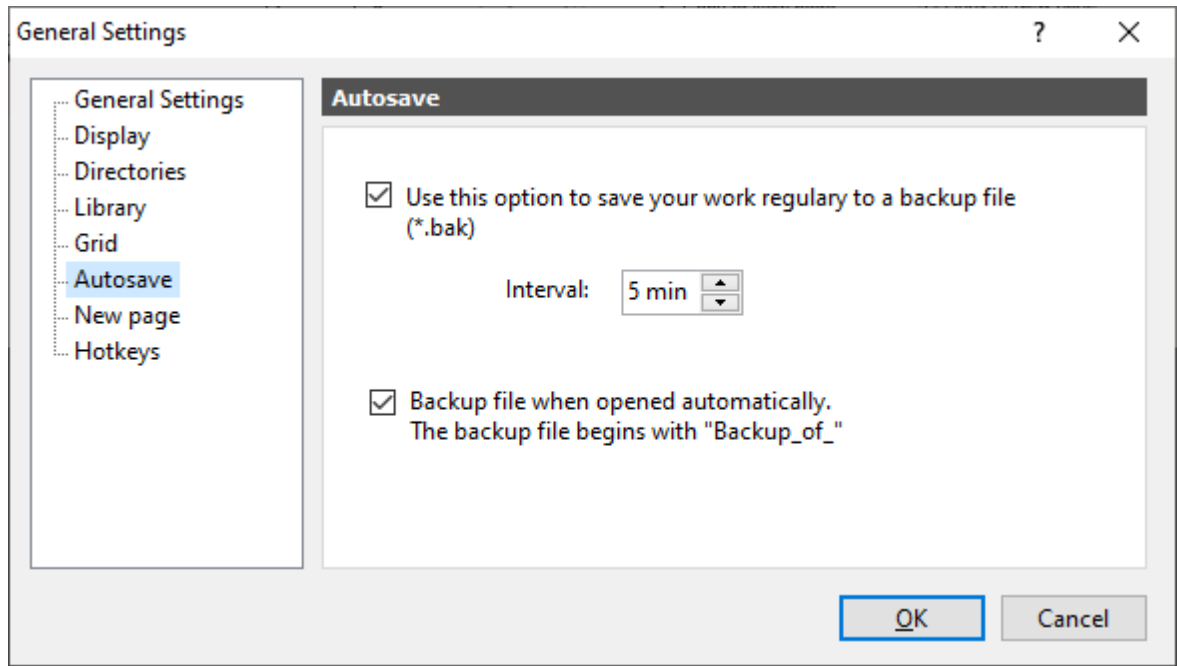


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«.spl8».

«.spl8»

«Backup_of_»,



sPlan.

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General Settings

Display

Directories

Library

Grid

Autosave

New page

Hotkeys

New page

Presets for a new page:

A4

Width: 297 mm

Height: 210 mm

Landscape

Portrait

Grid: 1 mm

Form:

OK

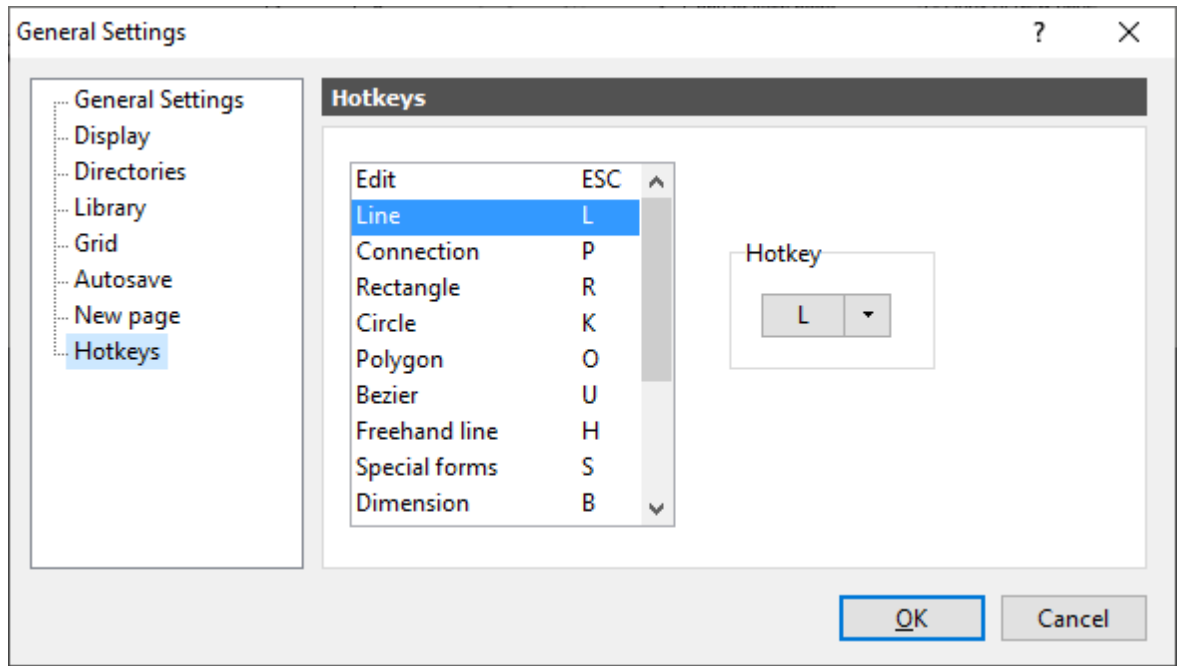
Cancel



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Component - [1]

Identifier:

R

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☒ visible

☒ automatic numbering

Value:

1k

...

☒ visible

☐ request value

Component list:

☒ Add to components list

- Add. text 1:

- Add. text 2:

- Add. text 3:

- Add. text 4:

Component-Editor

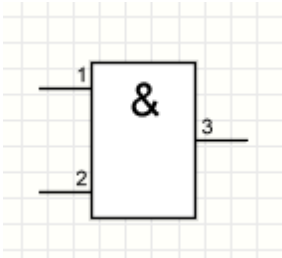
Description for library - [1]

- (, «R1»).

«R» («R» (!).
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...» « »
(, «1k»), (, «BC547»
«SN7400»).

1.4


Component-Contacts:		
E1	1	...
E2	2	
A	3	





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 Component-Editor

Component-Editor

Save and Exit

Cancel

[ID] [Value]

(, ,)

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100%.

Components >>



1

Contact - [1]		⌵
Name:	<input type="text" value="C0"/>	
Text:	<input type="text" value="1.1"/>	...

Font - [1]		⌵
Font:	<input type="text" value="Arial"/> ⌵	
Textheight:	<input type="text" value="18"/> <input type="button" value="▲"/> <input type="button" value="▼"/>	[1/10 mm]
Bold:	<input type="checkbox"/>	
Italic:	<input type="checkbox"/>	
Color:	<input type="color" value="black"/>	
Background:	<input type="checkbox"/> <input type="color" value="white"/>	
Alignment:	<input type="text" value="Right justified"/> ⌵	
<input type="button" value="Normalize"/>		

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« » « ».

[Components](#) >>



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Identifier

40

[1/10 mm]

T Arial

☐ Bold

☐ Italic

Value

40

[1/10 mm]

T Arial

☐ Bold

☐ Italic

Contact

18

[1/10 mm]

T Arial

☐ Bold

☐ Italic

Apply to

☐ Whole project

☒ Current page

☐ Selected componen

☐ Library page

Cancel

OK

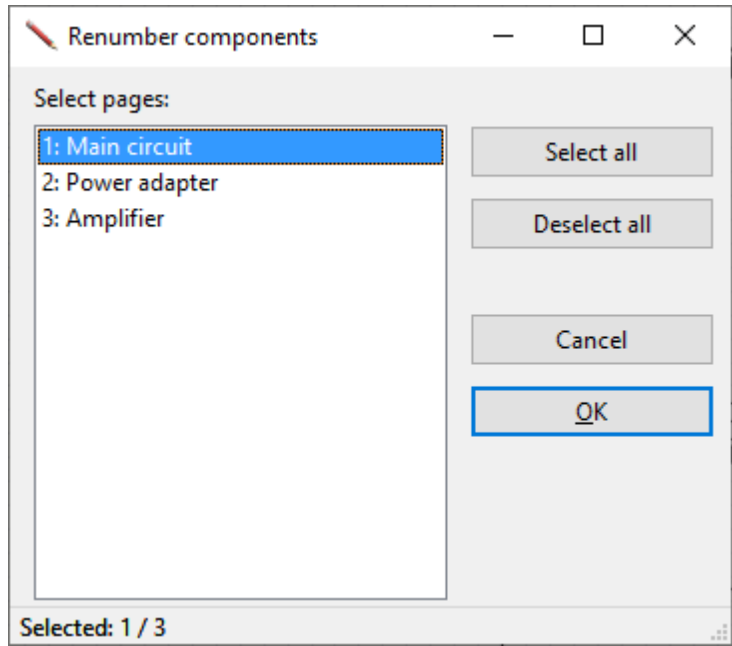
R1

1

2

4k7


[Components](#) >>




Renumber components ? X

Geometrical sort

☒ None

 ☐ Columns

 ☐ Rows

Geometrical grid

5 [mm]

Options

☐ Only selected componi

Only components with identifier:

Start at: 1

OK Cancel

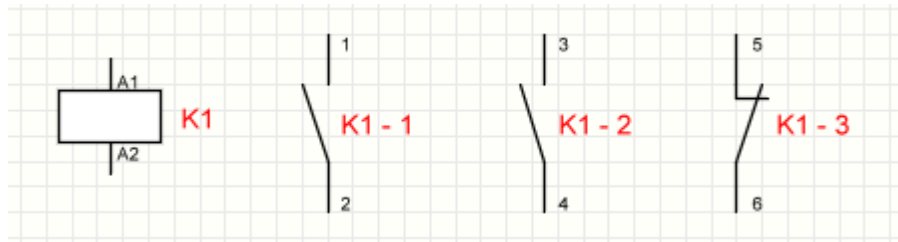
(, «R»),

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1,

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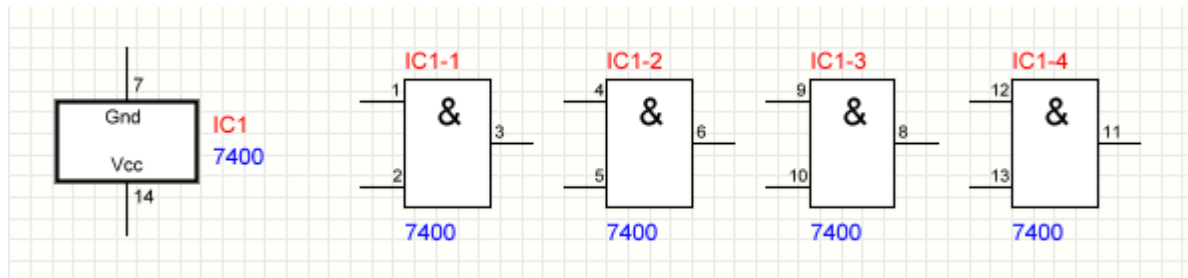


K1.

K1

K1

7400:



, 4

IC1,

7400

Parent-Child - [1] ⌵

Assign PARENT...

Set PARENT status

Parent-Child - [1] ⌵

Status: Parent

No CHILD defined

Remove PARENT status

/

:

Parent-Child - [1] ⌵

Assign PARENT...

Set PARENT status

Parent-Child - [1]

Status: Child

Parent	on page	Identifier	Value
->	1: Main circuit	K1	

Assign PARENT...

Remove PARENT

:

,

:

Parent-Child - [1]

Status: Parent

Child	on page	Identifier	Value
1	1: Main circuit	K1	
2	1: Main circuit	K1	
3	1: Main circuit	K1	

Create Childlist (Contact overview)

Remove PARENT status

,

,

:

Parent-Child - [1]

Status: Child

Parent	on page	Identifier	Value
->	1: Main circuit	K1	

Assign PARENT...

Remove PARENT

With a double-click on the entry you will be navigated directly to the parent, even if this should be on a different page.

<PARENT_ID>

<PARENT_VALUE>

<PARENT_PAGENO>

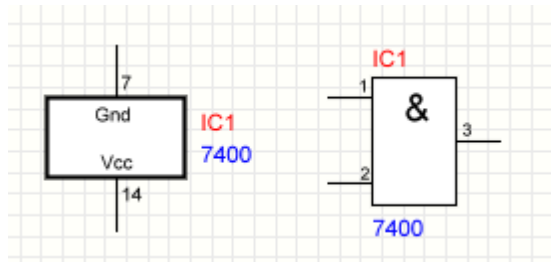
<CHILDNO>

<CHILDCHAR>

, (a, b, c ...)

<CHILD_PAGENO>

, , :



, .

:

3 , 3 1, 2 3. , , :-

: IC-1, IC-2, IC-3, ...

, a, b, c ...
:-
: IC-a, IC-b, IC-c, ...

()
,
.
() :

identifier <PARENT_ID>
value <PARENT_VALUE>

Parent-Child - [1]

Status: Parent

Child	on page	Identifier	Value
1	1: Main circuit	K1	
2	1: Main circuit	K1	
3	1: Main circuit	K1	

Create Childlist (Contact overview)

Remove PARENT status

() :

Childlist (Contact overview) X

Font

Arial

18 [1/10 mm]

Options

☒ Frame☐ Shadow

☒ Vertical lines

☒ Alternating lines

Data

☐ Identifier☒ Contacts☒ Value☐ Page number☐ Page name☐ Row/Column☒ Page.Column (/4,3)

Sort order using drag+drop

ContactsValuePage.Column (/4,3)

Row:

CHAR (A,B,C,...)

Column:

NUM (1,2,3,...)

☒ Page.Column with "/"

Preview:

1,2 Contactor /1.5

3,4 Contactor /1.6

5,6 Contactor /1.6

Paste...

Cancel

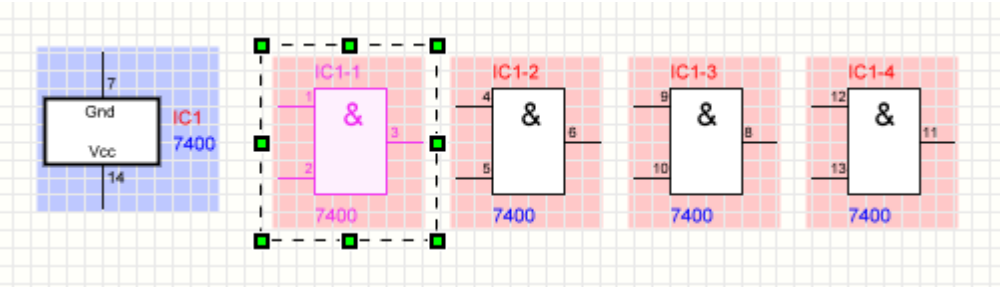
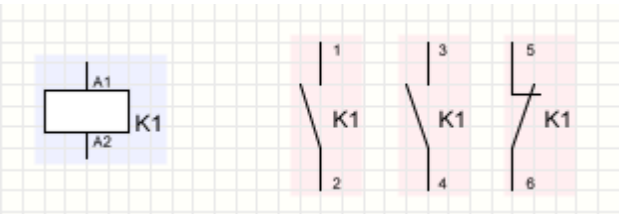
« » :

1,2	Contactor	/1.5
3,4	Contactor	/1.6
5,6	Contactor	/1.6

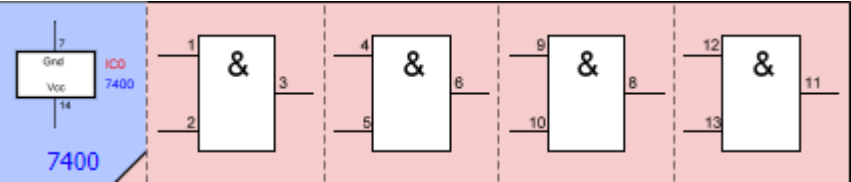
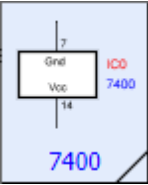
sPlan

/

sPlan.



1
7400-IC 4
()



[Components](#) >>



sPlan

Create component list

Select pages:

1: Main circuit

2: Power adapter

3: Amplifier

Select all

Deselect all

Cancel

OK

Selected: 1 / 3

Component list

Paste to page...

EXP Export...

Clipboard

Save...

Open...

Identifier	Number	Value
R2	1	100k
R3	1	560k
R8	1	10k
R1, R4, R6	3	1M
R5, R7	2	47k
R9, R10, R11	3	22k
C1	1	100p
C6	1	100µ
C7	1	10µ
C2, C5	2	100n
C3, C4	2	68p
D5	1	1N4148
D6	1	10V/1,3W
D7	1	3V9
D1, D2, D3, D4	4	1N5407
T1	1	BC848
T2	1	20N60
F1	1	2AT
IC1	1	AB8812
Qz1	1	455kHz
S1	1	Schliesser
La1	1	Lampe
SR2	1	HT1036

Font

Courier New

10

Options

☐ File data

☒ Summarize equal comp.

☐ Additional text 1

☐ Additional text 2

☐ Additional text 3

☐ Additional text 4

☒ Vertical lines

☐ Horizontal lines

Sort groups

☒ Quantity

☐ Alphabetical

Print

Top margin: 10 mm

Left margin: 20 mm

☒ Portrait

☐ Landscape

Print...

Close

Components: 33

•

R1, R2, R3 = 3 1k

(Z1..Z4)

Export

Field separator

☒ Semicolon

☐ Tabulator

Options

☐ Field names in 1. row

☐ Insert empty lines

Save...

Cancel

Identifier	Number	Value
R2	1	100k
R3	1	560k
R8	1	10k
R1, R4, R6	3	1M
R5, R7	2	47k
R9, R10, R11	3	22k

Windows.

(, Word).

...

« RTF» «.RTF».

...



sPlan:

... Diodes			
			LED
			Zener

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«<--»»

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sPlan:

... Diodes					
D0	D0	LED0			LED
	D0	D0	LED	Zener	Zener

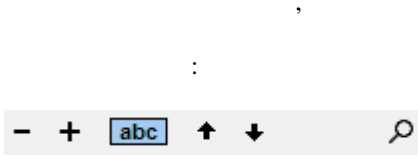
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Windows Explorer

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Windows.

Extras -> Explorer (LIB,)

Windows

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sPlan

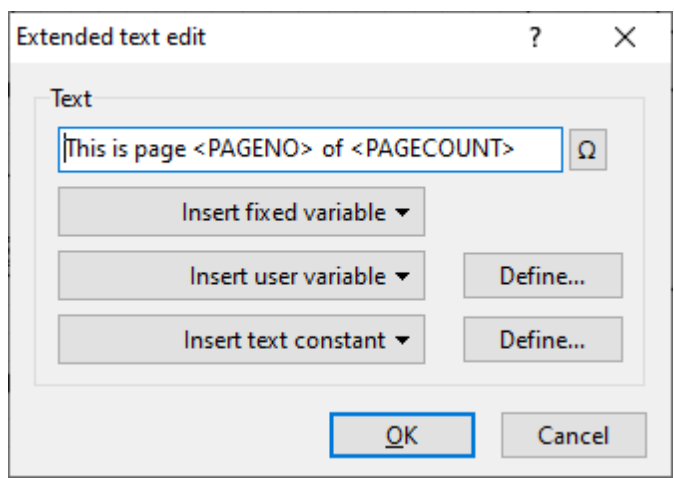
sPlan 2



sPlan

«<» <>». : <PAGENO>

: « »,



2 <PAGENO> <PAGECOUNT>.

, « 1 3».

:

<PAGENO>

<PAGECOUNT>

<PAGENAME>

<FILENAME>

<FILEPATH>

,

<FILEDATE>

()

<FILETIME>

()

<VERSION>

(= "sPlan 8.0")

<TIME>

<DATE>

,

-

:

<PARENT_ID>

<PARENT_VALUE>

<PARENT_PAGENO>

<PARENT_Z1>

1

<PARENT_Z2>

2

<PARENT_Z3>

<PARENT_Z4>

4

<PARENT_CONTACT_1>

1 (... 2, ... 3 . . .)

<CHILDNO>

<CHILDCHAR>

, (a, b, c ...)

<CHILD_PAGENO>

, :

<BEZ>

<VALUE>

<Z1>

1

<Z2>

2

<Z3>

3

<Z4>

4

_____ :

<COLNUM>

,

<COLCHAR>

,

(A, B, C ...)

<ROWNUM>

,

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<ROWCHAR>

,

(A, B, C ...)

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_____ :

<LINK_PAGENO>

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<LINK_PAGENAME>

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<LINK_TEXT>

<LINKFROM_PAGENO>

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<LINKFROM_PAGENAME>

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<LINKFROM_TEXT>



User variables can be used as placeholders in a text. They consist of a variable name and its content, the variable text. The variable name is a placeholder for the actual variable text.

The content of the variable then appears on the drawing instead of the variable name.

Here is a small example:

«
45X2-9»
<PROJEKTNAME> .
(,) ,

User variables

These variables will be saved together with the file.

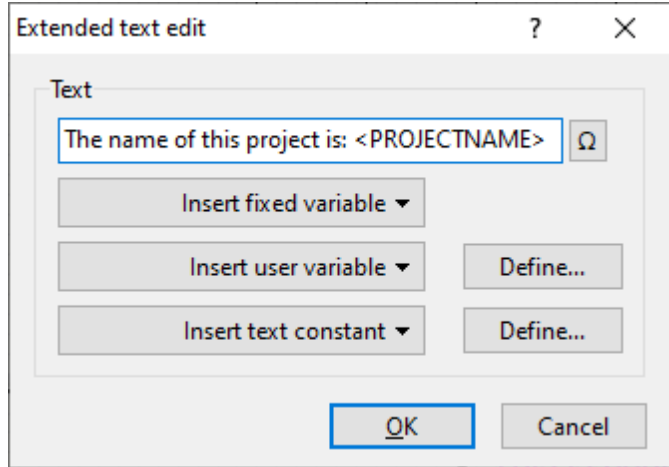
Name	Text
PROJECTNAME	Measuring amplifier project 45X2-9

New entry

Delete entry

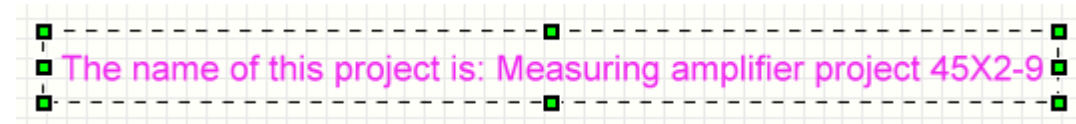
OK

Cancel



«

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(. . .

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Text constants

Text constants for quick insertion in texts:

ABACOM Engineering Office

New entry

Delete entry

OK

Cancel

Extended text edit

Text

ABACOM Engineering Office

Insert fixed variable

Insert user variable

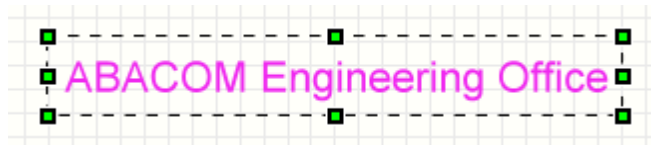
Insert text constant

Define...

Define...

OK

Cancel





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-
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<>

Bitmap-Explorer ()

/



sPlan

2 : :

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(, PDF - (, «www.abacom-online.de»).

:

sPlan

Text-Link - [1]

Target

on page	Text
2: Power adapter	Out 12

Delete target

Select new target...

Publish as target

External link:

File...

☐ Reverse text direction

:

sPlan

Select new target ...

«

»

«

»

:

Simple Text

Published as target

Linked to a target

Linked + Published as target

Linked to a target

Out 12 | on page 2

Linked to a target | on page 1

Out 12

www.abacom-online.de

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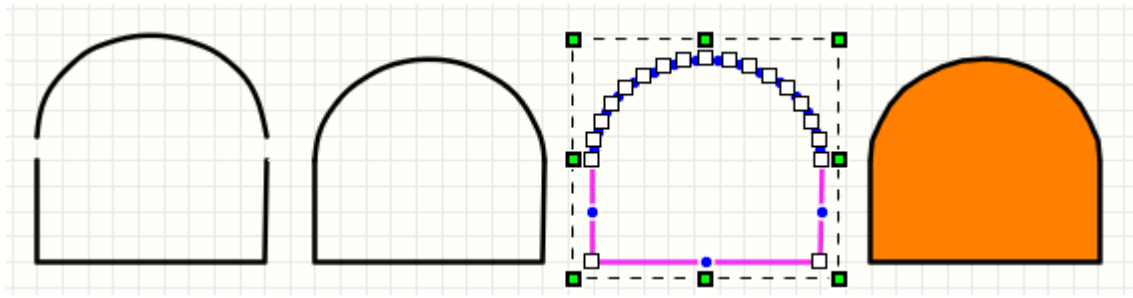
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<< >> << >>

Print preview

HP Universal Printing PCL 6

Setup...

Pages clipped0

Close

Scale

1:1

User

100

%

Offset

X: -12 mm

Y: -12,4 mm

Reset

Banner

X: 1

Y: 1

Overlap [mm]: 0

Functions

Orientation

Automatically

Portrait

Landscape

Printing

Current page

All pages

Selection

Print [1]

1: Main circuit

2: Power adapter

3: Amplifier

the name of this project is: Measuring amplifier project 4b2c2 8

ABACOM Engineering Office

This is page 1 of 2

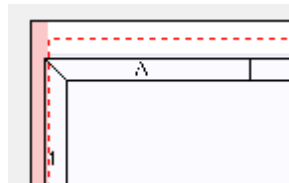
Sample Data

DATE	10.10.2023
TIME	10:10:10
FILE	10.10.2023

Authoring	Author	Editor	Reviewer	Project
Author	Author	Author	Author	Author
Author	Author	Author	Author	Author
Author	Author	Author	Author	Author

Setup ...

« » , 0,



, « » , ,

[!].

« » , , «1: 1»

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sPlan ().

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Print

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Print [1]



Print [1]

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- JPG
- BMP
- EMF
- SVG

JPG BMP) (sPlan

, JPG BMP,

EMF sPlan Windows, sPlan

SVG . SVG - SVG EMF.
(Firefox . .) ,

, « ...» « ».

Export

Filetype

☒ JPG

☐ BMP

☐ EMF

☐ SVG

Resolution

Original: 297,0 mm x 210,0 mm

Resolution (dpi): 150 dpi

Size (pixels): 1754 x 1240

Color

☒ B/W

☐ Colored

Selection

☒ Whole page

☐ All elements

☐ Selected elements

OK

Cancel

(JPG BMP)

JPG BMP

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(BMP)

BMP.

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Bitmap-Explorer

[Miscellaneous Functions](#) >>



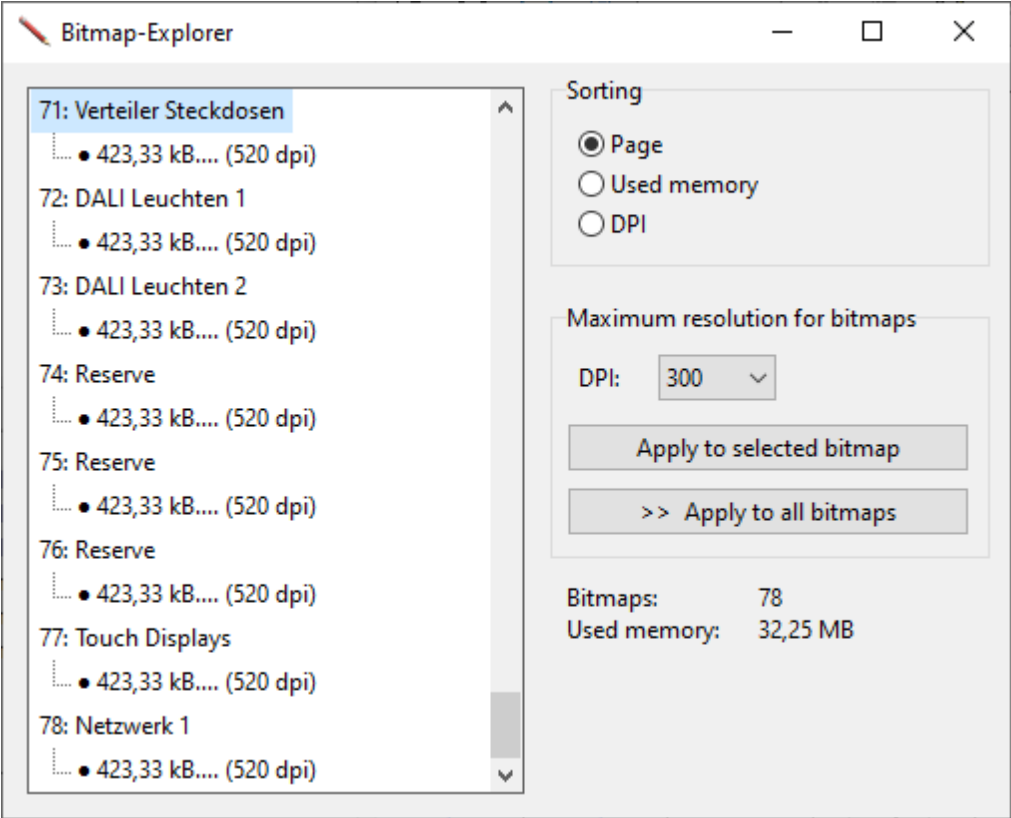
Bitmap-Explorer.

Bitmap-Explorer

Bitmap-Explorer

Bitmap-Explorer ...

" ".
:



(DPI)

sPlan



, « ...» « » :

Table of contents

Select pages:

1: Main circuit

2: Power adapter

3: Amplifier

Select all

Deselect all

Cancel

OK

Selected: 3 / 3

Table of contents

Font

Courier New

16

[1/10 mm]

Options

☒ Frame

☒ Shadow

☒ Vertical lines

☐ Alternating lines

Height of the table (3 Rows)

☒ Maximum (adjusted to page height) (= max. 180 Rows)

☐ Break manuellt after

48

Rows

No break

Paste

Cancel

«

»

:

Page	Name
1	Main circuit
2	Power adapter
3	Amplifier



sPlan

sPlan

« » :

Scale

1 mm = 1

mm

(0,1 ... 1000)

Reset

/

[Miscellaneous Functions](#) >>



sPlan , , . , .

(, « / ...» « »):



, . , :

Search



Components

Text

Identifier:

Replace:

R

All pages ►

Value:

Replace:

All pages ►

☐ Only component list elements

☐ Case sensitive

☒ Resolve <Variables>

☒ All pages

Update

▼ All pages

▼ 1: Main circuit

... R1 / 1M
... R2 / 100k
... R3 / 560k
... R4 / 1M
... R5 / 47k
... R6 / 1M
... R7 / 47k
... R8 / 10k
... R9 / 22k
... R10 / 22k
... R11 / 22k
... SR2 / HT1036

Search



Components

Text

Search:

Replace:

R

All pages ►

☐ Case sensitive

☒ Resolve <Variables>

☒ All pages

Update

▼ All pages

▼ 1: Main circuit

... pr.:
... Dimmer
... Published as target
... Linked to a target
... Linked + Published as target
... The name of this project is: Mea
... ABACOM Engineering Office
> 2: Power adapter
> 3: Amplifier

, («»),
 («1»). ,

" "



sPlan, .

, , , , . sPlan.

$$\vdots$$

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= ESC

$$= \mathbf{L}$$
$$= \mathbf{P}$$
$$= \mathbb{R}$$
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TextRect = E

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$$= \mathbf{M}$$

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CTRL, (0,1)

TAB

TAB

SHIFT,

TAB

Alt-Return

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Alt-Return.

F5

F6

F7

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F8

F8



This option has nothing to do with the actual function of the software. You can use it to register your software directly with ABACOM, the manufacturer of this software. We will then automatically notify you of updates and new versions.

You can register in the main menu under Help -> Software registration...

We recommend registering by email.

Note:

If you obtained the software directly from ABACOM, this separate registration is not necessary.

ABACOM,

->

...

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ABACOM,



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• CTRL (

•).

• SHIFT

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• _____ sPlan

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• JPG. *.SPL

• _____ "sPlan-Viewer".

"sPlan-Viewer"



SPlan-Viewer - , sPlan ,
sPlan.
sPlan-viewer . , sPlan ,
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SPlan-Viewer :

<https://www.electronic-software-shop.com/Ing/en/support/free-viewer-software/>

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