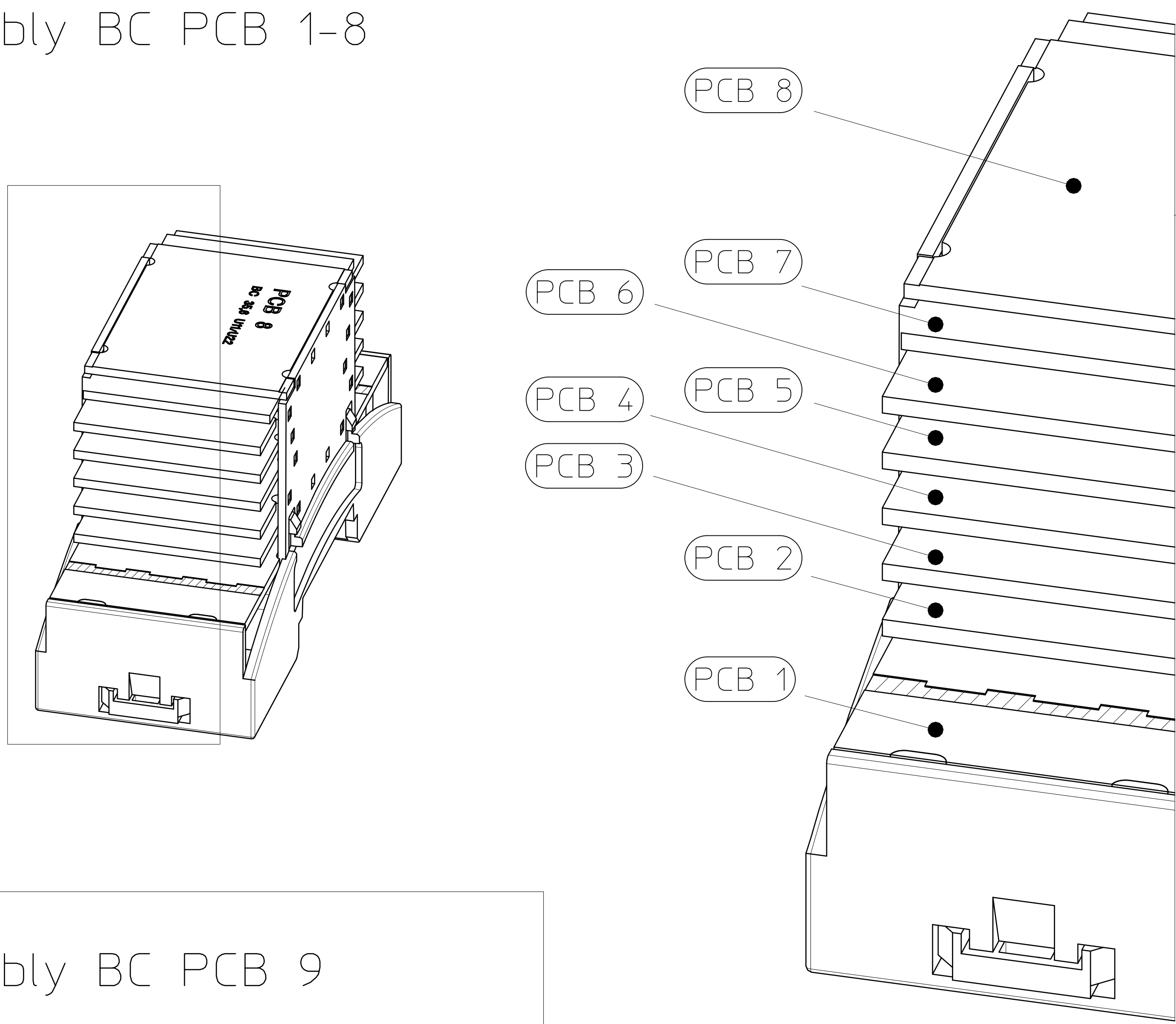


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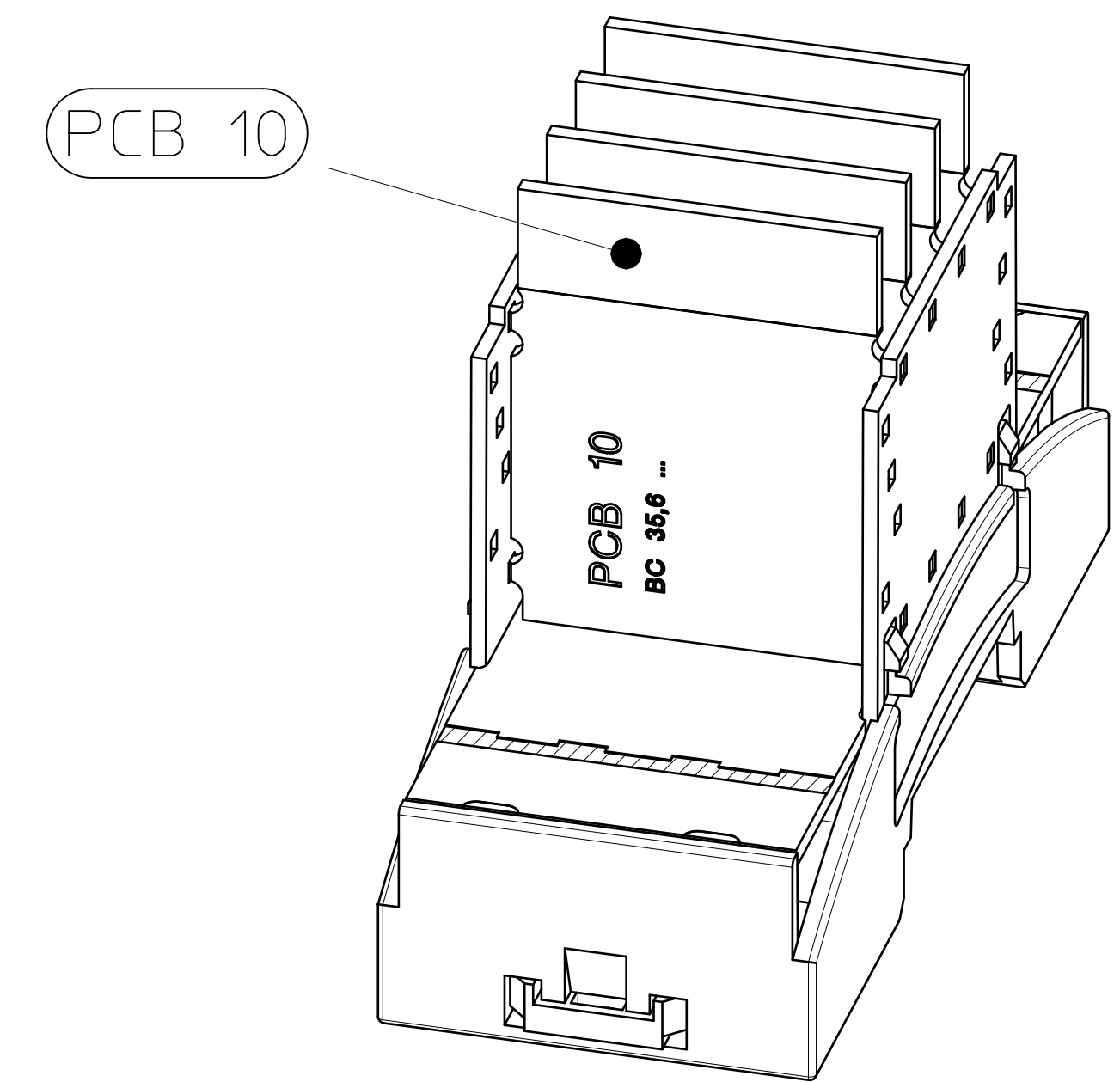
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Position of BC PCB 1-11 (Example BC 35,6 U11)

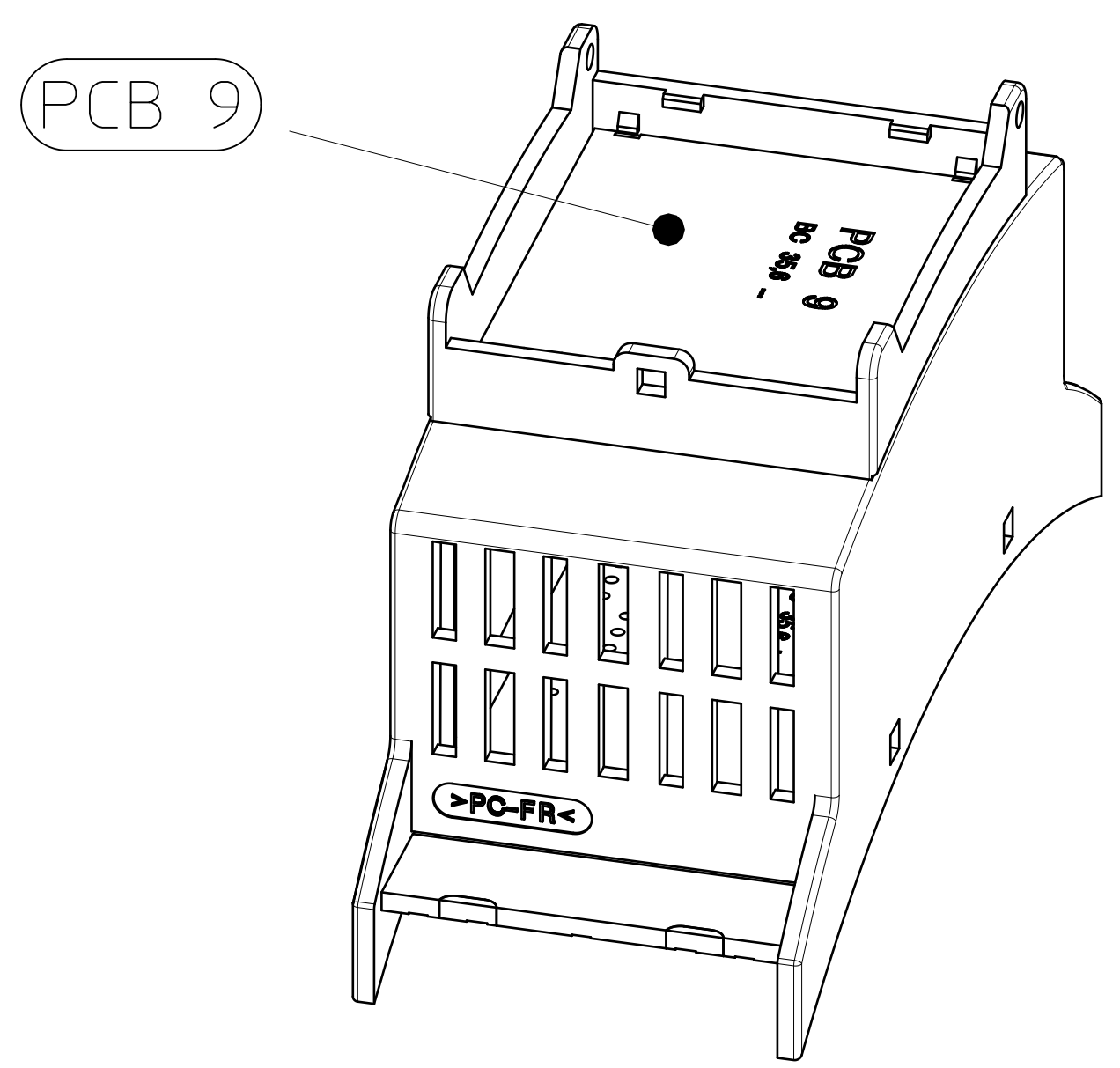
Assembly BC PCB 1-8



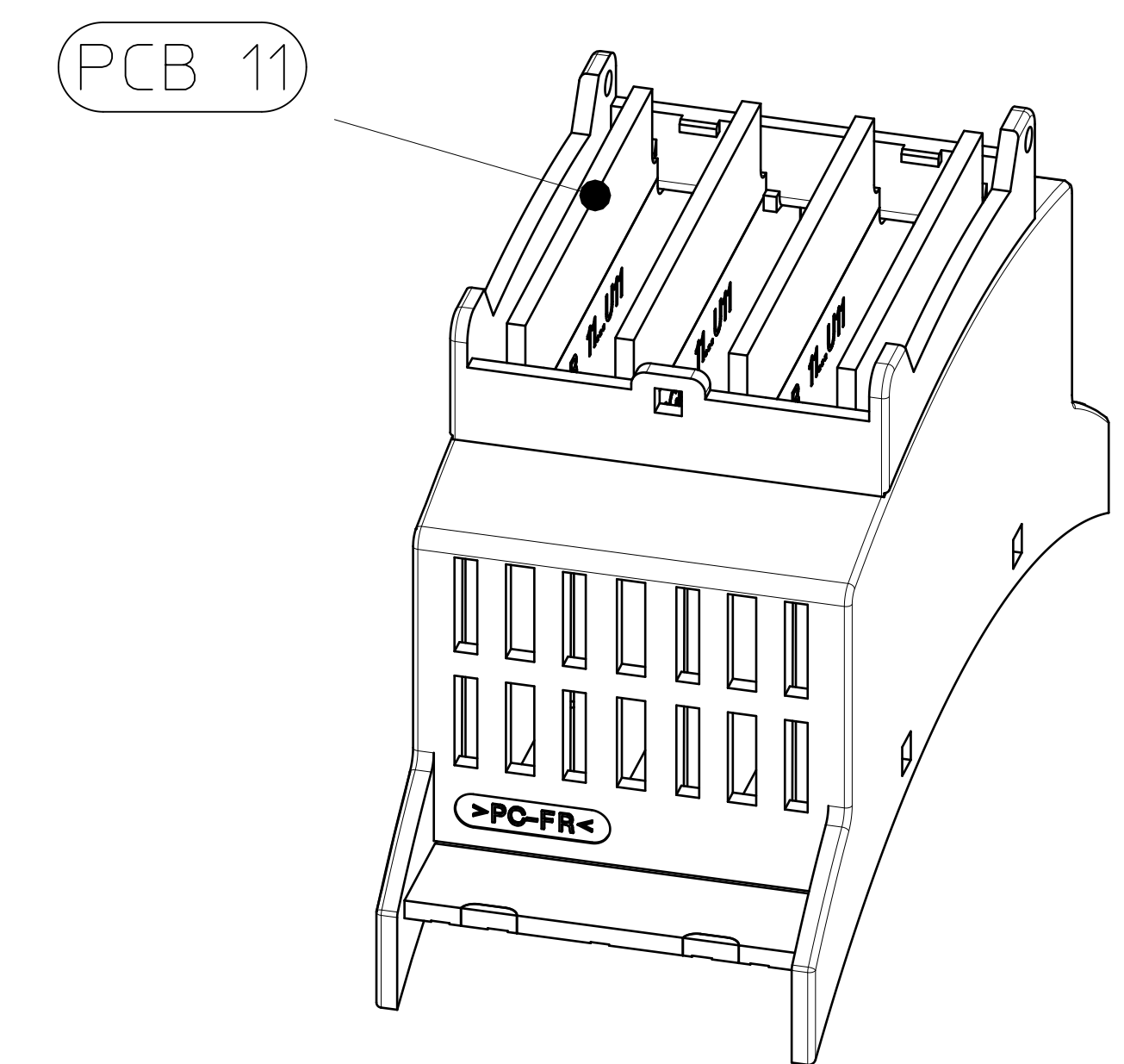
Assembly BC PCB 10

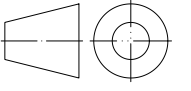


Assembly BC PCB 9



Assembly BC PCB 11



 DIN A3	document-No. / RI	date	scale
	01365969 / 00	18.03.2021	1:1
	ident.-No.	document-type	
1006942		TECDOC 2D_PCB-Outline	
description		BC 71,6 OT U11 BK VPE160	
page 1	of 10		

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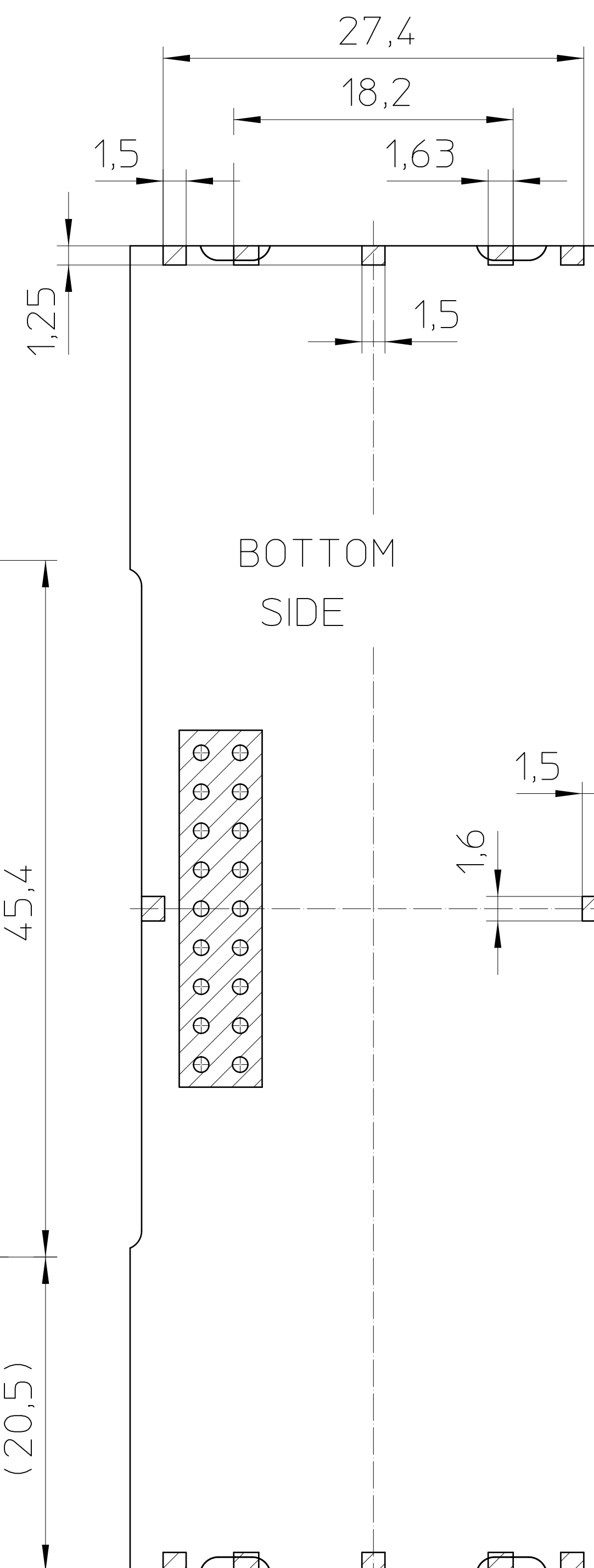
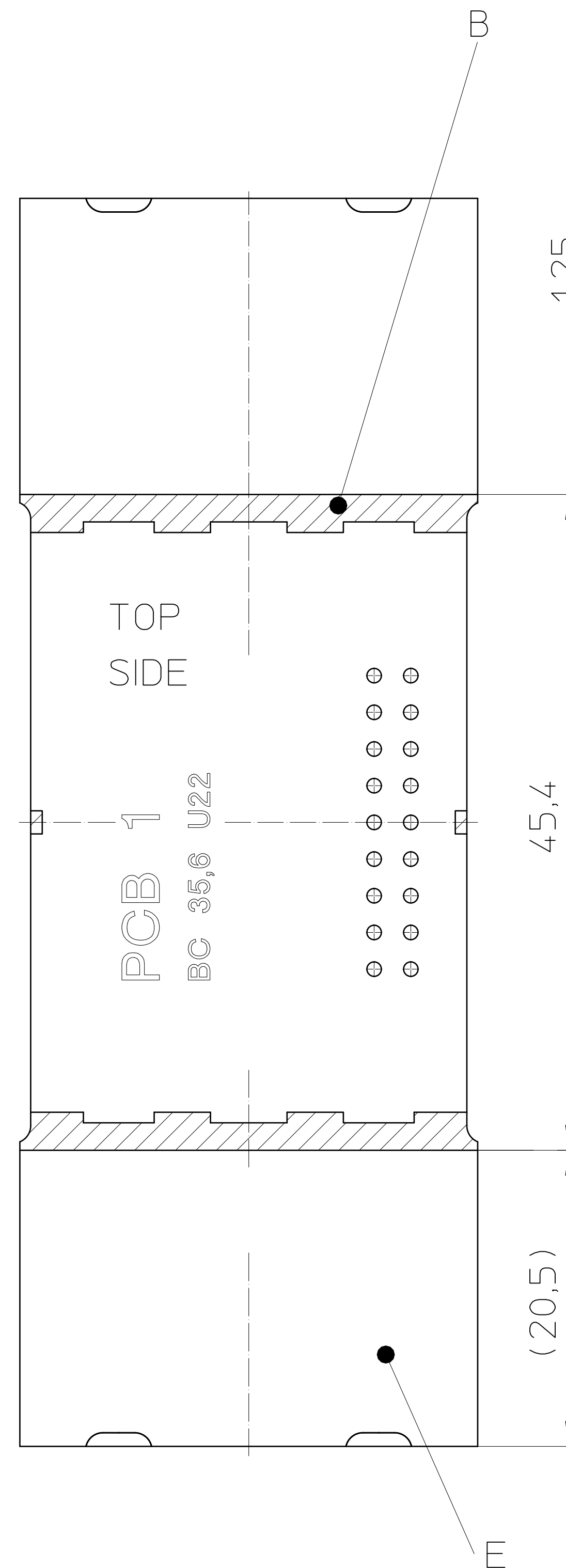
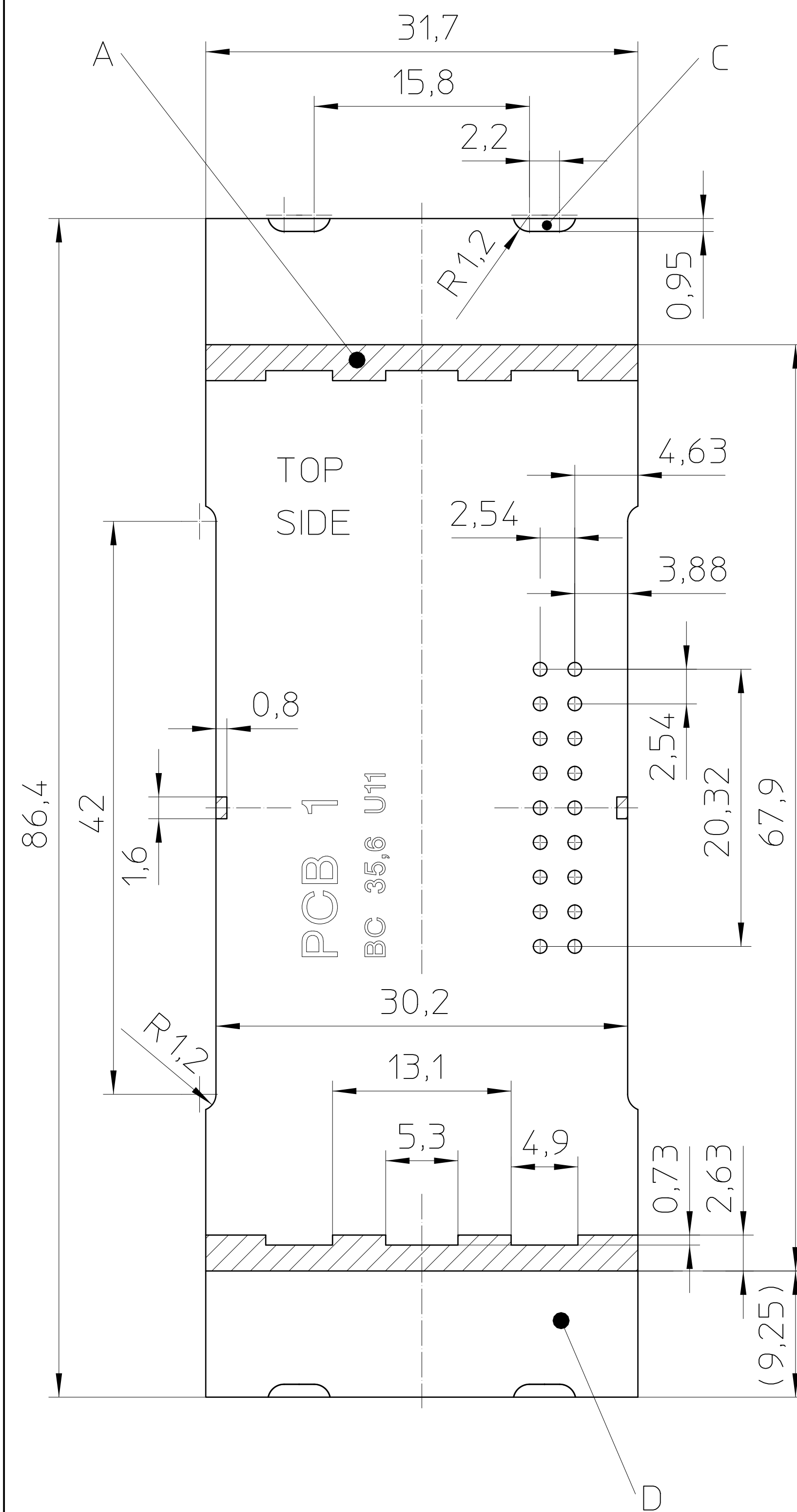
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Recommended PCB 1 BC 35,6 U11/U22

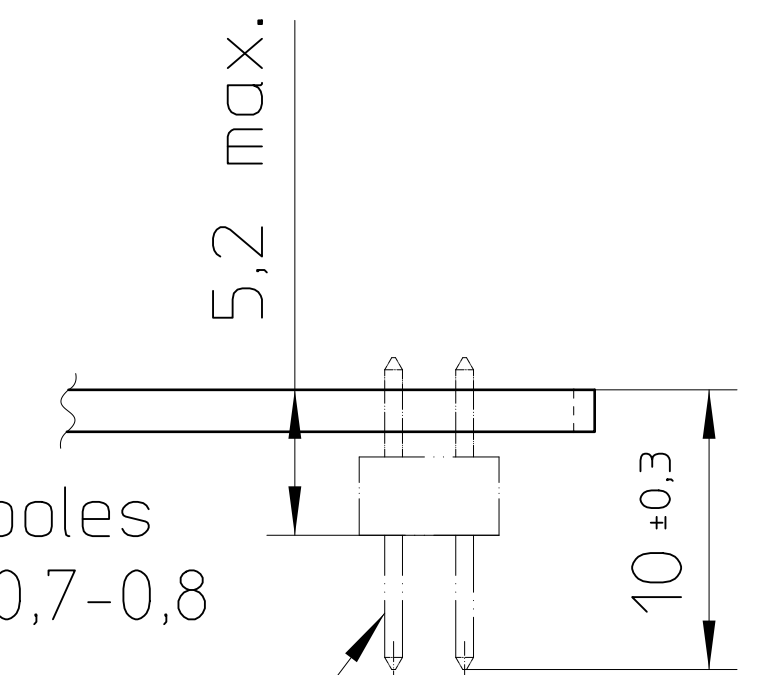
BC PCB 1 35,6 U11

BC PCB 1 35,6 U22

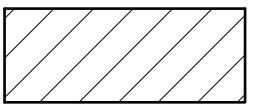
BC PCB 1 35,6 ...



Header max. 2x9 poles
□ 0,63x0,63 or Ø 0,7-0,8
pitch 2,54mm
surface gold plated



General Information:

- Recommended PCB
- Simplified representation
- Document excluded from change process
- Further information:
www.phoenixcontact.com webcode: #0311
- Units are in millimeters [mm] and degrees [°]
- Tolerances apply in a normal climate according to DIN EN ISO 291-23/50-2
- Tolerances for PCB:
dimensions ≤30: ±0,10 / R±0,2 / ±1°
dimensions > 30: ±0,15 / R±0,2 / ±1°
symmetry: 0,2
- Thickness PCB: t= 1,5 to 1,8mm
-  Restricted area, no components

Additional Information:

- A. Blocking area for BC 35,6 OT-U11
- B. Blocking area for BC 35,6 OT-U22
- C. Milling outline for cover caps
- D. Terminal installation depth =11mm
- E. Terminal installation depth =22mm

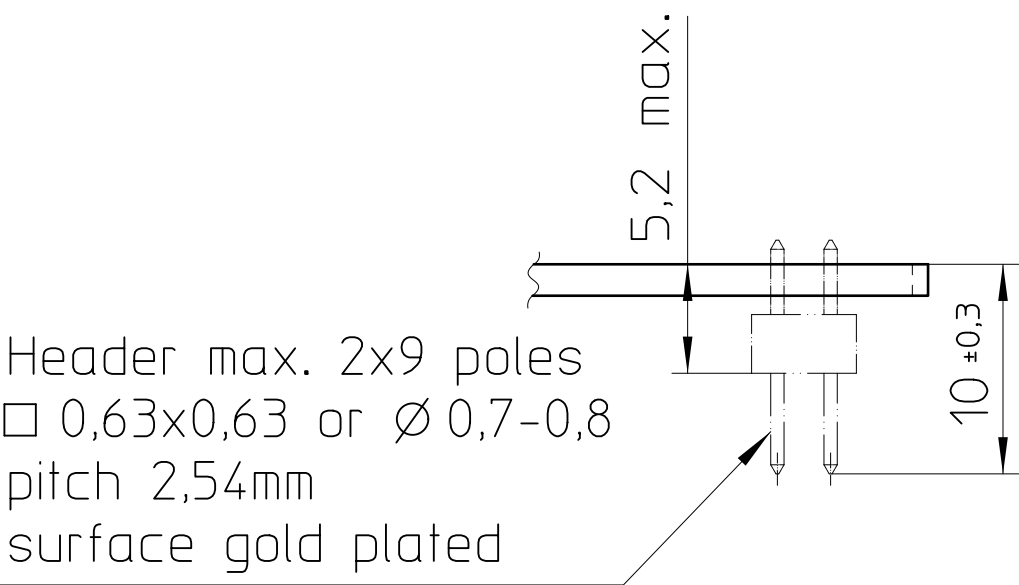
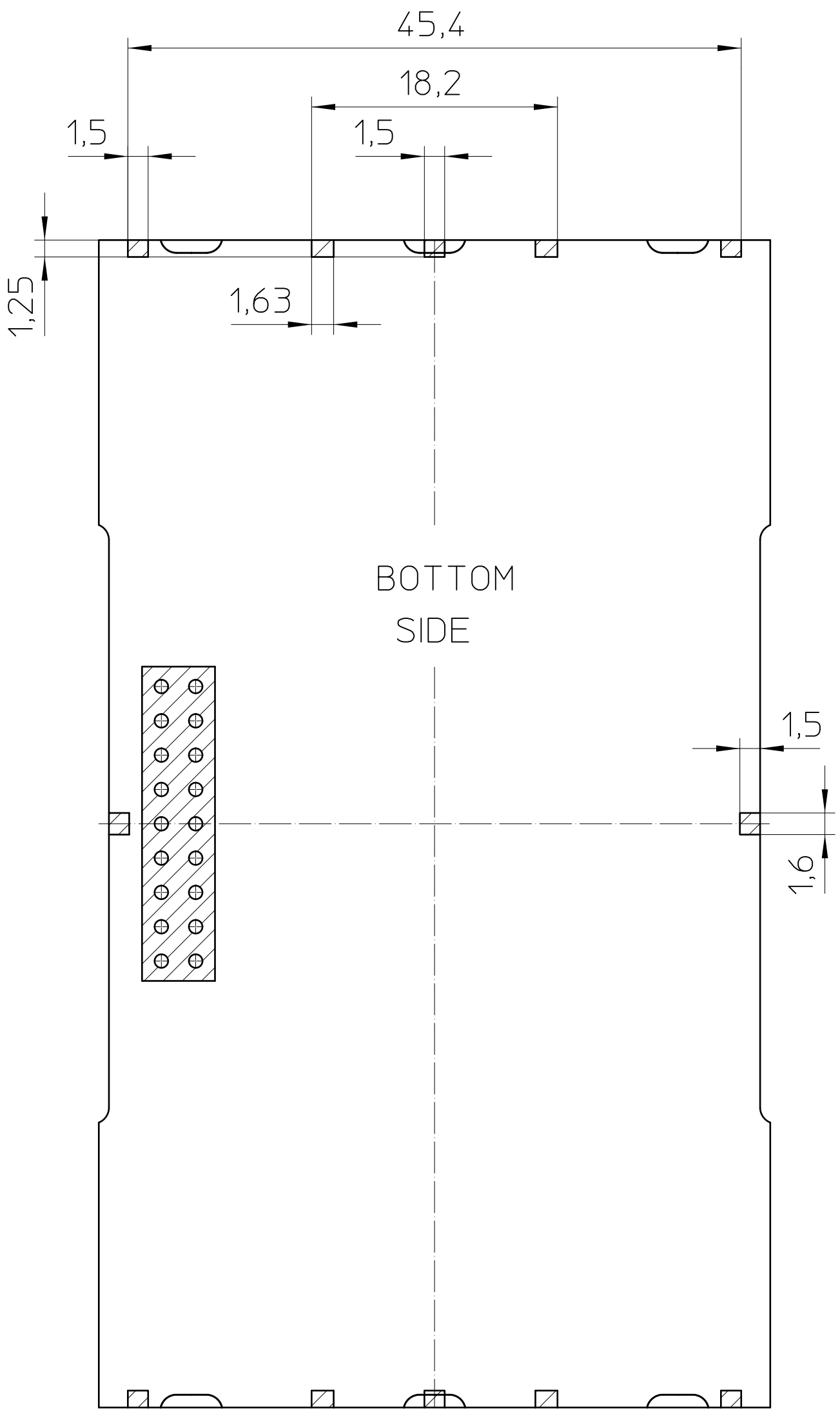
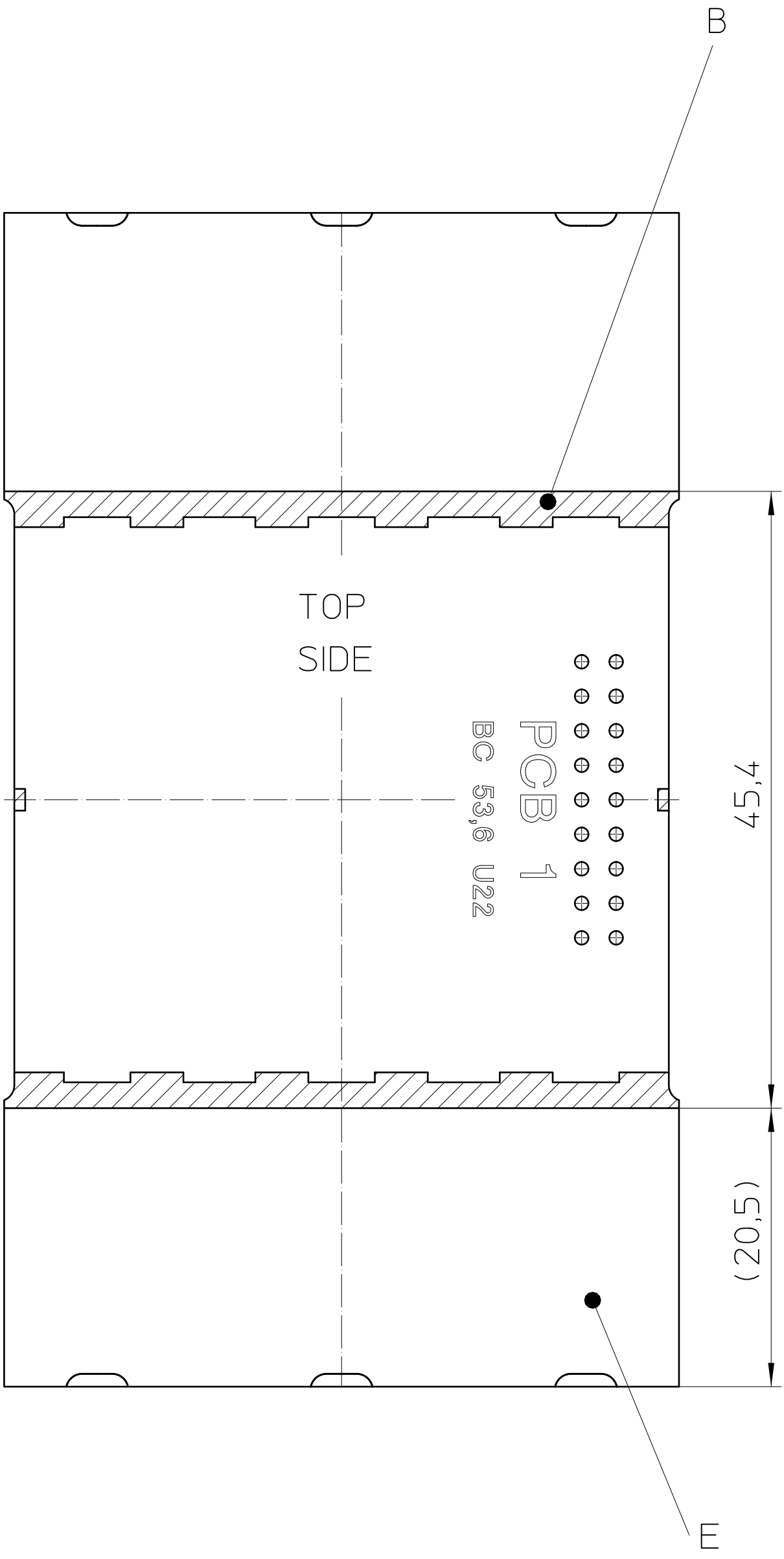
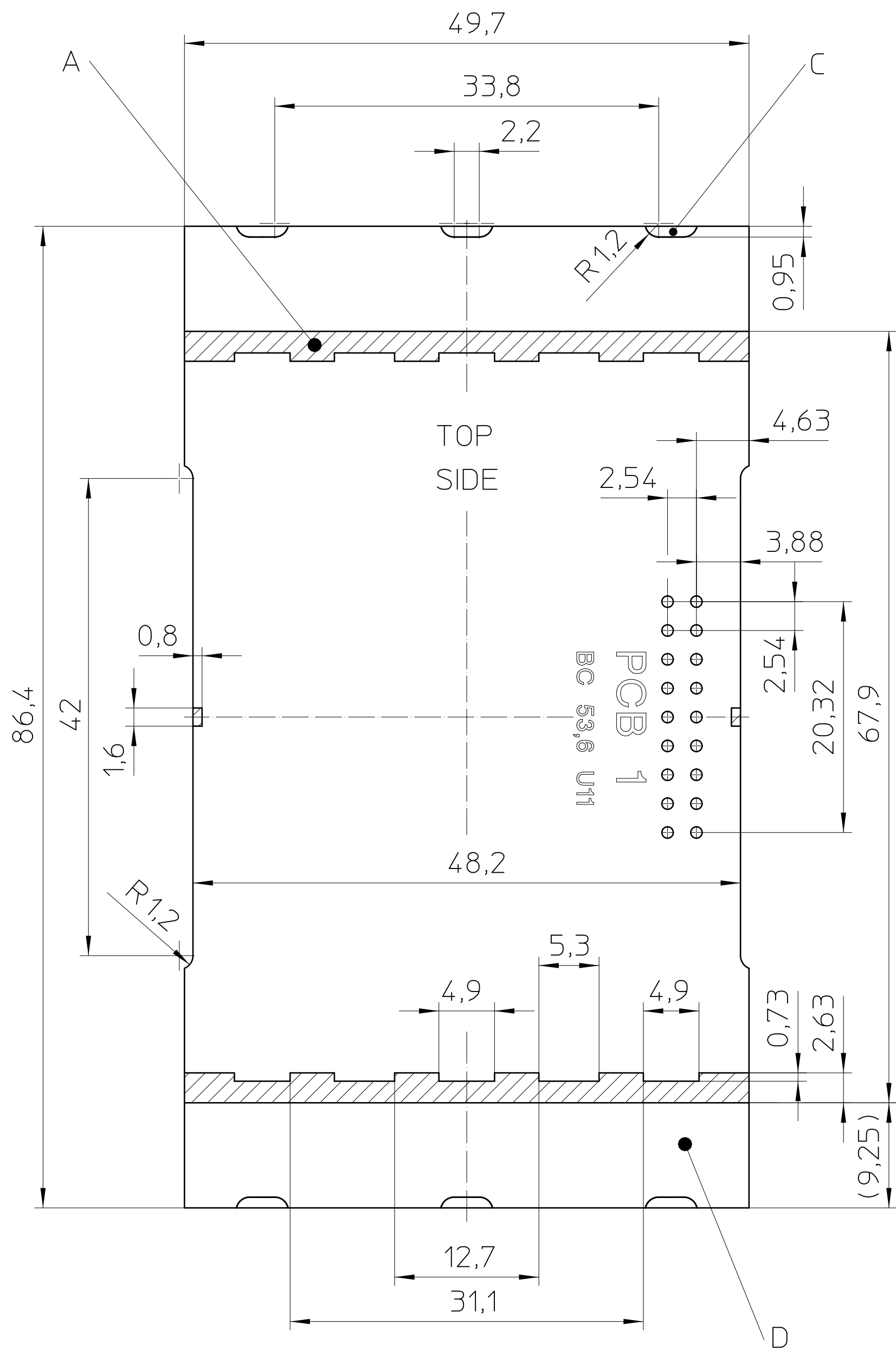
	document-No. / RI 01365969 / 00		date 18.03.2021	scale 2:1
	ident.-No. 1006942	document-type TECDOC 2D_PCB-Outline		
page 2 of 10		description BC 71,6 OT U11 BK VPE160		

Recommended PCB 1 BC 53,6 U11/U22

BC PCB 1 53,6 U11

BC PCB 1 53,6 U22

BC PCB 1 53,6 ...



Additional Information:

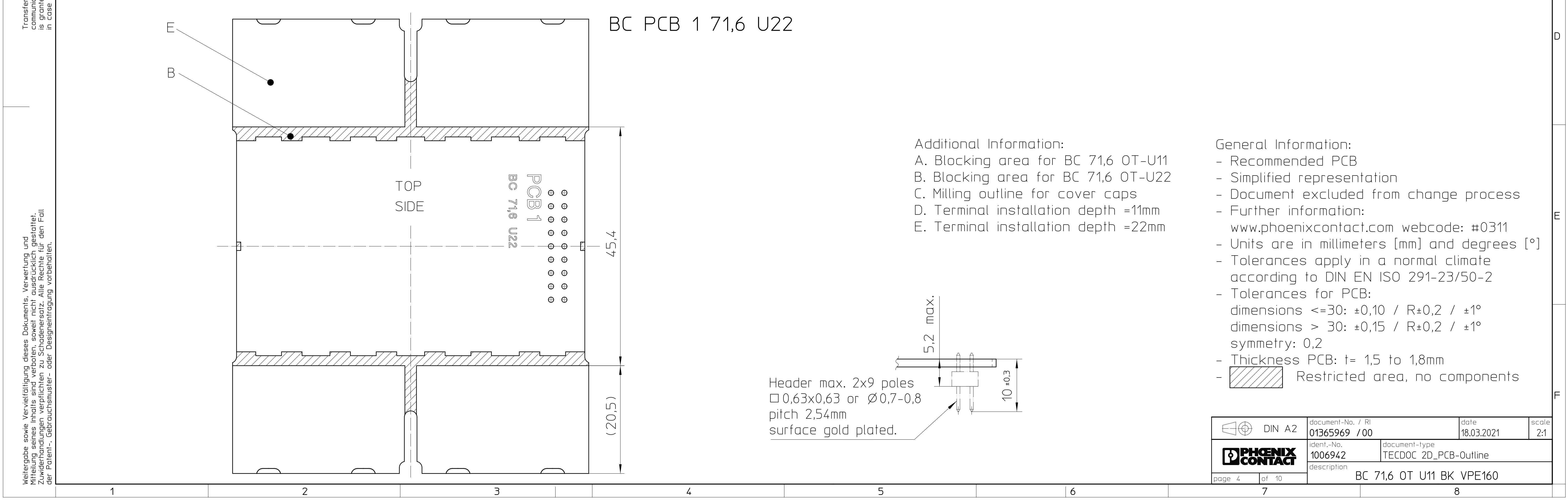
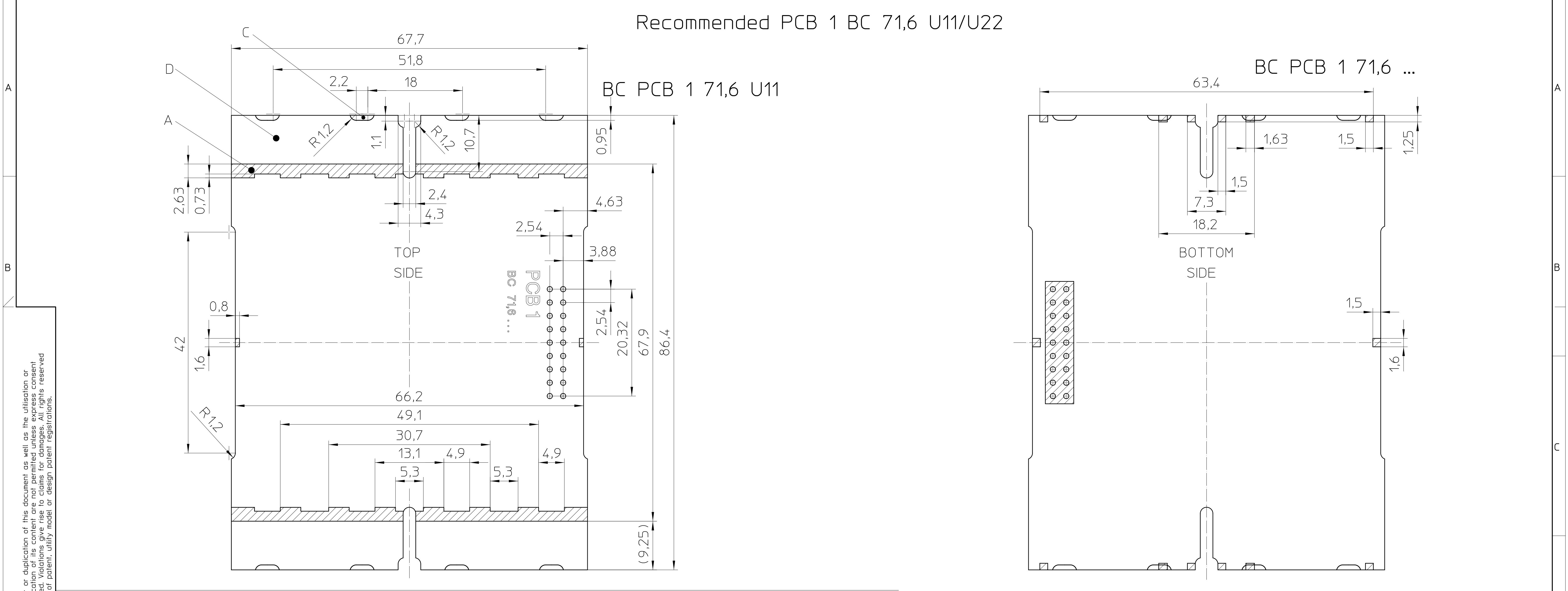
- A. Blocking area for BC 53,6 OT-U11
- B. Blocking area for BC 53,6 OT-U22
- C. Milling outline for cover caps
- D. Terminal installation depth =11mm
- E. Terminal installation depth =22mm

General Information:

- Recommended PCB
- Simplified representation
- Document excluded from change process
- Further information:
www.phoenixcontact.com webcode: #0311
- Units are in millimeters [mm] and degrees [°]
- Tolerances apply in a normal climate according to DIN EN ISO 291-23/50-2
- Tolerances for PCB:
dimensions ≤30: ±0,10 / R±0,2 / ±1°
dimensions > 30: ±0,15 / R±0,2 / ±1°
symmetry: 0,2
- Thickness PCB: t= 1,5 to 1,8mm
- Restricted area, no components

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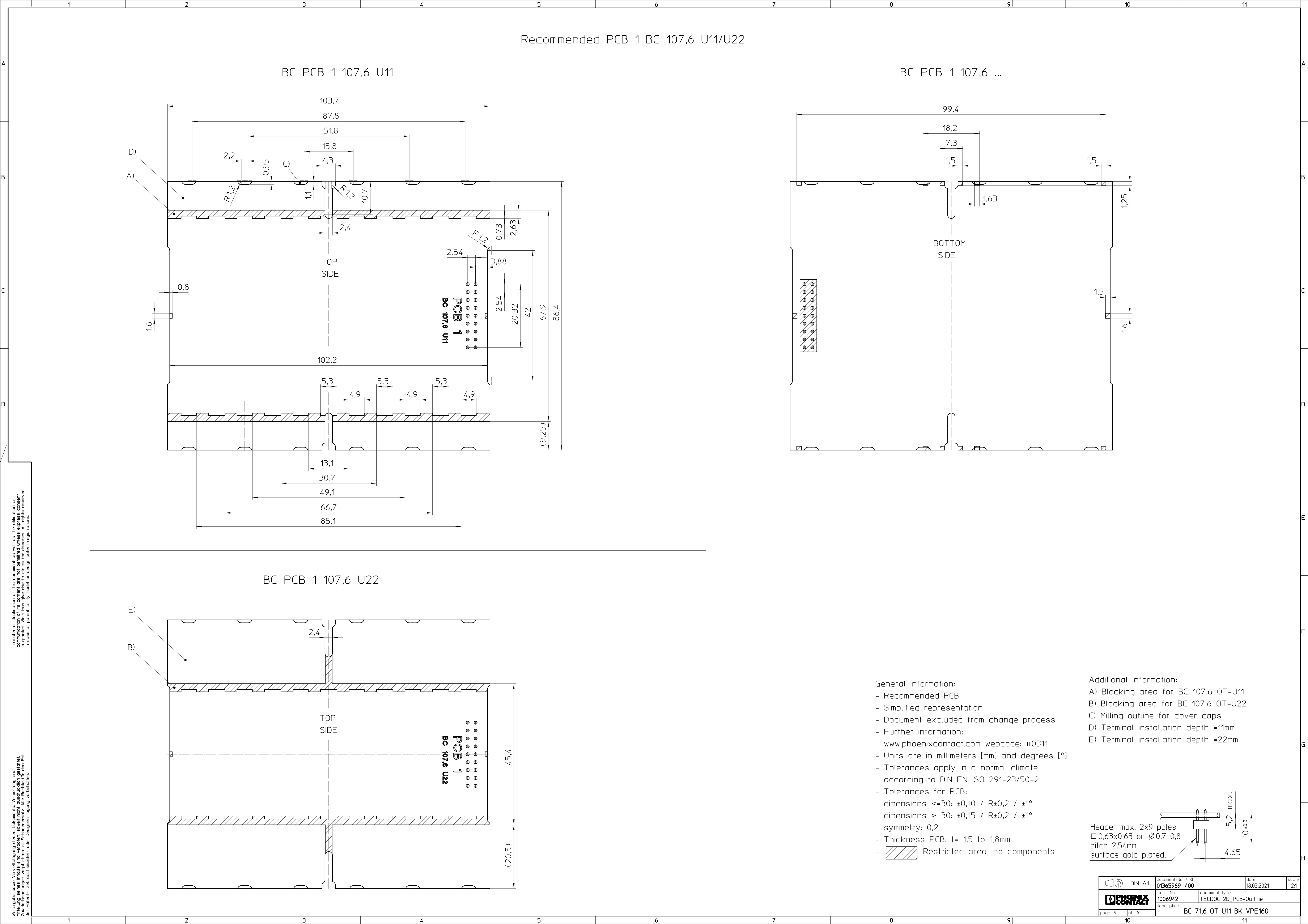
Additional Information:

- A. Blocking area for BC 71,6 OT-U11
- B. Blocking area for BC 71,6 OT-U22
- C. Milling outline for cover caps
- D. Terminal installation depth =11mm
- E. Terminal installation depth =22mm

General Information:

- Recommended PCB
- Simplified representation
- Document excluded from change process
- Further information:
www.phoenixcontact.com webcode: #0311
- Units are in millimeters [mm] and degrees [°]
- Tolerances apply in a normal climate according to DIN EN ISO 291-23/50-2
- Tolerances for PCB:
dimensions ≤30: ±0,10 / R±0,2 / ±1°
dimensions > 30: ±0,15 / R±0,2 / ±1°
symmetry: 0,2
- Thickness PCB: t= 1,5 to 1,8mm
- Restricted area, no components

	DIN A2	document-No. / RI 01365969 / 00	date 18.03.2021	scale 2:1
	ident.-No. 1006942	document-type TECD0C 2D_PCB-Outline	description BC 71,6 OT U11 BK VPE160	
page 4	of 10			

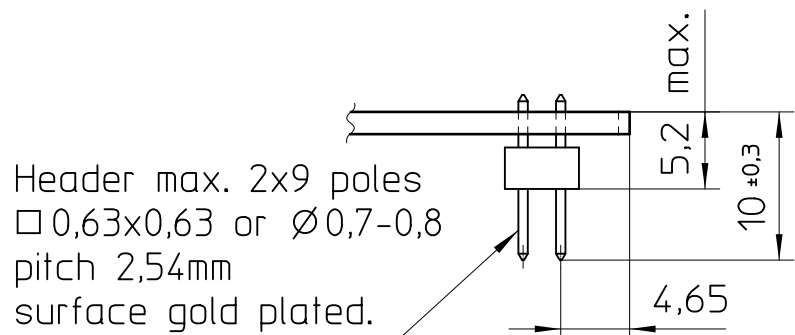


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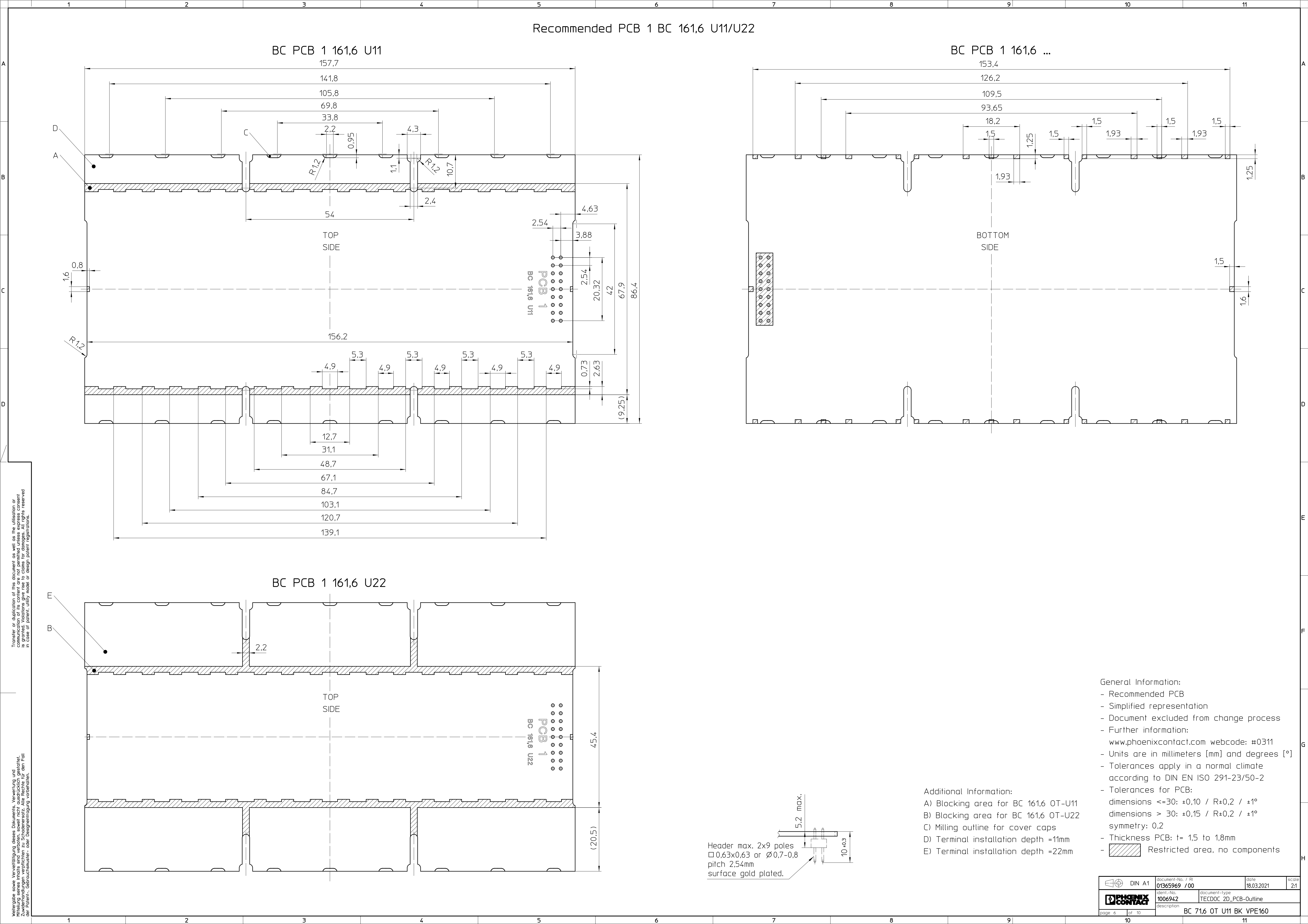
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- General Information:
- Recommended PCB
 - Simplified representation
 - Document excluded from change process
 - Further information:
www.phoenixcontact.com webcode: #0311
 - Units are in millimeters [mm] and degrees [°]
 - Tolerances apply in a normal climate according to DIN EN ISO 291-23/50-2
 - Tolerances for PCB:
dimensions ≤ 30 : $\pm 0,10$ / $R \pm 0,2$ / $\pm 1^\circ$
dimensions > 30 : $\pm 0,15$ / $R \pm 0,2$ / $\pm 1^\circ$
symmetry: 0,2
 - Thickness PCB: $t = 1,5$ to $1,8\text{mm}$
 -  Restricted area, no components

- Additional Information:
- A) Blocking area for BC 107,6 OT-U11
 - B) Blocking area for BC 107,6 OT-U22
 - C) Milling outline for cover caps
 - D) Terminal installation depth $\approx 11\text{mm}$
 - E) Terminal installation depth $\approx 22\text{mm}$



		DIN A1	document-No. / Ri 01365969 / 00	date 18.03.2021	scale 2:1
		ident.-No. 1006942	document-type TECDOC 2D_PCB-Outline		
page 5 of 10		description BC 71,6 OT U11 BK VPE160			

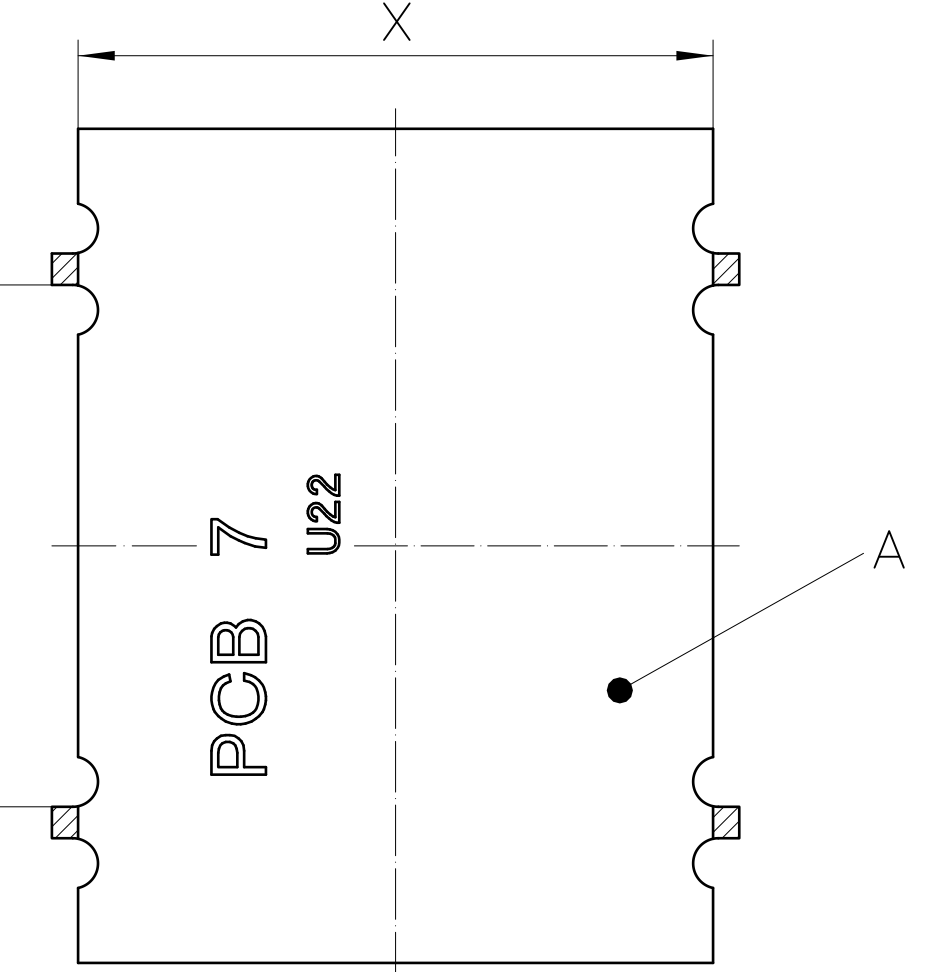
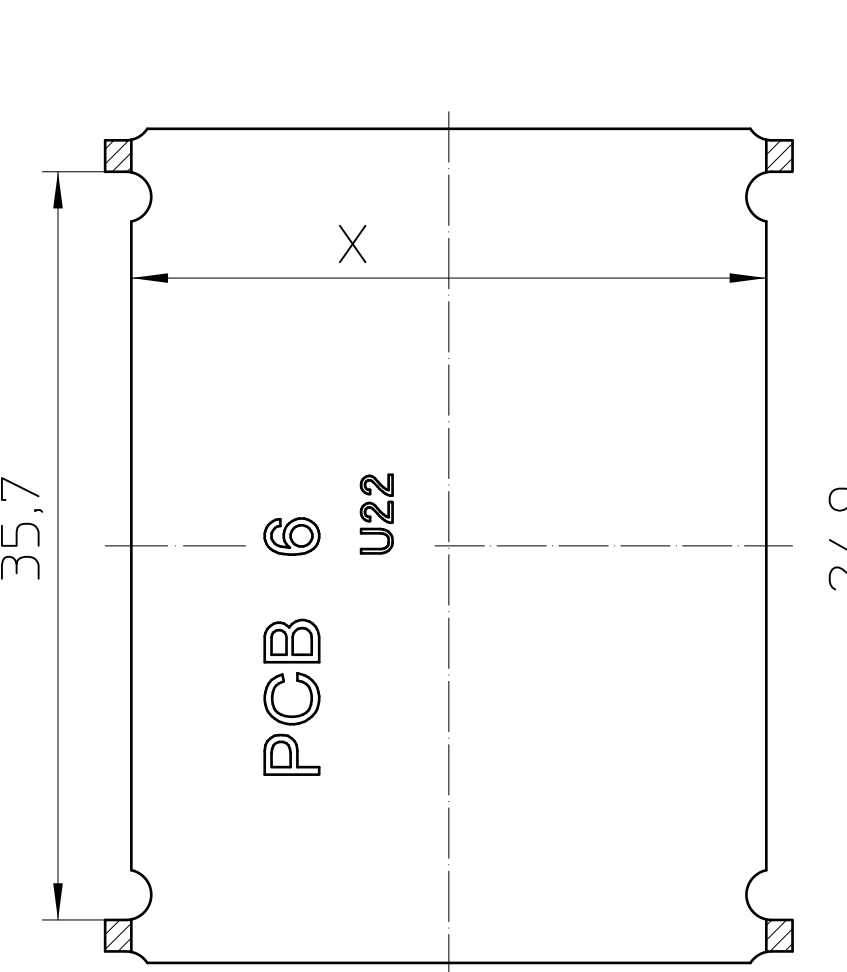
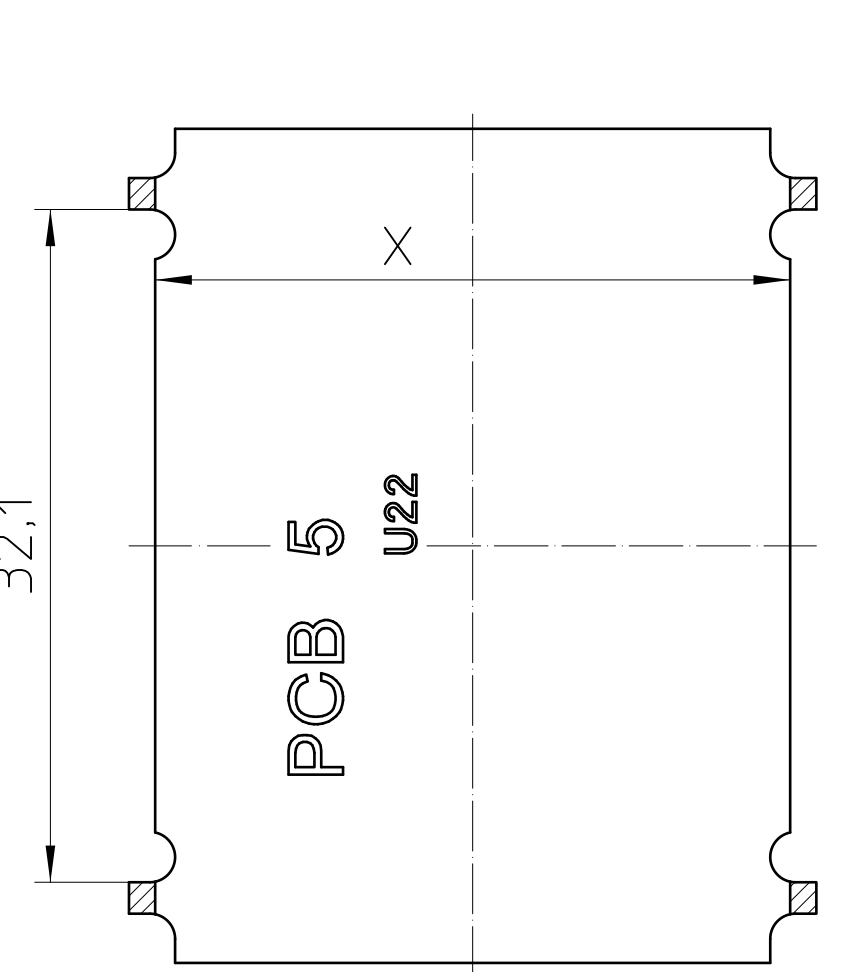
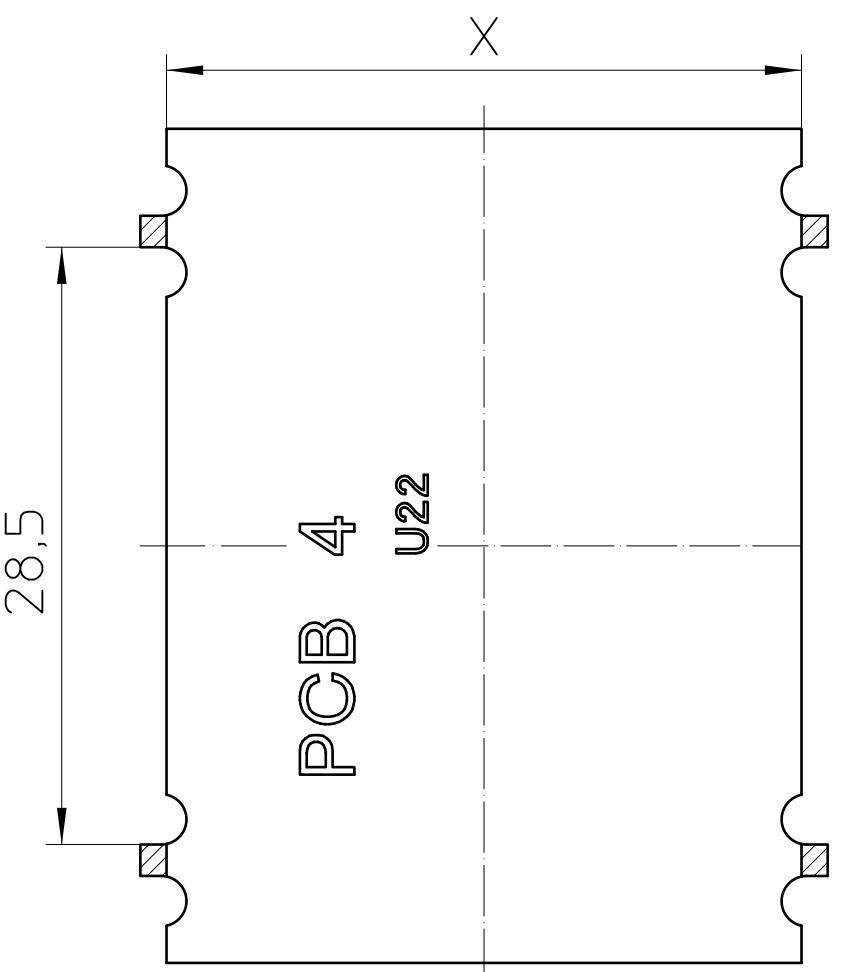
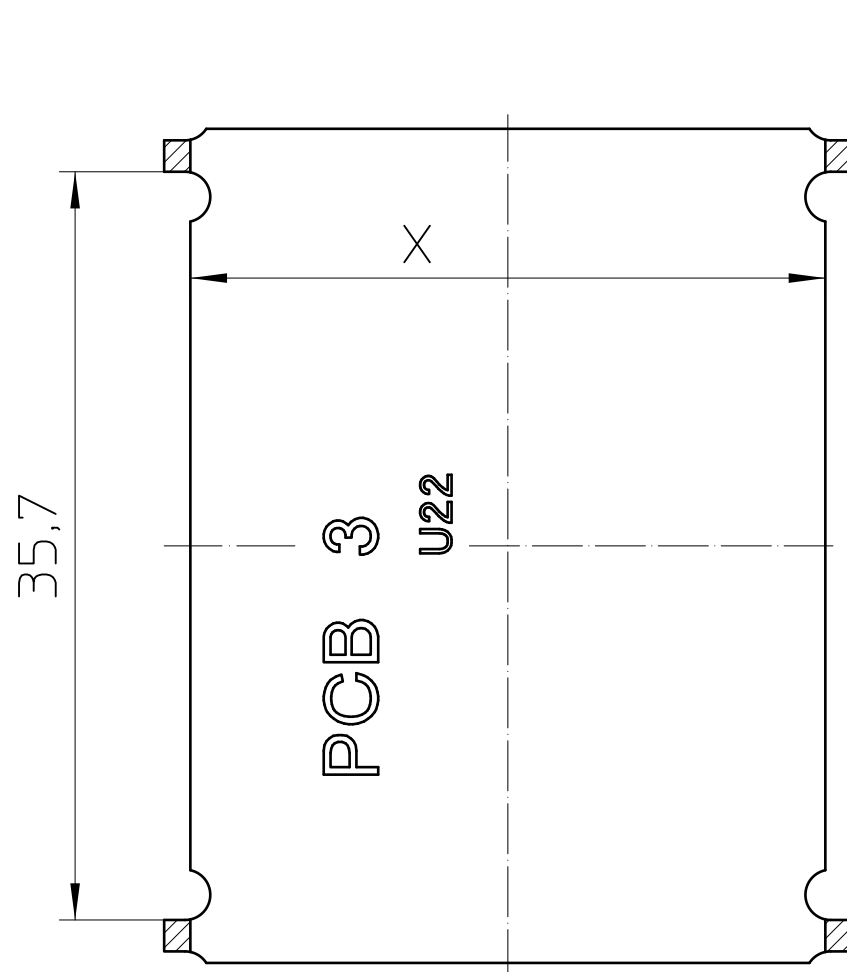
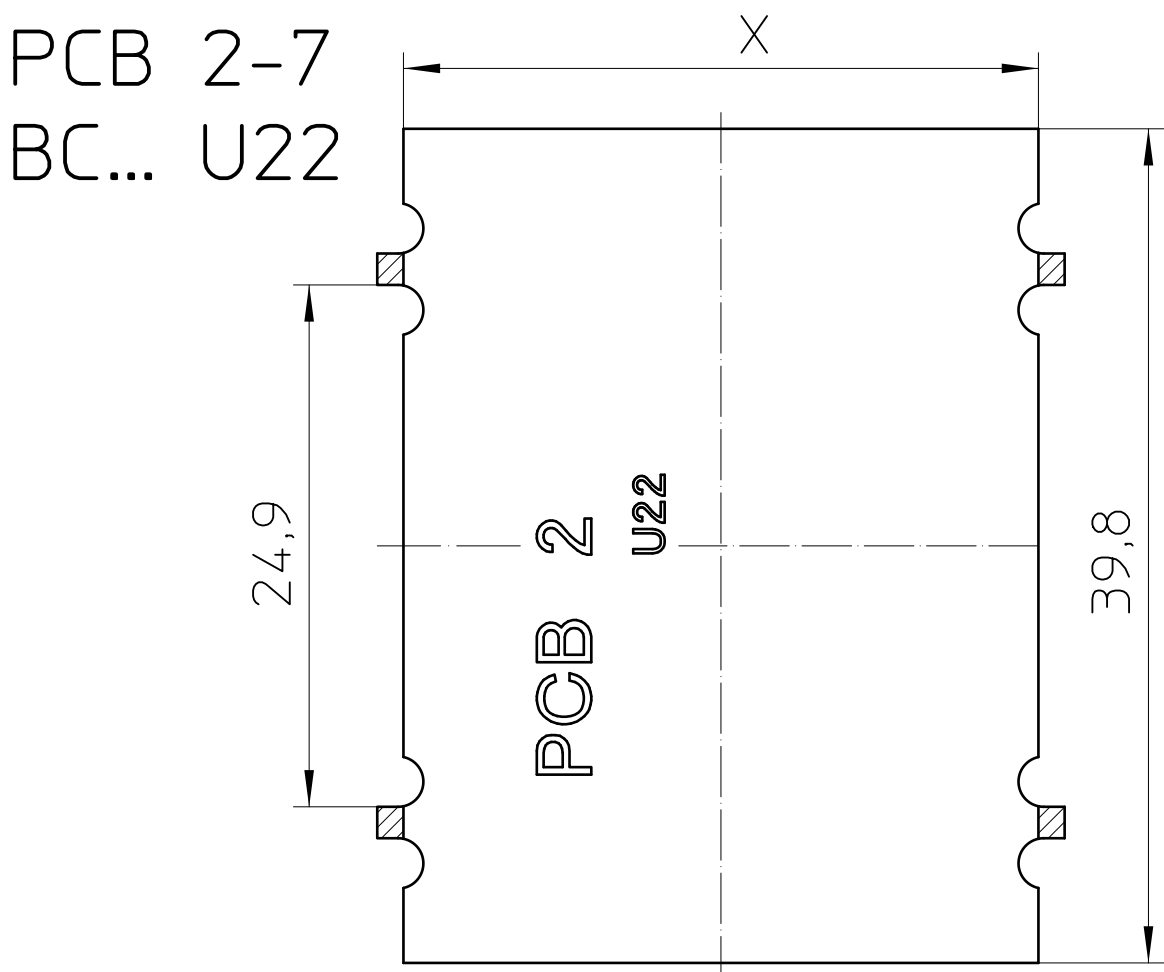
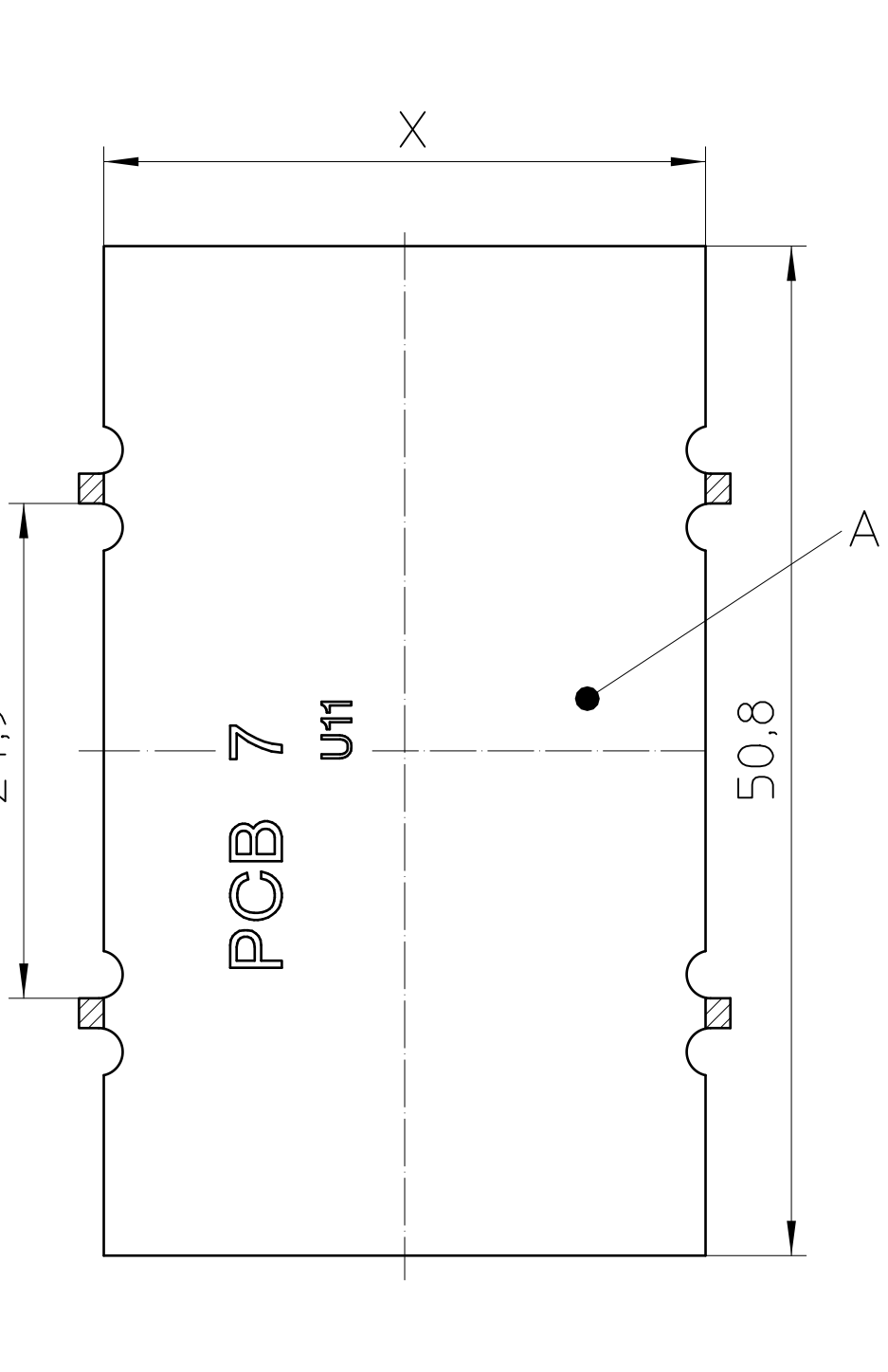
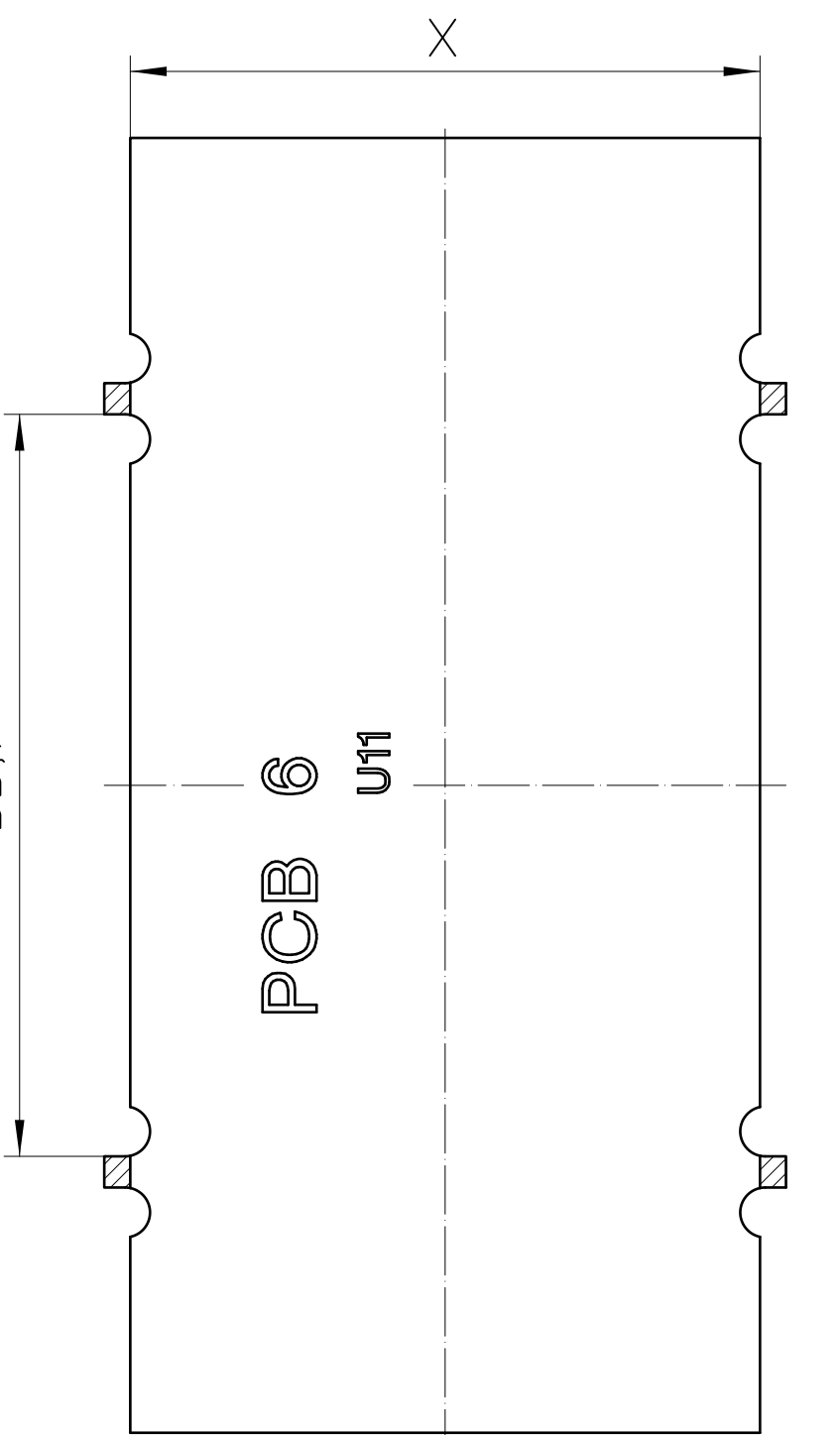
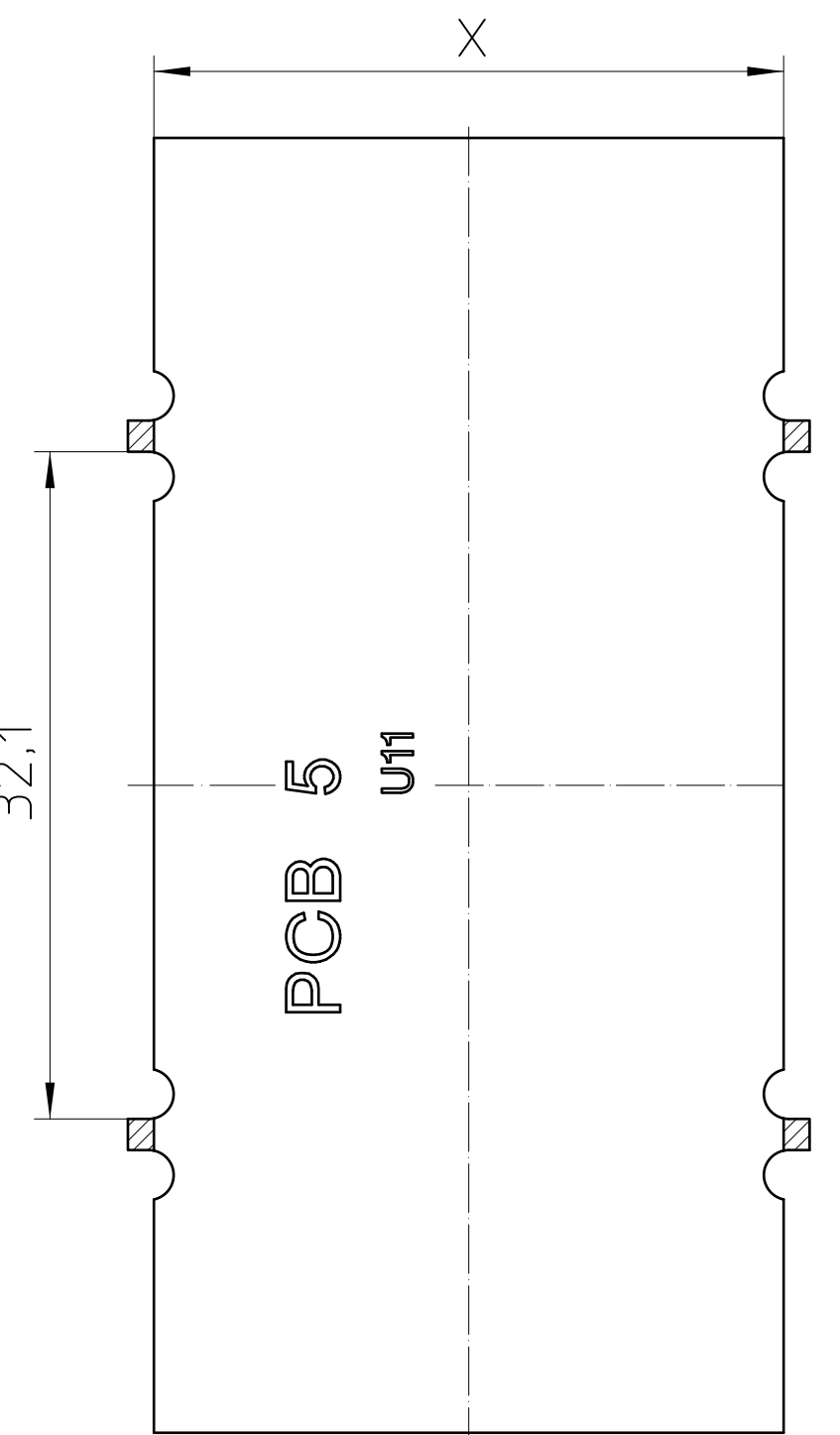
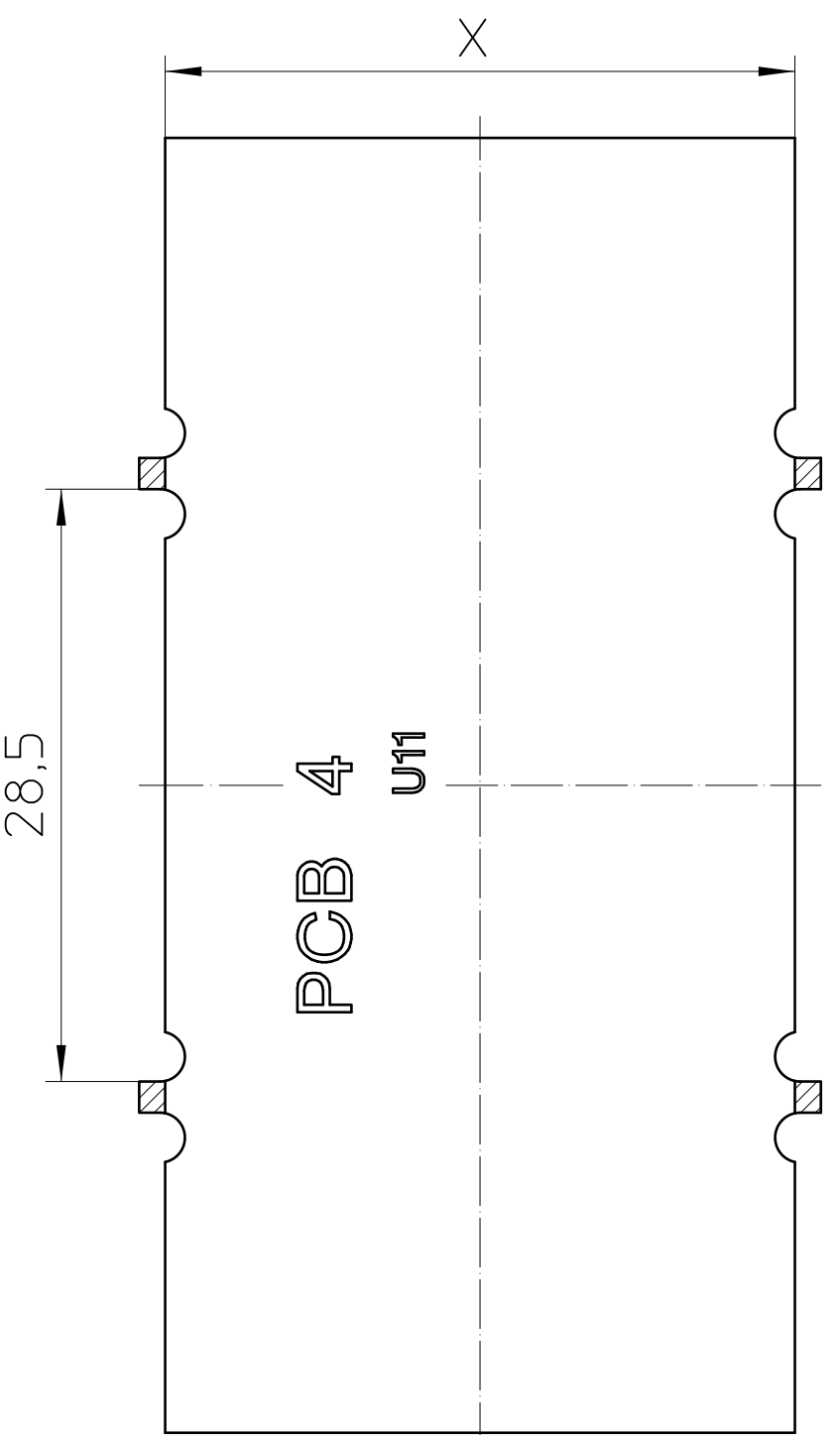
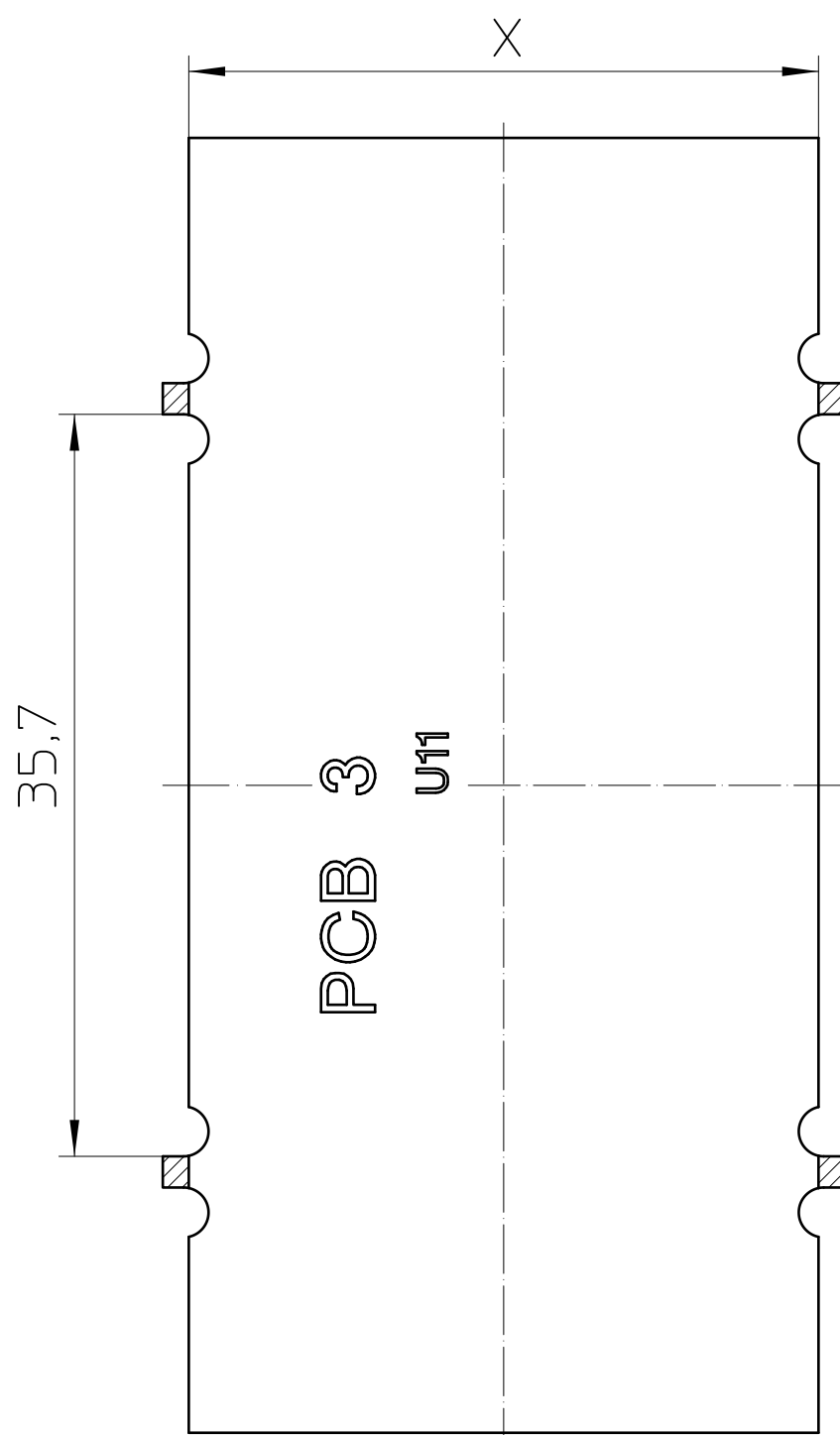
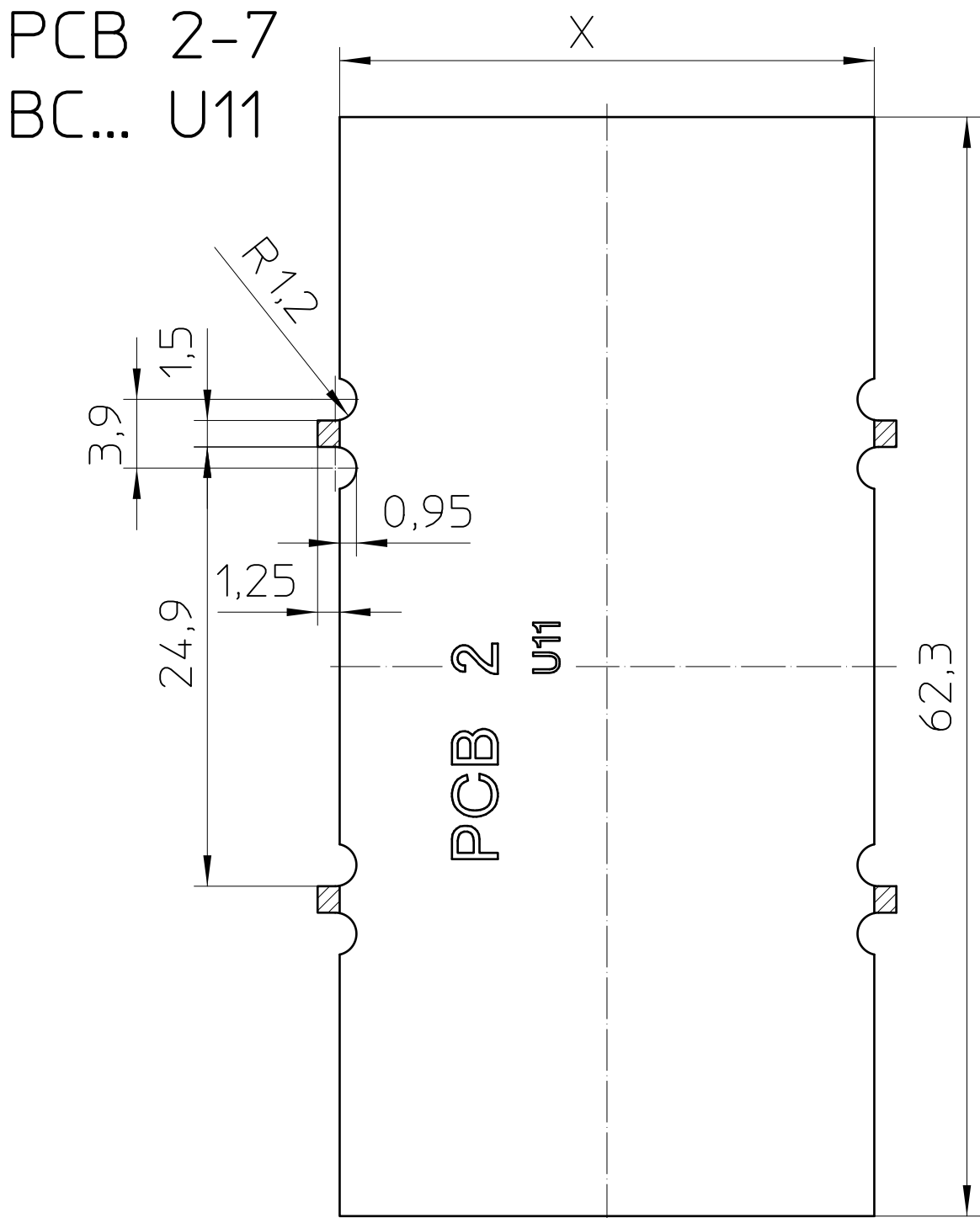


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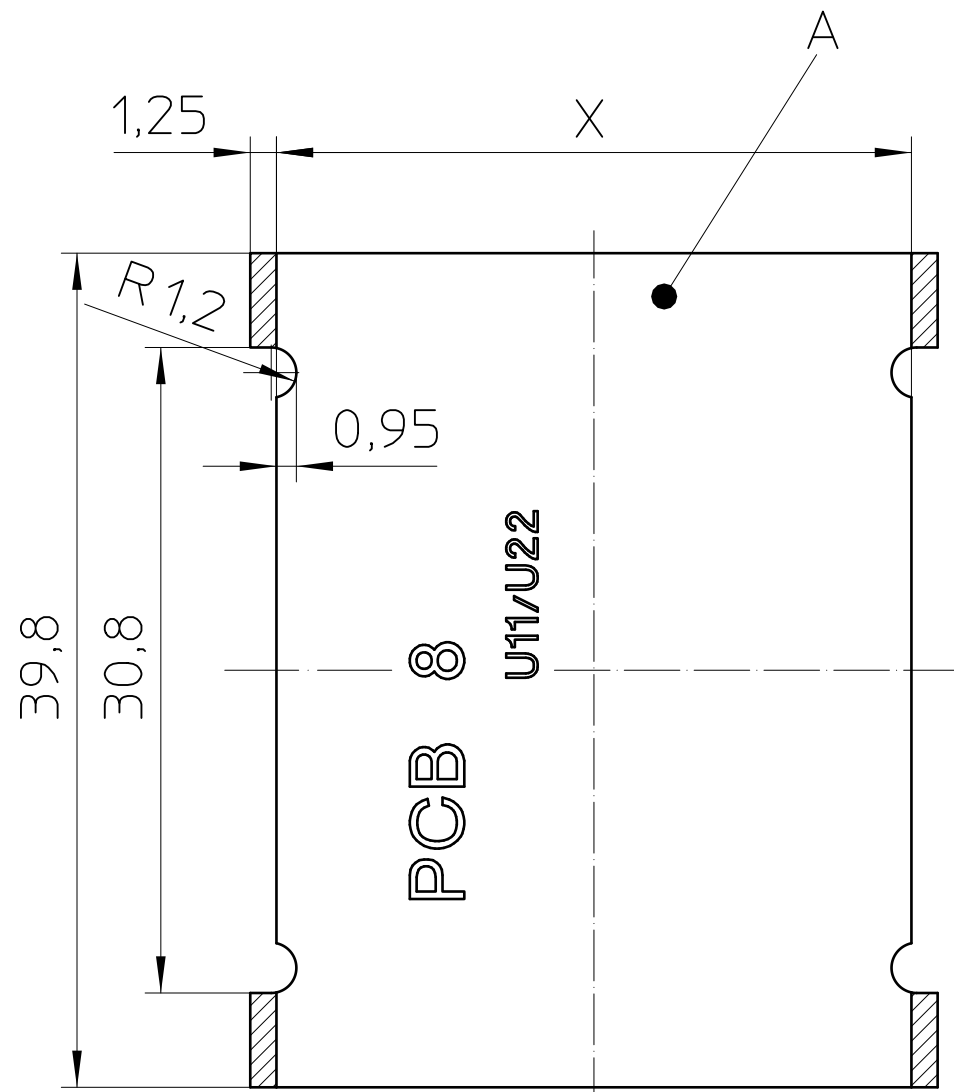
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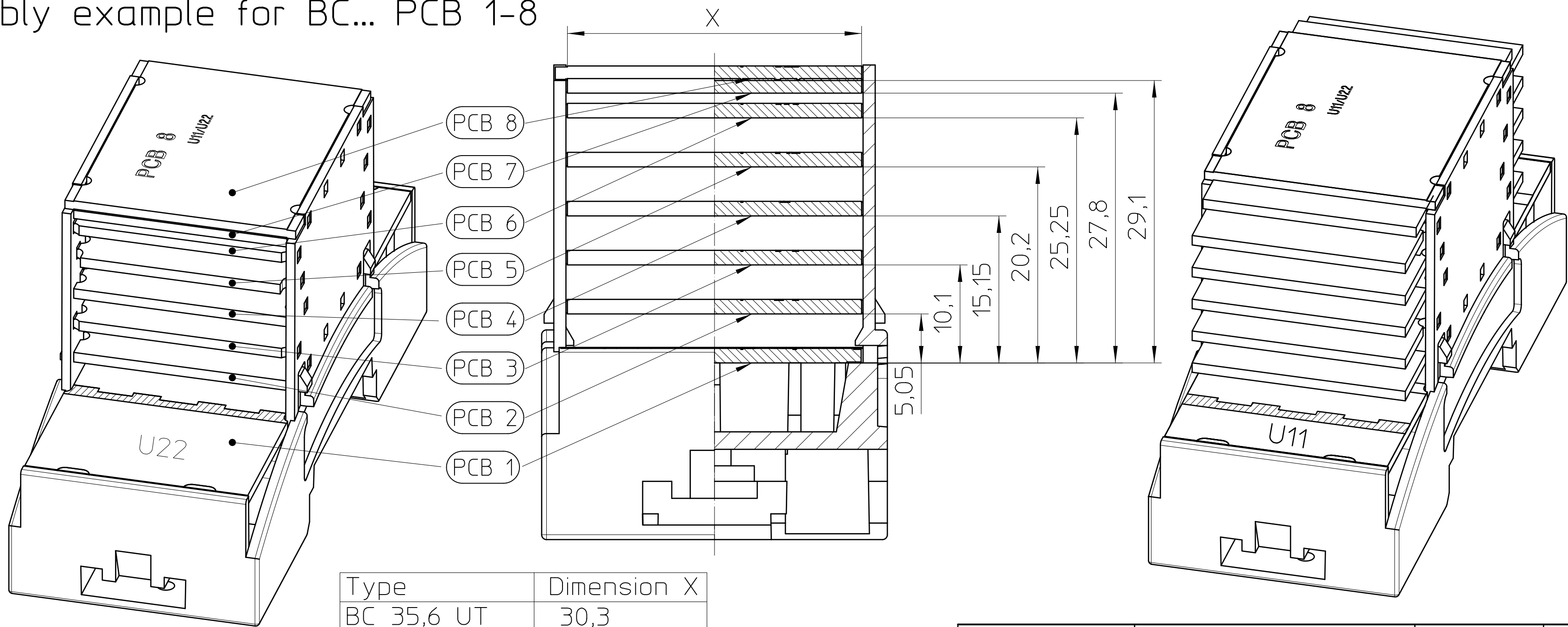
Assembly example for BC... PCB 1-8

PCB 8 BC... U11/U22



- General Information:
- Recommended PCB
 - Simplified representation
 - Document excluded from change process
 - Further information:
www.phoenixcontact.com webcode: #0311
 - Units are in millimeters [mm] and degrees [°]
 - Tolerances apply in a normal climate according to DIN EN ISO 291-23/50-2
 - Tolerances for PCB:
dimensions <=30: ±0,10 / R±0,2 / ±1°
dimensions > 30: ±0,15 / R±0,2 / ±1°
symmetry: 0,2
 - Thickness PCB: t= max 1,8mm
 - Restricted area, no components

Additional Information:
A. In case of collision with the center bar, the center bar can be removed.

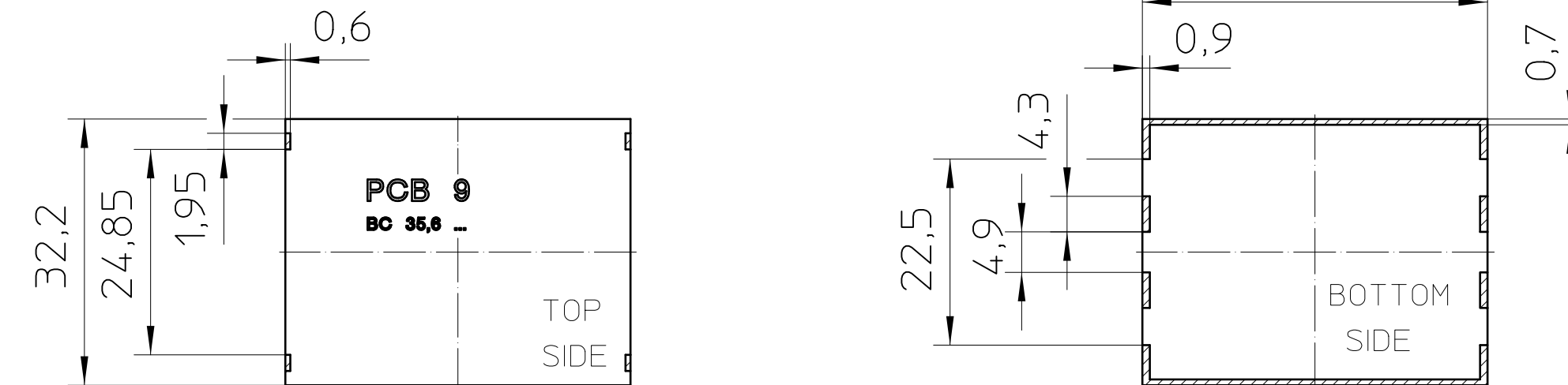


Type	Dimension X
BC 35,6 UT	30,3
BC 53,6 UT	48,3
BC 71,6 UT	66,3
BC 107,6 UT	102,3
BC 161,6 UT	156,3

A
B

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PCB 9 BC 35,6... U11 or U22



Technical drawing of a PCB showing top and bottom views with dimensions.

TOP SIDE:

- Overall width: 50,2
- Overall height: 42,85
- Internal width dimension: 1,95
- Internal height dimension: 0,6
- Label: **PCB 9**
- Label: **BC 63,6**

BOTTOM SIDE:

- Overall width: 40,5
- Overall height: 22,9
- Internal width dimension: 4,5
- Internal height dimension: 4,3
- Internal width dimension: 0,9
- Internal height dimension: 0,7
- Label: **BOTTOM SIDE**

Technical drawing of a PCB showing top and bottom views with dimensions.

TOP SIDE:

- Overall width: 68,2
- Overall height: 60,85
- Distance from top edge to first internal feature: 7,25
- Distance between internal features: 1,95
- Distance from right edge to internal feature: 0,6
- Label: PCB 9 BC 718...

BOTTOM SIDE:

- Overall width: 68,2
- Overall height: 58,5
- Distance from top edge to first internal feature: 40,9
- Distance between internal features: 22,5
- Distance from right edge to internal feature: 4,3
- Distance between internal features: 4,9
- Distance from right edge to internal feature: 0,9
- Label: BOTTOM SIDE

Technical drawing of a PCB showing top and bottom views with dimensions.

TOP SIDE:

- Overall width: 104,2
- Distance from top edge to first internal feature: 96,85
- Distance between internal features: 7,25
- Distance from bottom edge to last internal feature: 1,95
- Overall thickness: 0,6
- Label: PCB 9 BC 107,8...

BOTTOM SIDE:

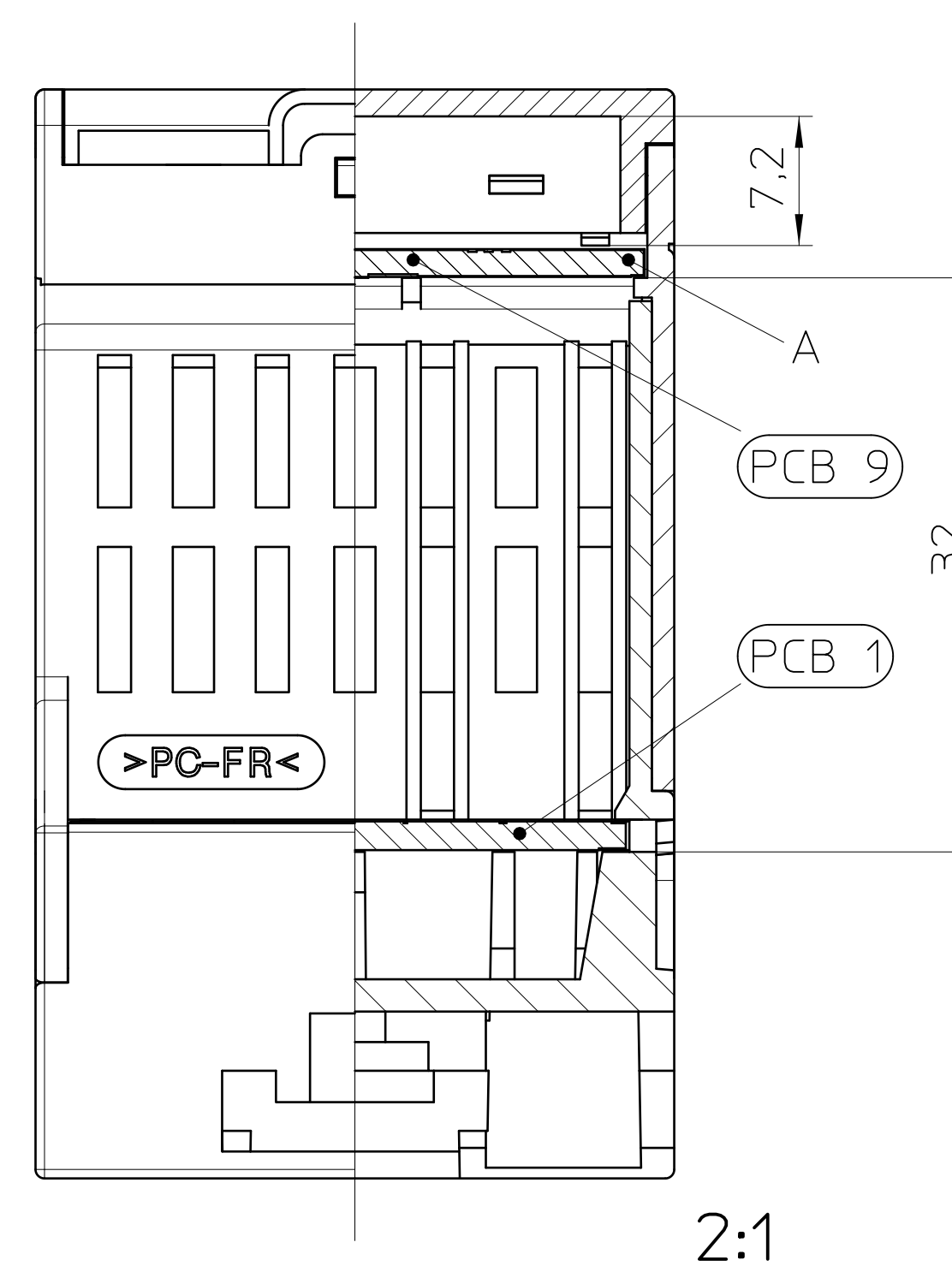
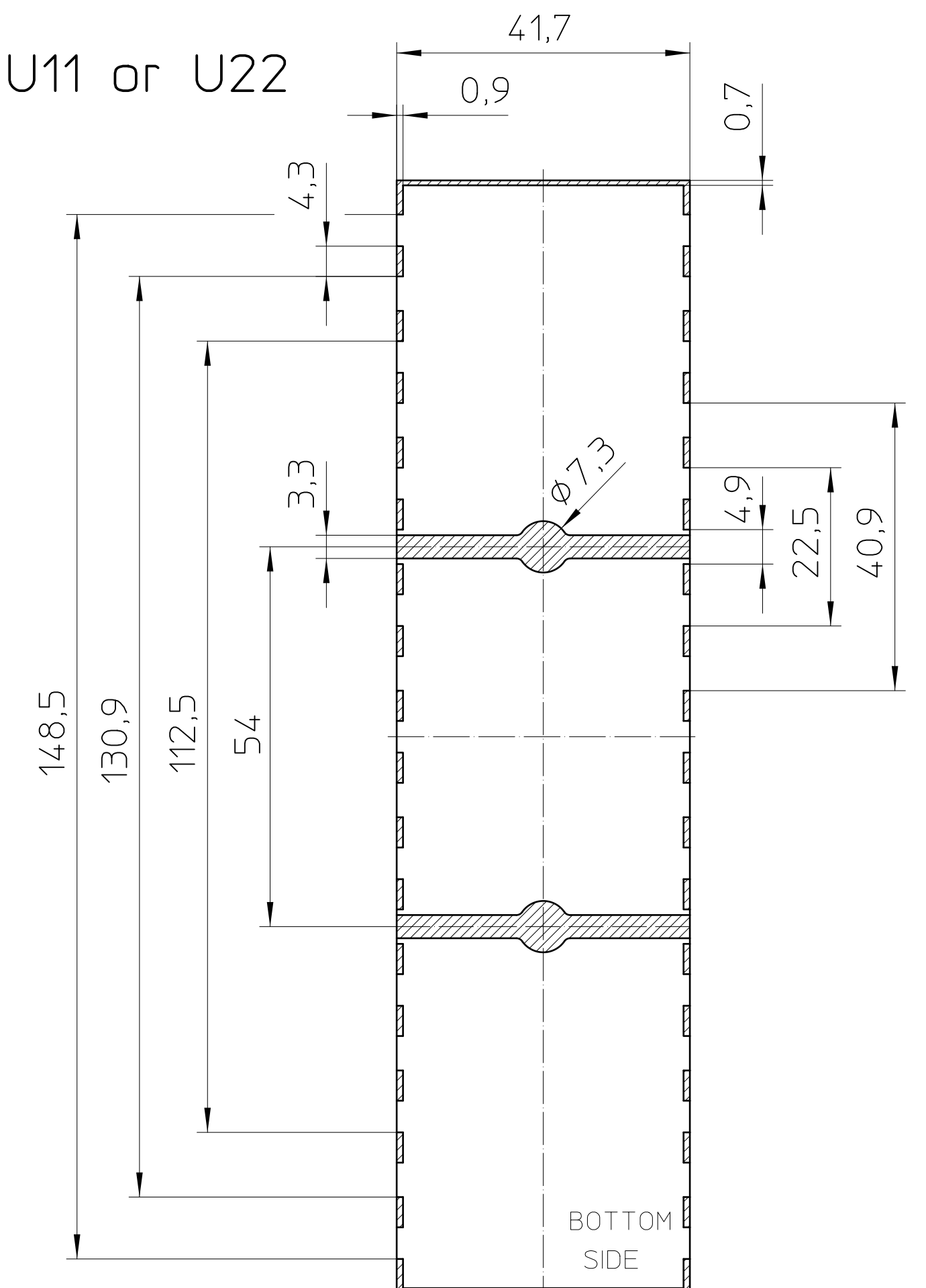
- Overall width: 104,2
- Distance from top edge to first internal feature: 94,5
- Distance between internal features: 76,9
- Distance between internal features: 58,5
- Distance between internal features: 40,9
- Distance between internal features: 22,5
- Distance between internal features: 4,9
- Distance from bottom edge to last internal feature: 4,3
- Overall thickness: 0,7
- Label: BOTTOM SIDE

Technical drawing of a PCB layout showing dimensions and labels. The drawing includes a top view of the PCB with a dashed line indicating the TOP SIDE. Dimensions are provided in millimeters (mm):

- Overall length: 158,2
- Distance from top edge to first hole center: 150,85
- Distance between first and second hole centers: 61,25
- Distance between second and third hole centers: 42,85
- Hole diameter: 0,6
- Distance from top edge to first hole center (alternative dimension): 1,95

Labels include:

- PCB 9
- BC 16,8 ...
- TOP SIDE



2:1

- www.phoenixcontact.com webcode: #0311
- Units are in millimeters [mm] and degrees [°]
- Tolerances apply in a normal climate according to DIN EN ISO 291-23/50-2
- Tolerances for PCB:
 - dimensions ≤ 30 : $\pm 0,10$ / $R \pm 0,2$ / $\pm 1^\circ$
 - dimensions > 30 : $\pm 0,15$ / $R \pm 0,2$ / $\pm 1^\circ$
 - symmetry: 0,2
- Thickness PCB: $t = \max 1,8\text{mm}$
-  Restricted area, no components

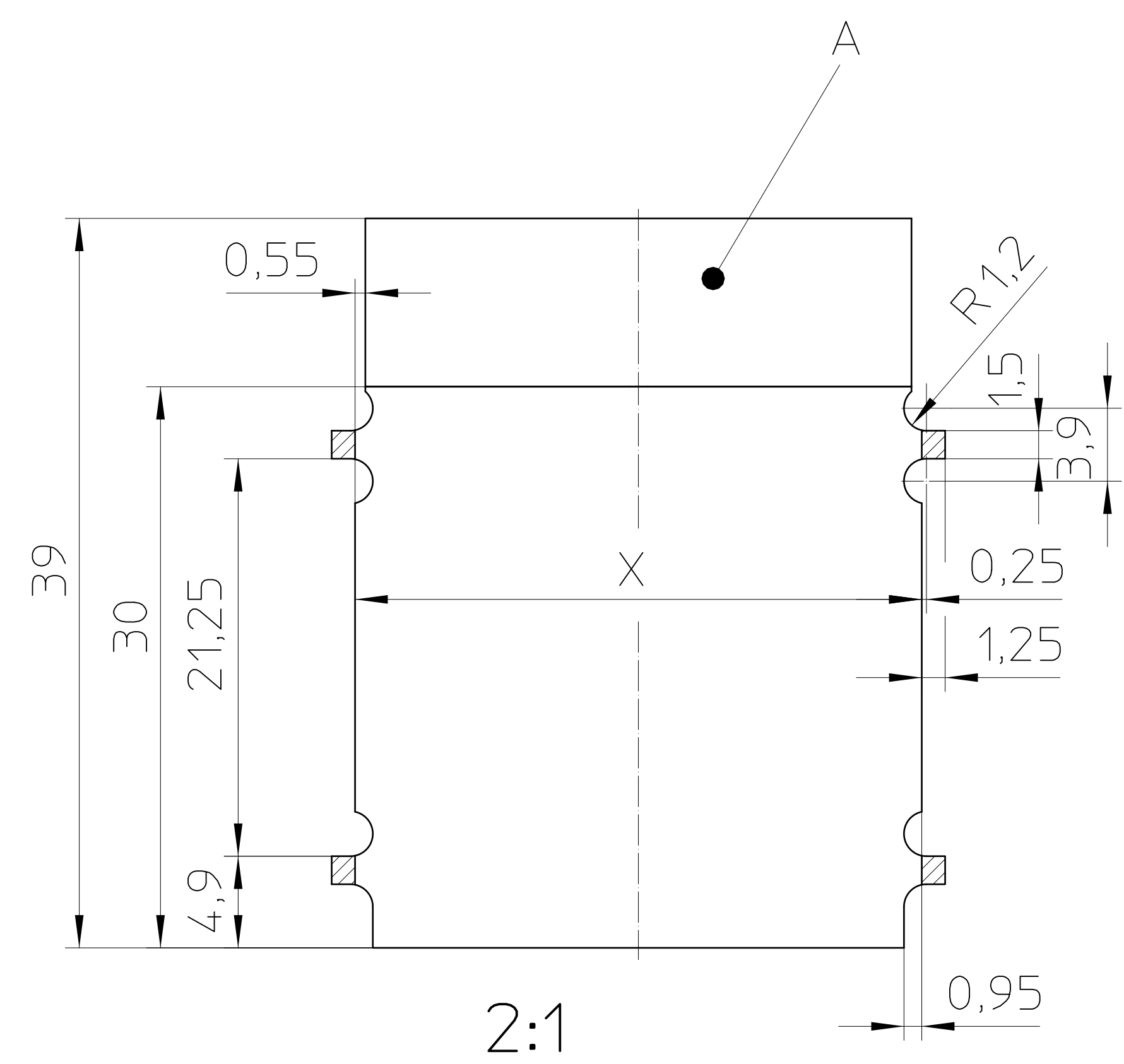
A. Position PCB 9 or position Plate

 DIN A2		document-No. / RI 01365969 / 00	date 18.03.2021	scale 1:1
		ident.-No. 1006942	document-type TECD0C 2D_PCB-Outline	
page 8 of 10		description BC 71,6 OT U11 BK VPE160		

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Recommended PCB 10 BC... U11/U22

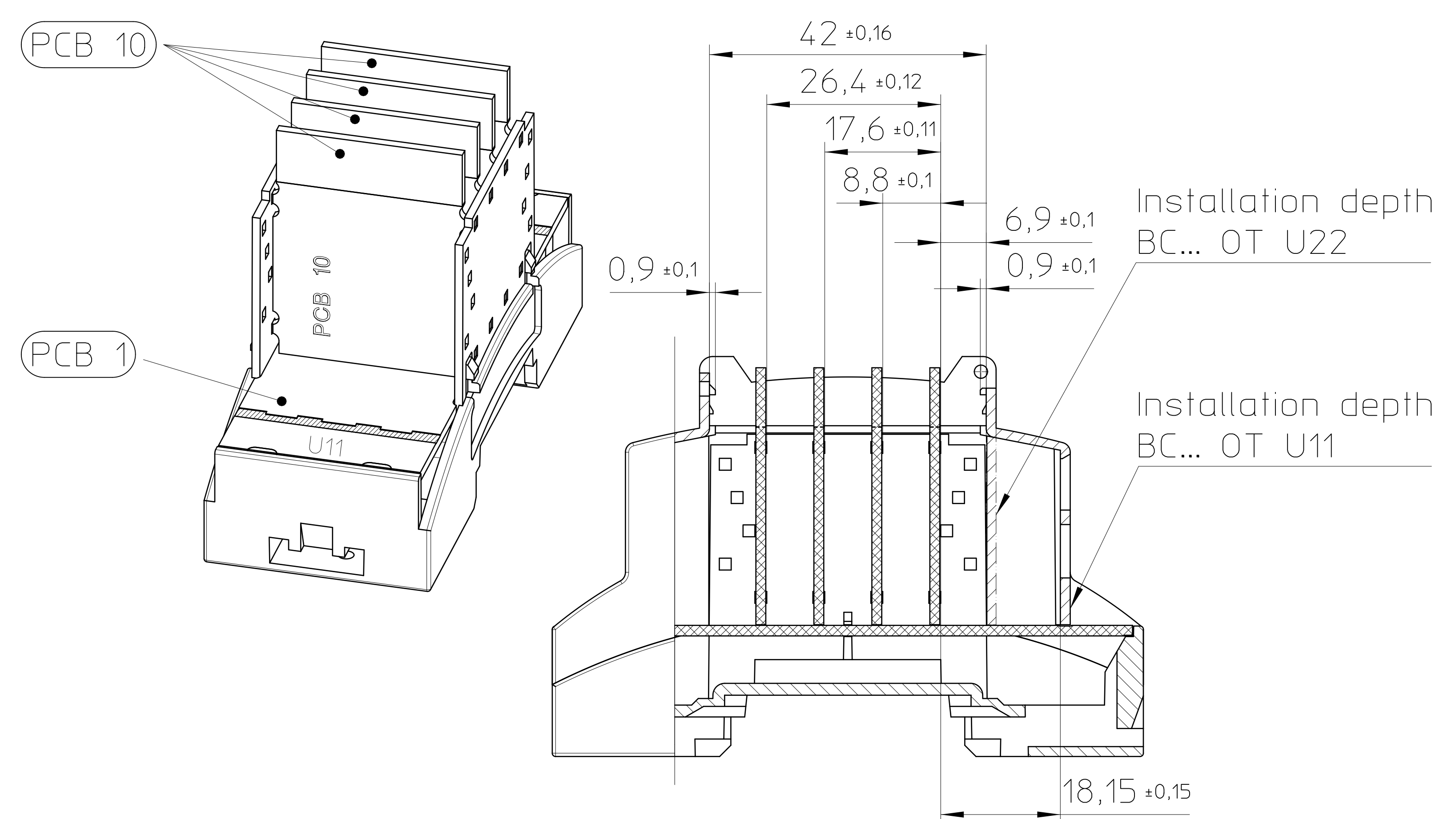


Type	Dimension X
BC 35,6 UT	30,3
BC 53,6 UT	48,3
BC 71,6 UT	66,3
BC 107,6 UT	102,3
BC 161,6 UT	156,3

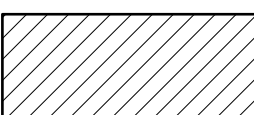
Additional Information:

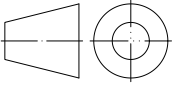
A. Additional PCB area in case of use without cover plate.
In case of collision with the center bar, the center bar can be removed.

Assembly example PCB 10 BC... VERTIKAL

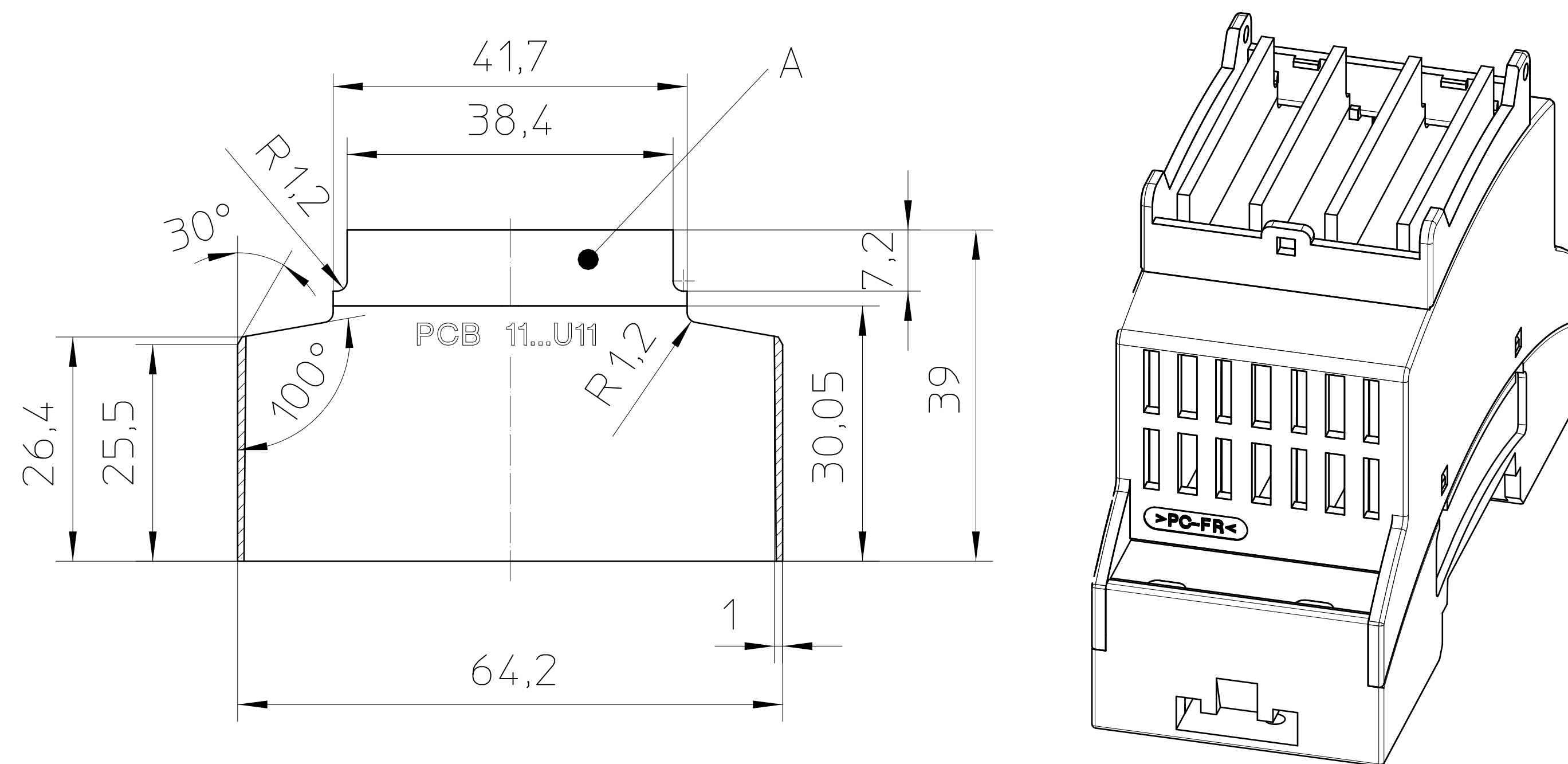


General Information:

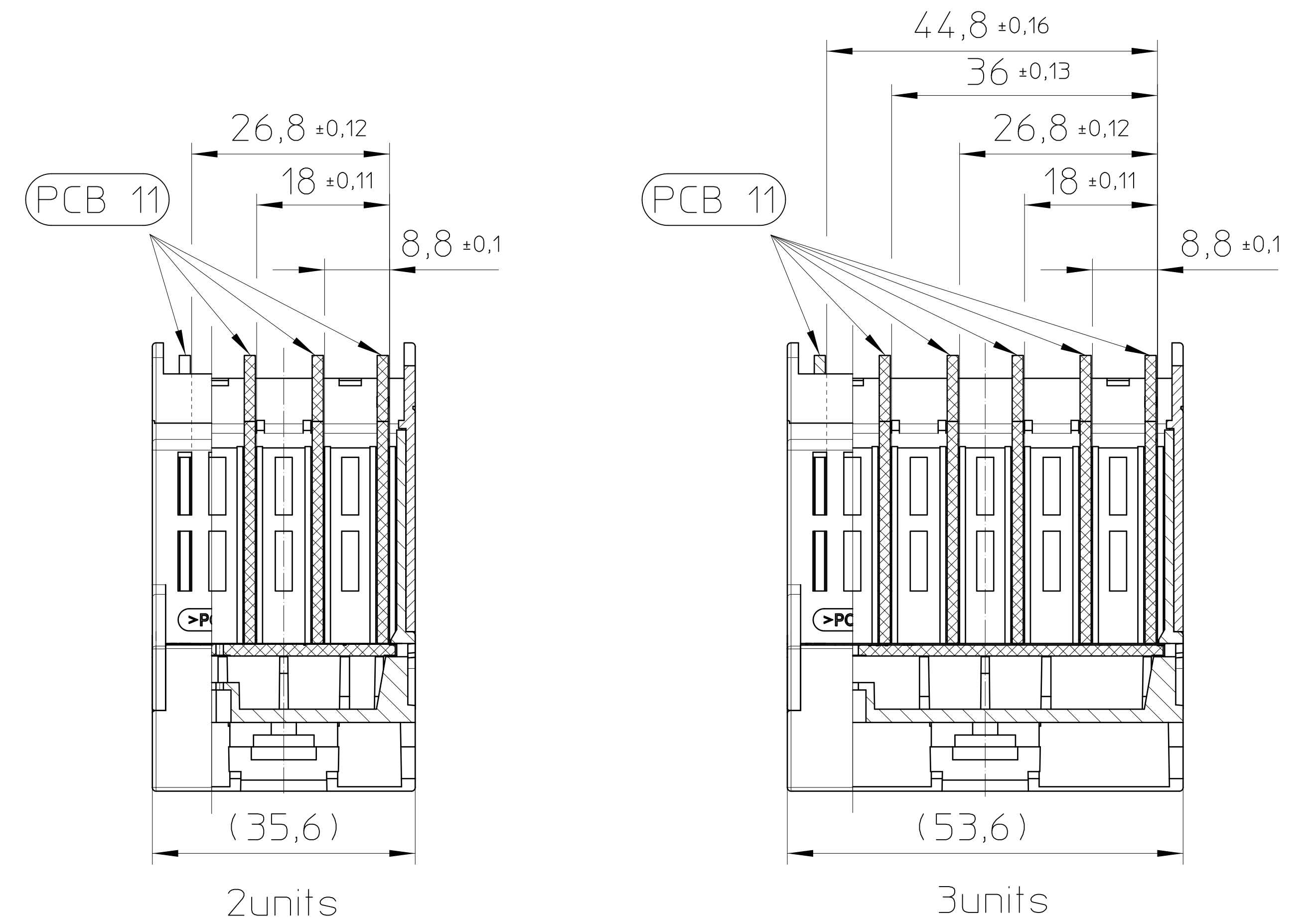
- Recommended PCB
- Simplified representation
- Document excluded from change process
- Further information: www.phoenixcontact.com webcode: #0311
- Units are in millimeters [mm] and degrees [°]
- Tolerances apply in a normal climate according to DIN EN ISO 291-23/50-2
- Tolerances for PCB:
dimensions ≤30: ±0,10 / R±0,2 / ±1°
dimensions > 30: ±0,15 / R±0,2 / ±1°
symmetry: 0,2
- Thickness PCB: t= max 1,8mm
-  Restricted area, no components

 DIN A3	document-No. / RI 01365969 / 00	date 18.03.2021	scale 1:1
	ident.-No. 1006942	document-type TECDOC 2D_PCB-Outline	
page 9 of 10	description BC 71,6 OT U11 BK VPE160		

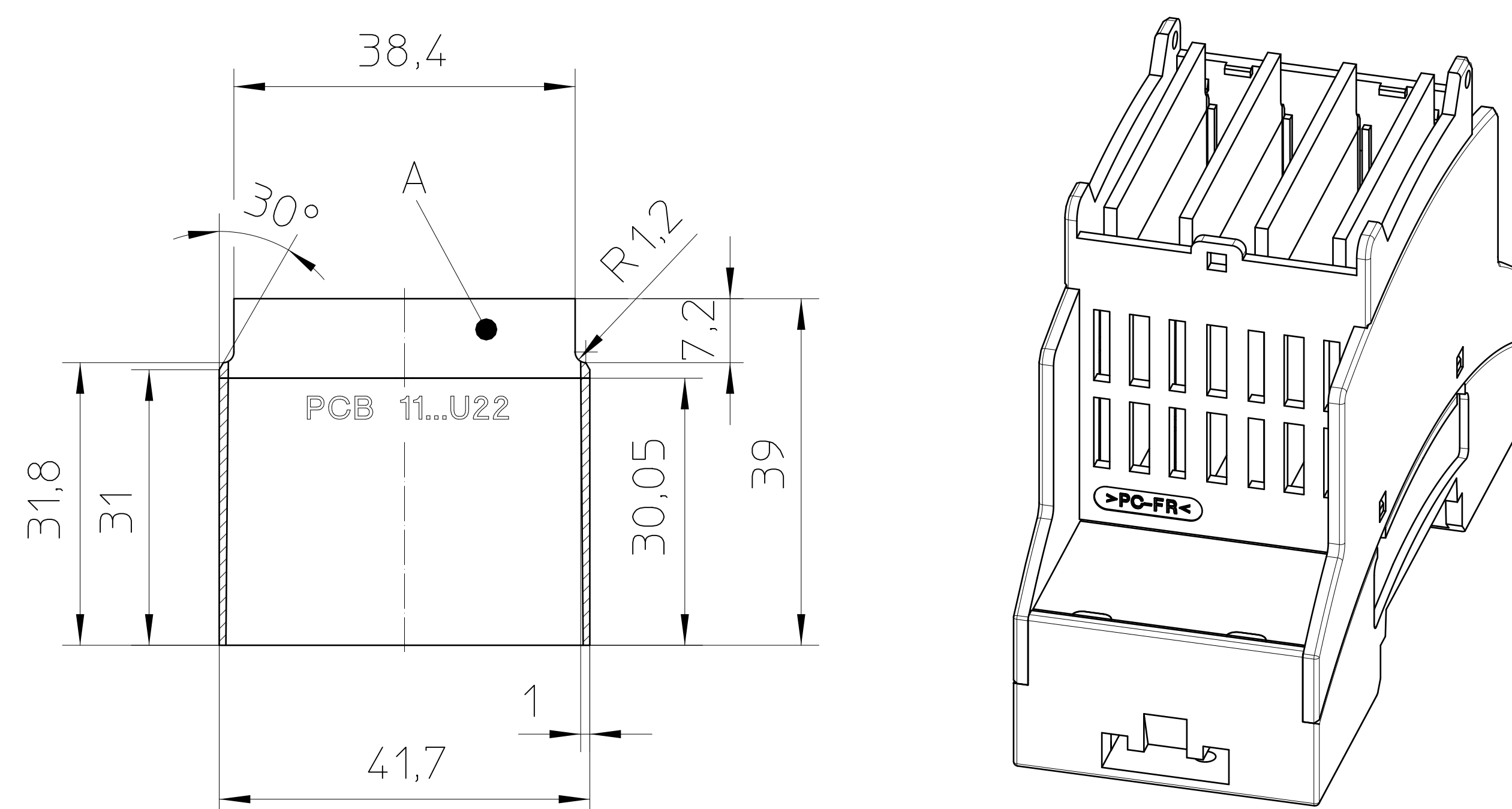
Recommended PCB 11 BC... U11



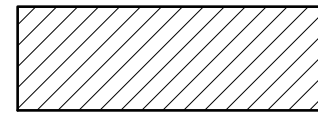
Assembly example for BC.. PCB11



Recommended PCB 11 BC... U22

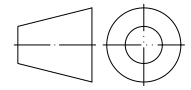


General Information:

- Recommended PCB
- Simplified representation
- Document excluded from change process
- Further information: www.phoenixcontact.com webcode: #0311
- Units are in millimeters [mm] and degrees [°]
- Tolerances apply in a normal climate according to DIN EN ISO 291-23/50-2
- Tolerances for PCB:
 - dimensions ≤ 30 : $\pm 0,10$ / $R \pm 0,2$ / $\pm 1^\circ$
 - dimensions > 30 : $\pm 0,15$ / $R \pm 0,2$ / $\pm 1^\circ$
 - symmetry: 0,2
- Thickness PCB: $t = \max 1,8\text{mm}$
-  Restricted area, no components

Additional Information:

A. Additional PCB area in case of use without cover plate.

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