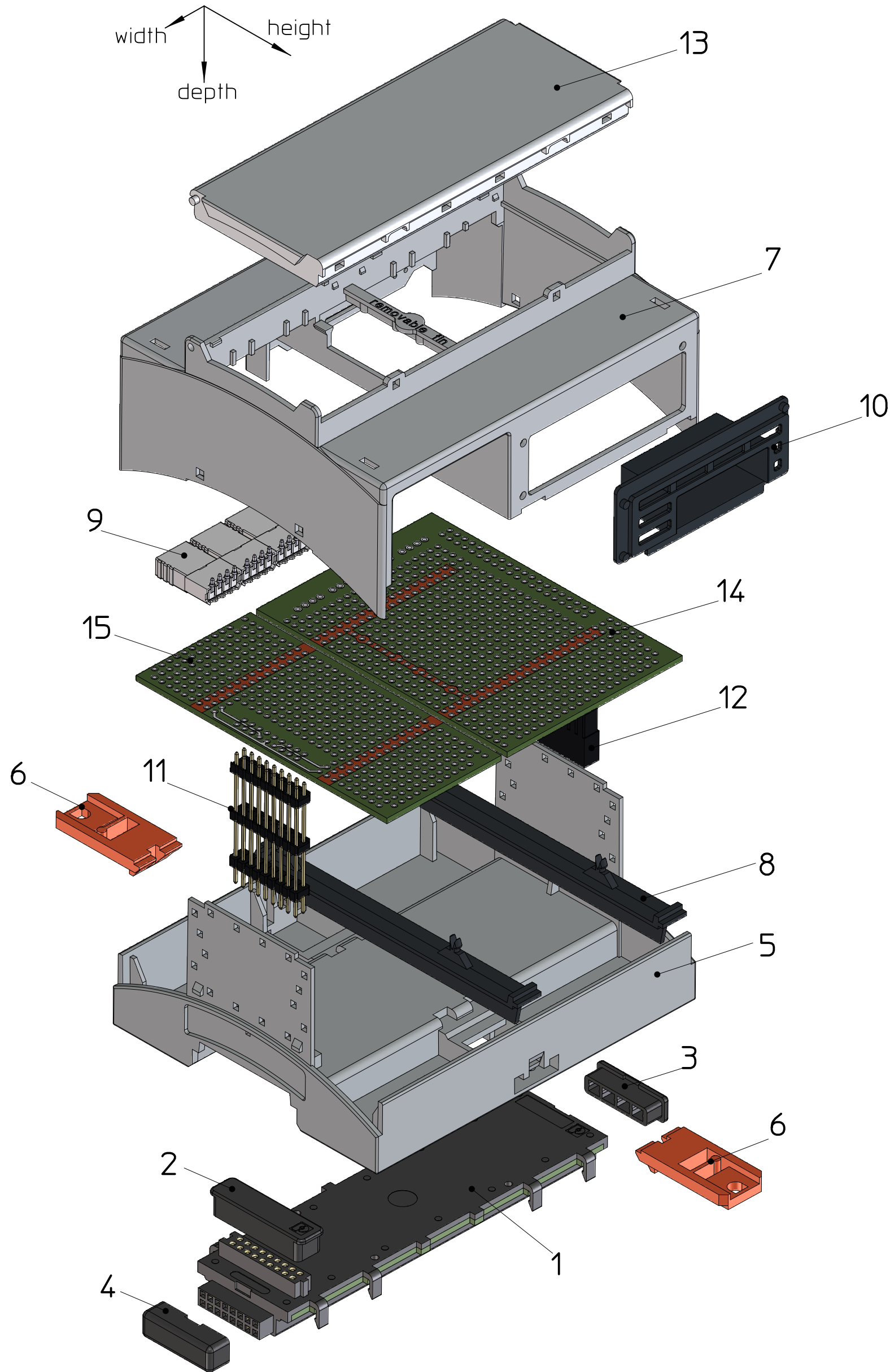


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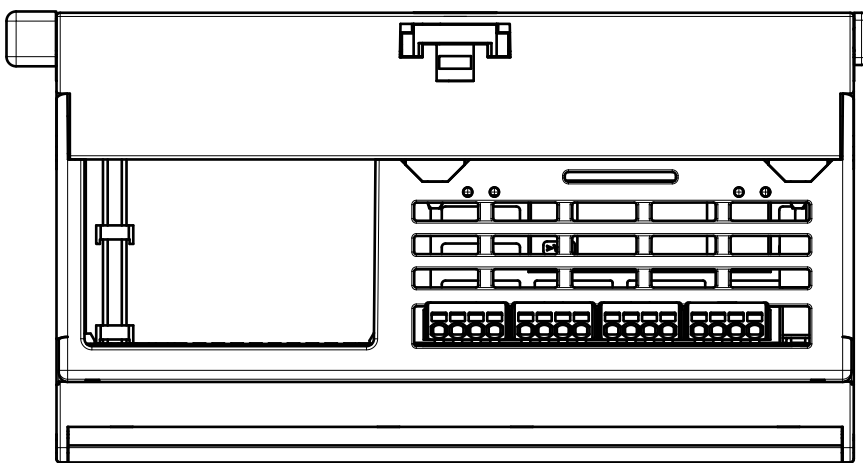
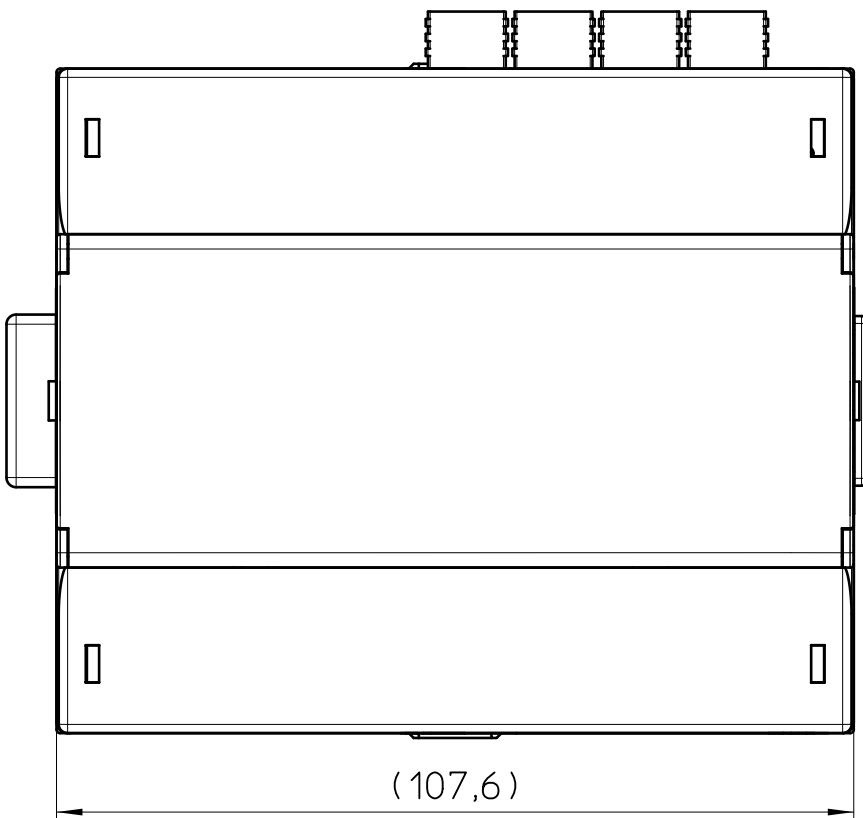
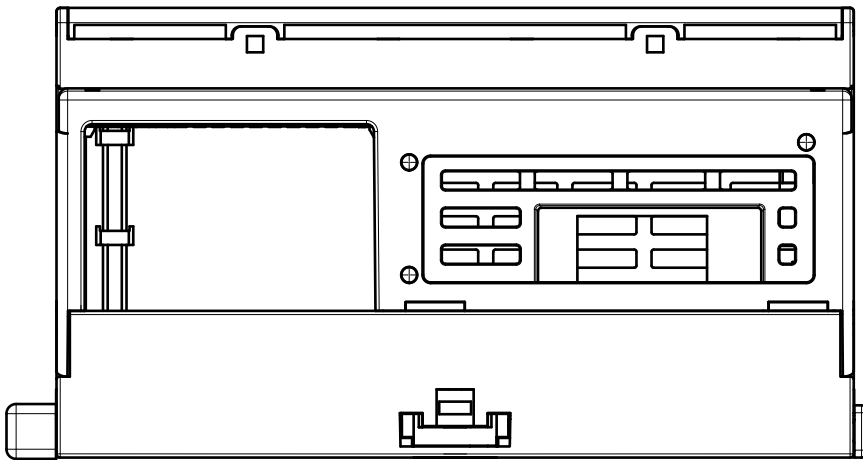
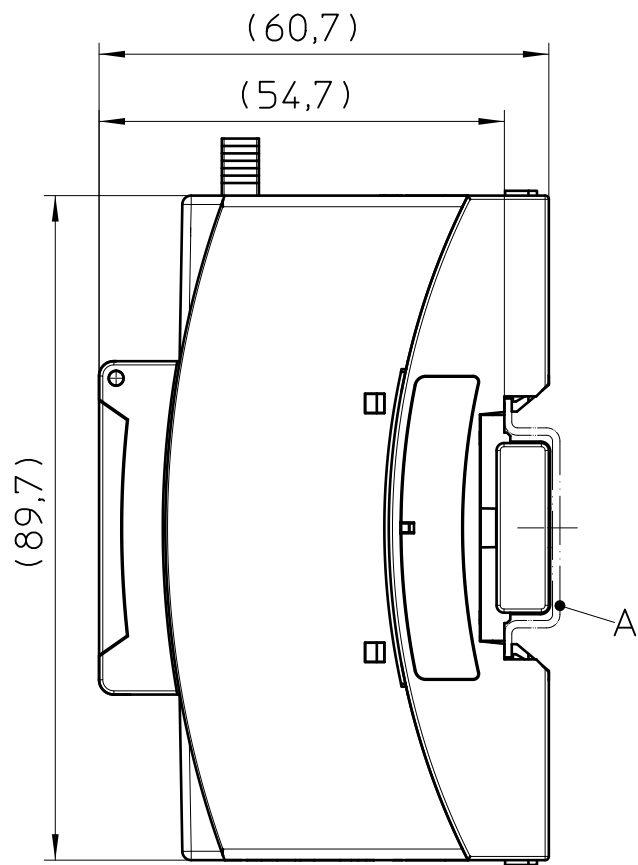
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Assembly example



- General Information:
- Simplified representation
 - Document excluded from change process
 - Units are in millimeters [mm] and degrees [°]
 - Tolerances apply in a normal climate according to DIN EN ISO 291-23/50-2
 - Web: www.phoenixcontact.com

Additional Information:

A. Mounting rail like EN 60715, TH 35-7,5 or
mounting rail similar to EN 60715, TH 35-15x1,5

KIT (not mounted)					
Pos.	QTY	Description			
1	1	MOUNTING RAIL BUS CONNECTOR			
2	1	FILLER PLUG-T			
3	1	FILLER PLUG-R			
4	1	FILLER PLUG-L			
5	1	HOUSING LOWER PART			
6	2	FOOT CATCH			
7	1	HOUSING UPPPER PART			
8	2	PCB HOLDER			
9	4	CONNECTION TECHNOLOGY PTSM			
10	1	RPI ADAPTER			
11	1	CONNECTOR PSTD			
12	1	CONNECTOR PSTD			
13	1	COVER			
14	1	PCB RIGHT			
15	1	PCB LEFT			
		DIN A2	document-No. / RI 01377541 / 00	date 16.07.2021	scale 1:1
			ident.-No. 1107460	document-type TECDOC 2D_Productdrawing	
			description		
			RPI-BC 107,6 EXT DEV-KIT KMGY		
page 1		of 10			

A

B

C

D

E

F

1

2

3

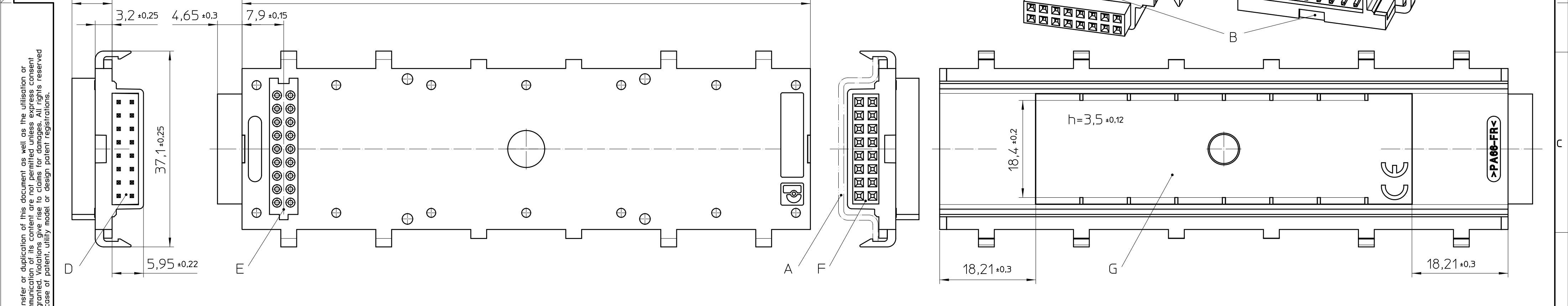
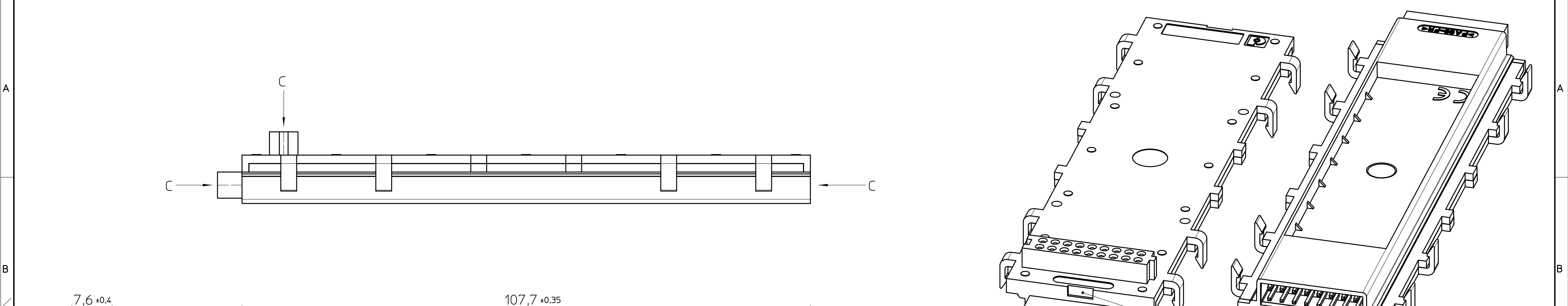
4

5

6

7

8



General Information:

- Simplified representation
- Document excluded from change process
- Linear dimensions [mm]
- Tolerances apply in a normal climate according to DIN EN ISO 291-23/50-2 PA plastic parts with about 2% (% by weight) moisture content.
- Further information: www.phoenixcontact.com webcode: #0311

A. Mounting rail like EN 60715: TH 35-7,5 or mounting rail TH 35-15x1,5 similar to EN 60715

B. Disassembly notch to separate BUS modules with screwdriver

C. Optional HBUS-B ... : to protect unused HBUS connectors

D. Male connector

E. Top connector

F. Female connector

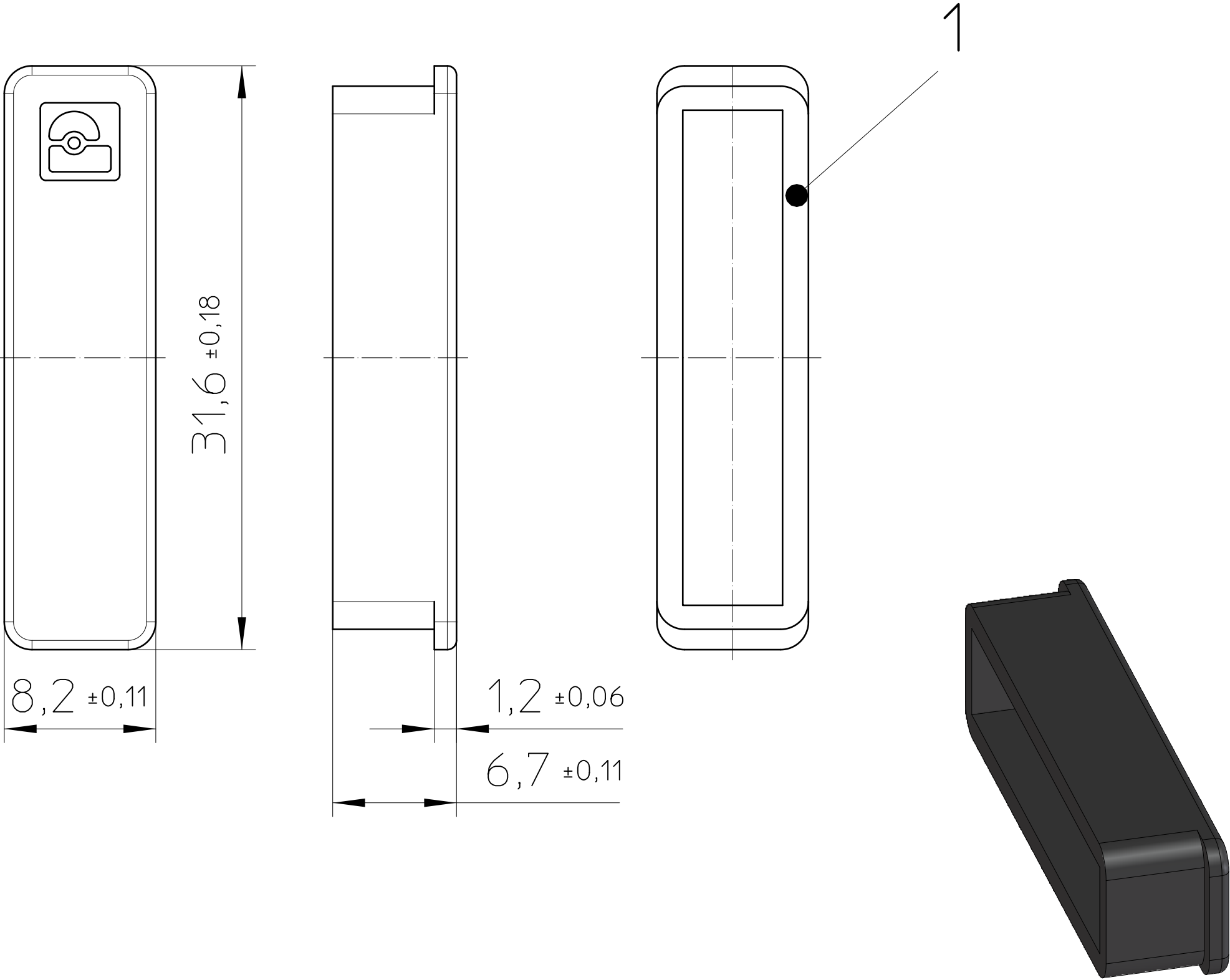
G. Free space for the mounting a screw head in the TH rail

Current carrying capacity 3A per contact however total current max. 25A

	DIN A2	document-No. / RI	01377541 / 00	date	16.07.2021	scale	2:1
		ident.-No.	1107460	document-type	TECDOC 2D_Productdrawing		
		description	RPI-BC 107,6 EXT DEV-KIT KMGY				
page 2	of 10						

A

FILLER PLUG TOP



B

C

- General information
- Simplified representation
 - Document excluded from change process
 - Linear dimensions [mm]
 - Tolerances apply in a normal climate according to DIN EN ISO 291-23/50-2, PA plastic parts with about 2% (% by weight) moisture content.
 - Further information: www.phoenixcontact.com webcode: #0311

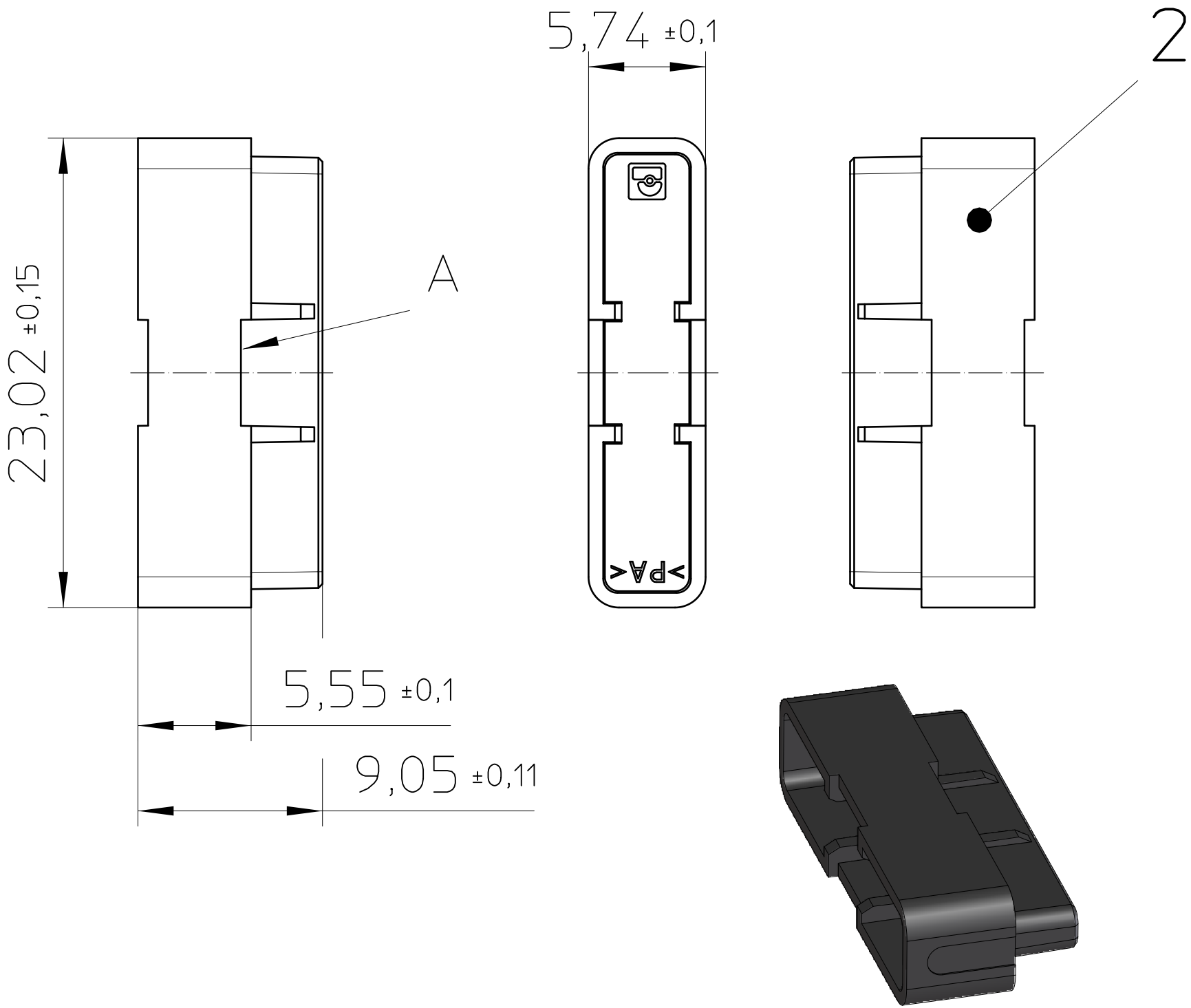
Additional Information:
A. Notch to disassembly by screwdriver

1

2

3

FILLER PLUG R/L



A

B

C

KIT (not mounted)				
Pos.	QTY	Description	Material	
1	1	FILLER PLUG TOP	PA	
2	2	FILLER PLUG RIGHT+LEFT	PA	
 DIN A4		document-No. / RI 01377541 / 00	date 16.07.2021	scale 2:1
		ident.-No. 1107460	document-type TECDOC 2D_Productdrawing	
		description RPI-BC 107,6 EXT DEV-KIT KMGY		
page 3		of 10		

D

4

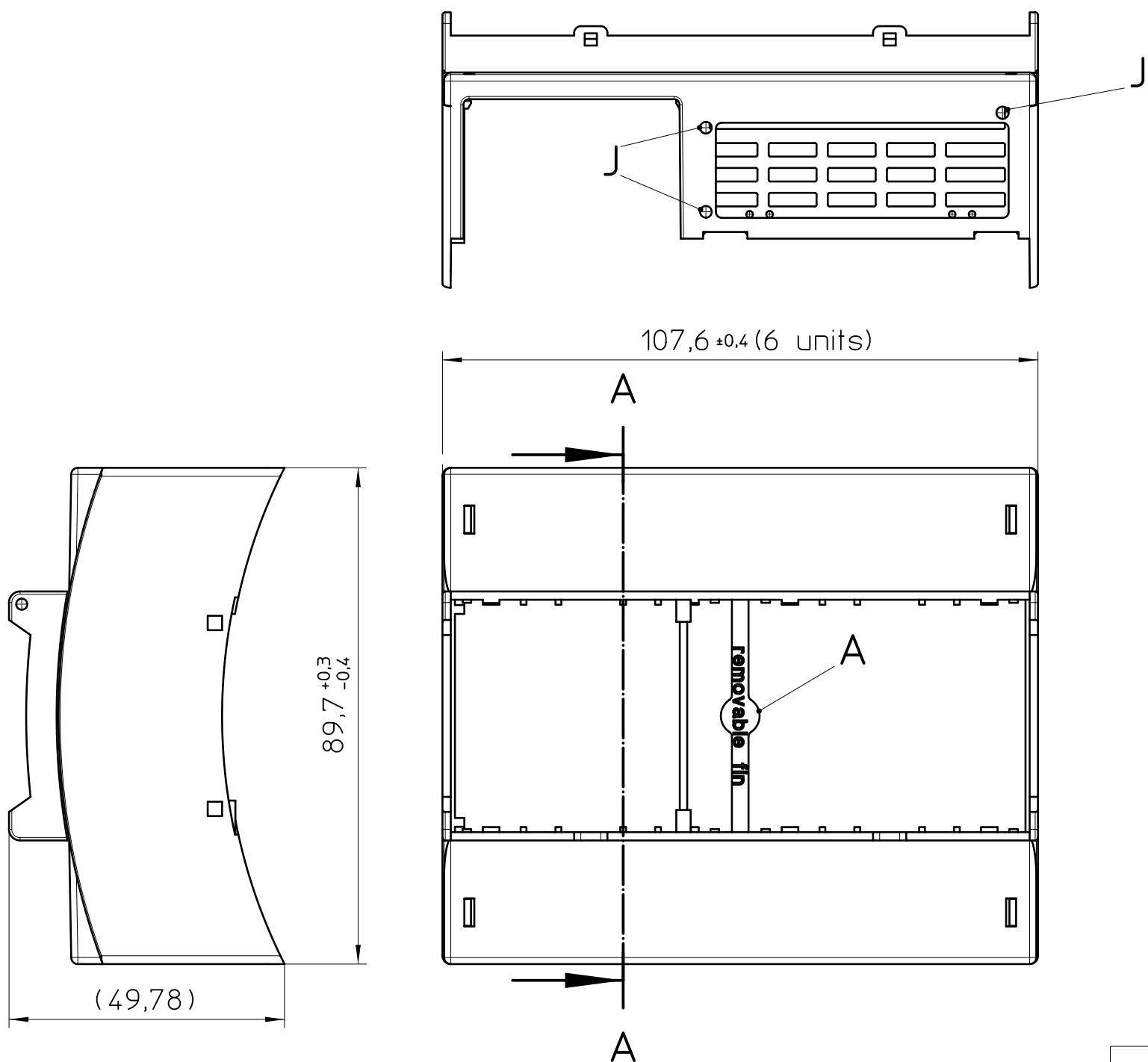
5

6

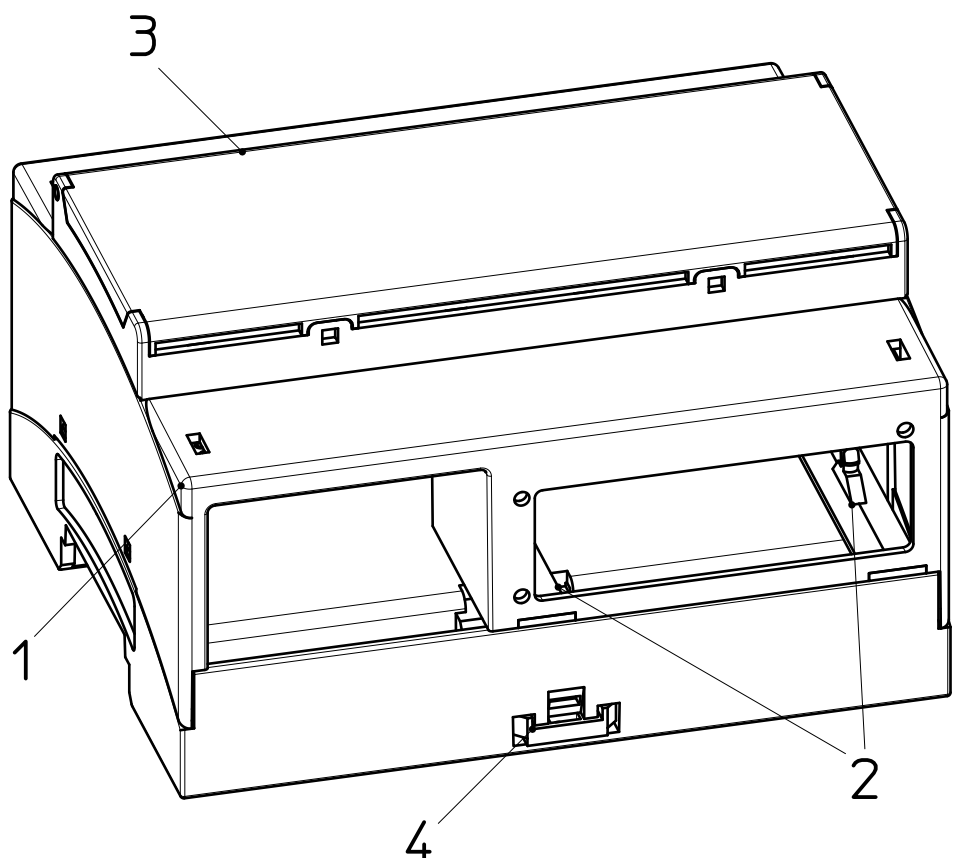
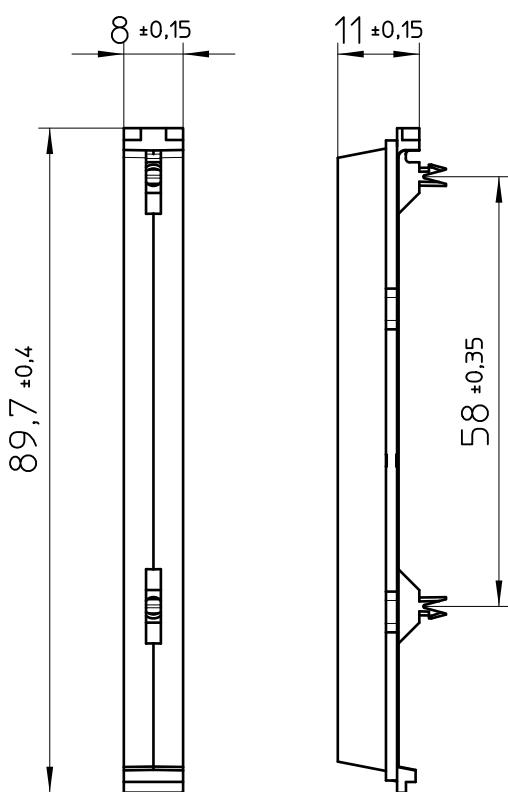
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HOUSING UPPER PART: RPI HS BC 107,6



PCB HOLDER

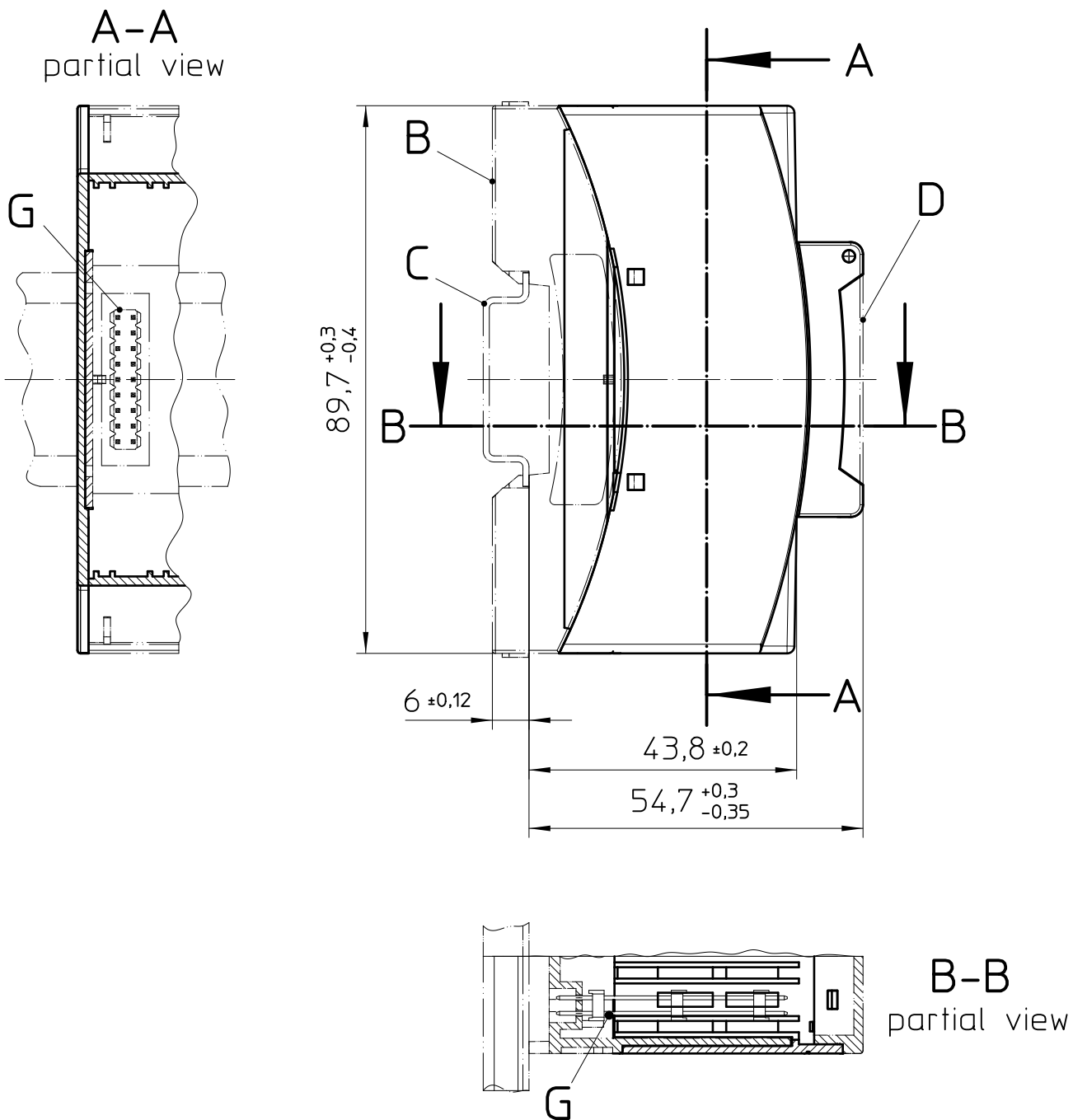


KIT

RPI-BC 107,6 DEV-KIT		
Pos.	QTY	Description
1	1	HOUSING UPPER PART
2	2	PCB HOLDER
3	1	COVER
4	2	FOOT CATCH

Assembly example

Overall dimensions compliant DIN 43880

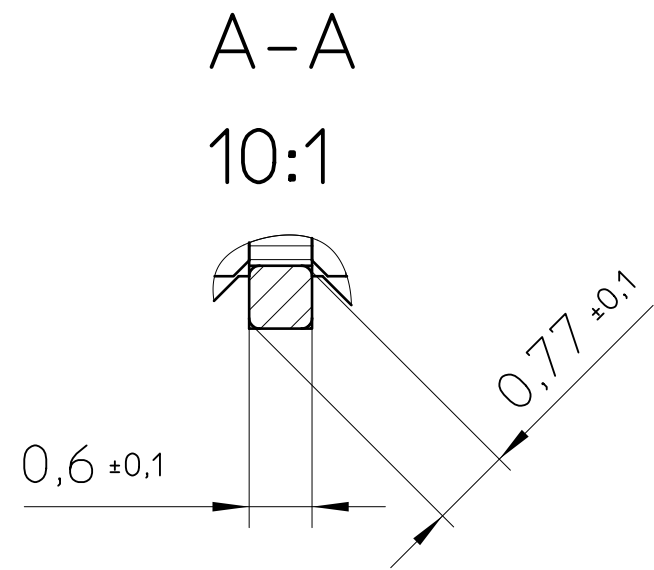
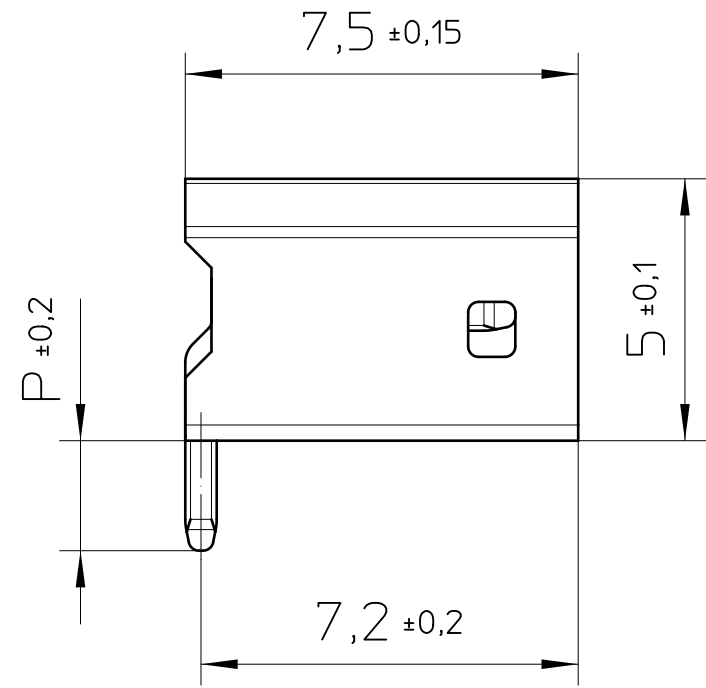
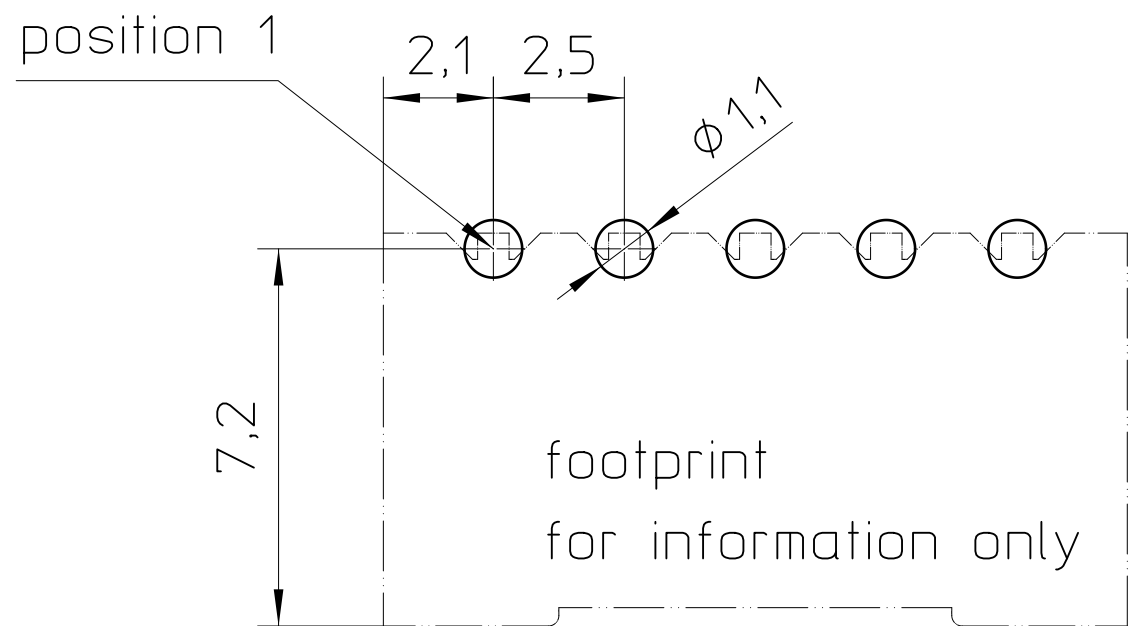
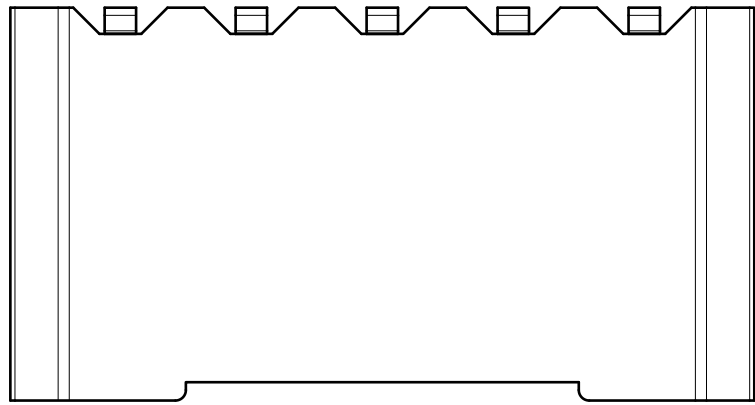
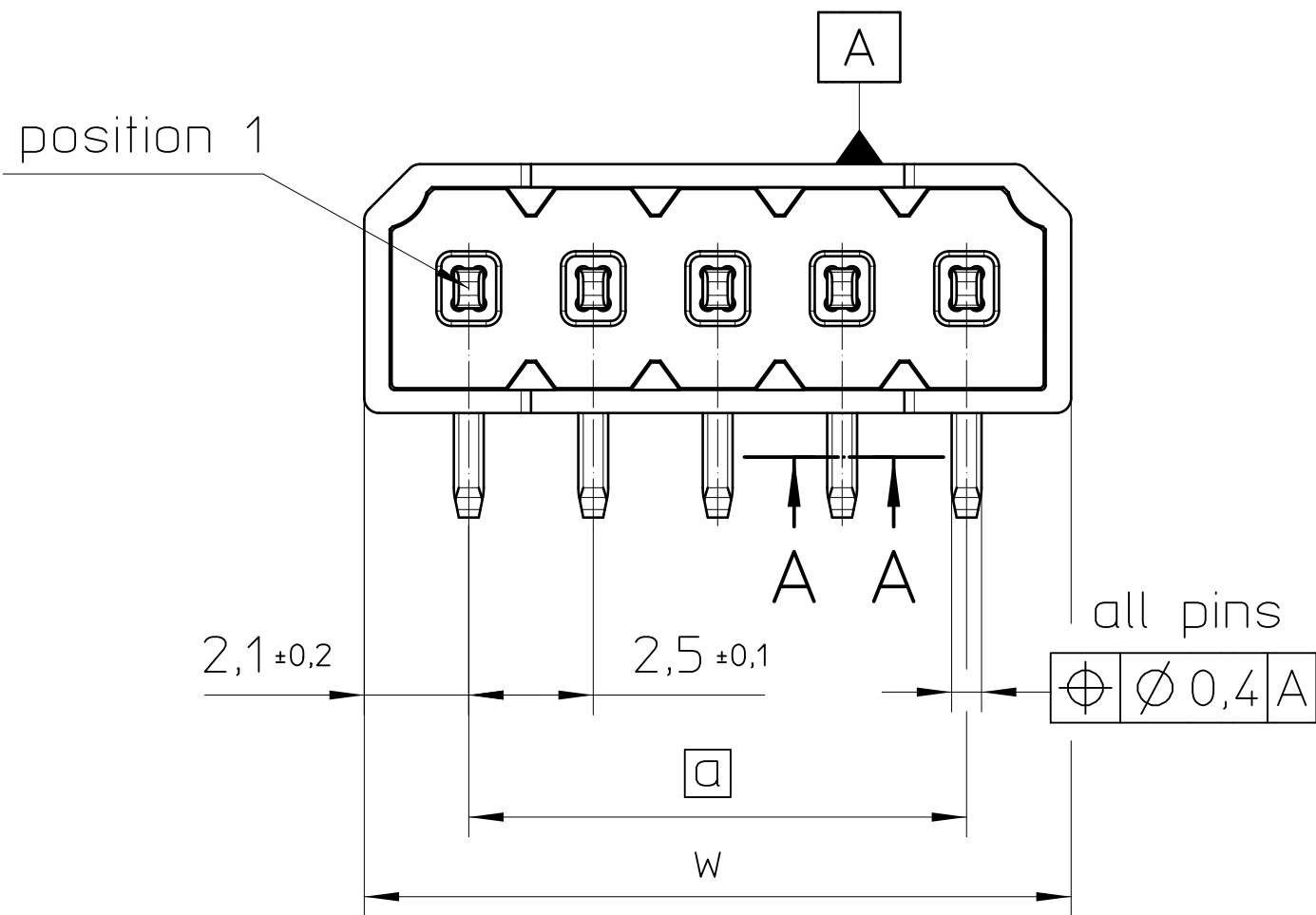


- General Information:
- Simplified representation
 - Document excluded from change process
 - Linear dimensions [mm]
 - Tolerances apply in a normale climate according to DIN 50014-23/50-2.
 - Further information: www.phoenixcontact.com webcode: #0664

- A. Removeable fin
B. Housing lower part (BC 107,6 UT HBUS)
C. Mounting rail like EN 60715: TH 35-7,5 or mounting rail TH 35-15x1,5 similar to EN 60715
D. Cover
E. PCB
F. Position PCB Ext and PCB Int
G. Plug for HBUS (PSTD 0,65X0,65/18-3IS-2,54)
H. Latching for PCB (RPI-BC EXT-PCB HBUS SET)
I. Latching for PCB (RPI-BC INT-PCB SET)
J. Mounting holes for RPI-BC A+-ADAPTER

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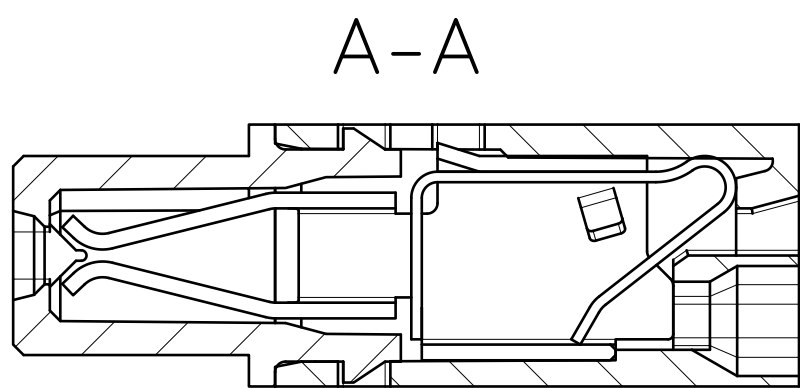
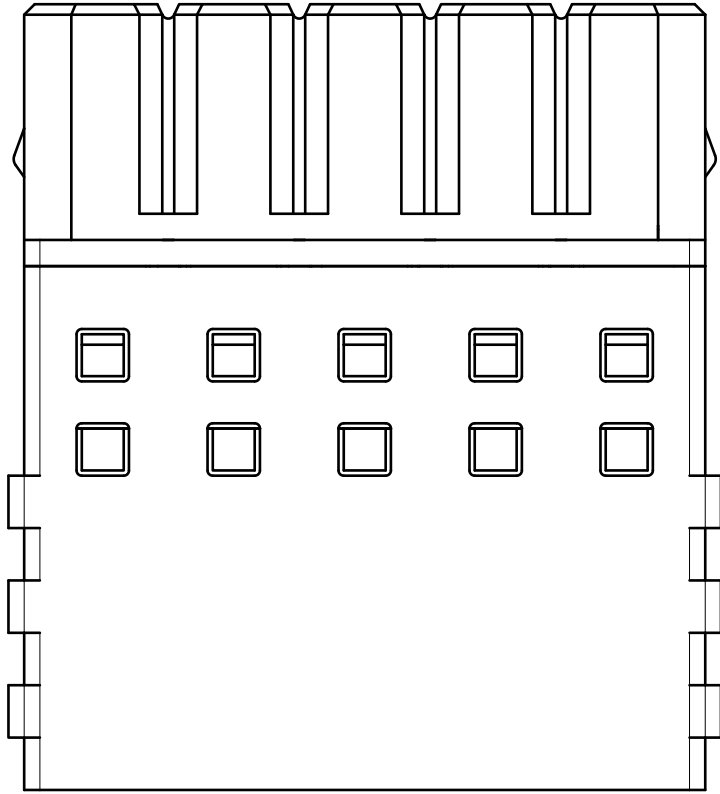
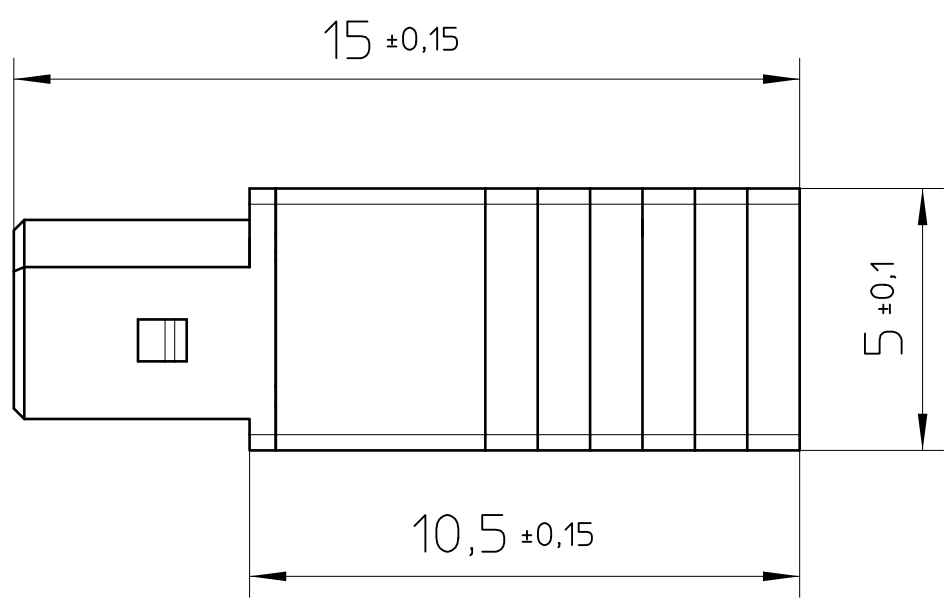
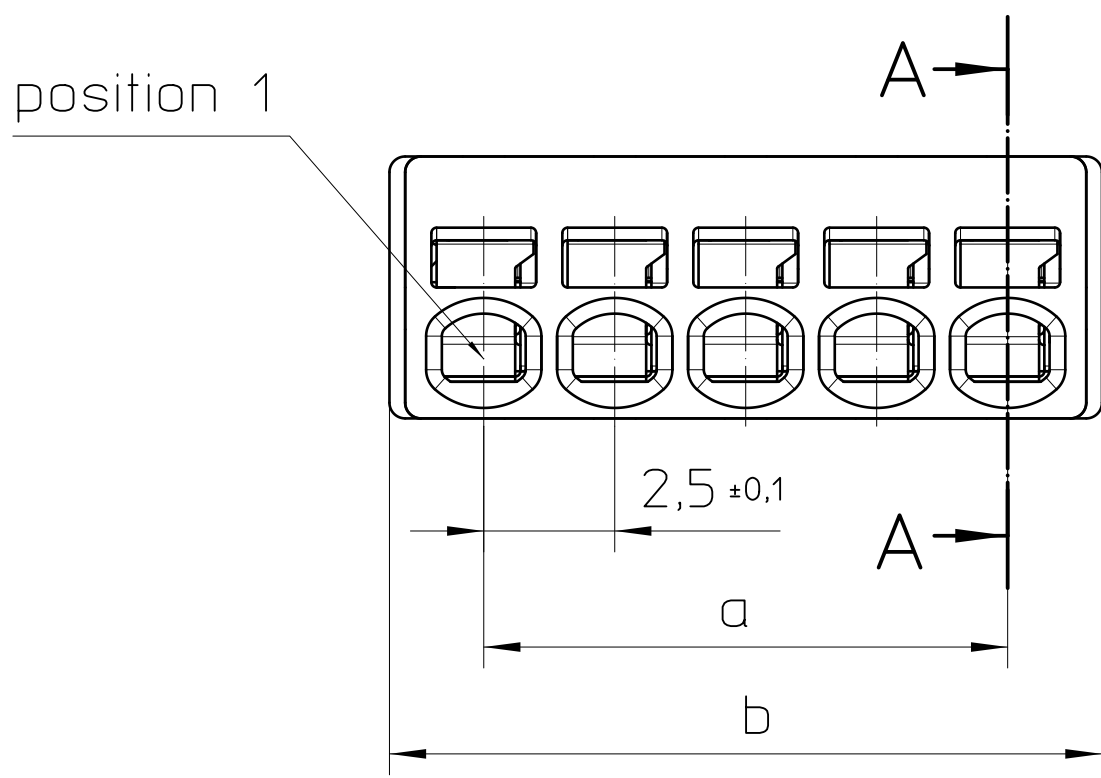
pos.	dim. a	dim. w
2	2,50	6,70 ±0,15
3	5,00	9,20 ±0,15
4	7,50	11,70 ±0,15
5	10,00	14,20 ±0,15
6	12,50	16,70 ±0,15
7	15,00	19,20 ±0,20
8	17,50	21,70 ±0,20

 DIN A3		document-No. / RI 01377541 / 00	date 16.07.2021	scale 5:1	- Simplified representation - Document excluded from change process - Linear dimensions [mm] - EN ISO 291 23/50
		document-type TECDOC 2D_Productdrawing			
		description BC 107,6-KIT-RPI+PCB			
page 5	of 10				

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123456



pos.	dim. a	dim. b
2	2,50 ±0,10	6,10 ±0,15
3	5,00 ±0,10	8,60 ±0,15
4	7,50 ±0,15	11,10 ±0,15
5	10,00 ±0,15	13,60 ±0,15
6	12,50 ±0,15	16,10 ±0,15
7	15,00 ±0,15	18,60 ±0,20
8	17,50 ±0,15	21,10 ±0,20

A

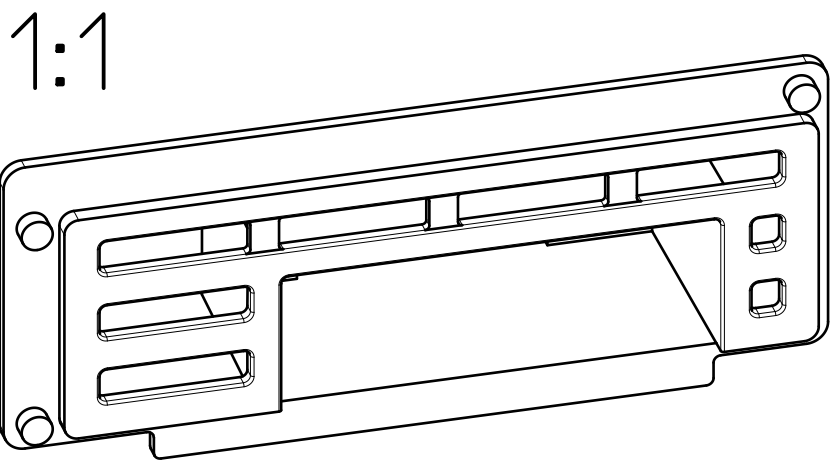
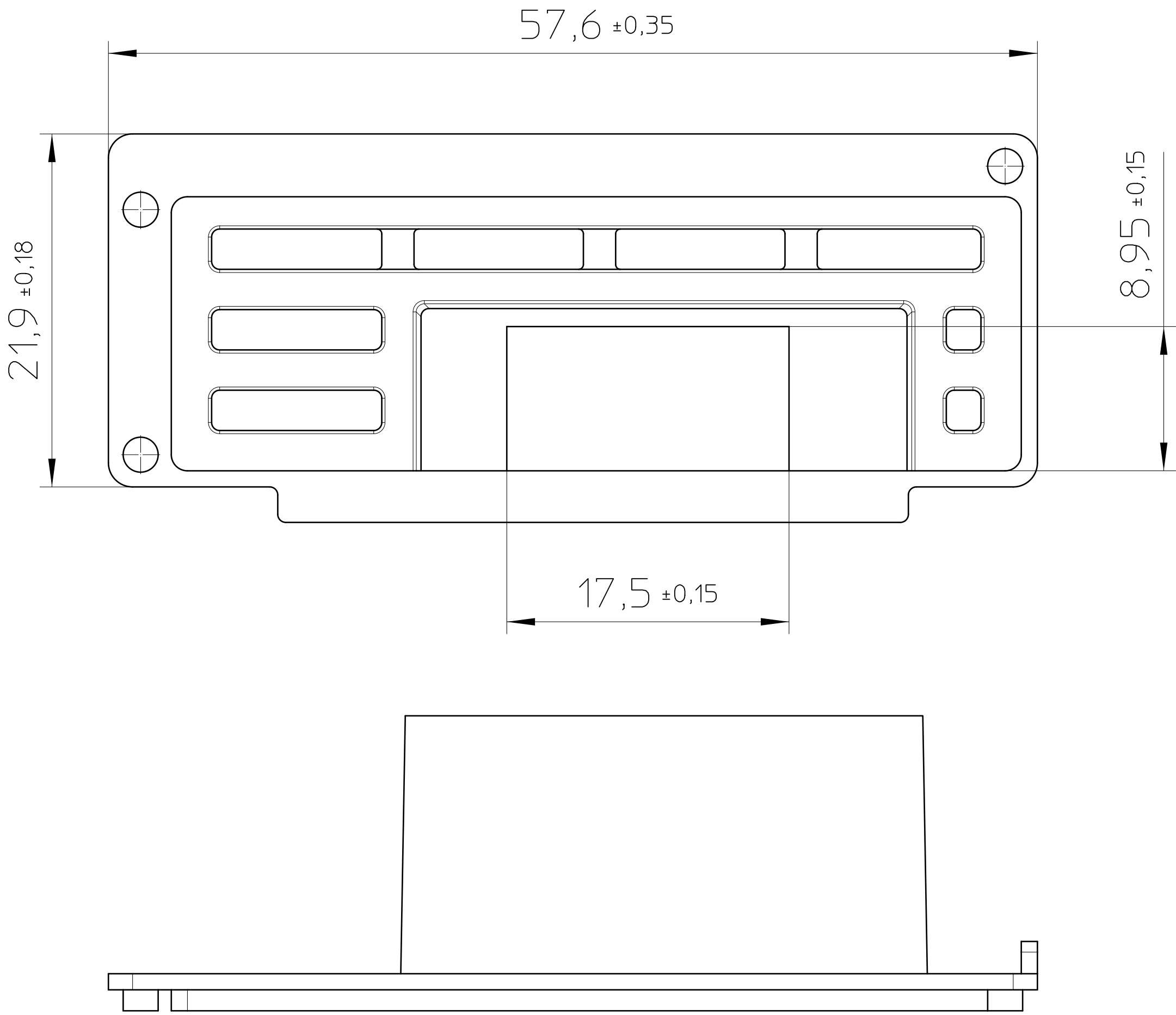
B

C

D

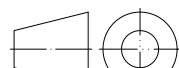
E

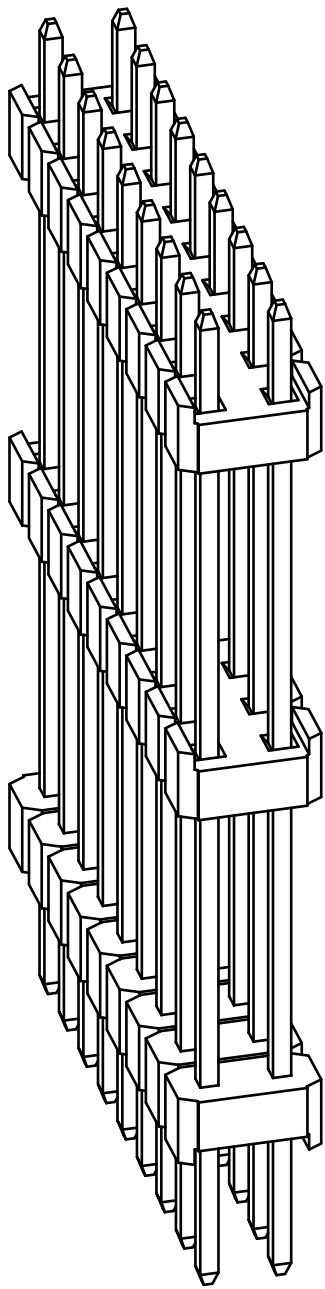
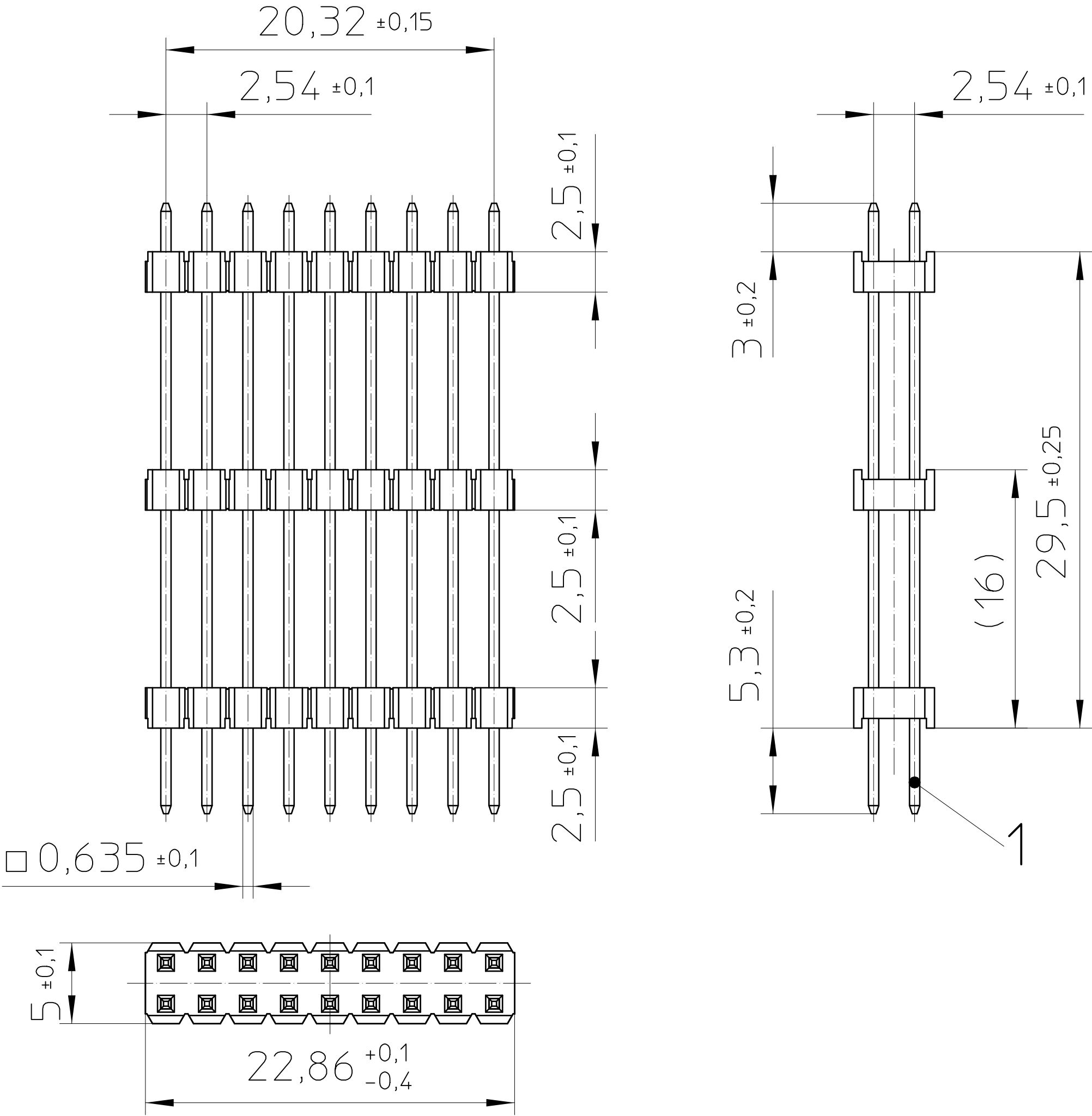
123456



General information:

- Simplified representation
- Document excluded from change process
- Linear dimensions [mm]
- Tolerances apply in a normale climate according to DIN 50014-23/50-2
- Further information:
www.phoenixcontact.com webcode: #0664

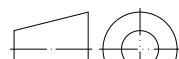
 DIN A4		document-No. / RI 01377541 / 00	date 16.07.2021	scale 2:1
		ident.-No. 1107460	document-type TECDOC 2D_Productdrawing	
		description RPI-BC 107,6 EXT DEV-KIT KMGY		
page 7	of 10			



- General Information
- Simplified representation
 - Document excluded from change process
 - Linear dimensions [mm]
 - Tolerances apply in a normal climate according to DIN EN ISO 291-23/50-2
 - Further information: www.phoenixcontact.com webcode: #0664
 - Recommended application RPI-BC Housing series: bus connector
 - Recommended PCB hole dimension: $\varnothing 1,02$

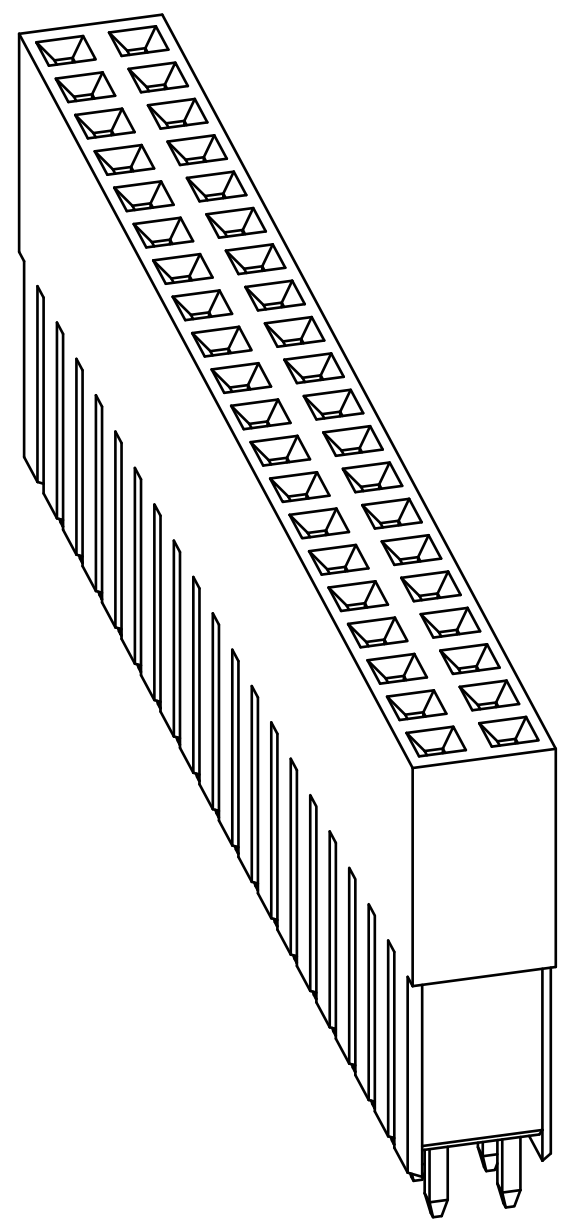
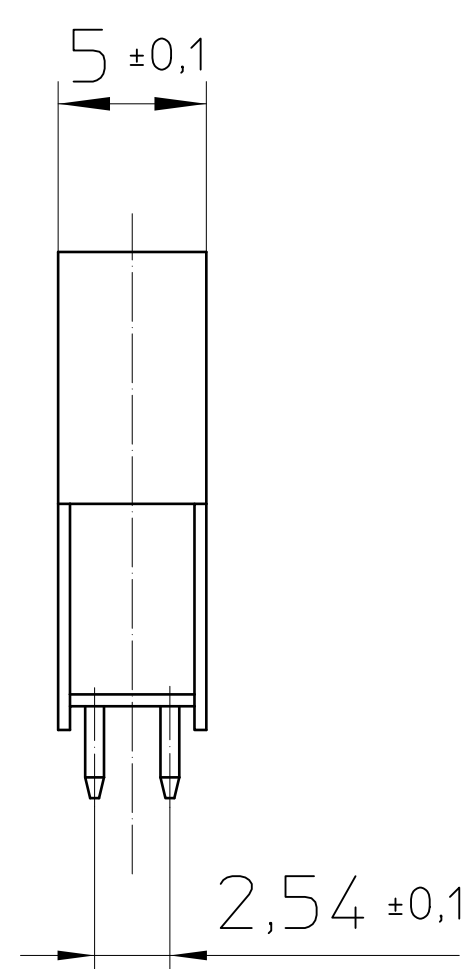
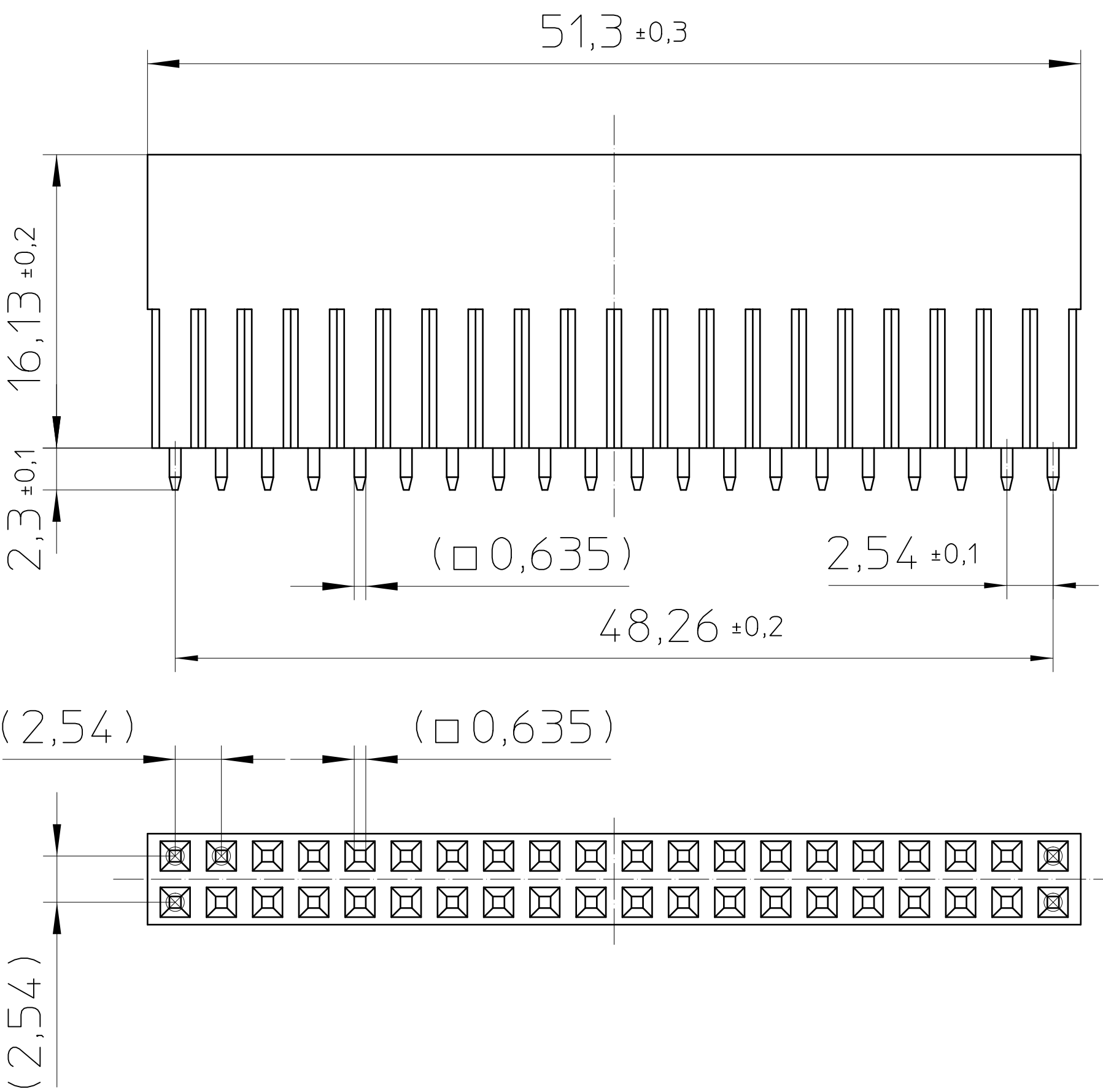
1) contact side

Insulator Material	PA6T with 30% GF (UL94 V-0)
Contact Material	Copper Alloy
Plating	Full Gold flash plated
Insulation Resistance	5000 MOhm min.
Contact Resistance	<20 mOhm
Current Rating	3.0A
Dielectric Withstanding	500V AC
Temperature Range	-40°C ... +125°C
RoHS compliant	

 DIN A4		document-No. / RI 01377541 / 00	date 16.07.2021	scale 2:1
		ident.-No. 1107460	document-type TECDOC 2D_Productdrawing	
		description RPI-BC 107,6 EXT DEV-KIT KMGY		
page 8	of 10			

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Insulator Material	Thermoplastic (UL94 V-0)
Contact Material	Copper Alloy
Plating (XX)	Gold flash plated over Nickel
Insulation Resistance	>1000 MOhm
Contact Resistance	<20 mOhm
Current Rating	3.0A
Voltage Rating	250V AC
Dielectric Withstanding	500V AC
Temperature Range	-40°C ... +105°C

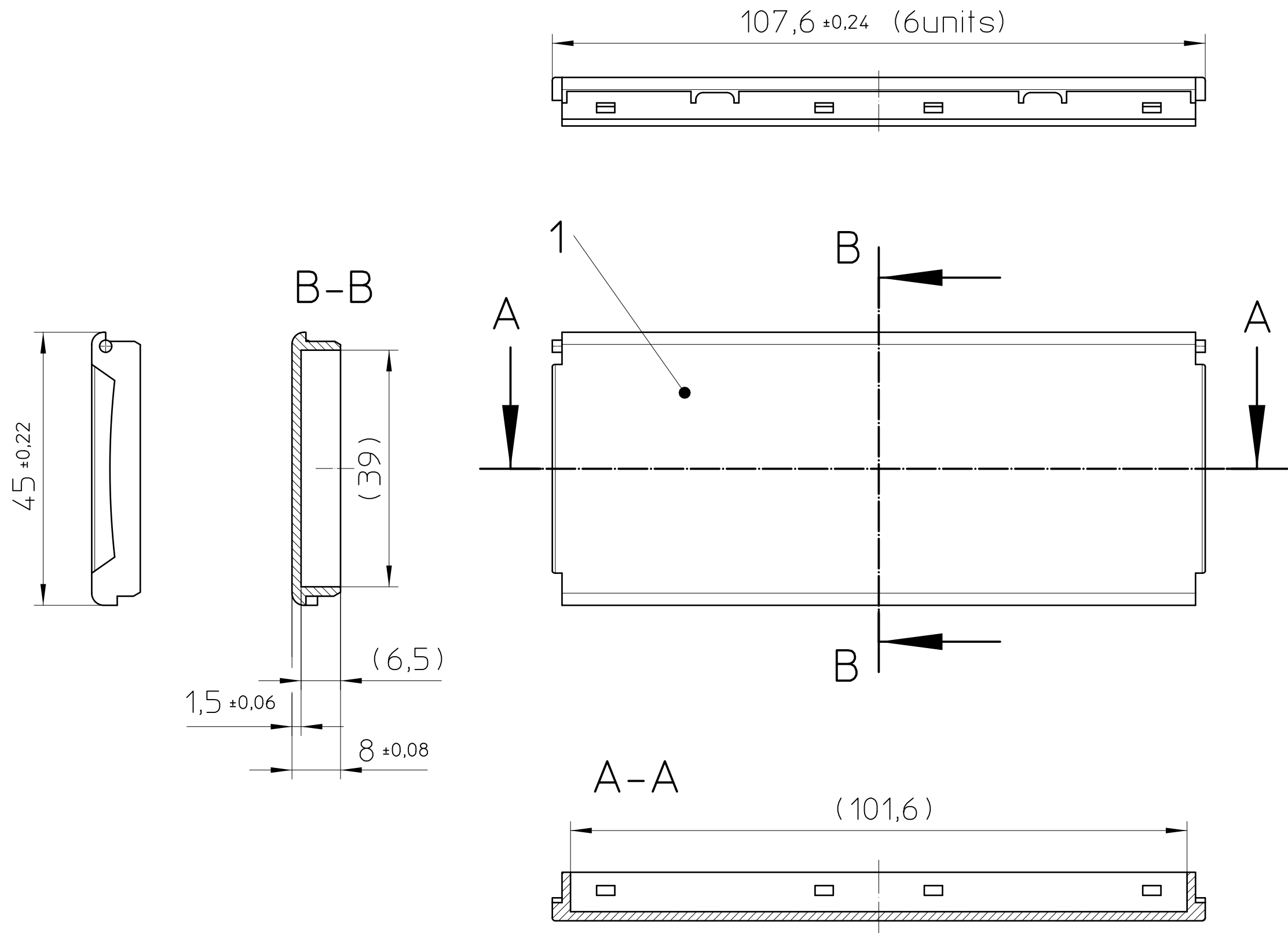
- General Information
- Simplified representation
 - Document excluded from change process
 - Linear dimensions [mm]
 - Further information: www.phoenixcontact.com webcode: #0664
 - Recommended application RPI-BC Housing series
 - Recommended PCB hole dimension: $\varnothing 1 +0,1/-0,05$

  DIN A4		document-No. / RI 01377541 / 00		date 16.07.2021	scale 2:1
		ident.-No. 1107460	document-type TECDOC 2D_Productdrawing		
		description RPI-BC 107,6 EXT DEV-KIT KMGY			
page 9	of 10				

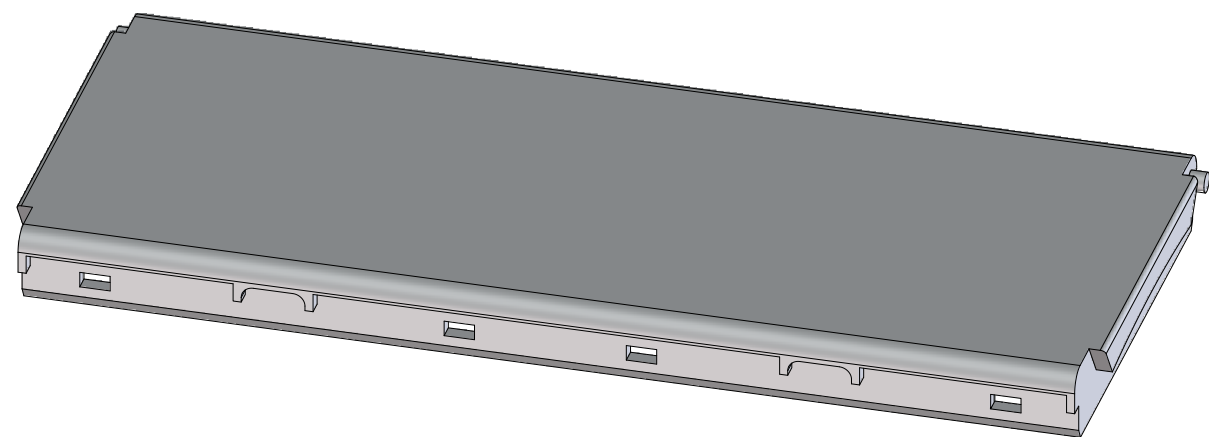
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COVER

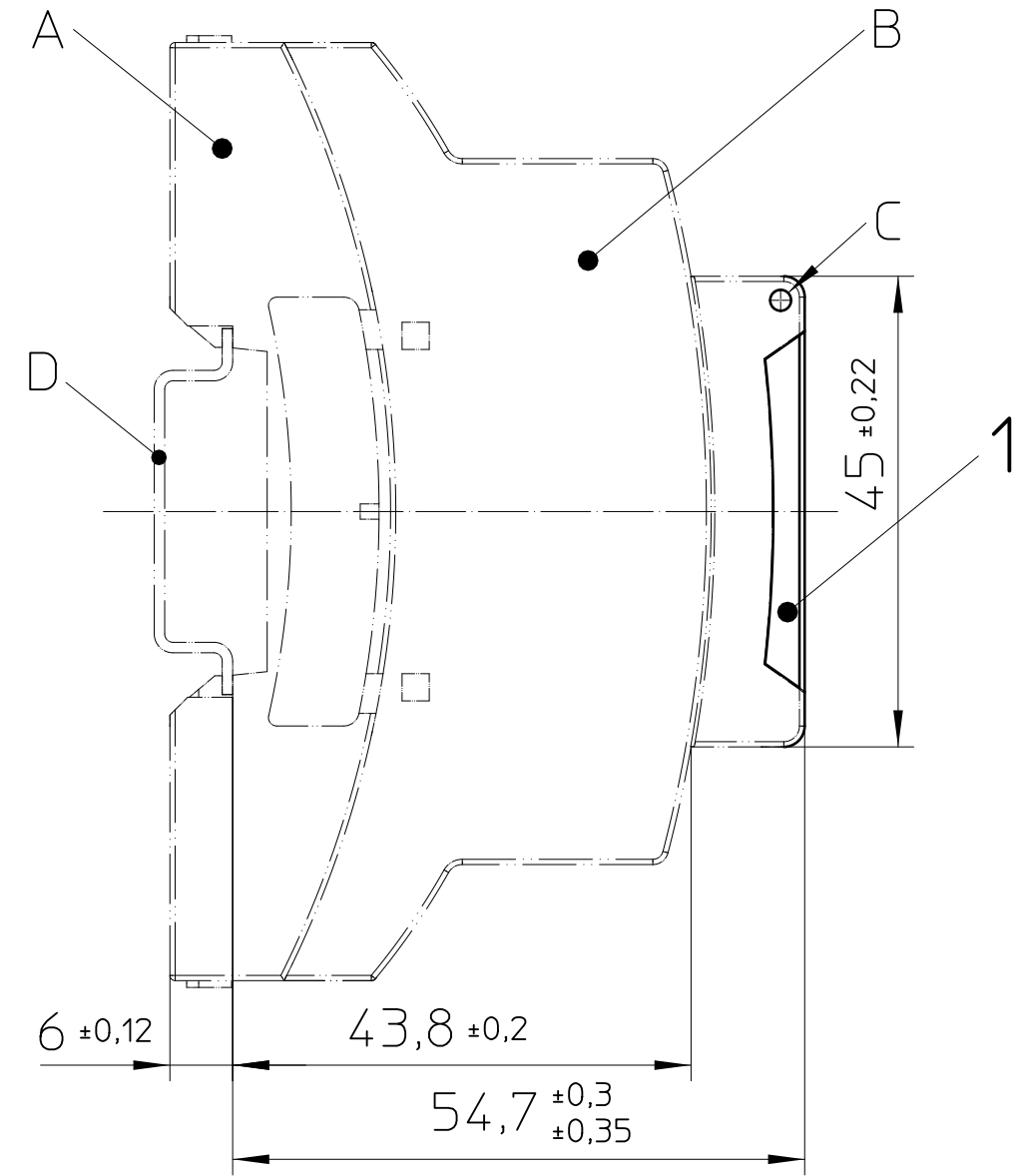


height
width
depth



Assembly example

Overall dimensions complaint DIN 43880

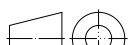


General Information

- Simplified representation, exemplary shown in gray
- Document excluded from change process
- Linear dimensions [mm]
- Tolerances apply in a normale climate according to DIN EN ISO 291-23/50-2.
- Further information:
www.phoenixcontact.com webcode: #0311

Additional Information:

- A. Housing lower part BC 107,6 UT HBUS...
- B. Housing upper part BC 107,6 OT...
- C. pivot point
- D. Mounting rail like EN 60715: TH 35-7,5 or mounting rail TH 35-15x1,5 similar to EN 60715

Pos.	QTY	Description	Material			
1	1	COVER	PC			
 DIN A3		document-No. / RI 01377541 / 00	date 16.07.2021	scale 1:1		
		ident.-No. 1107460	document-type TECDOC 2D_Productdrawing			
		description RPI-BC 107,6 EXT DEV-KIT KMGY				
		page 10 of 10				