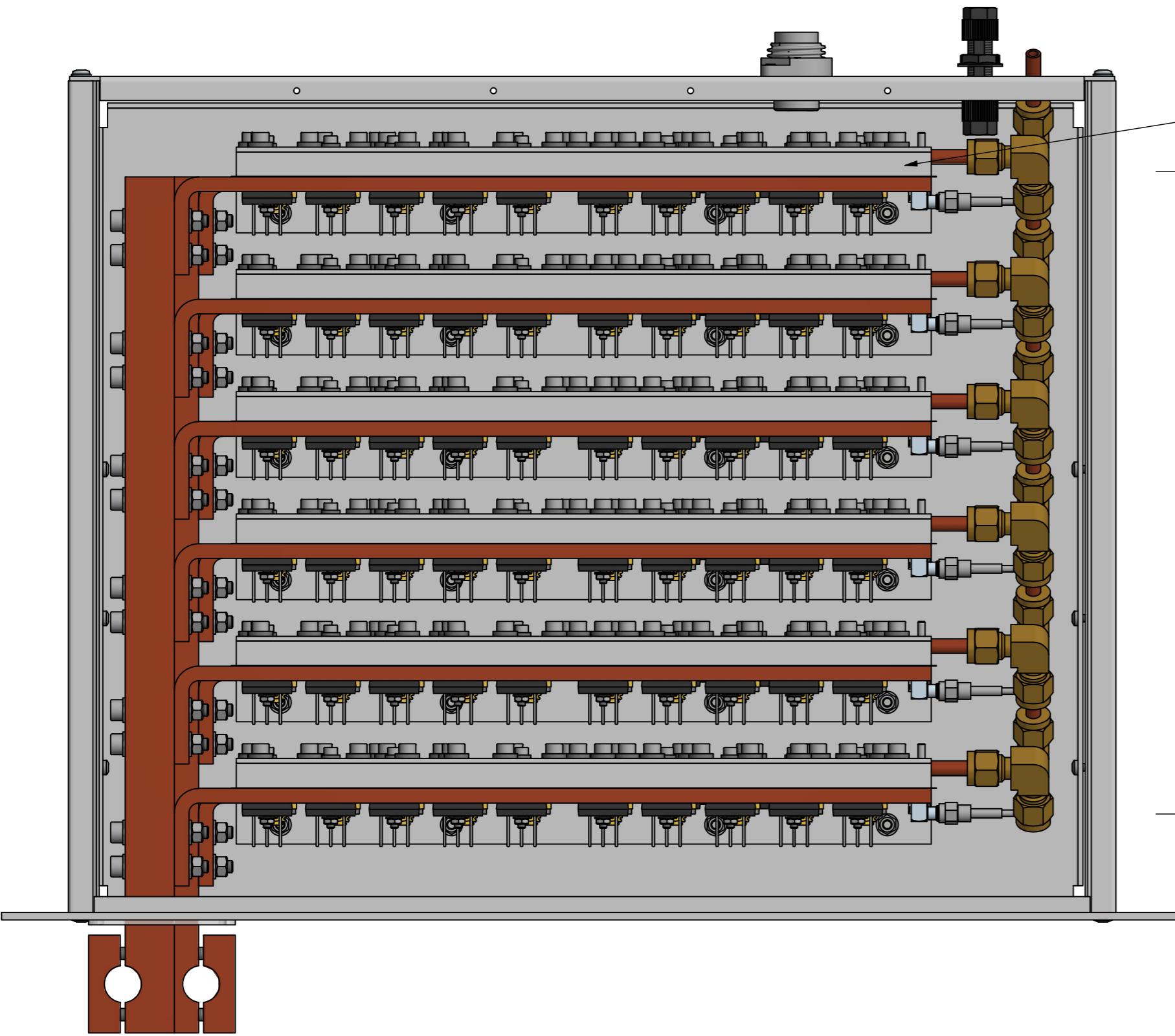
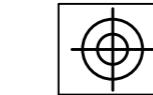
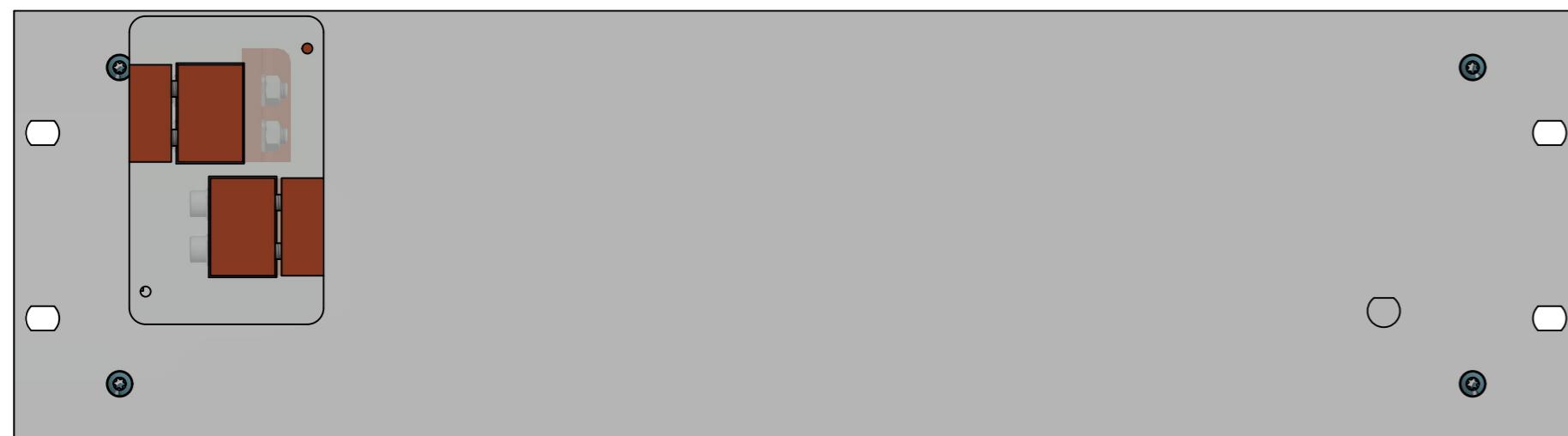
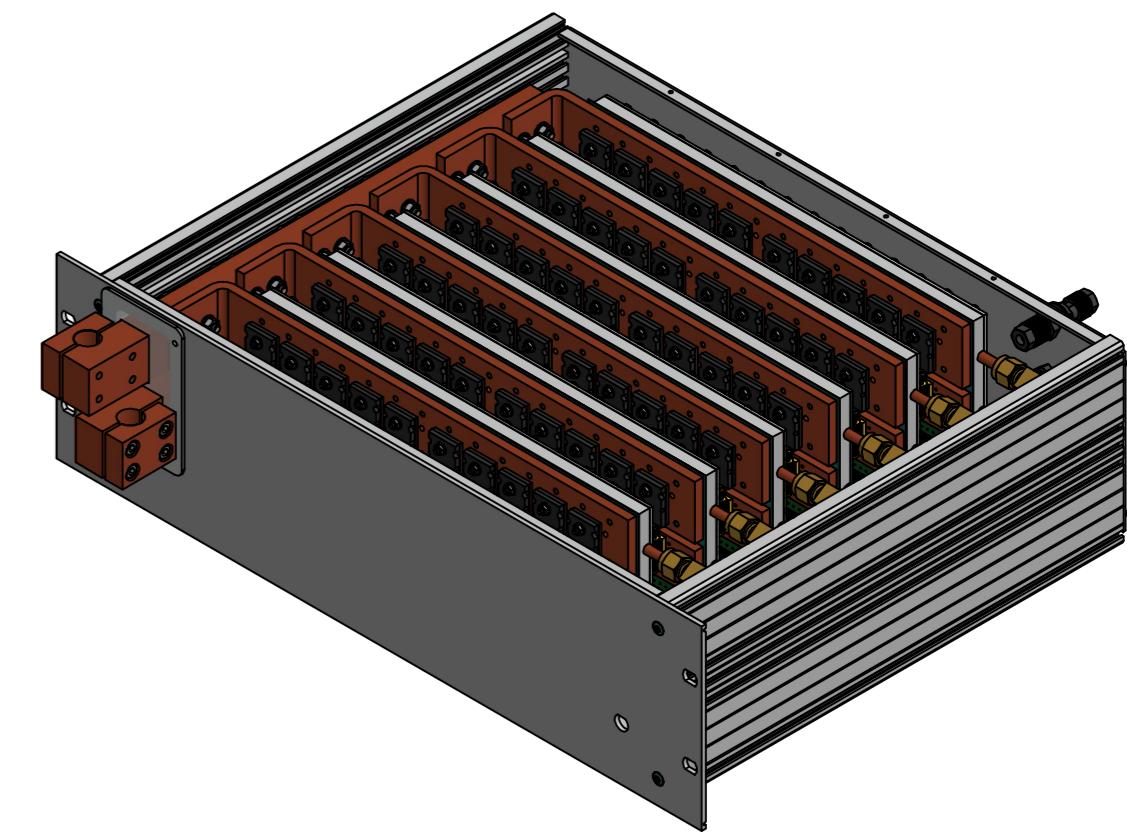


	ROUGHNESS ACCORDING NEN 3634	DIMENSION TOLERANCE ACCORDING ISO 2768-1H SHAPE AND PLACES TOLERANCES ACCORDING ISO 1101	This document is property of University of Amsterdam it shall not be communicated to third parties and/or copied without prior consent of the author. And no disclosure shall be made of its content.		
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	Universiteit van Amsterdam Technologiecentrum Faculteit der Natuurwetenschappen, Wiskunde en Informatica	17-0028-0032 -			
		Status CNC	Edition A.1	Sheet 1 / 16	



single FET bank

FET bank array



ROUGHNESS
ACCORDING ISO 2768-1H
NEN 3634

DIMENSION TOLERANCE
ACCORDING ISO 2768-1H
SHAPE AND PLACES TOLERANCES
ACCORDING ISO 1101

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Daan Giesen

Projectnaam: Digital PID Loop
Opdrachtgever: Reichsöllner, Lukas

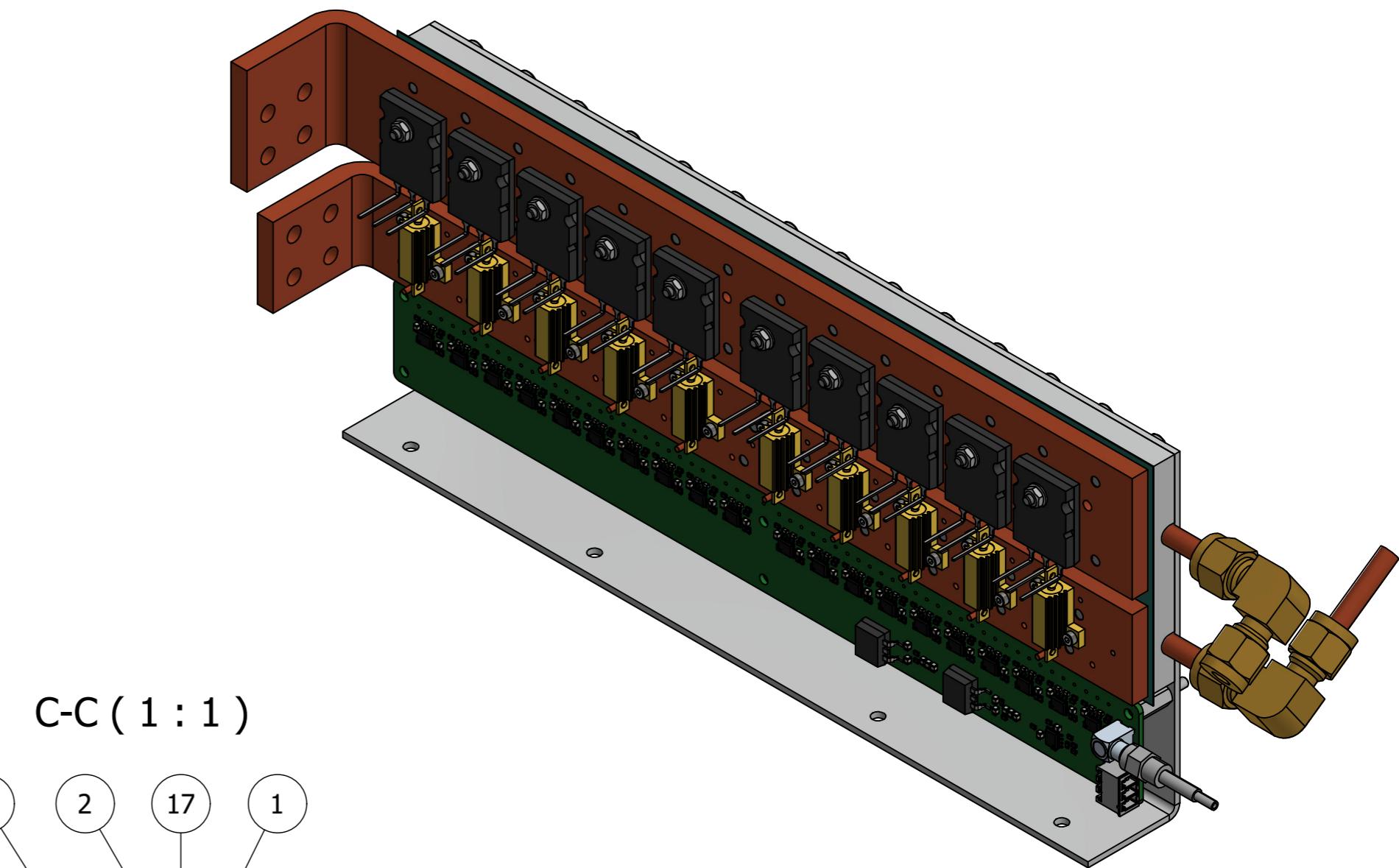
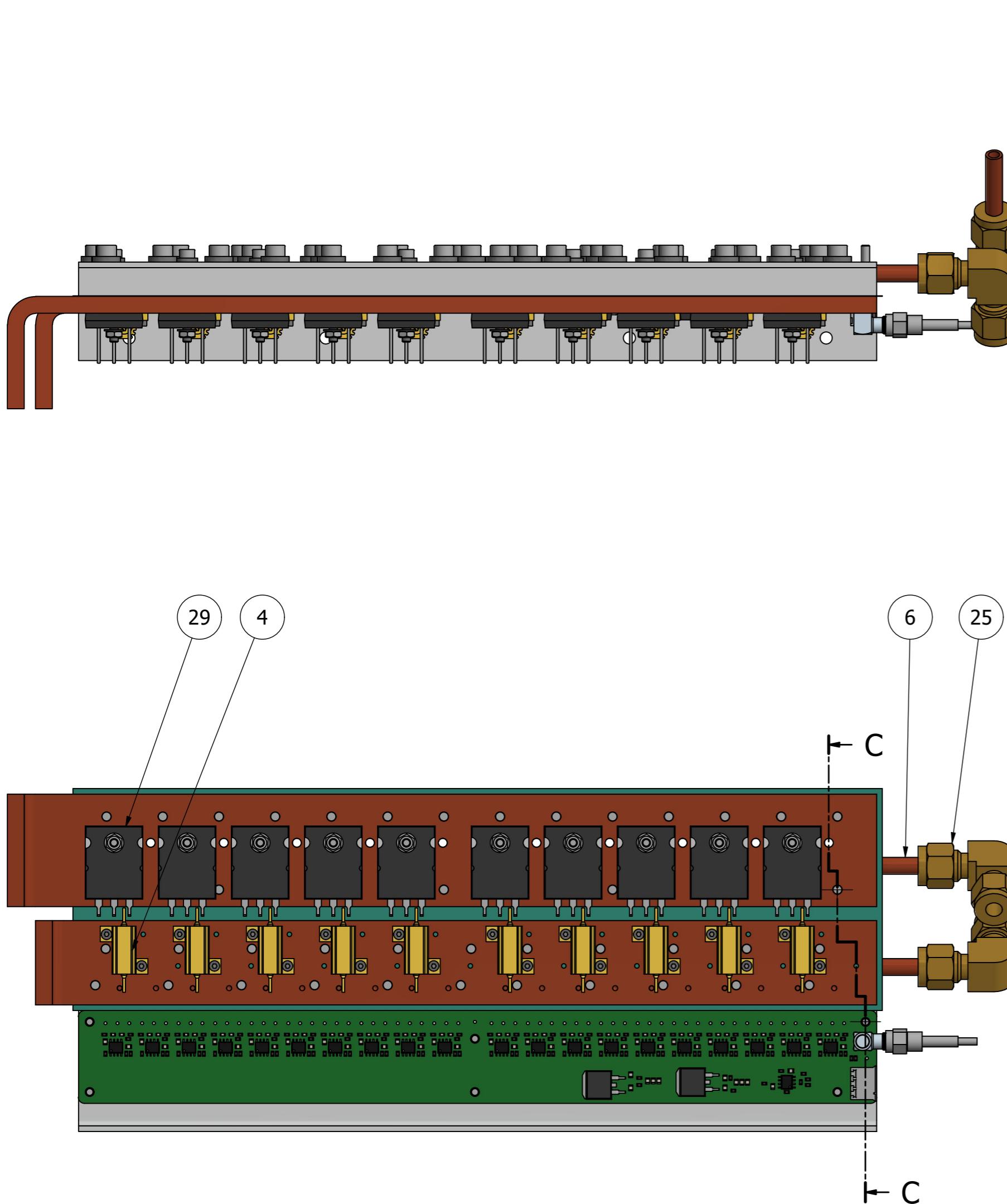
Instituut: IOP

Date 14-11-2017 Size A2

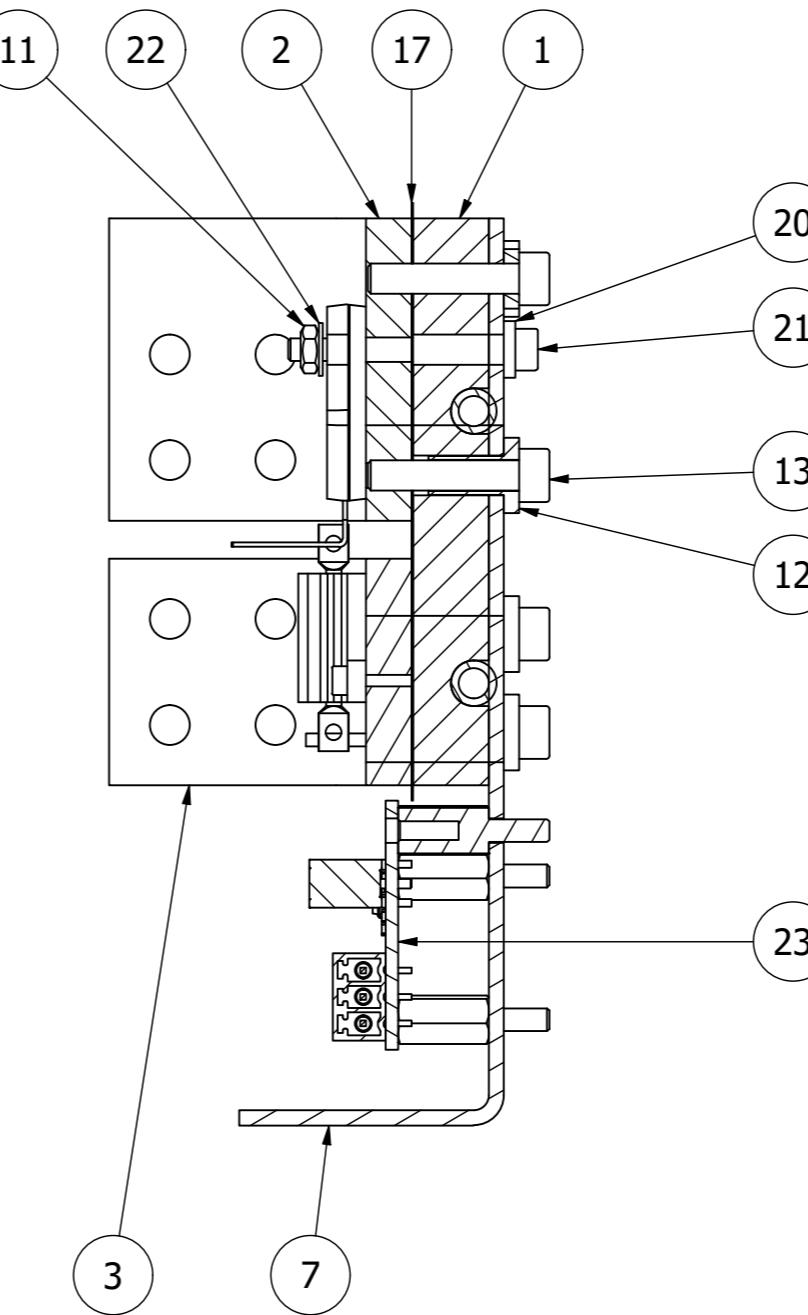


Universiteit van Amsterdam
Technologiecentrum
Faculteit der Natuurwetenschappen, Wiskunde en Informatica

17-0028-0020 - FET bank array
Status CNC
Edition A.1 Sheet 2 / 16

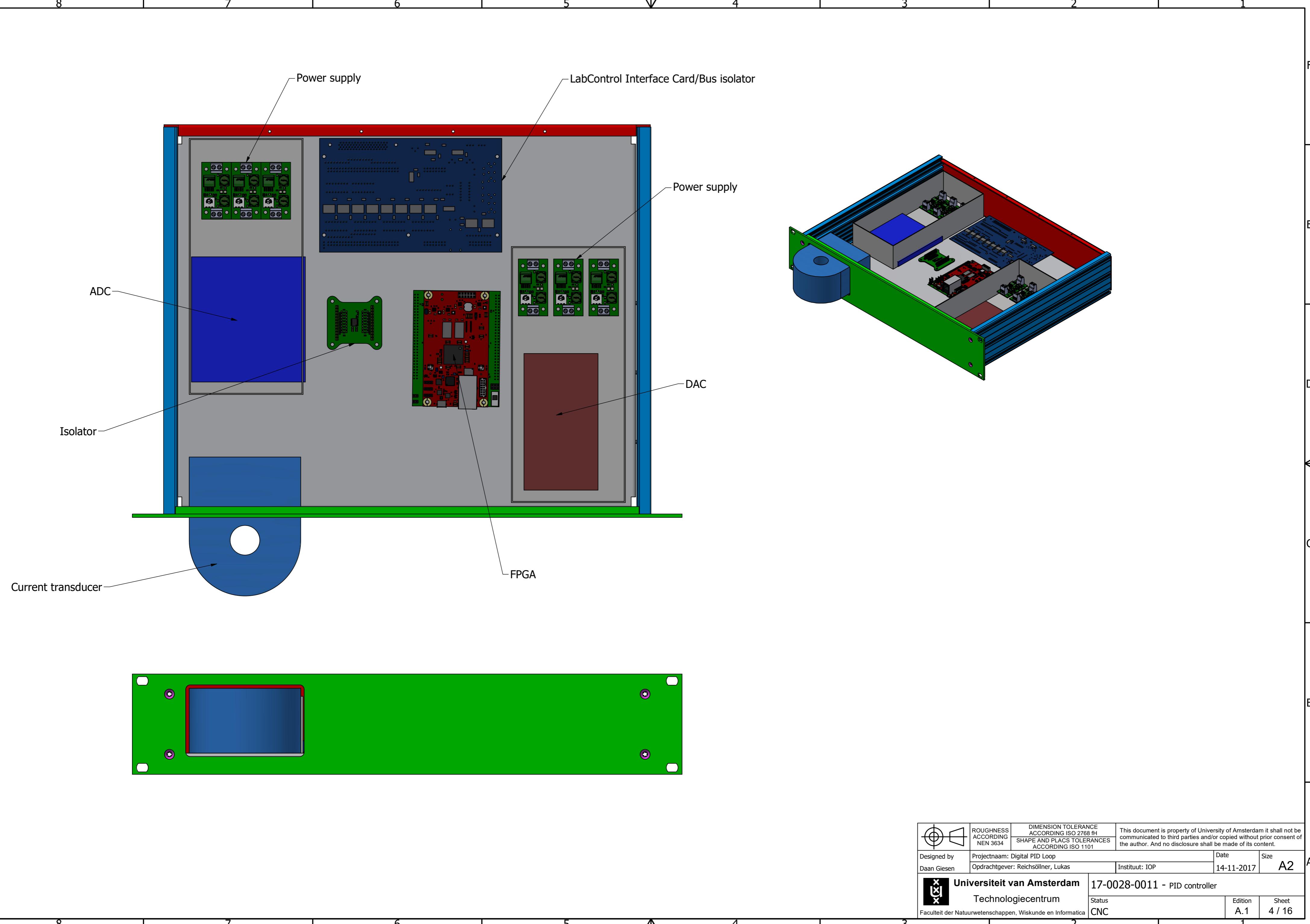


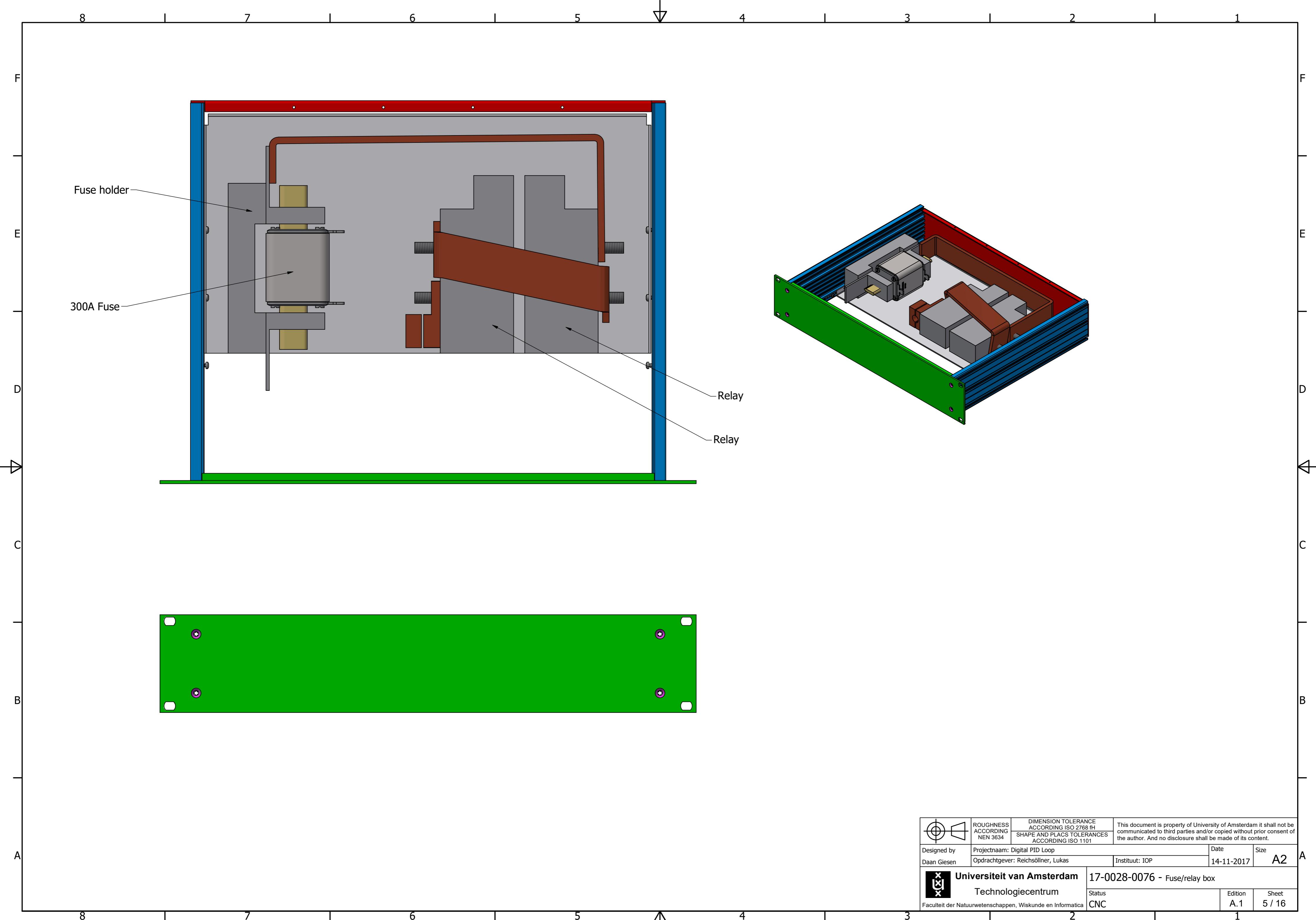
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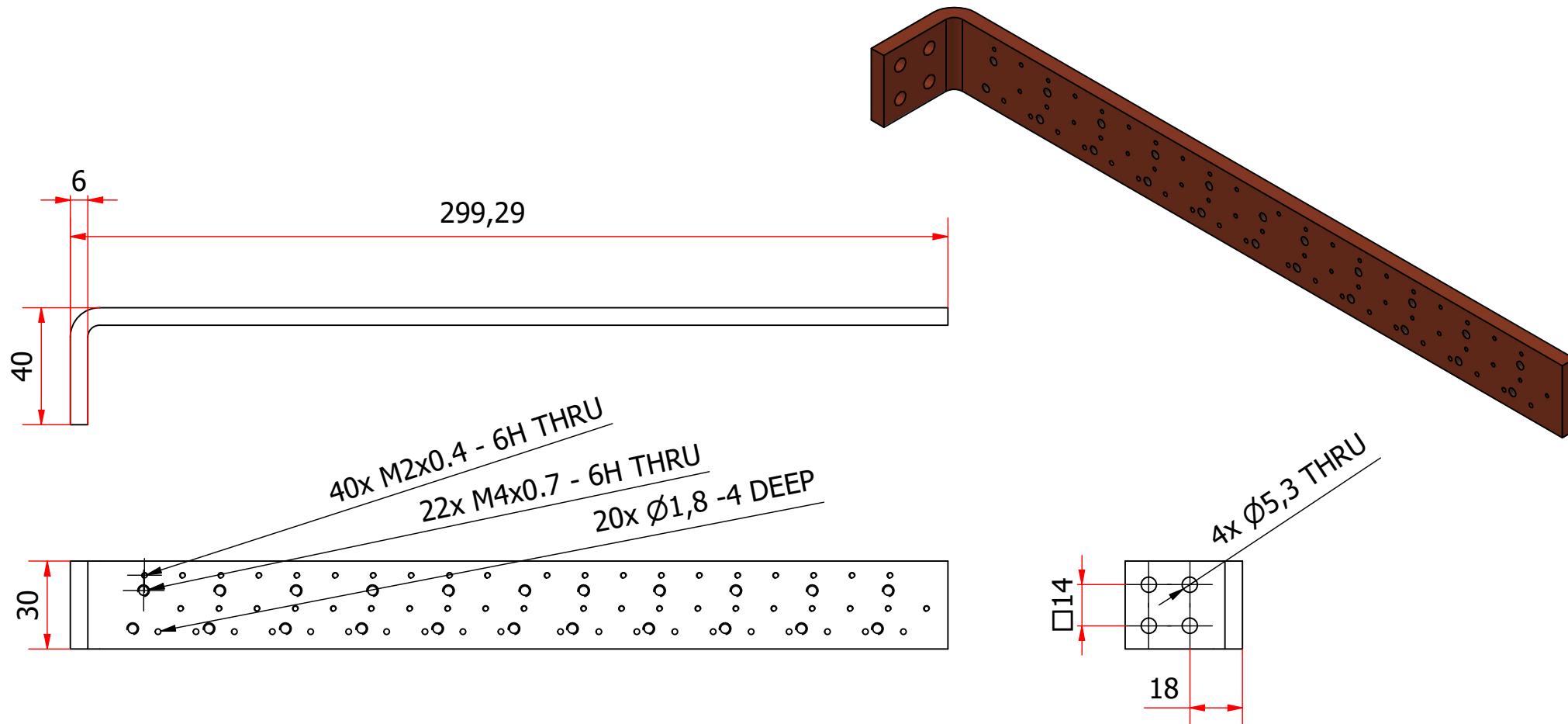


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Assam List			
1	1	17-0028-0016.upt	Heat sink plate
2	1	17-0028-0017.upt	Upper bus bar
3	1	17-0028-0018.upt	Lower bus bar
4	10	hsa510j.upt	Shunt resistor
6	1	17-0028-0022.upt	water cooling tube
7	1	17-0028-0024.upt	single bank frame
11	10	DIN EN ISO 4032 - M3.upt	Hex Nut. Product grades A and B
12	50	17-0028-0026.upt	FJ01.2543.0520
13	50	DIN EN ISO 4762 - M4 x 20.upt	Hexagon Socket Head Cap Screw
17	1	17-0028-0027.upt	Insulating layer
20	10	17-0028-0031.upt	FJ01.1543.0390
21	10	DIN EN ISO 4762 - M3 x 30.upt	Hexagon Socket Head Cap Screw
22	10	DIN EN ISO 7089 - 3.upt	Plain washers - Normal series - Product grade A
23	1	17-0028-0096.iam	Circuit board (control electronics)
25	2	B-6M0-9-SwagelokCompany-12-13-2017.upt	Water cooling connection
26	1	17-0028-0104.upt	Cooling tube
27	10	17-0028-0105.upt	Solder connection
28	20	DIN EN ISO 4762 - M2 x 6.upt	Hexagon Socket Head Cap Screw
29	10	17-0028-0118.upt	FET

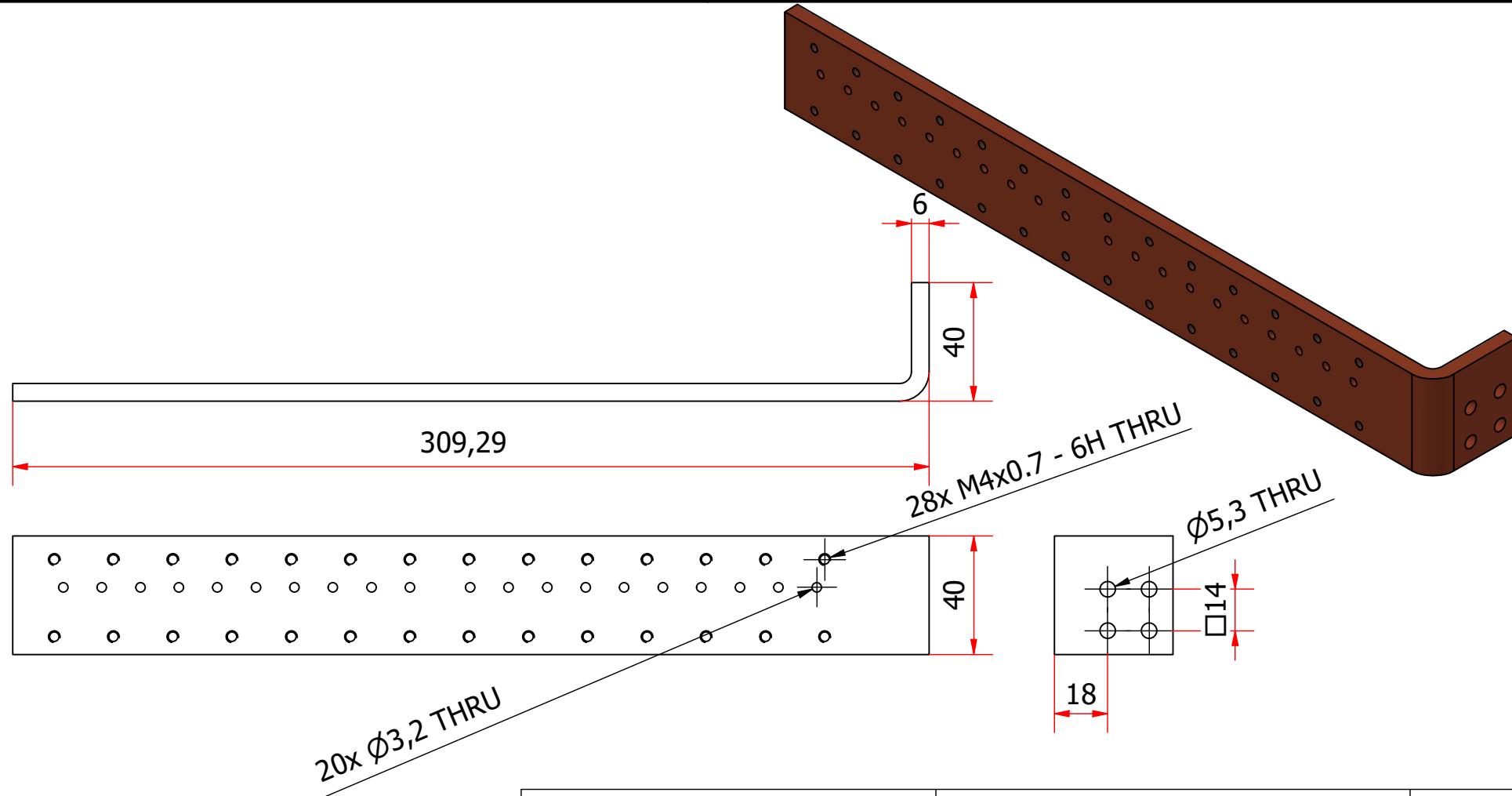
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ROUGHNESS ACCORDING NEN 3634	DIMENSION TOLERANCE ACCORDING ISO 2768-1H	SHAPE AND PLACES TOLERANCES ACCORDING ISO 1101	
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	Instituut: IOP		
	Universiteit van Amsterdam Technologiecentrum Faculteit der Natuurwetenschappen, Wiskunde en Informatica	17-0028-0019 - Single FET bank	
		Status CNC	Edition A.1
			Sheet 3 / 16



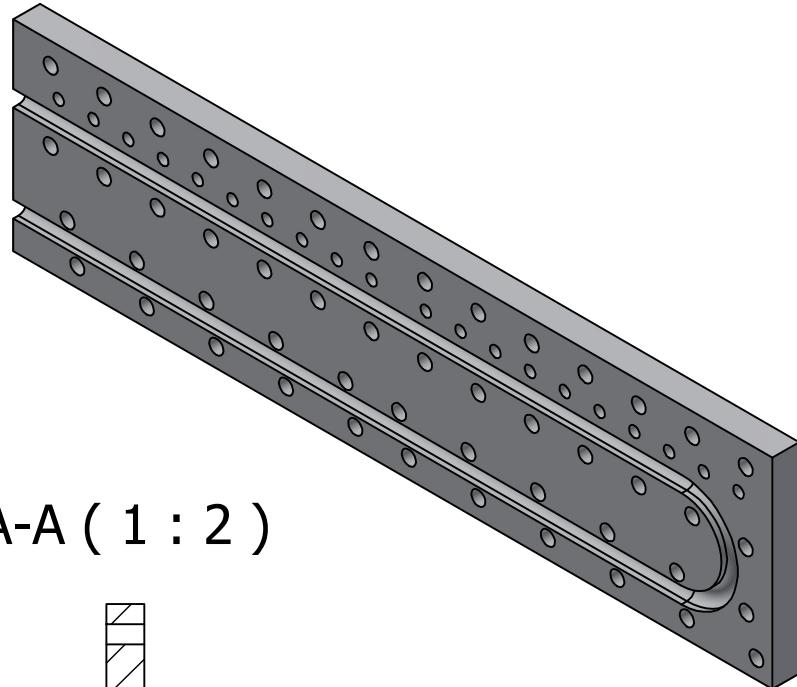
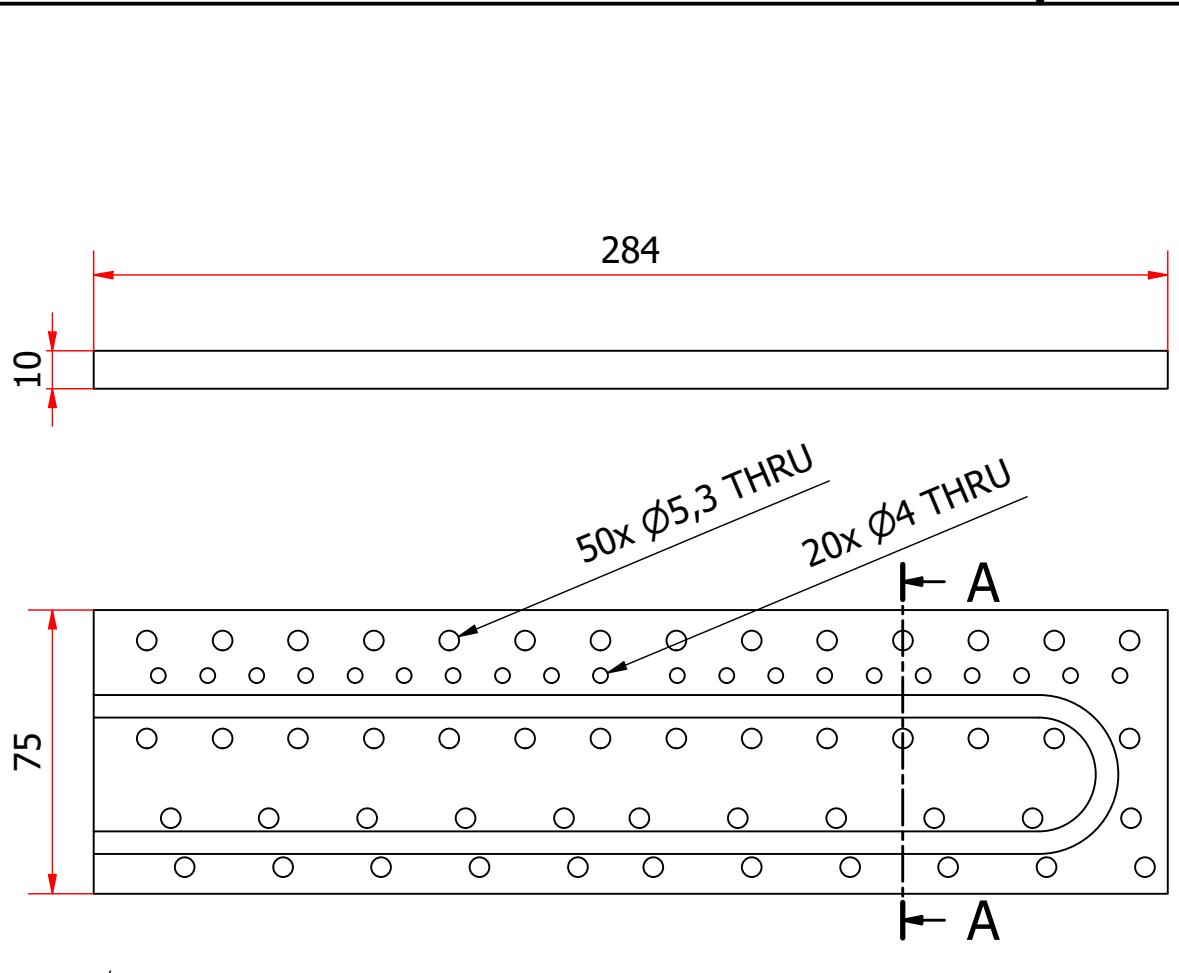




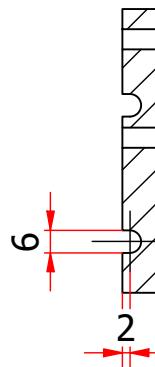
	ROUGHNESS ACCORDING NEN 3634	DIMENSION TOLERANCE ACCORDING ISO 2768 fH SHAPE AND PLACES TOLERANCES ACCORDING ISO 1101	This document is property of University of Amsterdam it shall not be communicated to third parties and/or copied without prior consent of the author. And no disclosure shall be made of its content.		
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 Universiteit van Amsterdam Technologiecentrum Faculteit der Natuurwetenschappen, Wiskunde en Informatica			17-0028-0018 - Lower bus bar		
Status CNC			Edition A.1	Sheet 6 / 16	



Copper			704,36
MATERIAL	SUBJECT		MASS
Parts List			
	ROUGHNESS ACCORDING NEN 3634	DIMENSION TOLERANCE ACCORDING ISO 2768 fH SHAPE AND PLACES TOLERANCES ACCORDING ISO 1101	This document is property of University of Amsterdam it shall not be communicated to third parties and/or copied without prior consent of the author. And no disclosure shall be made of its content.
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	Universiteit van Amsterdam Technologiecentrum Faculteit der Natuurwetenschappen, Wiskunde en Informatica	17-0028-0017 - Upper bus bar	Status CNC
			Edition A.1
			Sheet 7 / 16

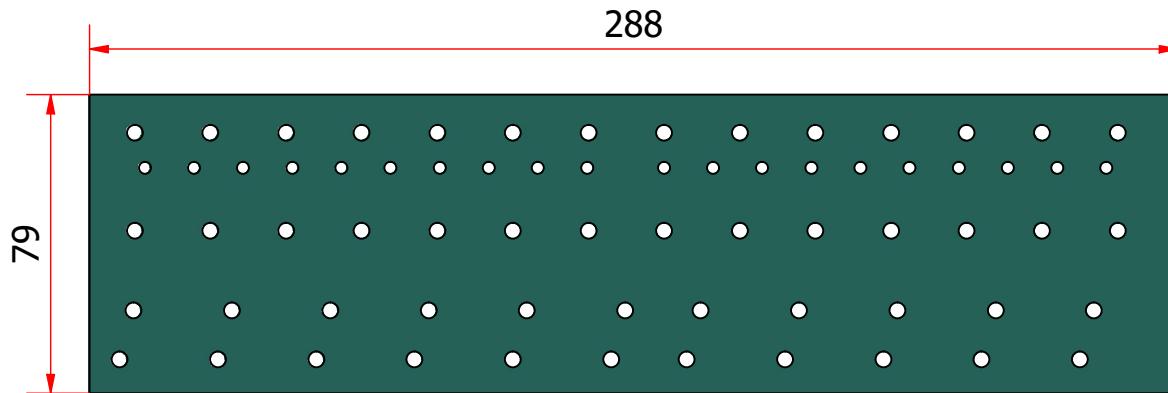


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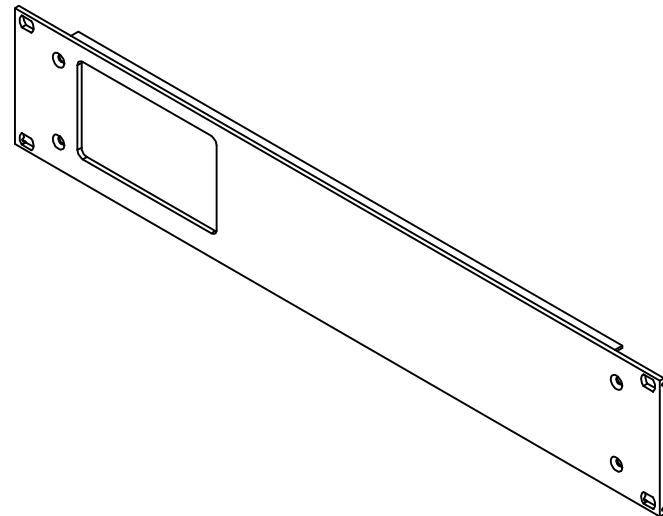
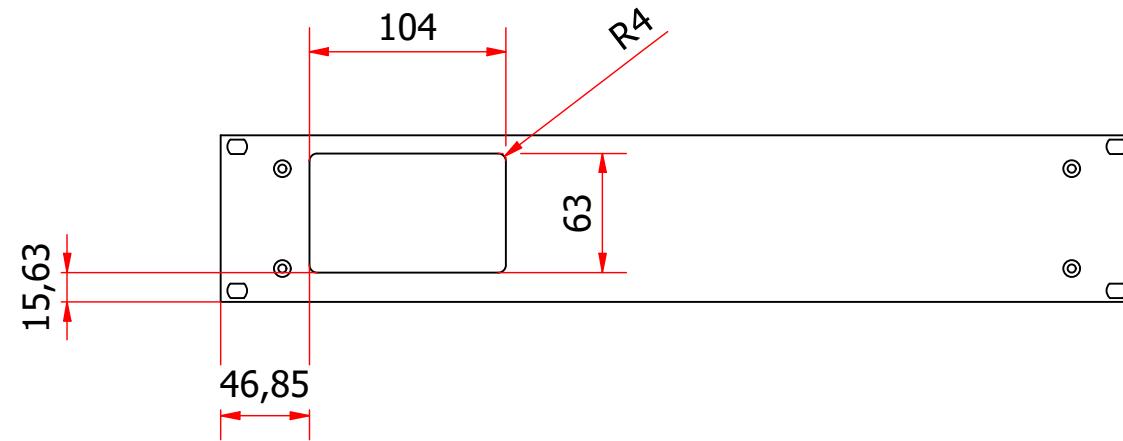


Aluminum-6061		501,1	
MATERIAL	SUBJECT	MASS	
Parts List			
	ROUGHNESS ACCORDING NEN 3634	DIMENSION TOLERANCE ACCORDING ISO 2768 fH SHAPE AND PLACS TOLERANCES ACCORDING ISO 1101	This document is property of University of Amsterdam it shall not be communicated to third parties and/or copied without prior consent of the author. And no disclosure shall be made of its content.
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 Universiteit van Amsterdam Technologiecentrum	17-0028-0016 - Heat sink plate		
Faculteit der Natuurwetenschappen, Wiskunde en Informatica	Status CNC	Edition A.1	Sheet 8 / 16

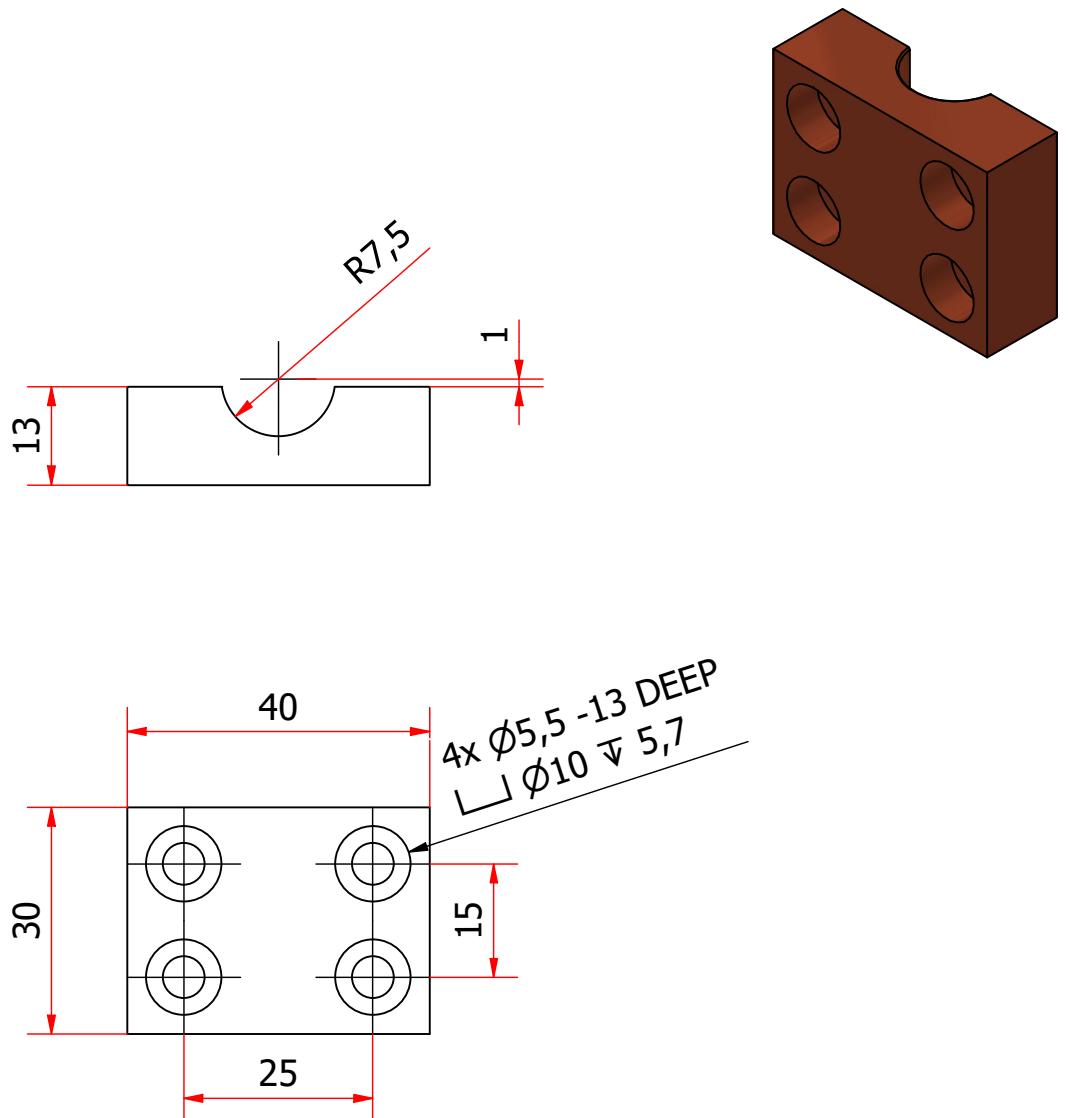
thermally conductive, electrically insulating



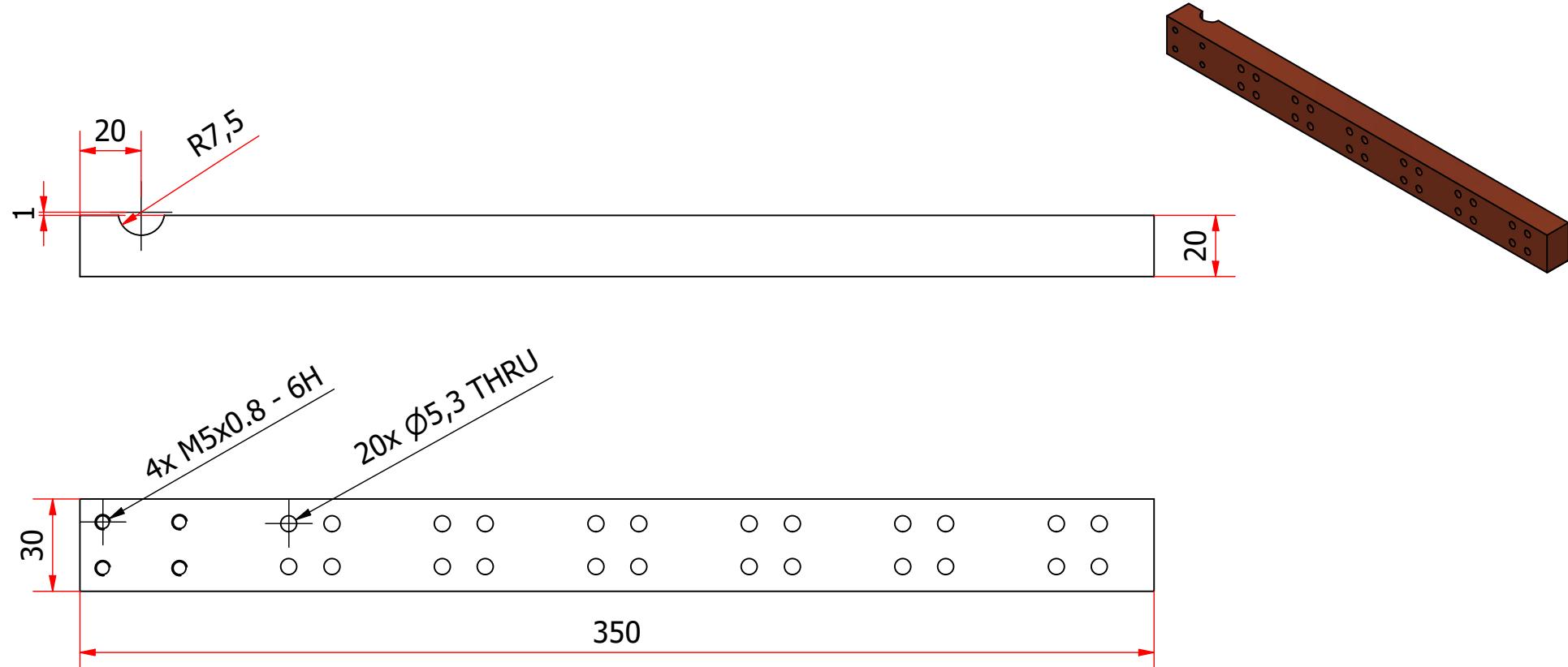
Generic		4,39	
MATERIAL		SUBJECT	
Parts List			
	ROUGHNESS ACCORDING NEN 3634	DIMENSION TOLERANCE ACCORDING ISO 2768 fH SHAPE AND PLACES TOLERANCES ACCORDING ISO 1101	This document is property of University of Amsterdam it shall not be communicated to third parties and/or copied without prior consent of the author. And no disclosure shall be made of its content.
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	Universiteit van Amsterdam Technologiecentrum Faculteit der Natuurwetenschappen, Wiskunde en Informatica	17-0028-0027 - Insulating layer Status CNC	
		Edition A.1	Sheet 9 / 16



	ROUGHNESS ACCORDING NEN 3634	DIMENSION TOLERANCE ACCORDING ISO 2768 fH SHAPE AND PLACES TOLERANCES ACCORDING ISO 1101	This document is property of University of Amsterdam it shall not be communicated to third parties and/or copied without prior consent of the author. And no disclosure shall be made of its content.		
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	Universiteit van Amsterdam Technologiecentrum Faculteit der Natuurwetenschappen, Wiskunde en Informatica			20860212_5 -	
	Status CNC	Edition A.1	Sheet 10 / 16		

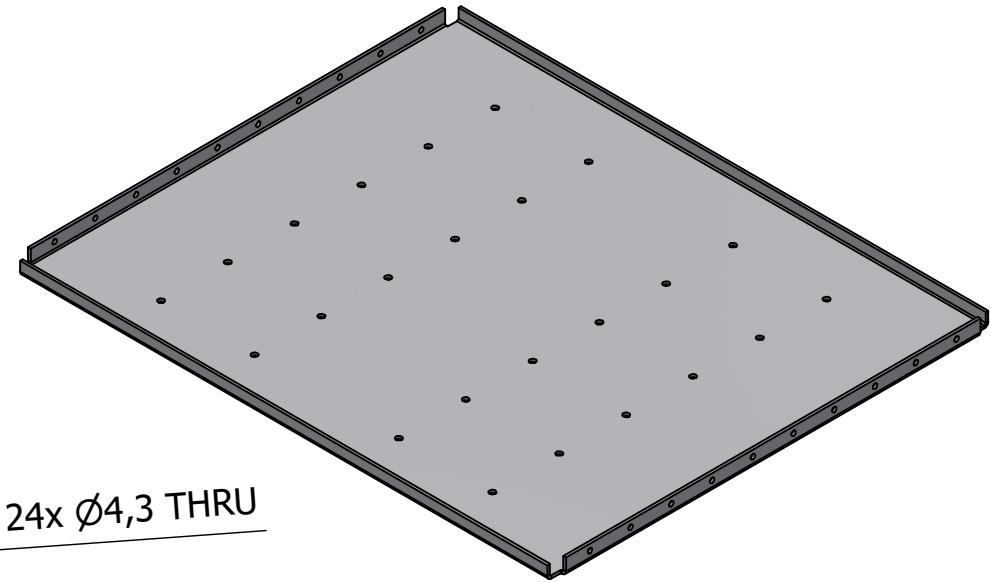
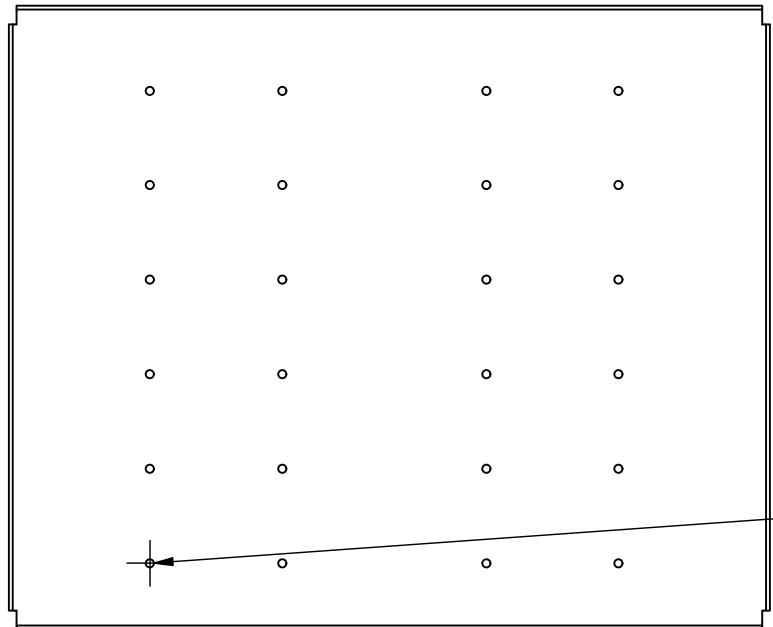


Copper			97,56
MATERIAL		SUBJECT	MASS
Parts List			
	ROUGHNESS ACCORDING NEN 3634	DIMENSION TOLERANCE ACCORDING ISO 2768 f8 SHAPE AND PLACES TOLERANCES ACCORDING ISO 1101	This document is property of University of Amsterdam it shall not be communicated to third parties and/or copied without prior consent of the author. And no disclosure shall be made of its content.
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	Universiteit van Amsterdam Technologiecentrum Faculteit der Natuurwetenschappen, Wiskunde en Informatica	17-0028-0100 - Status CNC	Edition A.1 Sheet 11 / 16

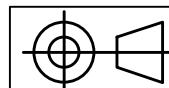


3.2

Copper			
MATERIAL		SUBJECT	
Parts List			
 ROUGHNESS ACCORDING NEN 3634	DIMENSION TOLERANCE ACCORDING ISO 2768 fH SHAPE AND PLACES TOLERANCES ACCORDING ISO 1101	This document is property of University of Amsterdam it shall not be communicated to third parties and/or copied without prior consent of the author. And no disclosure shall be made of its content.	
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Schroff 20860110



ROUGHNESS
ACCORDING
NEN 3634

DIMENSION TOLERANCE
ACCORDING ISO 2768 fH
SHAPE AND PLACES TOLERANCES
ACCORDING ISO 1101

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Daan Giesen

Projectnaam: Digital PID Loop

Date
14-11-2017
Size
A4

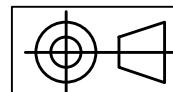
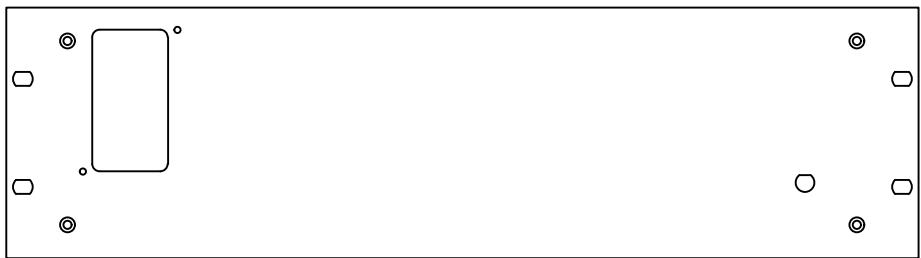
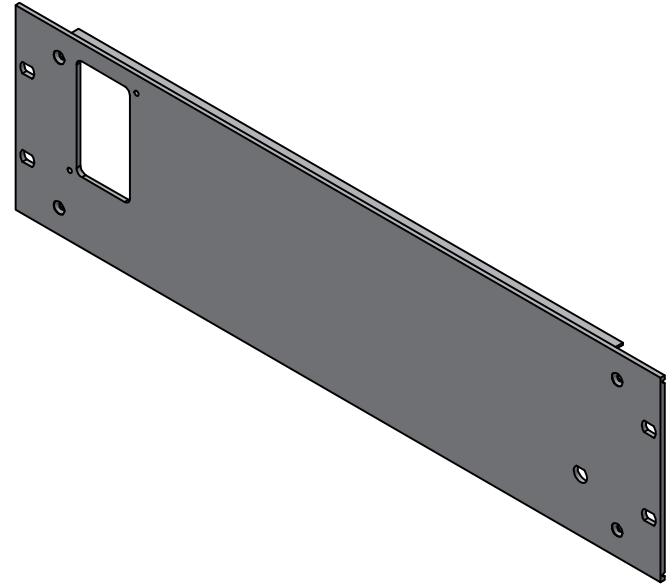
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Technologiecentrum

Faculteit der Natuurwetenschappen, Wiskunde en Informatica

17-0028-0098 -

Status CNC	Edition A.1	Sheet 13 / 16
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ROUGHNESS
ACCORDING
NEN 3634

DIMENSION TOLERANCE
ACCORDING ISO 2768 fH
SHAPE AND PLACS TOLERANCES
ACCORDING ISO 1101

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Projectnaam: Digital PID Loop

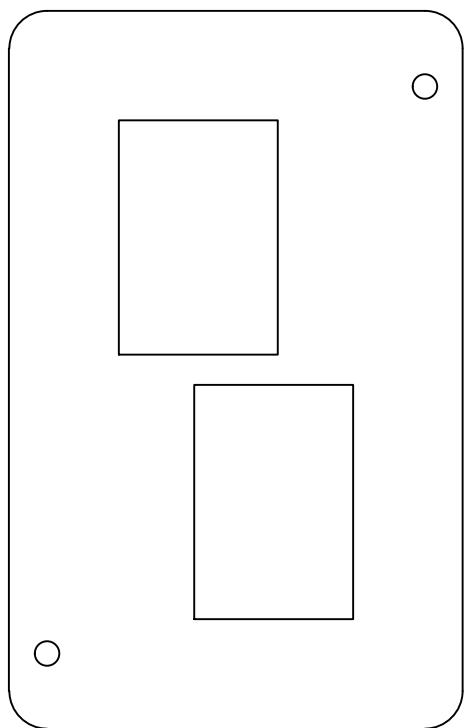
Date
14-11-2017

Size
A4

Opdrachtgever: Reichsöllner, Lukas

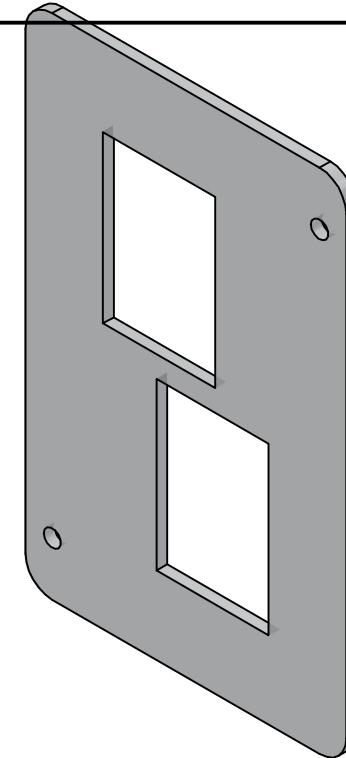
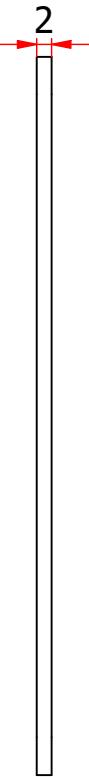
Instituut: IOP

 Universiteit van Amsterdam Technologiecentrum Faculteit der Natuurwetenschappen, Wiskunde en Informatica	17-0028-0069 - FET bank front plate	Status CNC	Edition A.1	Sheet 14 / 16
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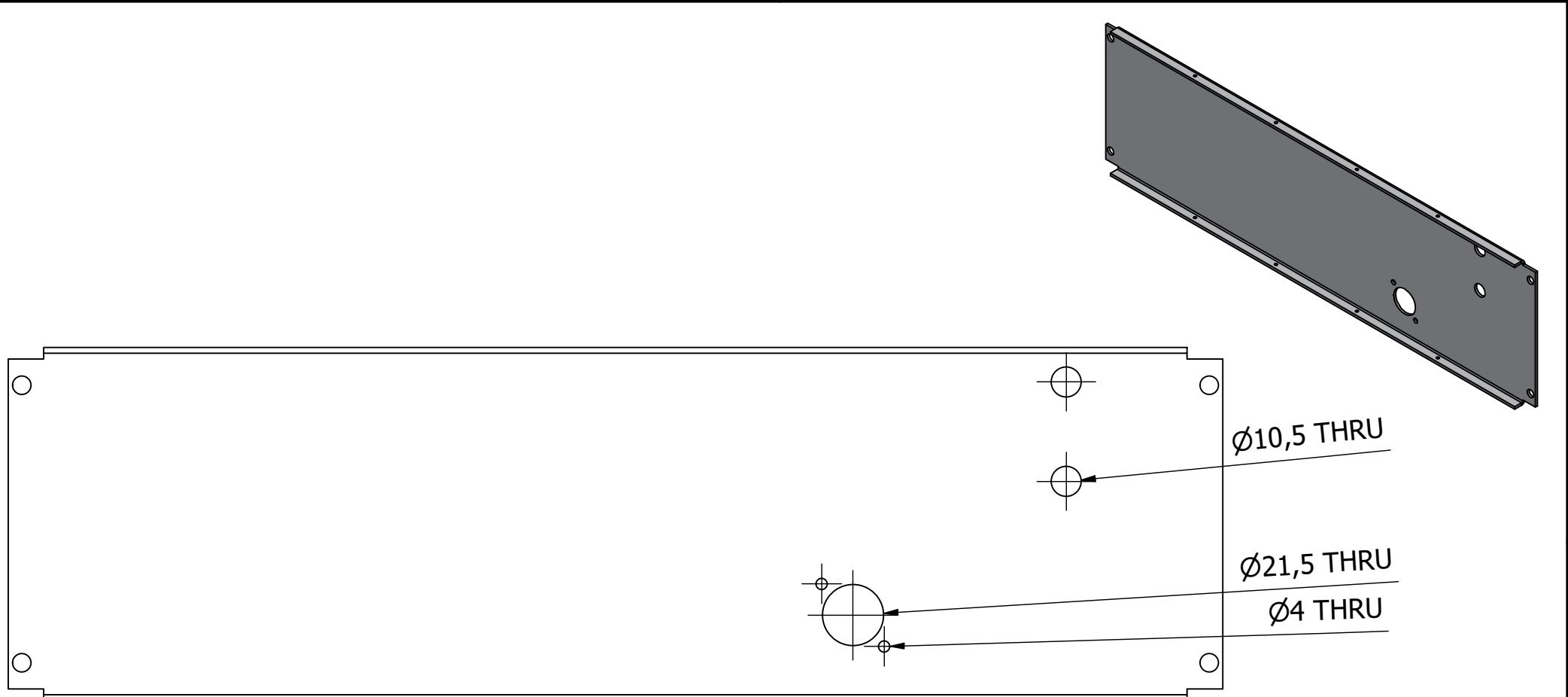


2

mm



Plastic (perspex PMMA)		10,38	
MATERIAL		SUBJECT	
Parts List			
	ROUGHNESS ACCORDING NEN 3634	DIMENSION TOLERANCE ACCORDING ISO 2768 fH SHAPE AND PLACES TOLERANCES ACCORDING ISO 1101	This document is property of University of Amsterdam it shall not be communicated to third parties and/or copied without prior consent of the author. And no disclosure shall be made of its content.
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	Universiteit van Amsterdam Technologiecentrum Faculteit der Natuurwetenschappen, Wiskunde en Informatica	17-0028-0112 - Status CNC	Edition A.1 Sheet 15 / 16



Aluminum-6061				313,22
MATERIAL		SUBJECT		MASS
Parts List				
	ROUGHNESS ACCORDING NEN 3634	DIMENSION TOLERANCE ACCORDING ISO 2768 fH	This document is property of University of Amsterdam it shall not be communicated to third parties and/or copied without prior consent of the author. And no disclosure shall be made of its content.	
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	Universiteit van Amsterdam Technologiecentrum Faculteit der Natuurwetenschappen, Wiskunde en Informatica	17-0028-0064 - 20860220_03 schroff		
	Status CNC	Edition A.1	Sheet 16 / 16	