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REV

DATE

CHANGES

DESCRIPTION

NAME:

A1

02.08.2013

INITIAL RELEASE

S.Blicharz

A.2

24.03.2016

Updated obsolete components

S.Blicharz

A.3

31.08.2016

Connected PBO to PB1 on the MCU

S.Blicharz

PCB FABRICATION NOTES: (Unless Otherwise Specified)

1. All layers are visible from Top to Bottom (without any mirror).

2. Layer "Board Outline (M1)" contains the board outline and shape.

3. Layer "Board Dimension (M2)" contains final dimension of the board.

4. Layer "Non Plated Routes (M3)" contains non plated apertures of any shape for milling in PCB.

5. Layer "Non Plated Routes Guide (M4)" contains guidlines regarding milling.

6. Layer "Fabrication Notes (M6)" contains notes for proper PCB fabrication.

7. Layer "Panel Details (M8)" shows the panel of PCB.

8. Layer "Panel Guide (M9)" contains guidelines about PCB panel fabrication.

9. Layer "Top Peelable Mask (M10)" contains peelable mask for the top layer of PCB.

10. Layer "Bottom Peelable Mask (M11)" contains peelable mask for the bottom layer of PCB.

11. The PCB should be RoHS compliant.

DESIGN INFORMATION

BOARD NAME: PCB; CBS-2100

PART NUMBER: 1051.00020.00_0-A.3

BOARD TECHNOLOGY:

BOARD SIZE:

0,2540,2540,177

82,55 mm x 190,50 mm

MIN TRACKPADSCLEARANCE

LAYER NUMBER: 2

LAYER STACK MANAGER: AS SHOWN

ARTWORK/PATTERN MASTER LIST

DESCRIPTION

CAD FILE REF.

EXT

LAYER NAME

GERBER FILE

GTP

Top Paste Mask

GERBER FILE

GTO

Top Overlay

GERBER FILE

GTS

Top Solder Mask

GERBER FILE

GTL

TOP LAYER

GERBER FILE

GBL

BOTTOM LAYER

GERBER FILE

GBS

Bottom Solder Mask

GERBER FILE

GBO

Bottom Overlay

GERBER FILE

GBP

Bottom Paste Mask

GERBER FILE

GD1

Drill Drawing

GERBER FILE

GG1

Drill Guide

GERBER FILE

GM1

Board Outline

GERBER FILE

GM2

Board Dimension

GERBER FILE

GM3

Non Plated Routes

GERBER FILE

GM4

Non Plated Routes Guide

GERBER FILE

GM6

PCB Fabrication Notes

GERBER FILE

GM8

Panel Details

GERBER FILE

GM9

Panel Guide

GERBER FILE

GM10

Top Peelable Mask

GERBER FILE

GM11

Bottom Peelable Mask

GERBER FILE

GM18

Stencil Frame

GERBER FILE

GM19

Stencil Guide

GERBER FILE

GM20

Stencil Fabrication Notes

GERBER FILE

GM31

Template Scheet A1

GERBER FILE

GM32

Template Scheet

APERTURE LIST

DRILL REPORT

DRR

DRILL FILE

LDP

EXCELLON DRILL

TXT

MATERIAL

TYPE

THICKNESS

GLASS FIBRE EPOXY RESIN

FR4

1.6mm

COPPER THICKNESS (FINISHED)

OUTER

INNER SIGN

INNER PWR

35 um(1OZ)

ALL DRILL DIMENSIONS HAVE FINISHED HOLE SIZE

RoHS COMPLIANT: YES

ELECTRICAL TEST: YES

SOLDER MASK: GREEN, APPLIED TO BOTH SIDES

SILK SCREEN: WHITE, APPLIED TO BOTH SIDES

PADS FINISHED: Lead-Free HASL

Layer Stack Up Detail for: CBS-2130.PcbDoc

Layer Name	Gerber Document	Copper Thickness	Dielectric Height	Dielectric Material	Dielectric Constant	Dielectric Type
Top Solder Mask	(.GTS)		0.4mil	Solder Resist	3.50	
Top Layer	(.GTL)	1.4mil	60mil	FR-4	4.80	Core
Bottom Layer	(.GBL)	1.4mil				
Bottom Solder Mask	(.GBS)		0.4mil	Solder Resist	3.50	

BUILD STATISTICS

GENERAL

NETS 163

COMPONENTS 204

PRIMITIVES

PULLS 7

TRACKS 43236

STRINGS 9972

ARCS 2296

LANDS

PADS 660

VIAS 538

PRINT SCALE

SCALE 1:00

190,50mm

82,55mm

LAYER NAME: Fabrication Board Details – Sheet 1 of 11

PLOT FILE: Fabrication Board Details – Sheet 1 of 11

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GERBER FILE

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GERBER FILE

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TOP LAYER

GERBER FILE

GBL

BOTTOM LAYER

GERBER FILE

GBS

Bottom Solder Mask

GERBER FILE

GBO

Bottom Overlay

GERBER FILE

GBP

Bottom Paste Mask

GERBER FILE

GD1

Drill Drawing

GERBER FILE

GG1

Drill Guide

GERBER FILE

GM1

Board Outline

GERBER FILE

GM2

Board Dimension

GERBER FILE

GM3

Non Plated Routes

GERBER FILE

GM4

Non Plated Routes Guide

GERBER FILE

GM6

PCB Fabrication Notes

GERBER FILE

GM8

Panel Details

GERBER FILE

GM9

Panel Guide

GERBER FILE

GM10

Top Peelable Mask

GERBER FILE

GM11

Bottom Peelable Mask

GERBER FILE

GM18

Stencil Frame

GERBER FILE

GM19

Stencil Guide

GERBER FILE

GM20

Stencil Fabrication Notes

GERBER FILE

GM31

Template Scheet A1

GERBER FILE

GM32

Template Scheet

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DRILL REPORT

DRR

DRILL FILE

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EXCELLON DRILL

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SILK SCREEN: WHITE, APPLIED TO BOTH SIDES

PADS FINISHED: Lead-Free HASL

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TOLERANCES

UNLESS OTHERWISE SPECIFIED

ALL DIMENSIONS ARE IN METRIC

ALL DECIMAL +- .005

ANGULAR +- 1/2 FIRST-ANGLE

DRAWING NAME:

PCB; CBS-2100

CREATED BY:

S.Blicharz

DATE

2016-09-05

DRAWING NO

1051.00020.00_0

CHK'D BY:

SCALE

SCALE: 1.00

APP'D BY:

REVISION

A.3

SHEET NAME AND NUMBER

Fabrication Board Details - Sheet 1 of 11

1

2

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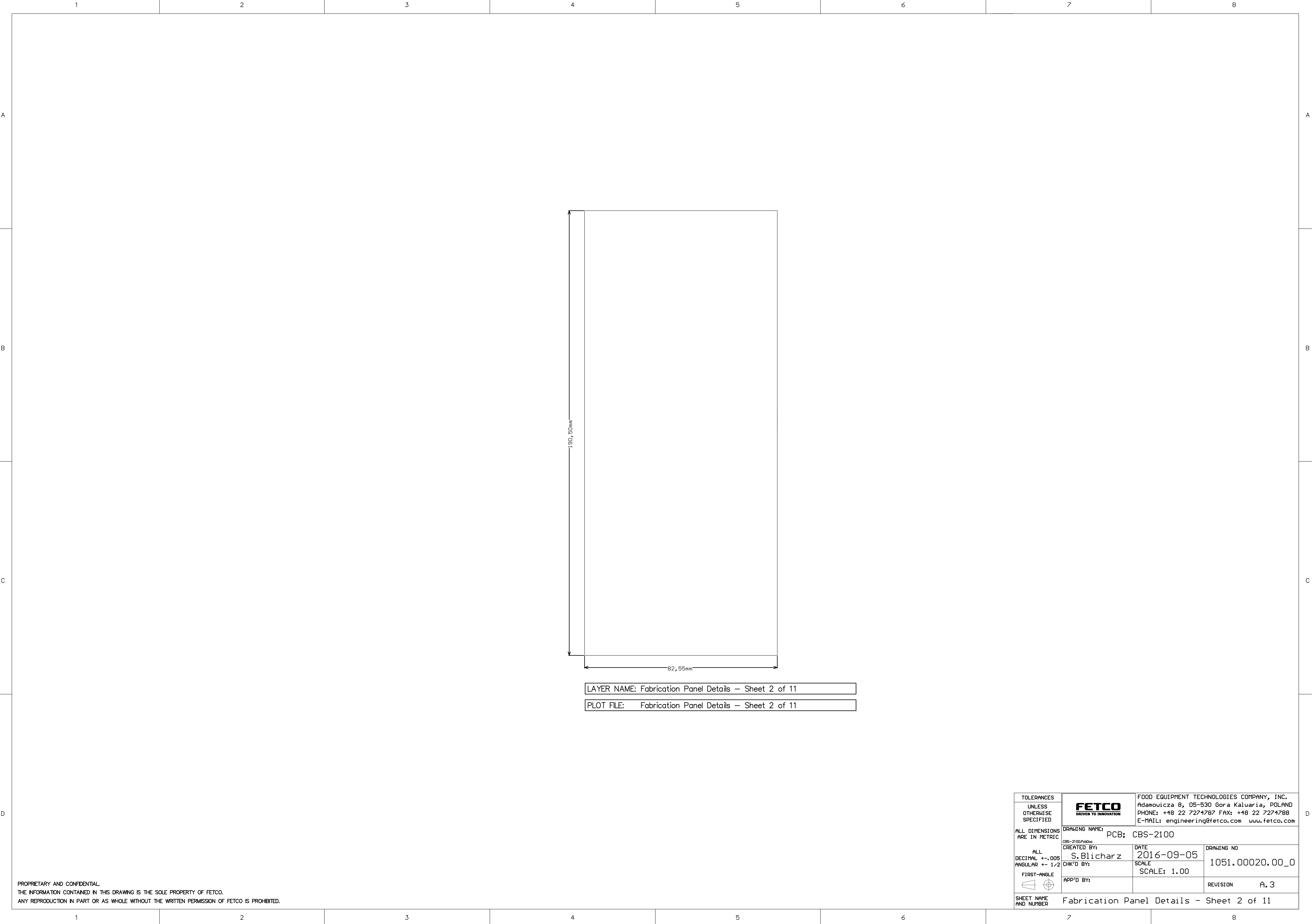
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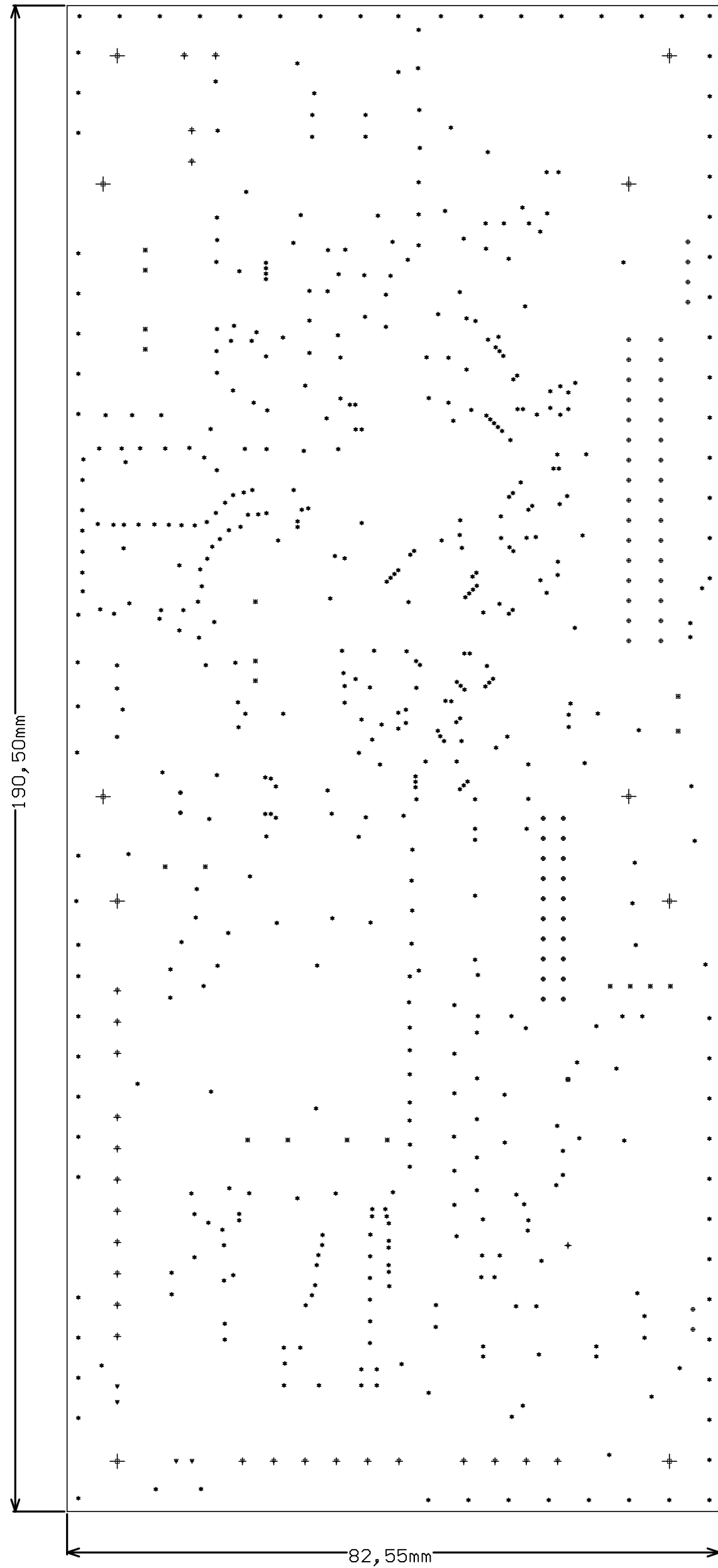
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UNLESS OTHERWISE SPECIFIED					
ALL DIMENSIONS ARE IN METRIC		DRAWING NAME: PCB; CBS-2100			
ALL DECIMAL $\pm$.005 ANGULAR $\pm$ 1/2 FIRST-ANGLE 	CBS-2100.PadDoc		CREATED BY:	DATE	DRAWING NO 1051.00020.00_0
	S.Blicharz		2016-09-05		
	CHK'D BY:		SCALE		
			SCALE: 1.00		
APP'D BY:			REVISION	A.3	
SHEET NAME AND NUMBER		Fabrication Panel Details - Sheet 2 of 11			



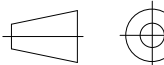
LAYER NAME: Hole Drill Details – Sheet 3 of 11

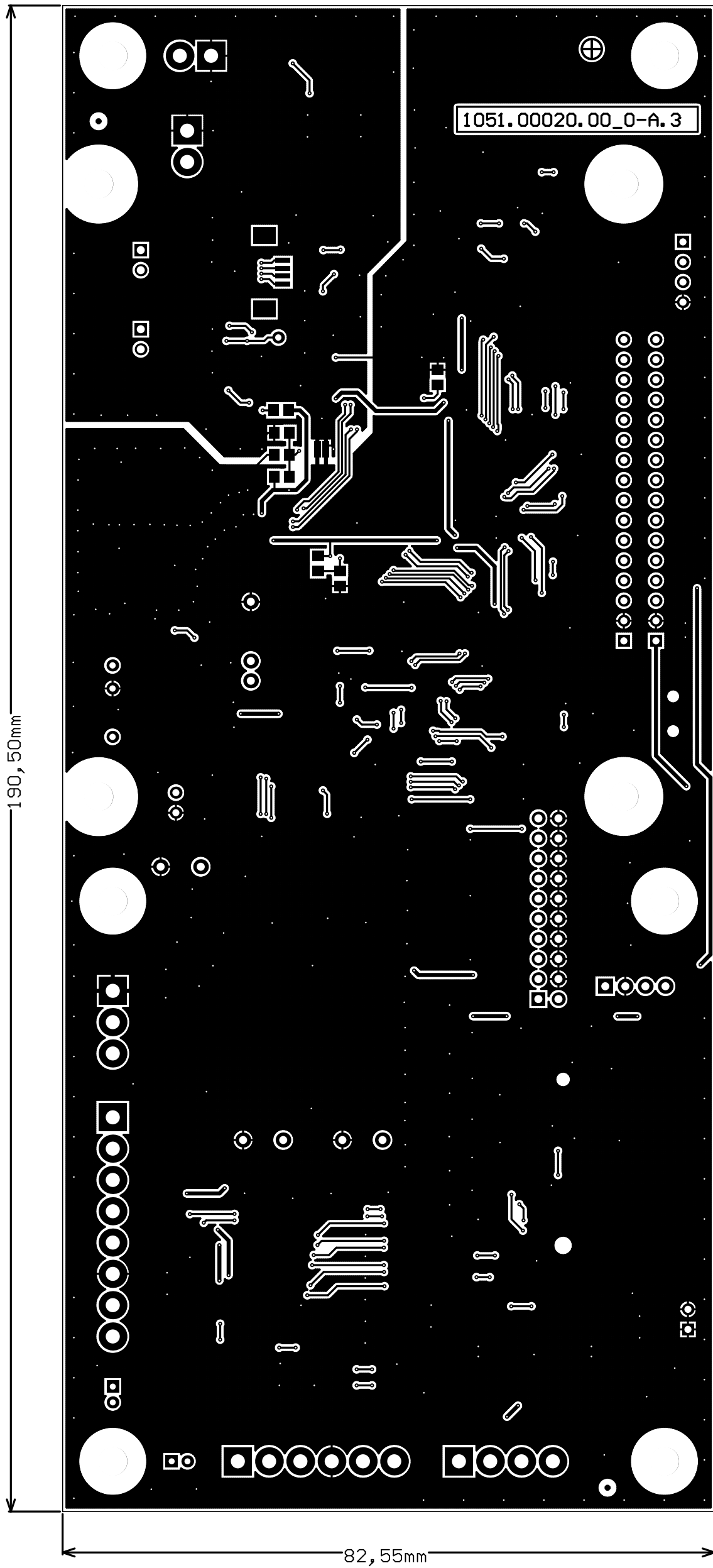
PLOT FILE: Hole Drill Details – Sheet 3 of 11

Symbol	Count	Hole Size	Plated	Hole Type
◻	1	43,31mil (1,100mm)	NPTH	Round
◇	1	62,99mil (1,600mm)	NPTH	Round
●	2	35,00mil (0,889mm)	PTH	Round
⊗	2	35,43mil (0,900mm)	NPTH	Round
▼	4	30,00mil (0,762mm)	PTH	Round
✱	4	31,50mil (0,800mm)	PTH	Round
□	10	145,00mil (3,683mm)	NPTH	Round
⊗	17	40,00mil (1,016mm)	PTH	Round
⊗	20	40,16mil (1,020mm)	PTH	Round
▼	25	70,00mil (1,778mm)	PTH	Round
○	38	35,43mil (0,900mm)	PTH	Round
✱	538	8,00mil (0,203mm)	PTH	Round
	662 Total			

FINISHED HOLE DIAMETER SUMMARY

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ALL DIMENSIONS ARE IN METRIC		DRAWING NAME: PCB; CBS-2100	
ALL DECIMAL +/- .005 ANGULAR +/- 1/2		CREATED BY: S.Blicharz CHK'D BY:	DATE 2016-09-05 SCALE SCALE: 1.00
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Hole Drill Details - Sheet 3 of 11			

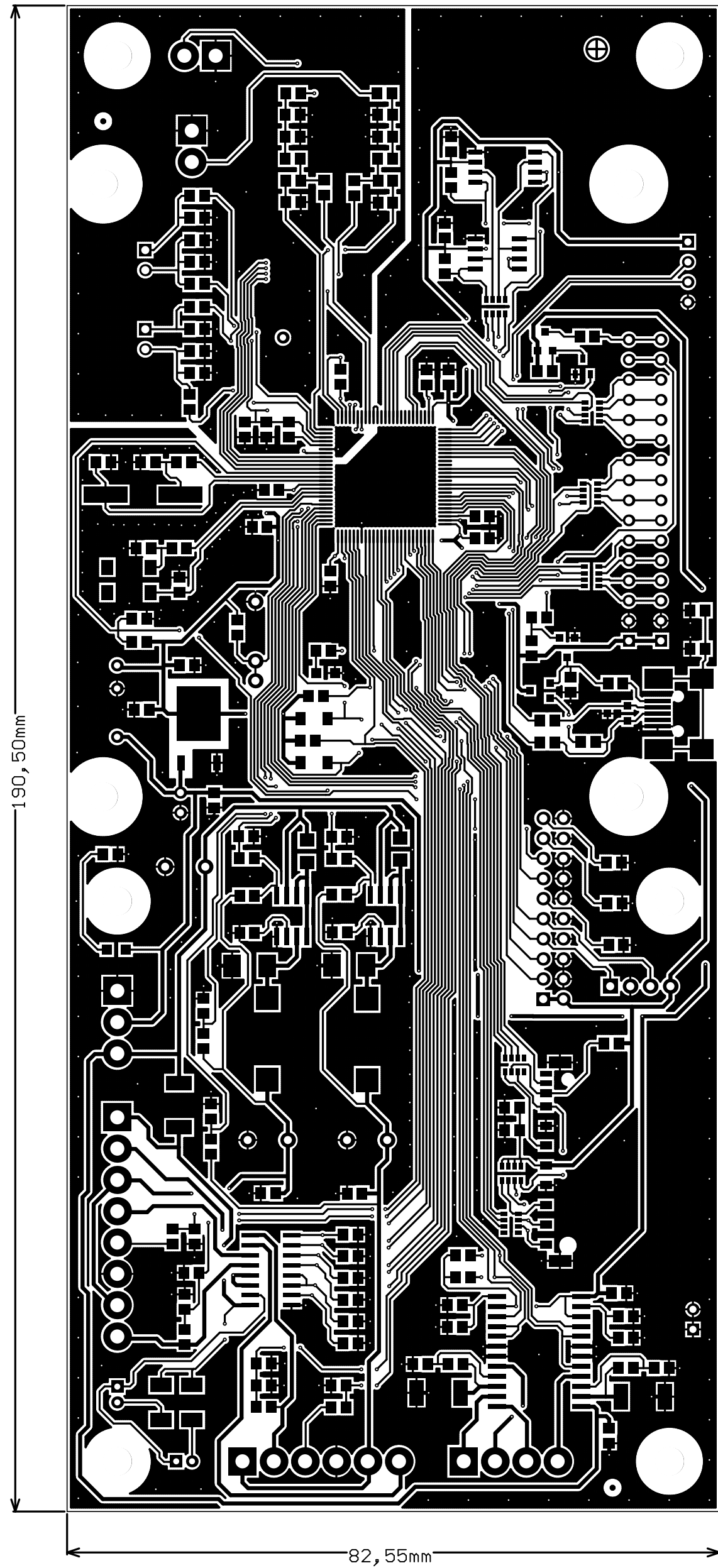


LAYER NAME: Artwork – Top Layer – Sheet 4 of 11

PLOT FILE: Artwork – Top Layer – Sheet 4 of 11

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ALL DIMENSIONS ARE IN METRIC		DRAWING NAME: PCB; CBS-2100			
ALL DECIMAL $\pm .005$ ANGULAR $\pm 1/2$		CBS-2100.PcbDoc CREATED BY: S.Blicharz		DATE 2016-09-05	DRAWING NO 1051.00020.00_0
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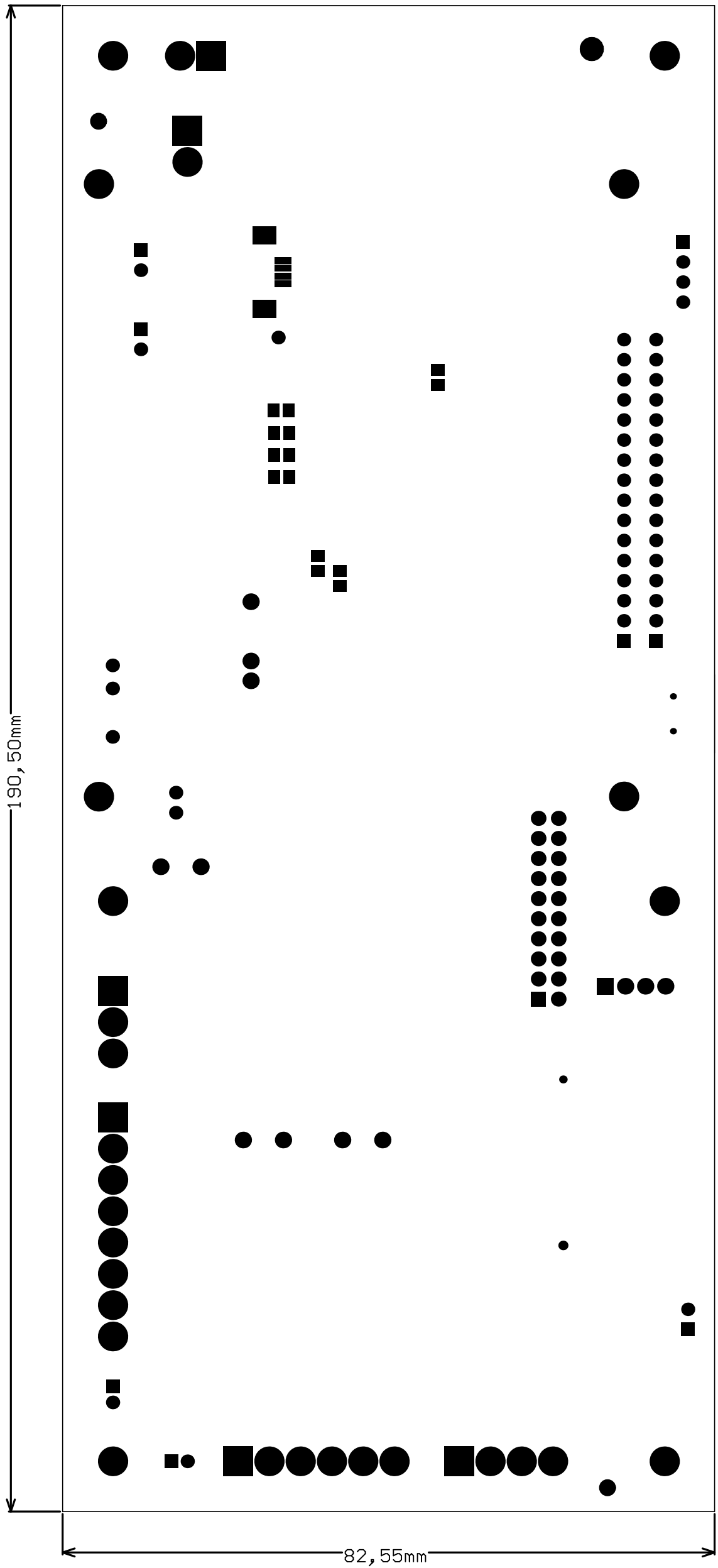


LAYER NAME: Artwork – Bottom Layer – Sheet 5 of 11

PLOT FILE: Artwork – Bottom Layer – Sheet 5 of 11

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		APP'D BY:			REVISION A.3
SHEET NAME AND NUMBER		Artwork - Bottom Layer - Sheet 5 of 11			



LAYER NAME: Artwork – Top Solder Mask – Sheet 6 of 11

PLOT FILE: Artwork – Top Solder Mask – Sheet 6 of 11

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ALL DIMENSIONS ARE IN METRIC		DRAWING NAME: PCB; CBS-2100			
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		APP'D BY:		DRAWING NO 1051.00020.00_0	
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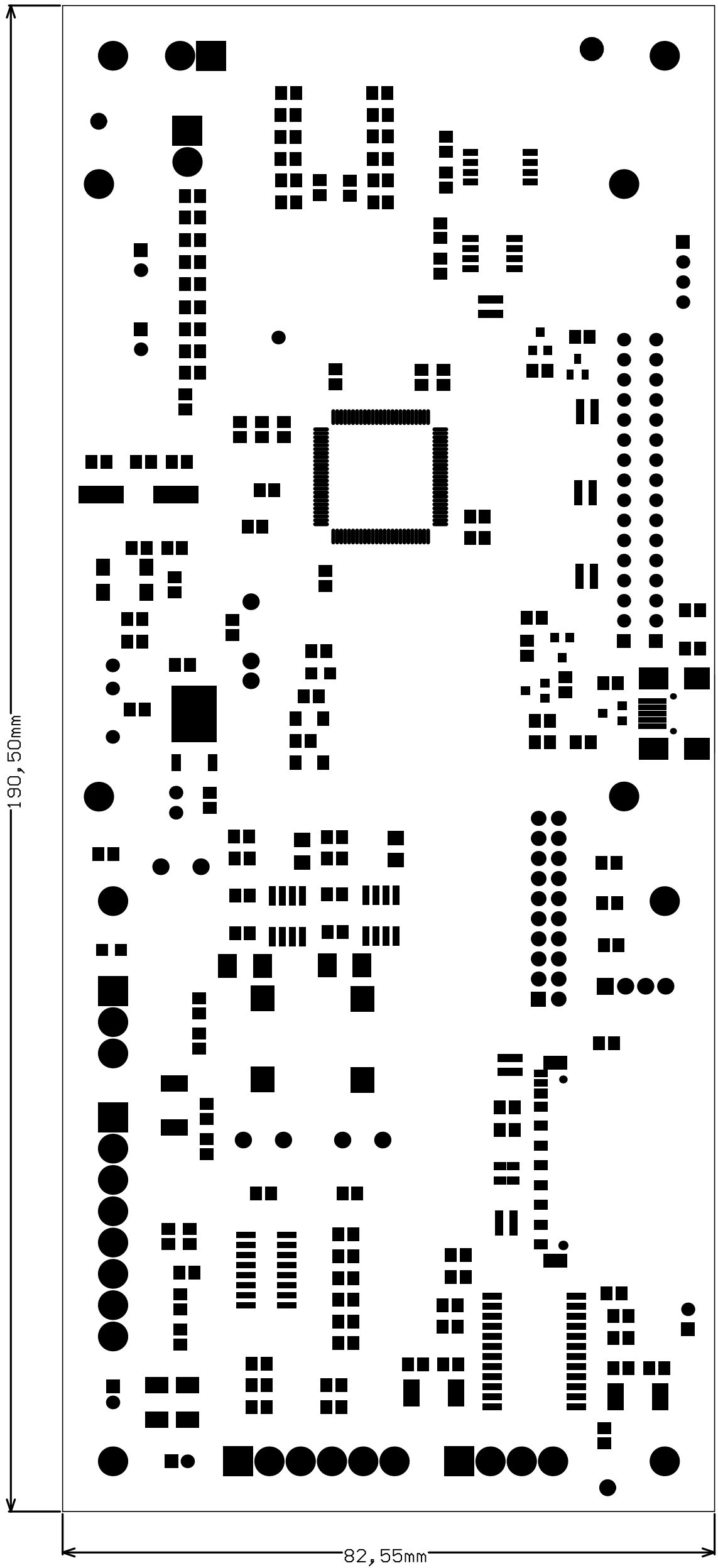
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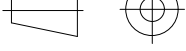
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LAYER NAME: Artwork – Bottom Solder Mask – Sheet 7 of 11

PLOT FILE: Artwork – Bottom Solder Mask – Sheet 7 of 11

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ALL DIMENSIONS ARE IN METRIC		DRAWING NAME: PCB; CBS-2100				
ALL DECIMAL $\pm .005$ ANGULAR $\pm 1/2$ FIRST-ANGLE 		CBS-2100.PcbDoc		DATE		DRAWING NO
		CREATED BY: S.Blicharz		2016-09-05		
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SHEET NAME AND NUMBER				REVISION A.3		
		Artwork - Bottom Solder Mask - Sheet 7 of 11				

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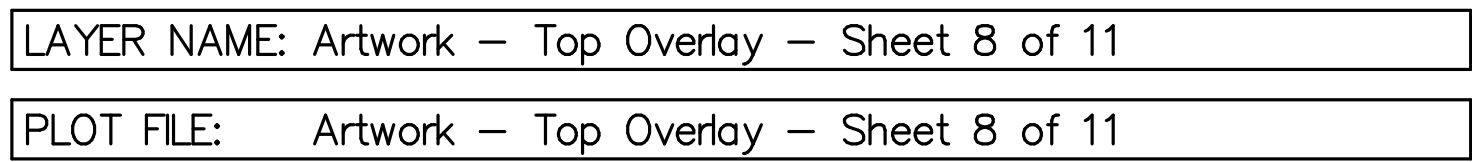
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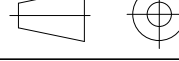
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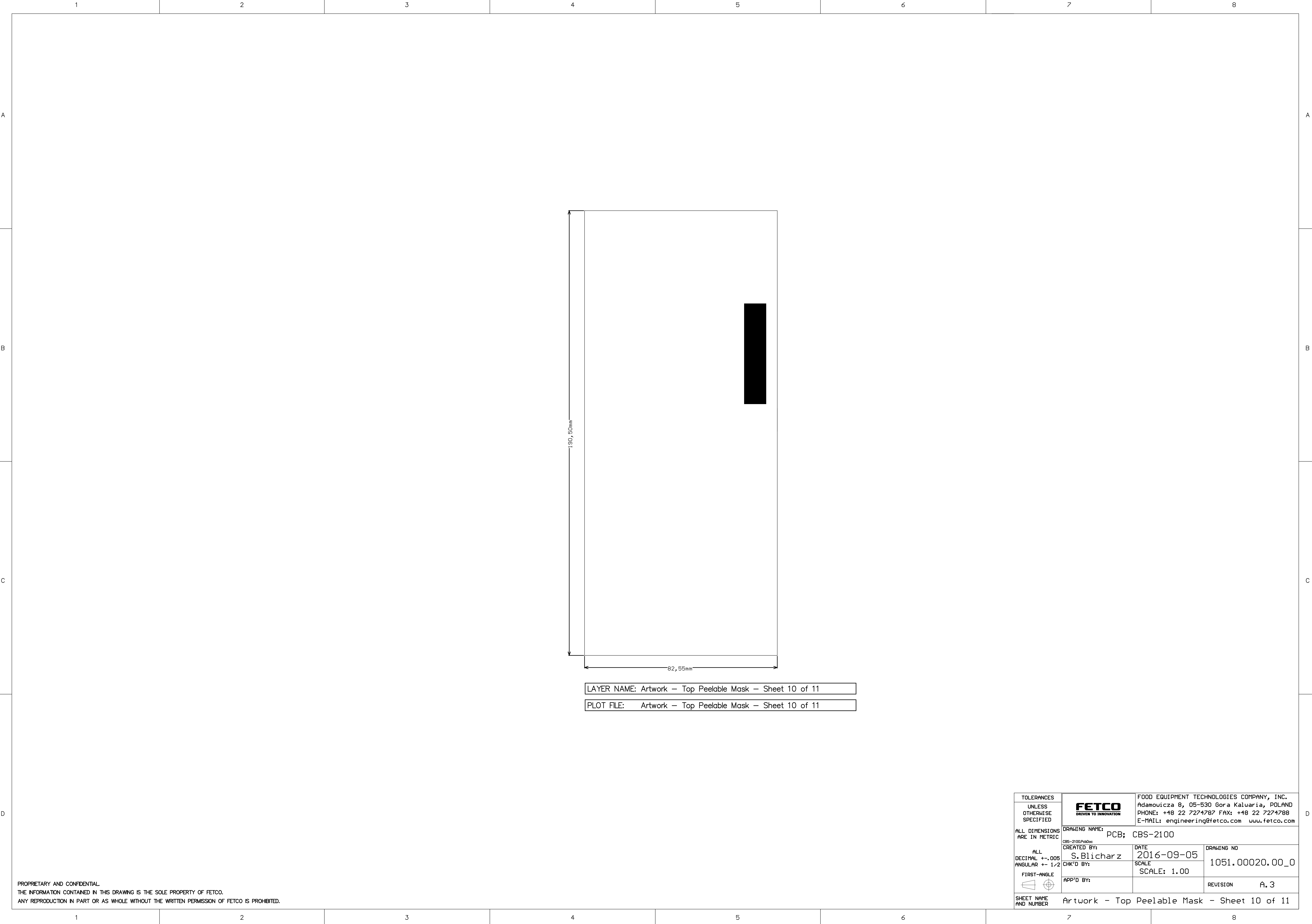
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ALL DIMENSIONS ARE IN METRIC	DRAWING NAME: PCB; CBS-2100			
ALL DECIMAL $\pm .005$ ANGULAR $\pm 1/2^\circ$ FIRST-ANGLE 	CBS-2100.Pcb00c CREATED BY: S.Blicharz		DATE 2016-09-05	DRAWING NO 1051.00020.00_0
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SHEET NAME AND NUMBER	Artwork - Bottom Overlay - Sheet 9 of 11			

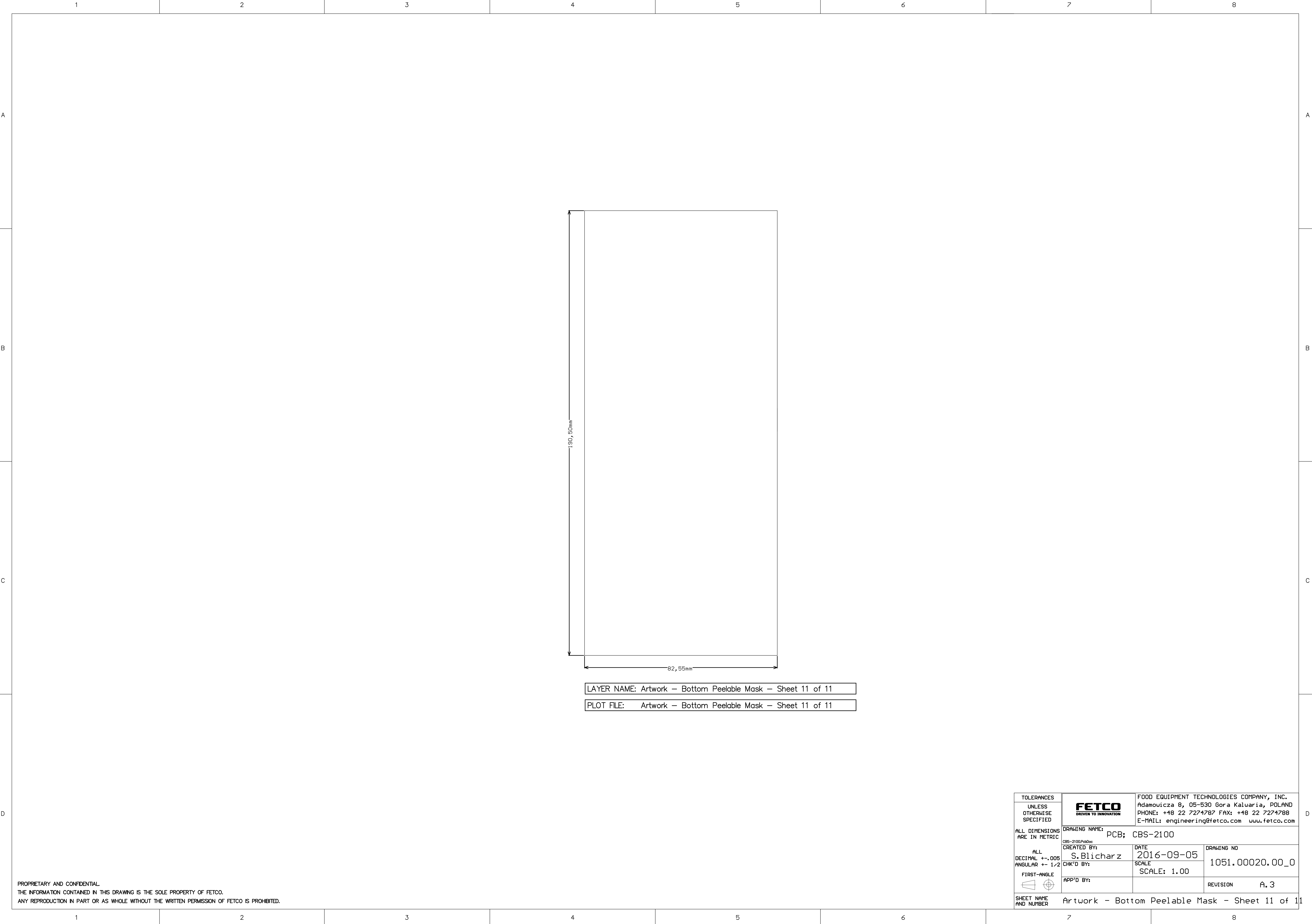


LAYER NAME: Artwork – Top Peelable Mask – Sheet 10 of 11

PLOT FILE: Artwork – Top Peelable Mask – Sheet 10 of 11

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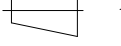
TOLERANCES		 DRIVEN TO INNOVATION	FOOD EQUIPMENT TECHNOLOGIES COMPANY, INC. Adamowicza 8, 05-530 Gora Kalwaria, POLAND PHONE: +48 22 7274787 FAX: +48 22 7274788 E-MAIL: engineering@fetco.com www.fetco.com		
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	CHK'D BY:		SCALE		
			SCALE: 1.00		
APP'D BY:			REVISION		A.3
SHEET NAME AND NUMBER		Artwork - Top Peelable Mask - Sheet 10 of 11			



LAYER NAME: Artwork – Bottom Peelable Mask – Sheet 11 of 11

PLOT FILE: Artwork – Bottom Peelable Mask – Sheet 11 of 11

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	S.Blicharz	2016-09-05	1051.00020.00_0	
	CHK'D BY:	SCALE		
	APP'D BY:	SCALE: 1.00		
		REVISION	A.3	
SHEET NAME AND NUMBER	Artwork - Bottom Peelable Mask - Sheet 11 of 11			