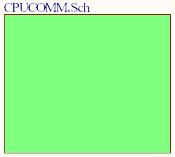
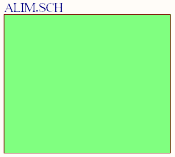
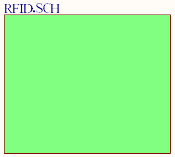
CPUCOMM
CPUCOMM.Sch



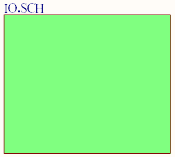
Alimentation
ALIM.SCH



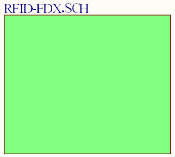
RFID
RFID.SCH



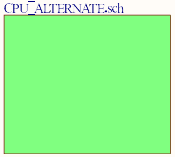
IO
IO.SCH



RFID-FDX
RFID-FDX.SCH



CPU_ALTERNATE
CPU_ALTERNATE.sch



HISTORIQUE DES RÉVISIONS

DATE	REVISION	DESCRIPTION	AUTEUR
2015/04/19	0	VERSION INITIALE	Andre Spilmann, ing.
2015/05/13	1	Ajouté driver et fredback pour relais 2	Andre Spilmann, ing.
2017/03/08	2	Ajouté tranzorbs D25@27 sur fredback de relais et des sorties de peinture	Andre Spilmann, ing.
2018/09/05	3	Changé CPU pour éliminer des latch et ajouter de la RAM. Ajouté FDX. Changé polyswitch sur sorties moteur.	Andre Spilmann, ing.
2018/11/28	4	Renforcé les sorties de peinture pour plus gros solenoid Modifié le circuit de conditionnement pour la lecture FDX.	Andre Spilmann, ing.
2019/08/01	5	Grossi les polyswitch sur power supply et sur sorties moteurs	Andre Spilmann, ing.
2022/04/28	6	Ajout du footprint TQFP du CPU (choix de deux footprints) Optimisation du layout du circuit FDX	Guy Santerre, ing.

SN1

SERIES LABEL

CADRE1

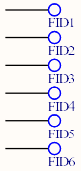
CADRE

H1
HOLE

H2
HOLE

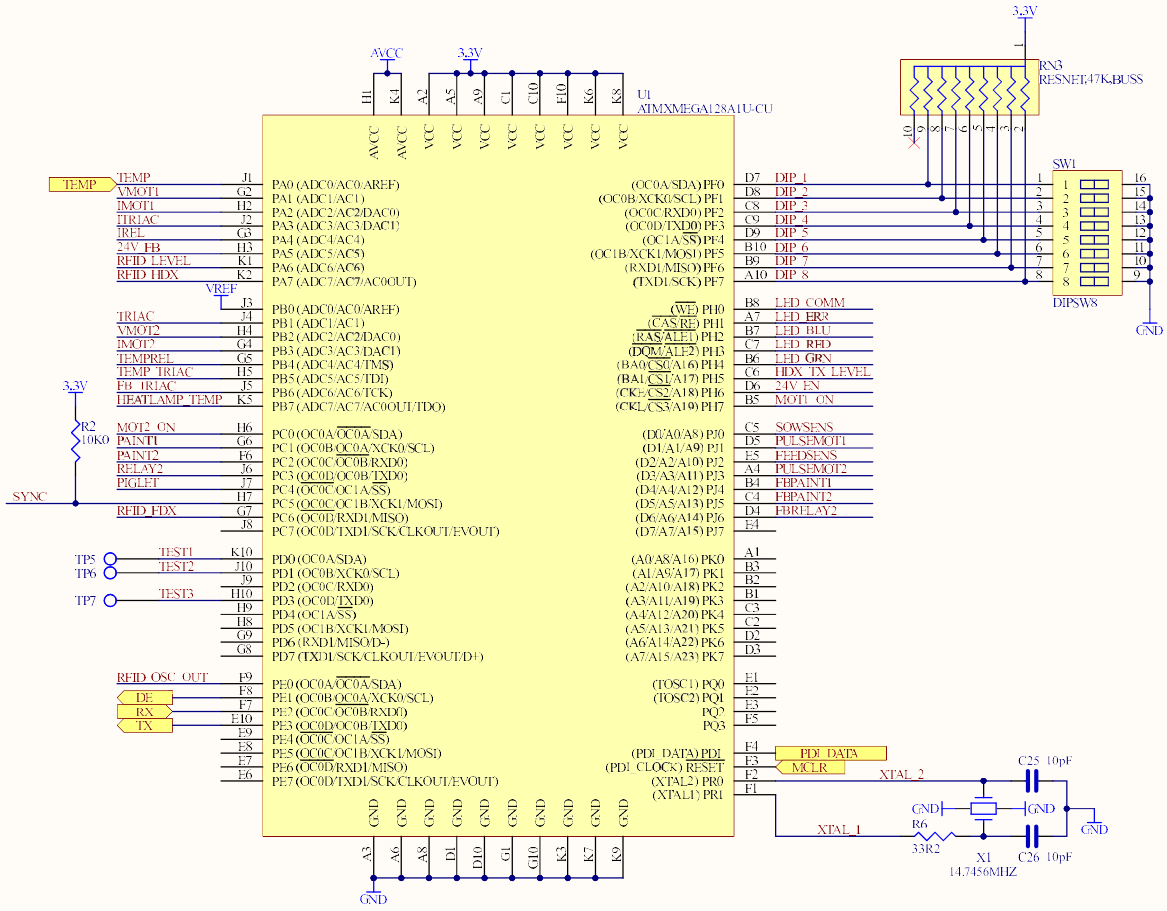
H3
HOLE

H4
HOLE

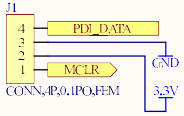


Title: *PCB124 - Alimentation truies 3P*			*Maximus* *1250 Marie-Victorin* *Saint-Bruno* *Québec J3V 6B8*
Size: B	Number: MAIN	Revision: 6	
Date: 2022-05-02 Time: 16:17:55		Sheet 1 of 7	
File: MAIN.Sch			

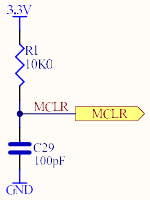
MAXIMUS



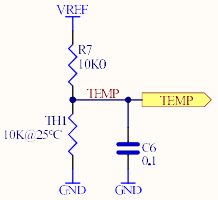
PROGRAMMATION



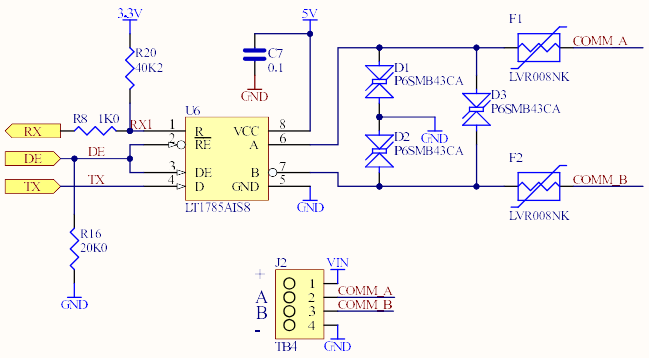
RESET



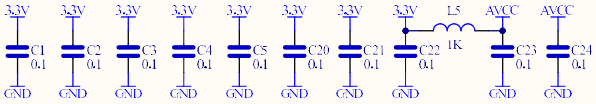
LECTURE TEMPÉRATURE



COMMUNICATION RS-485

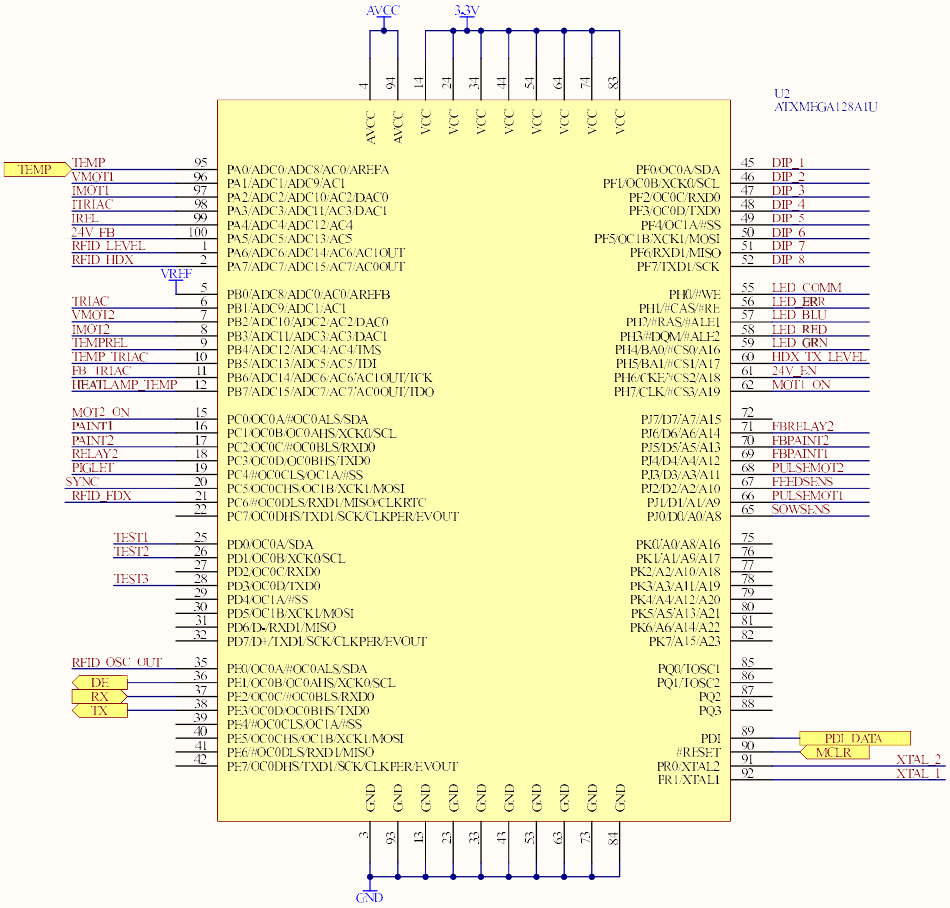


DÉCOUPLAGE U1



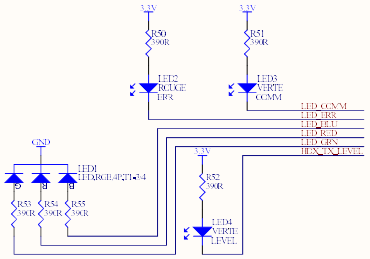
Title: *PCB124 - Alimentation truies 3P*			*Maximus 1250 Marie-Victorin Saint-Bruno Québec J3V 6B8*
Size: B	Number: CPU+COMM	Revision: 6	
Date: 2022-05-02	Time: 16:17:55	Sheet 2 of 7	
File: CPUCOMM.Sch			

MAXIMUS

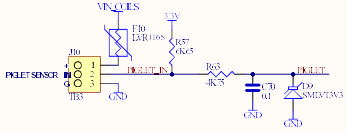


Title: *PCB124 - Alimentation truies 3P*			Maximus 1250 Marie-Victorin Saint-Bruno Quebec J3V 6B8
Size: B	Number: CPU_TQFP	Revision: 6	
Date: 2022-05-02	Time: 16:17:55	Sheet 3 of 7	
File: CPU_ALTERNATE.sch			

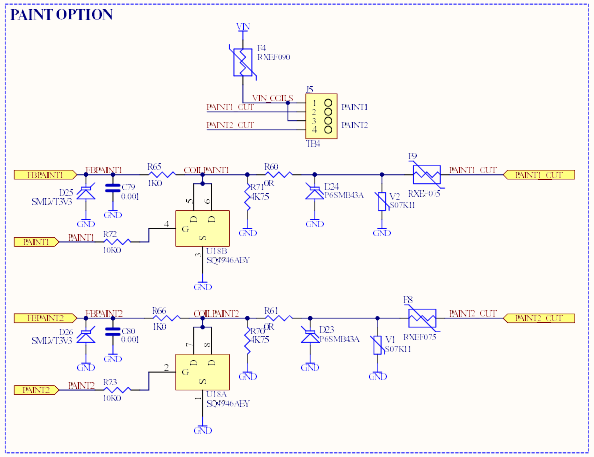
LEDS



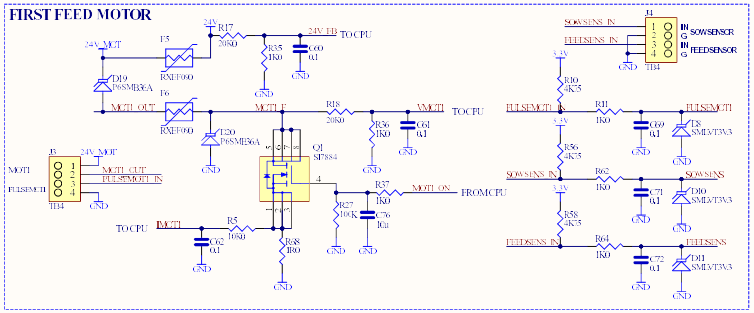
PIGLET SENSOR



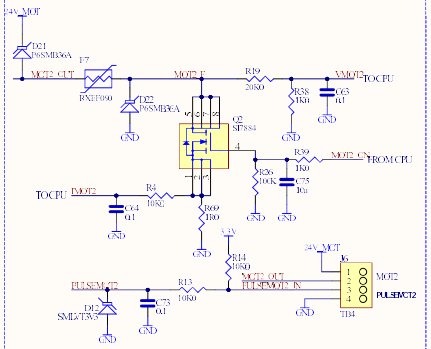
PAINT OPTION



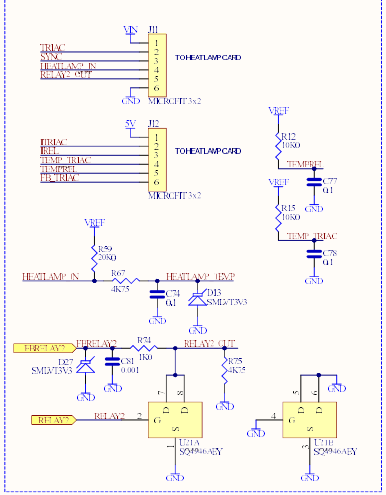
FIRST FEED MOTOR



2ND MOTOR OPTION



HEAT LAMP OPTION



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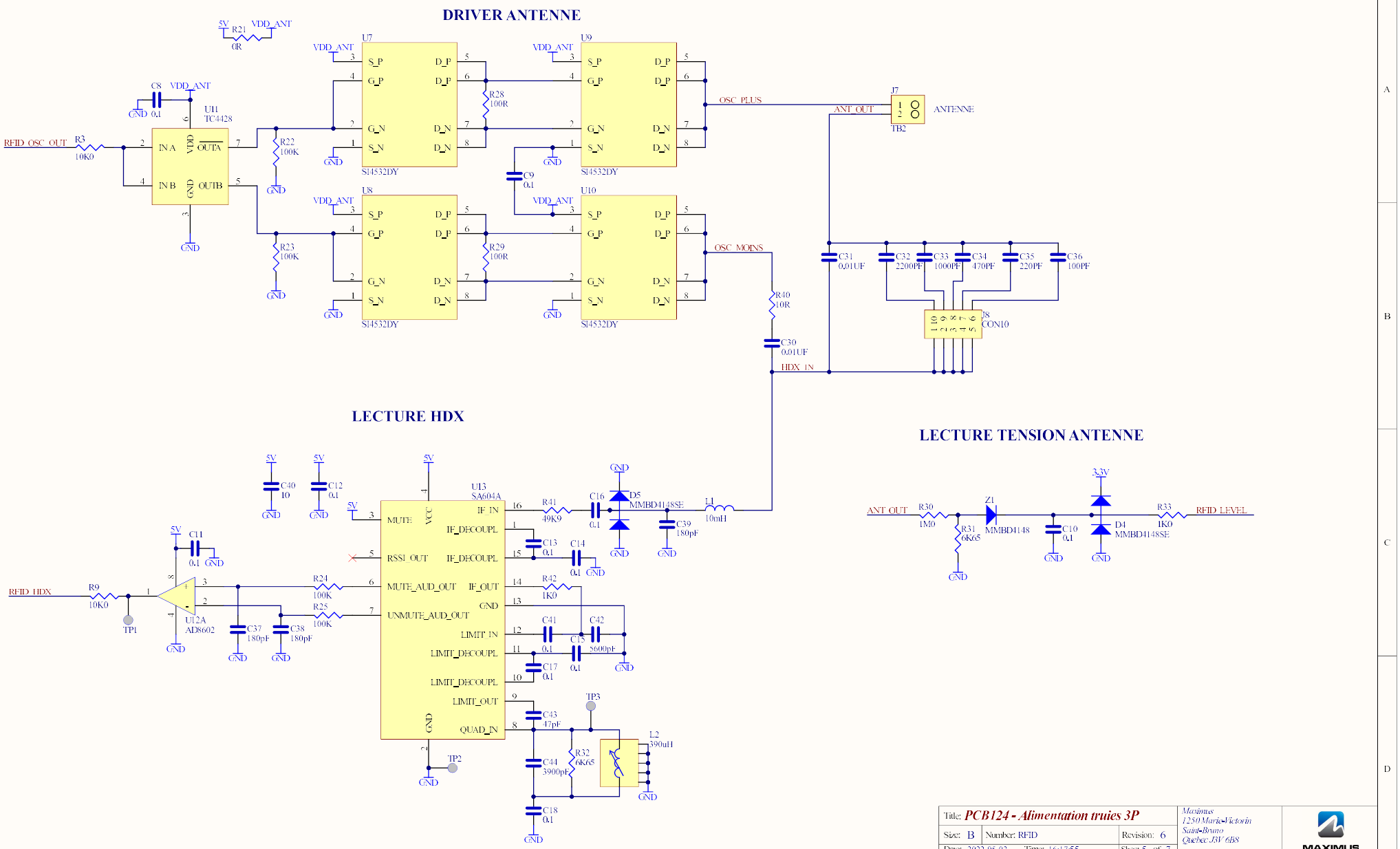
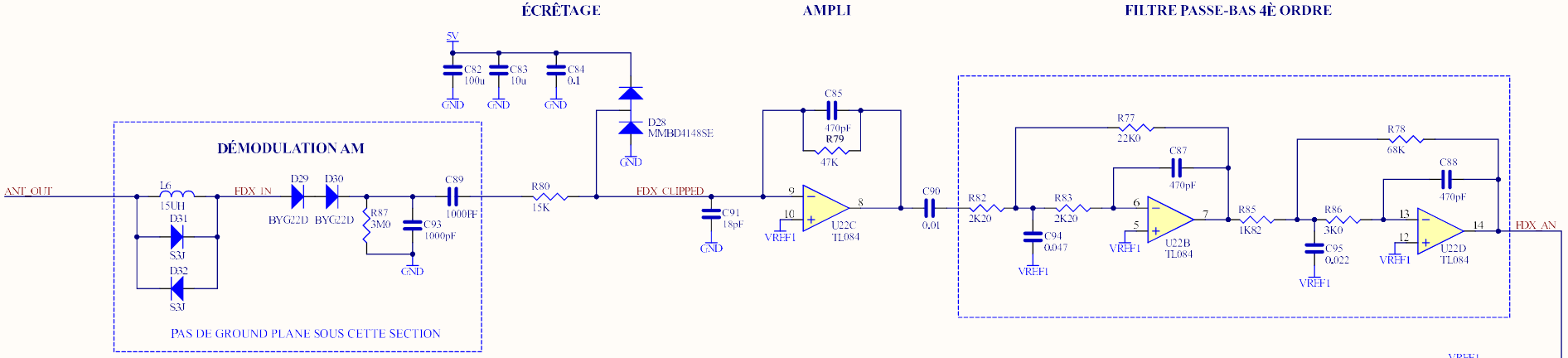
Size: C	Number: 0	Revision: 6	
Date: 2022-05-25	Time: 16:17:55	Sheet 4 of 7	
File: 0.SchDoc			

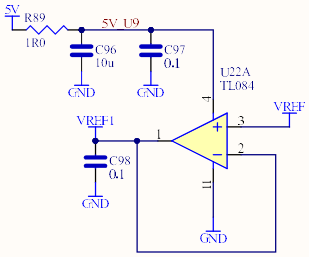
MAXIMUS

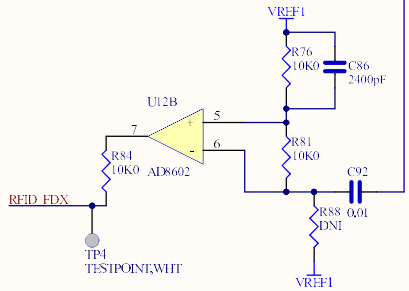

DRIVER ANTENNE
LECTURE HDX
LECTURE TENSION ANTENNE
U11 TC4428
U7
U8
U9
U10
SI4532DY
U13 SA604A
U12A AD8602
OSC_PLUS
OSC_MOINS
ANT_OUT
HDX_IN
RFID_OSC_OUT
RFID_HDX
RFID_LEVEL
ANTENNE
CON10
Title: PCB124 - Alimentation truies 3P
Size: B
Number: RFID
Revision: 6
Date: 2022-05-02
Time: 16:17:55
Sheet 5 of 7
File: RFID.SCH
Maximus
1250 Marie-Victorin
Saint-Bruno
Quebec J3V 6B8
MAXIMUS

LECTURE FDX



RÉFÉRENCE 2.5V POUR FDX



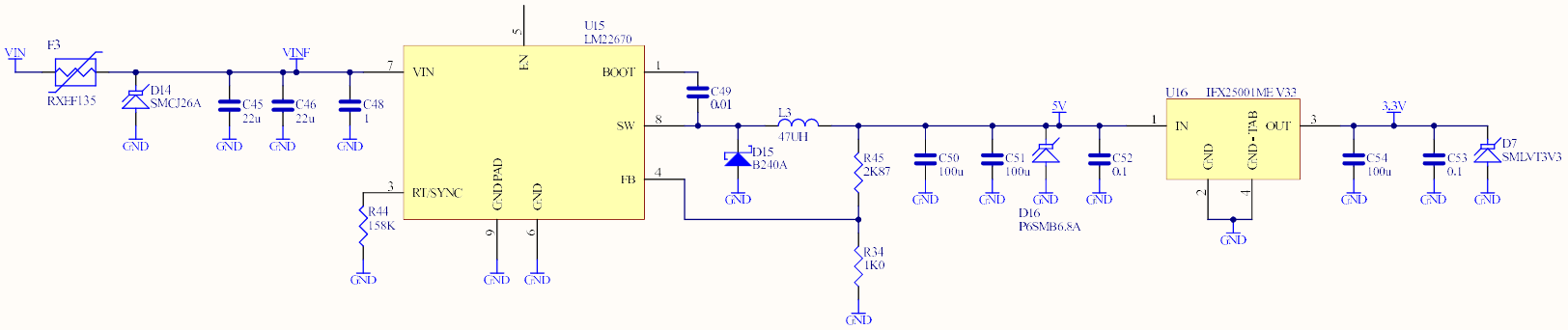


Title: *PCB124 - Alimentation truies 3P*			Maximus 1250 Marie-Victorin Saint-Bruno Québec J3V 6B8
Size: B	Number: RFID	Revision: 6	
Date: 2022-05-02 Time: 16:17:56		Sheet 6 of 7	
File: RFID-FDX.SCH			

MAXIMUS

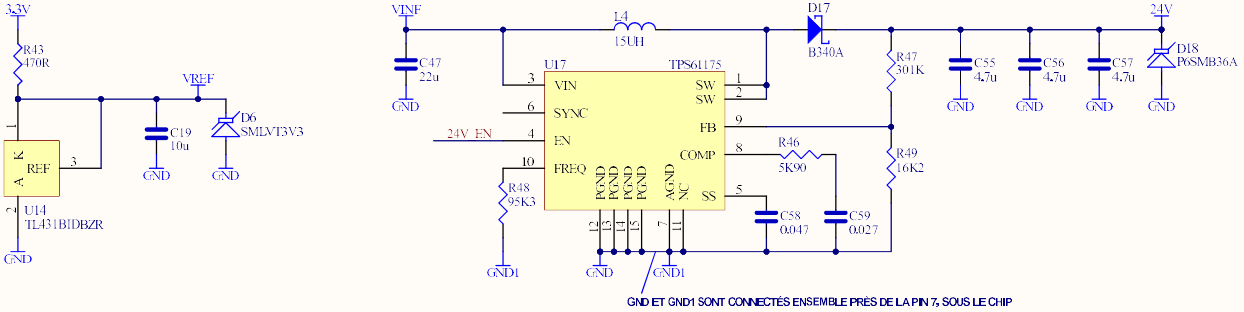
ALIMENTATION 5V

ALIMENTATION 3.3V



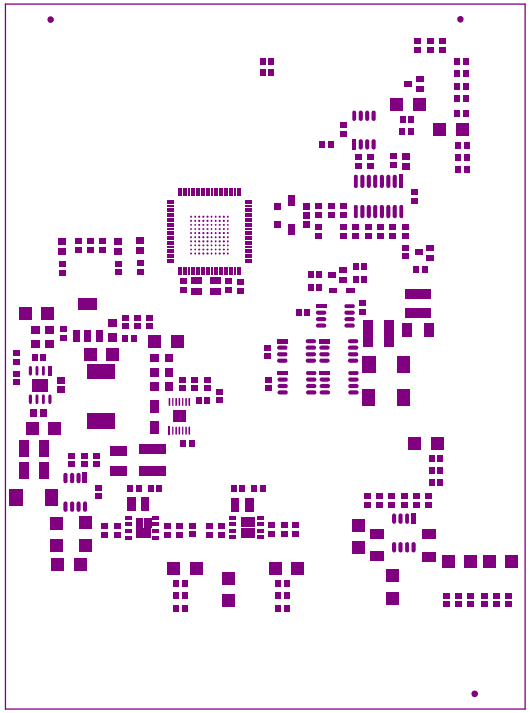
RÉFÉRENCE 2.5V A/D

ALIMENTATION 24V MOTEUR



Title: PCB124 - Alimentation truies 3P			Maximus 1250 Marie-Victorin Saint-Bruno Québec J3V 6B8
Size: B	Number: ALIM	Revision: 6	
Date: 2022-05-02 Time: 16:17:56		Sheet 7 of 7	
File: ALIM.SCH			

MAXIMUS



NOTE:

1. 4 Layers, ENIG finish, FR-4, 1 oz. copper on each layer
2. Over all thickness after plating:
   0.0625 +/-0.007
3. All dimensions are imperial unless specified.
4. Silkscreening to be non-conductive WHITE epoxy.
5. Board must meet UL rating of 94V-0 and
   UL rating must appear on P.C.B. side unless
   the manufacturer logo is UL acknowloged.
6. The supplier must be put the date code (week-year)
   and his logo on either side.
7. The finished line width must be within +/-10%
   of the original artwork.
8. Panelize the circuit (V-grooves) to optimize board usage.
9. Add 10mm border all around with 3 fiducials
10. Electrical test must be performed
11. Blue solder mask

LAYER PRINTED

MECHANICAL :
1 ,4

TOP PASTE

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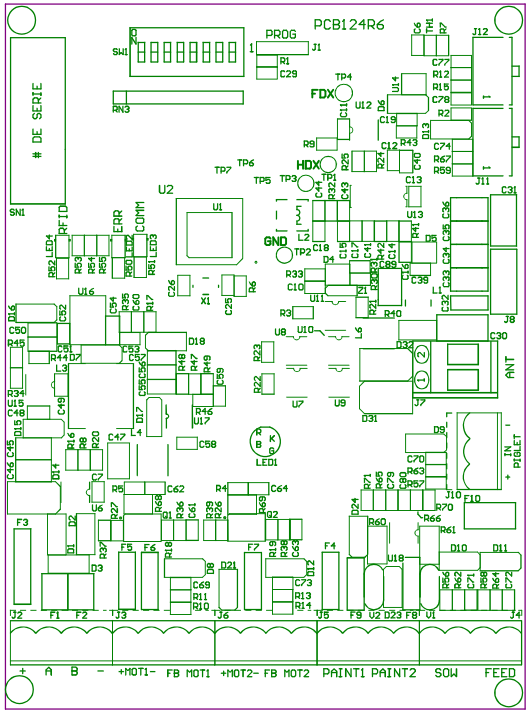
PROJECT : MAXIMUS
DESIGNER : ANDRE SPILMANN, ing.
REVISED BY : GUY SANTERRE, ing.
DATE : 2022-05-02
NAME : PCB124R6.PCB

CADRE



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11. Blue solder mask

LAYER PRINTED
TOP OVERLAY
MECHANICAL : 1 ,4

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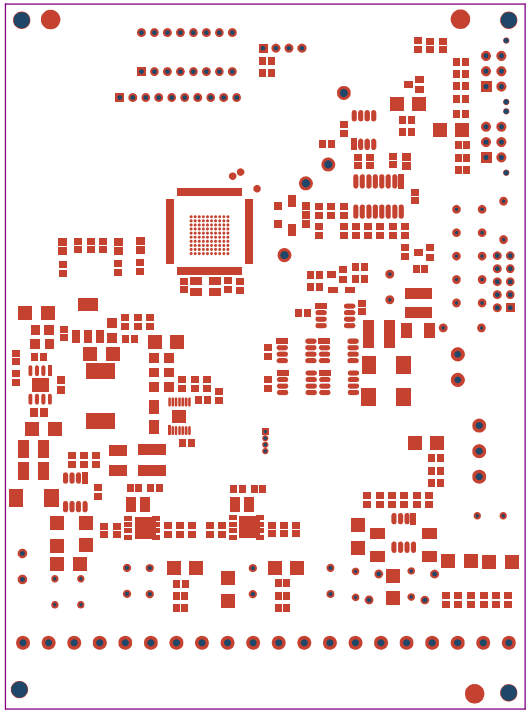
PROJECT : MAXIMUS
DESIGNER : ANDRE SPILMANN, ing.
REVISED BY : GUY SANTERRE, ing.
DATE : 2022-05-02
NAME : PCB124R6.PCB



NOTE:

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8. Panelize the circuit (V-grooves) to optimize board usage.
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10. Electrical test must be performed
11. Blue solder mask

LAYER PRINTED

MECHANICAL : 1 ,4

TOP SOLDER

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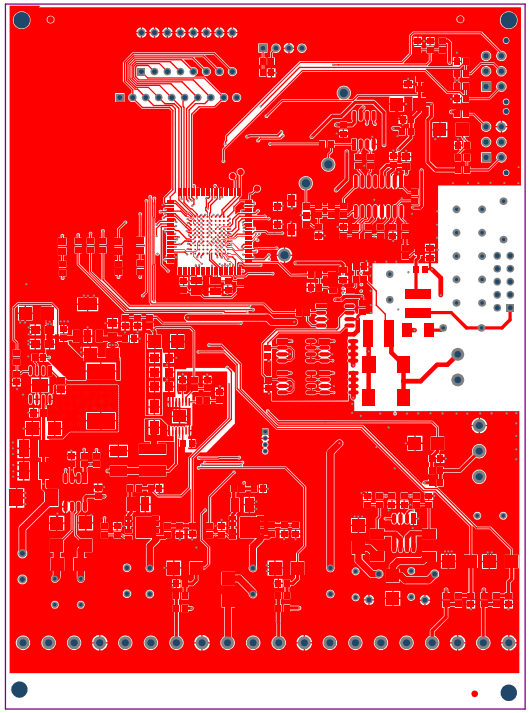
PROJECT : MAXIMUS
DESIGNER : ANDRE SPILMANN, ing.
REVISED BY : GUY SANTERRE, ing.
DATE : 2022-05-02
NAME : PCB124R6.PCB



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3. All dimensions are imperial unless specified.
4. Silkscreening to be non-conductive WHITE epoxy.
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11. Blue solder mask

LAYER PRINTED

TOP LAYER

MECHANICAL :
1 ,4

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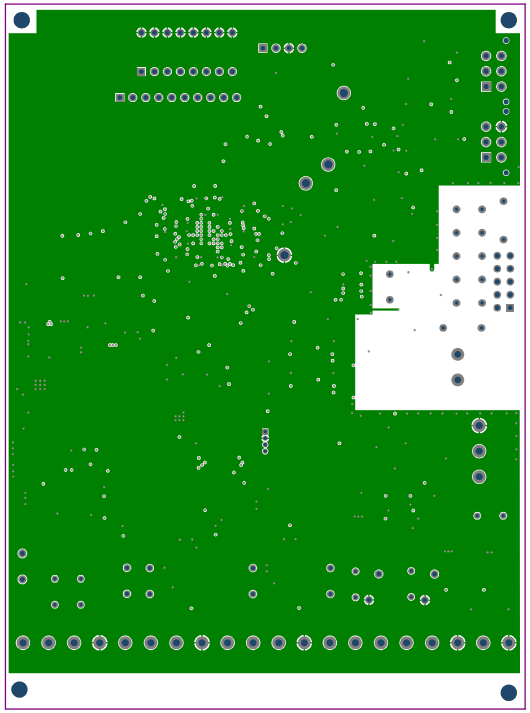
PROJECT : MAXIMUS
DESIGNER : ANDRE SPILMANN, ing.
REVISED BY : GUY SANTERRE, ing.
DATE : 2022-05-02
NAME : PCB124R6.PCB



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11. Blue solder mask

LAYER PRINTED

MID LAYER 1

MECHANICAL :
1 ,4

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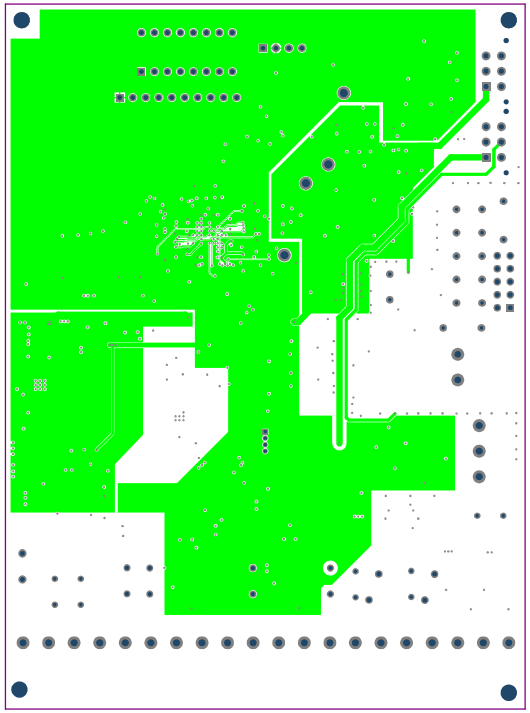
PROJECT : MAXIMUS
DESIGNER : ANDRE SPILMANN, ing.
REVISED BY : GUY SANTERRE, ing.
DATE : 2022-05-02
NAME : PCB124R6.PCB



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3. All dimensions are imperial unless specified.
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9. Add 10mm border all around with 3 fiducials
10. Electrical test must be performed
11. Blue solder mask

LAYER PRINTED

MID LAYER 2
MECHANICAL :
1 ,4

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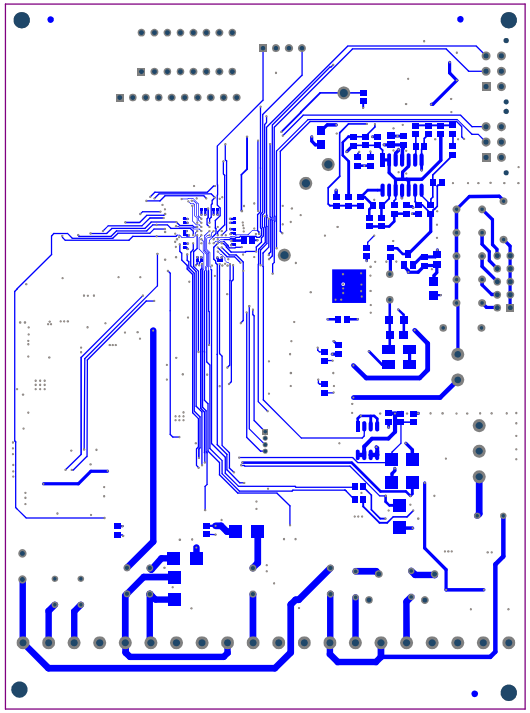
PROJECT : MAXIMUS
DESIGNER : ANDRE SPILMANN, ing.
REVISED BY : GUY SANTERRE, ing.
DATE : 2022-05-02
NAME : PCB124R6.PCB



NOTE:

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   0.0625 +/-0.007
3. All dimensions are imperial unless specified.
4. Silkscreening to be non-conductive WHITE epoxy.
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   UL rating must appear on P.C.B. side unless
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9. Add 10mm border all around with 3 fiducials
10. Electrical test must be performed
11. Blue solder mask

LAYER PRINTED

MECHANICAL : 1 ,4
BOTTOM LAYER

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PROJECT : MAXIMUS
DESIGNER : ANDRE SPILMANN, ing.
REVISED BY : GUY SANTERRE, ing.
DATE : 2022-05-02
NAME : PCB124R6.PCB

NOTE:

1. 4 Layers, ENIG finish, FR-4, 1 oz. copper on each layer
2. Over all thickness after plating:
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3. All dimensions are imperial unless specified.
4. Silkscreening to be non-conductive WHITE epoxy.
5. Board must meet UL rating of 94V-0 and
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   the manufacturer logo is UL acknowloged.
6. The supplier must be put the date code (week-year)
   and his logo on either side.
7. The finished line width must be within +/-10%
   of the original artwork.
8. Panelize the circuit (V-grooves) to optimize board usage.
9. Add 10mm border all around with 3 fiducials
10. Electrical test must be performed
11. Blue solder mask

LAYER PRINTED

MECHANICAL : 1 ,4

BOTTOM SOLDER

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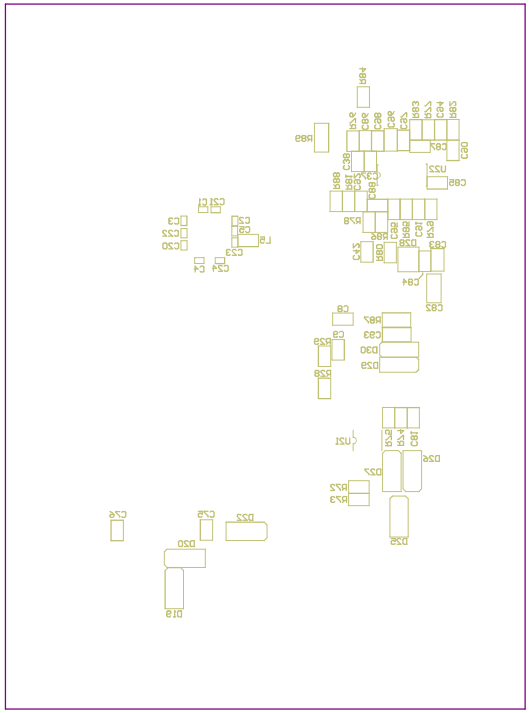
PROJECT : MAXIMUS
DESIGNER : ANDRE SPILMANN, ing.
REVISED BY : GUY SANTERRE, ing.
DATE : 2022-05-02
NAME : PCB124R6.PCB



NOTE:

1. 4 Layers, ENIG finish, FR-4, 1 oz. copper on each layer
2. Over all thickness after plating:
   0.0625 +/-0.007
3. All dimensions are imperial unless specified.
4. Silkscreening to be non-conductive WHITE epoxy.
5. Board must meet UL rating of 94V-0 and
   UL rating must appear on P.C.B. side unless
   the manufacturer logo is UL acknowloged.
6. The supplier must be put the date code (week-year)
   and his logo on either side.
7. The finished line width must be within +/-10%
   of the original artwork.
8. Panelize the circuit (V-grooves) to optimize board usage.
9. Add 10mm border all around with 3 fiducials
10. Electrical test must be performed
11. Blue solder mask

LAYER PRINTED

MECHANICAL : 1 ,4

BOTTOM OVERLAY

MAXIMUS
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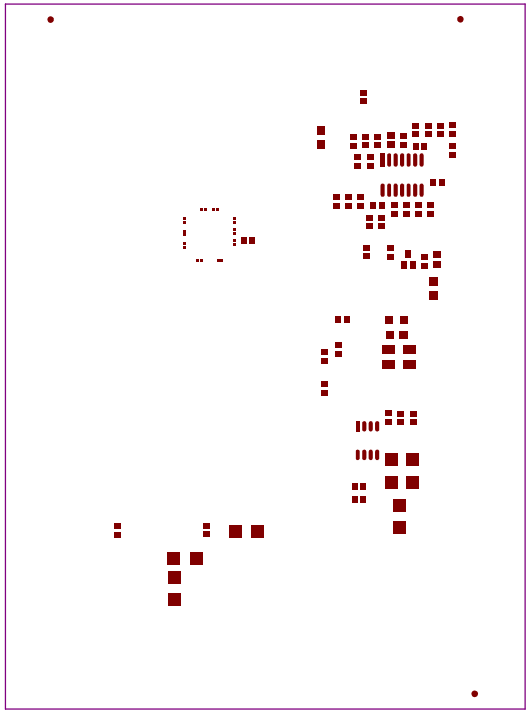
PROJECT : MAXIMUS
DESIGNER : ANDRE SPILMANN, ing.
REVISED BY : GUY SANTERRE, ing.
DATE : 2022-05-02
NAME : PCB124R6.PCB



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LAYER PRINTED

MECHANICAL :
1 ,4

BOTTOM PASTE

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