
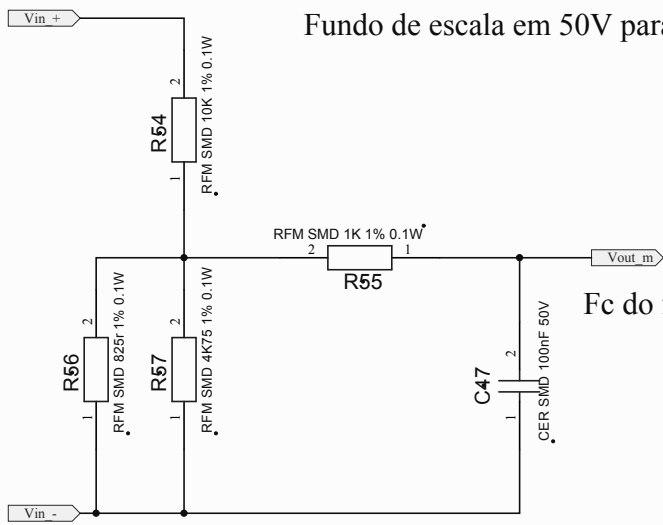



Fc do filtro em  $F_s * 2 = 120\text{KHz}$

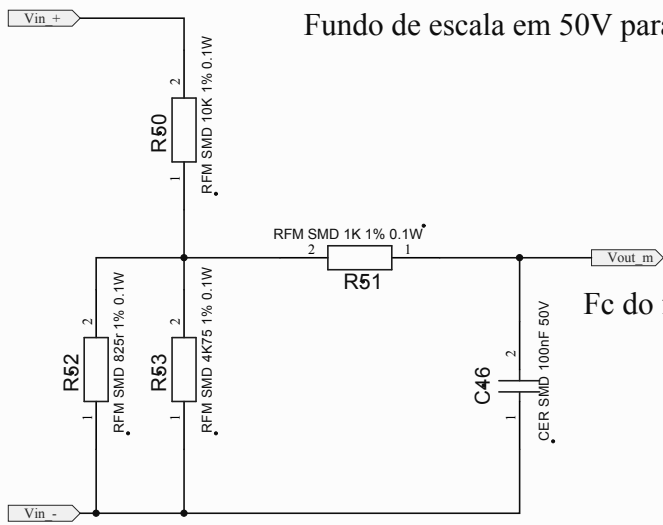
Title <b>Buck Sinc Converter</b>			UDESC	
Size: A4	Number:	Revision: R0		
Date: 08/07/2015	Time: 23:53:06	Sheet 5 of 10		
File: C:\Users\Naelton\Documents\Naelton\UDESC 2015-1\Mestrado\Projeto_PSE_Updated\trunk\Schematic\Current measure Sch				



Fundo de escala em 50V para 3V3

Fc do filtro em  $F_s/100 = 0.6\text{KHz}$

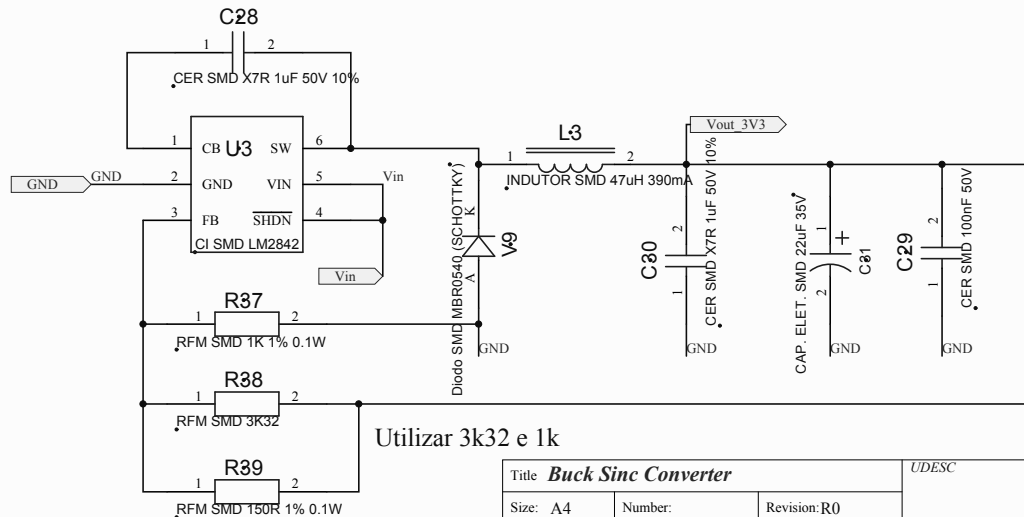
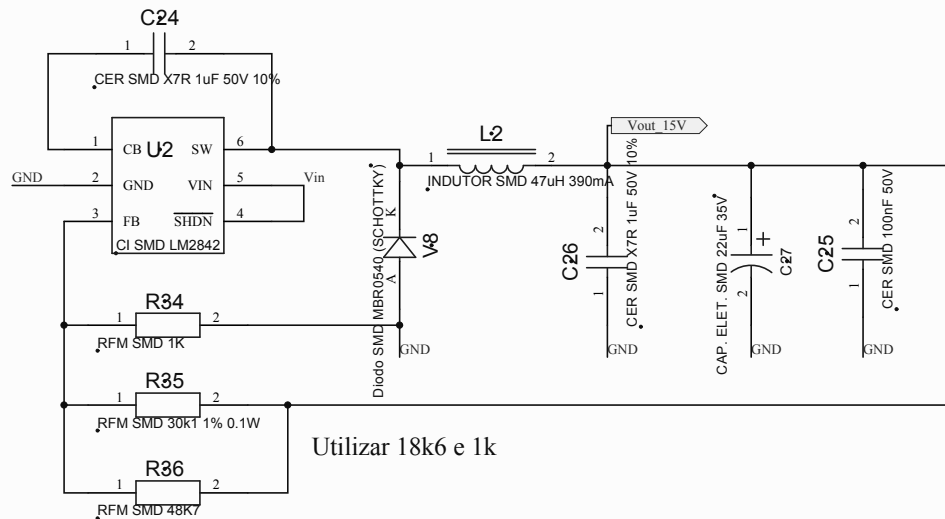
Title <b>Buck Sinc Converter</b>			UDESC	
Size: A4	Number:	Revision: R0		
Date: 08/07/2015	Time: 23:53:06	Sheet 6 of 10		
File: C:\Users\Naelton\Documents\Naelton\UDESC 2015-1\Mestrado\Projeto_PSE_Updated\trunk\Schematic\Voltage_measur.Sch				



Fundo de escala em 50V para 3V3

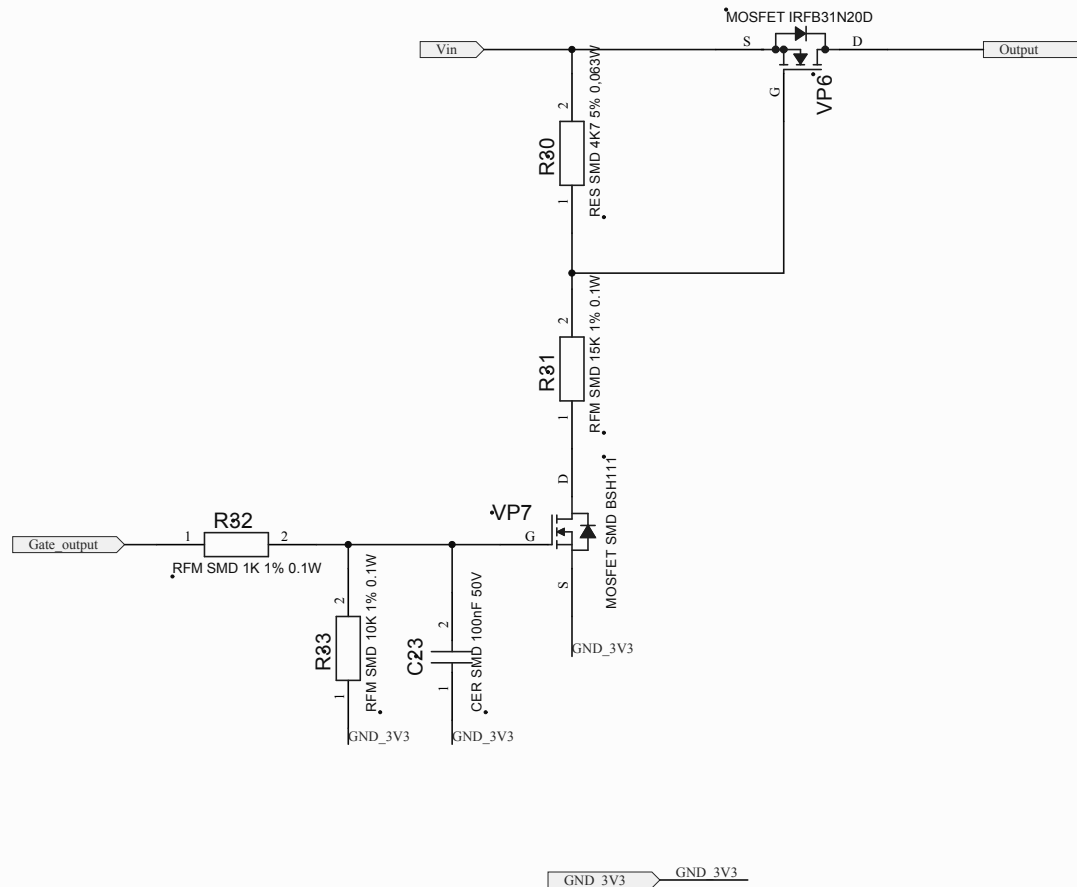
Fc do filtro em  $F_s/100 = 0.6\text{KHz}$

$$V_{OUT}=0,765V(1+(R1/R2))$$

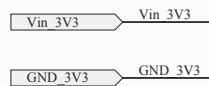
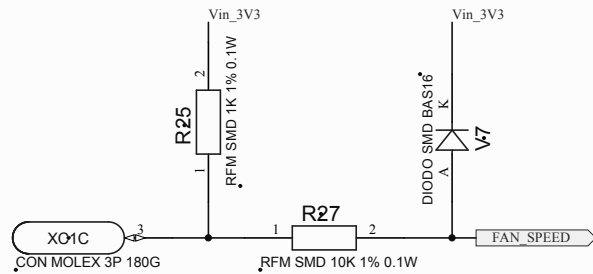
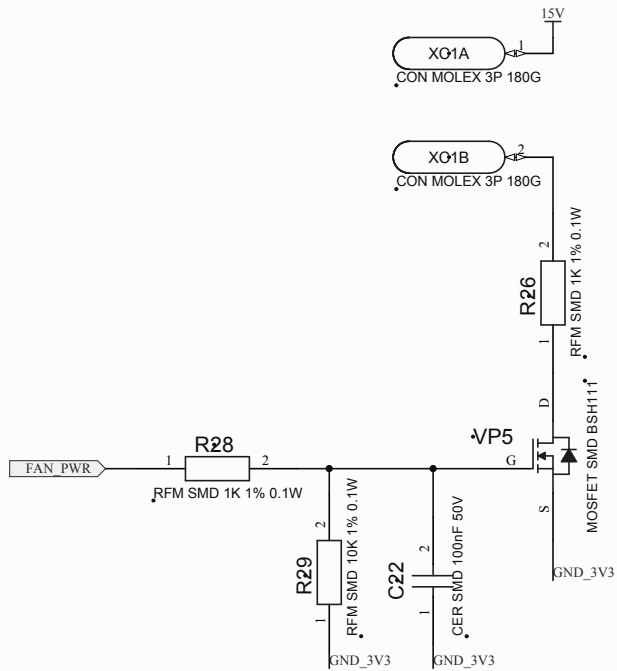


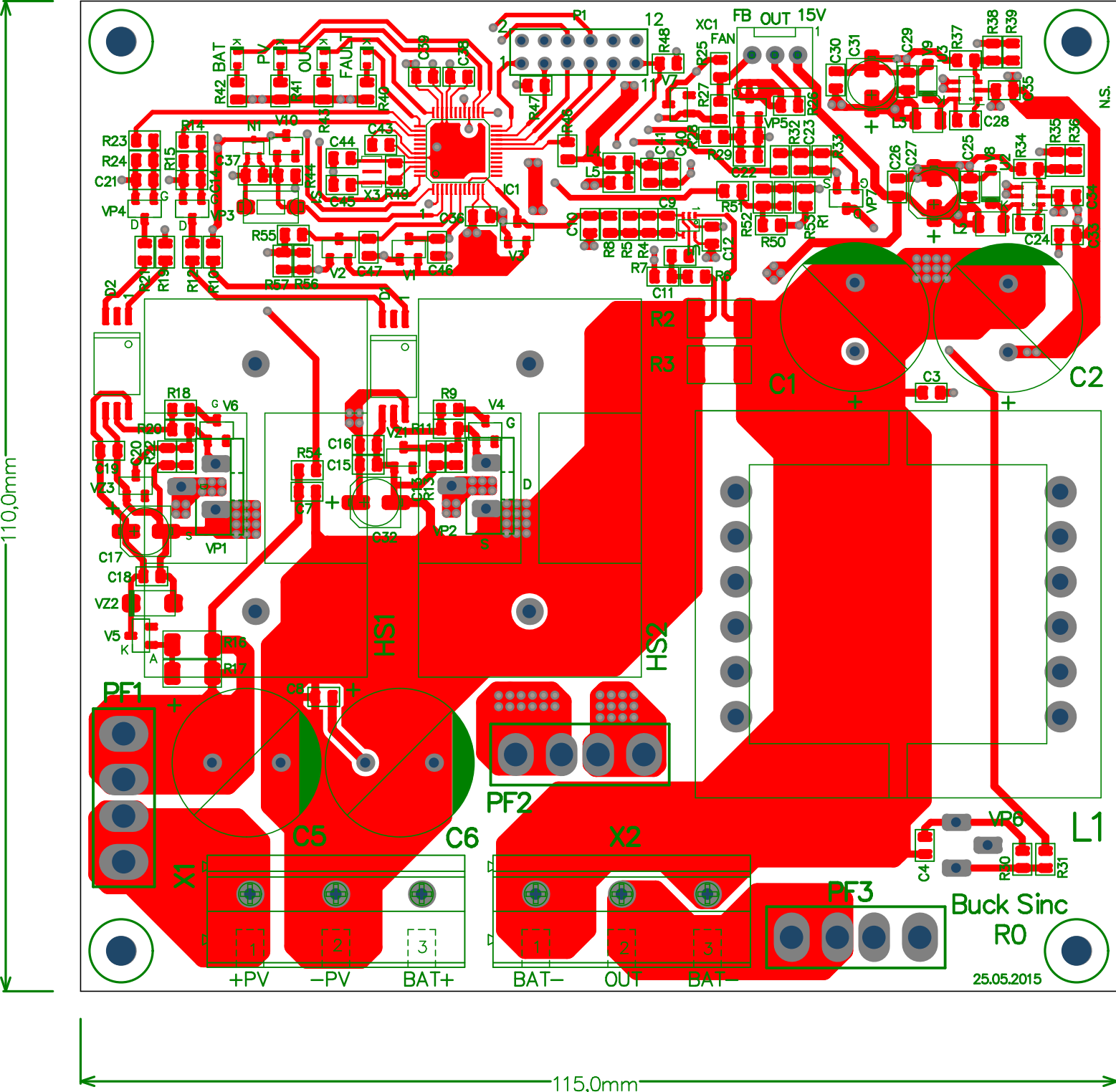


Trocar por um Canal P, verificar se pinagem é a mesma.









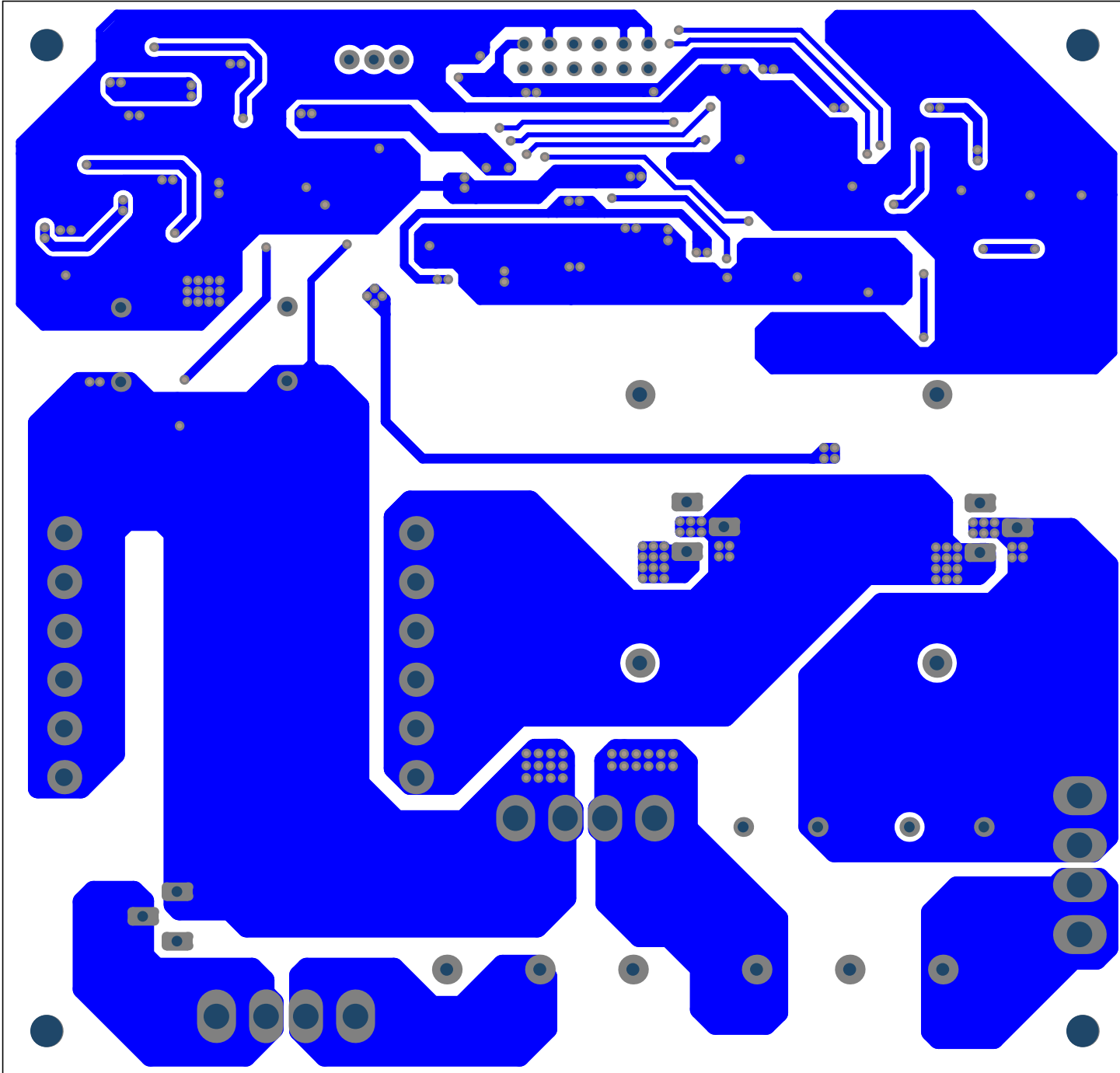
Material base FR4

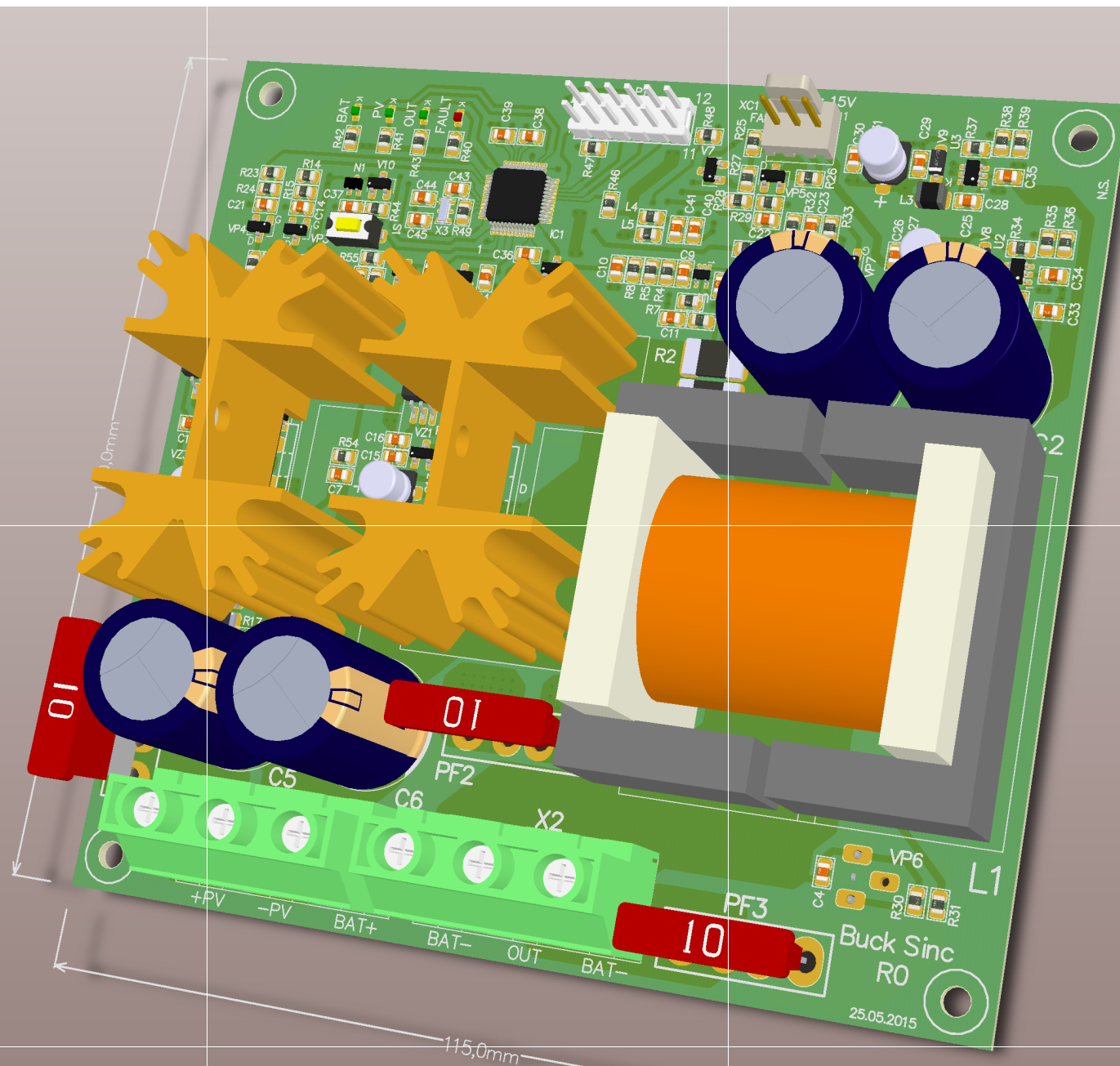
Dupla Face/furos metalizados

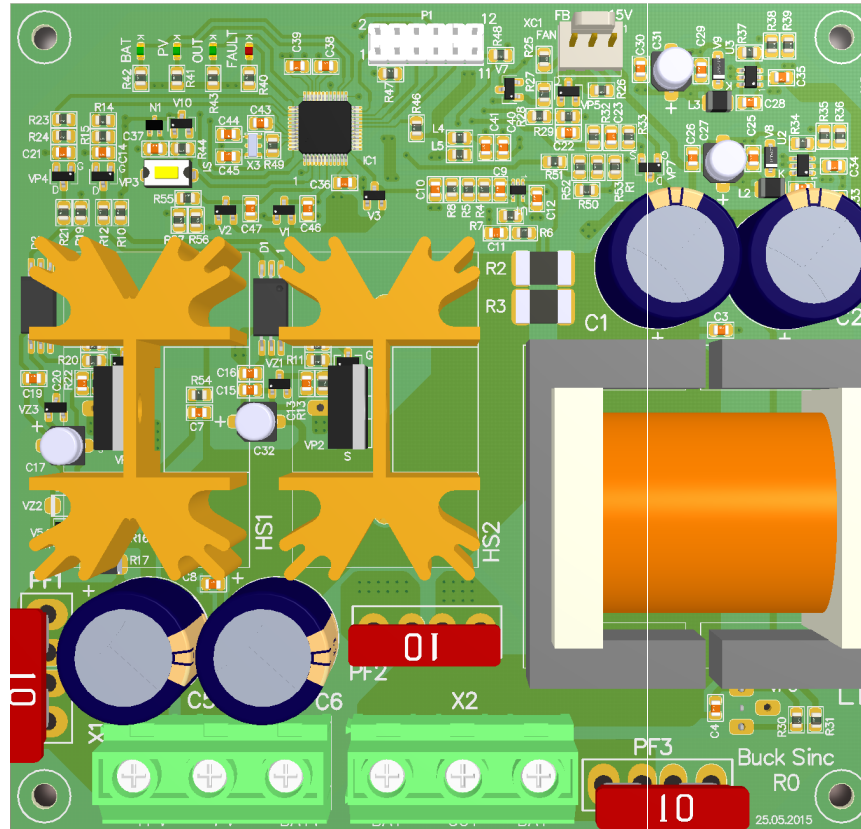
Espessura de cobre 10z(35um) min.

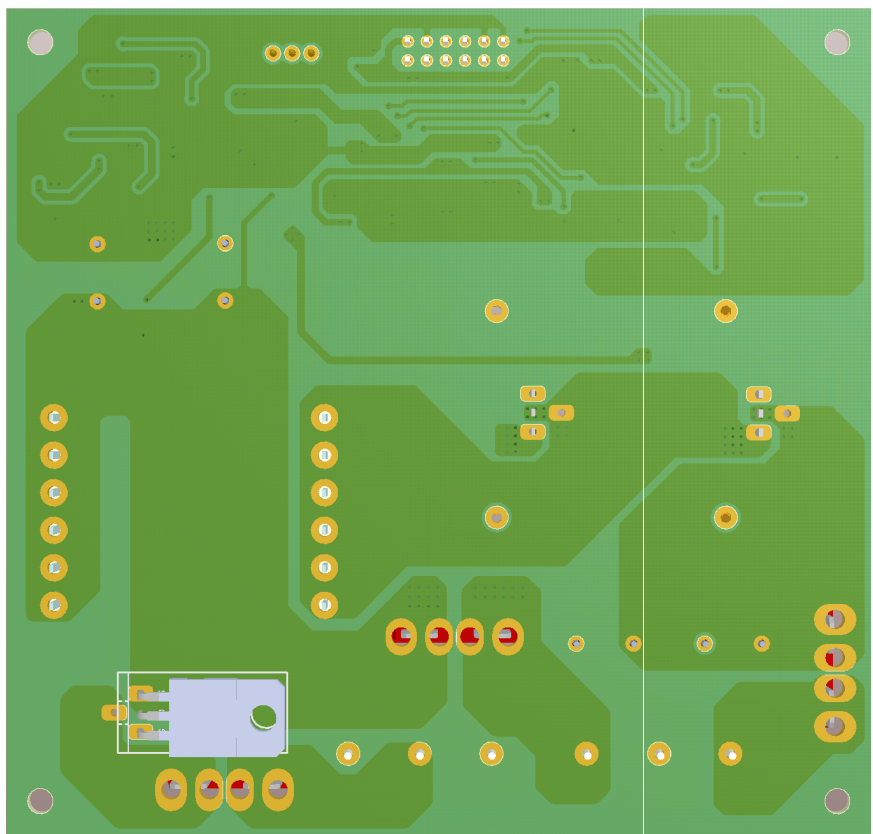
Acabamento HASL (Hot Air)

Espessura do laminado 1.6mm











Designator	Value	PMT	Quantity
C1, C2, C5, C6	CAP ELE 1000uF 50V	THT	4
C3, C7, C10, C12, C13, C14, C16, C19, C20, C21, C22, C23, C25, C29, C34, C35, C41, C46, C47	100nF 6.8V 10%, CER SMD 100nF 50V	SMD	19
C4, C8, C15, C18, C24, C26, C28, C30, C33, C37, C39, C40, C44, C45	1uF 50V 10%, 36pF 50V, CER SMD X7R 1uF 50V 10%	SMD	14
C9, C11	CER SMD 22pF	SMD	2
C17, C27, C31, C32	CAP. ELET. SMD 22uF 35V	SMD	4
C36, C38, C43	2u2F 6.8V 10%	SMD	3
D1, D2	CI SMD ACPL-W343	SMD	2
H1	LED SMD VM (0603)	SMD	1
H2, H3, H4	LED SMD VD (0603)	SMD	3
IC1, P1, X3	TMS320F28027_PT, XTAL 60MHz	SMD	3
L1	INDUTOR 100uH EE42	THT	1
L2, L3	INDUTOR SMD 47uH 390mA	SMD	2
L4, L5	Bead		2
N1	CI SMD ADM803TAKSZ	SMD	1
PF1	10A	THT	1
PF2, PF3	10A	THT	2
R1	RFM SMD 20K 1%0.1W	SMD	1
R2, R3	RFM SMD 0R015 1%2W	SMD	2
R4	RFM SMD 47k	SMD	1
R5	RFM SMD 49k9	SMD	1
R6, R8	RFM SMD 100r	SMD	2
R7, R9, R14, R18, R23, R25, R26, R28, R32, R34, R37, R51, R55	RFM SMD 1K, RFM SMD 1K 1%0.1W	SMD	13
R10, R19	RFM SMD 86R6 1%0.1W	SMD	2
R11, R20	RFM SMD 4.7r 1%0.1W	SMD	2
R12, R21	RFM SMD 49.9R 1%0.1W	SMD	2
R13, R15, R22, R24, R27, R29, R33, R50, R54	RFM SMD 10K 1%0.1W	SMD	9
R16, R17	RFM SMD 1K 1%0.5W	SMD	2
R30, R44	RES SMD 4K7 5%0,063W	SMD	2
R31	RFM SMD 15K 1%0.1W	SMD	1
R35	RFM SMD 30k1 1%0.1W	SMD	1
R36	RFM SMD 48K7	SMD	1
R38	RFM SMD 3K32	SMD	1
R39	RFM SMD 150R 1%0.1W	SMD	1
R40, R41, R42, R43	RFM SMD 330R 5%0.1W	SMD	4
R46, R47, R48	10k 5%0805	SMD	3
R49	1M 1%0805	SMD	1
R52, R56	RFM SMD 825r 1%0.1W	SMD	2
R53, R57	RFM SMD 4K75 1%0.1W	SMD	2
S1	Tecla SMD STSM-31-STR	SMD	1
U1	OPA348AIDCKR	SMD	1
U2, U3	CI SMD LM2842	SMD	2
V1, V2, V3	DIODO SMD BAV99	SMD	3
V4, V5, V6, V7	DIODO SMD BAS16	SMD	4
V8, V9	Diodo SMD MBR0540 (SCHOTTKY)	SMD	2
V10	DIODO SMD BAS40	SMD	1
VP1, VP2, VP6	MOSFET IRF2805, MOSFET IRFB31N20D	THT	3
VP3, VP4, VP5, VP7	MOSFET SMD BSH111	SMD	4
VZ1, VZ3	Zener SMD BZX84C18	SMD	2
VZ2	ZENER SMD 15V 2W	SMD	1
X1, X2	CON. EK950V-03P	THT	2
XC1	CON MOLEX 3P 180G	THT	1