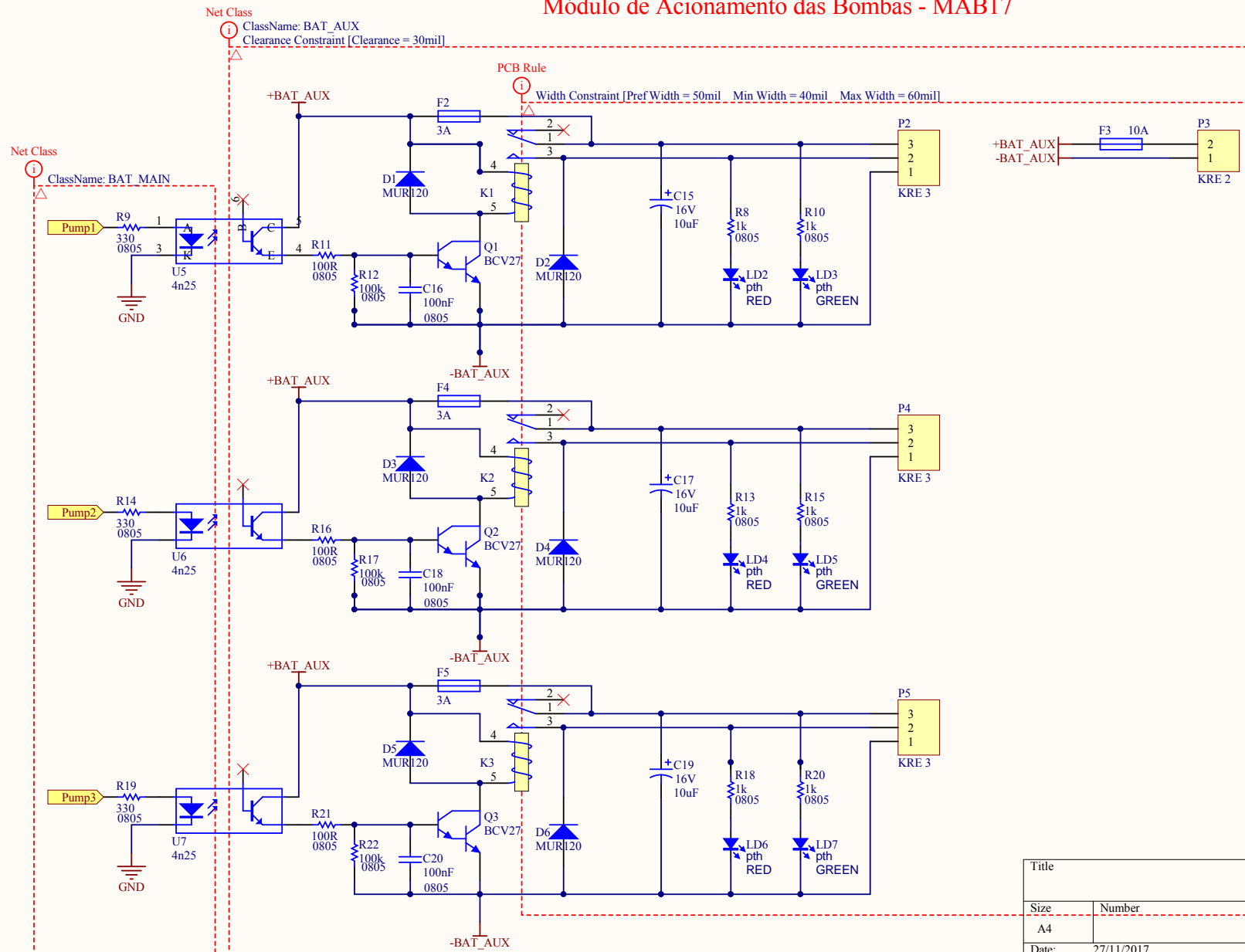


Title		
Size	Number	Revision
A4		
Date:	27/11/2017	Sheet of
File:	H:\MAB17atmega.SchDoc	Drawn By:

## Módulo de Acionamento das Bombas - MAB17



Title		
Size	Number	
A4		
Date:	27/11/2017	Sheet of
File:	H:\MAB17relays.SchDoc	Drawn By:

# Bill of Materials

<Parameter Title not found>

Source Data From:

MAB17.PrjPcb

Project:

MAB17.PrjPcb

Variant:

None

Creation Date:

27/11/2017

22:00:25

Print Date:

27-Nov-17

10:00:27 PM

Quantity	Value	Designator	Comment	Footprint
11	100nF	C1, C4, C5, C6, C9, C10, C11, C14, C16, C18, C20	100nF	0805C
1	100 uF	C2	100 uF	CP3.5mm-8.0mm
1	10 uF	C3	10 uF	CP3.5mm-8.0mm
4	22pF	C7, C8, C12, C13	22pF	0805C
3	10uF	C15, C17, C19	10uF	cap10uF16V
3	MUR120	D1, D3, D5	MUR120	DIO10.2-7x2.7
3	MUR120	D2, D4, D6	MUR120	DSO-C2/X2.3
1	250mA	F1	250mA	Porta Fusivel
3	3A	F2, F4, F5	3A	Porta Fusivel
1	10A	F3	10A	Porta Fusivel
2	YH-59-01	J1, J2	RJ45 (canbus)	ASSMANN A-2004-2-4-LP/FS
3		K1, K2, K3		RELE
1	?H	L1	?H	0805L
4	GREEN	LD1, LD3, LD5, LD7	GREEN	LED3MM
3	RED	LD2, LD4, LD6	RED	LED3MM
1		P1	USART	HDR1X5
3	KRE 3	P2, P4, P5	KRE 3	KRE_3
1	KRE 2	P3	KRE 2	KRE_2
3	BCV27	Q1, Q2, Q3	BCV27	SOT95P240-3N
1	470R	R1	470R	0805R
4	10k	R2, R3, R5, R7	10k	0805R
1	4k7	R4	4k7	0805R
1	120R	R6	120R	0805R
6	1k	R8, R10, R13, R15, R18, R20	1k	0805R
3	330	R9, R14, R19	330	0805R
1	100R	R11	100R	0805R
1	100k	R12	100k	0805R
2	100R	R16, R21	100R	0805C
2	100k	R17, R22	100k	0805C
1		U1	LM7805	TO220_deitado
1		U2	ATmega328P	DIP28-300(100)
1	MCP2515-E/SO	U3	MCP2515-E/SO	WSO18_L
1	MCP2551-I/SN	U4	MCP2551-I/SN	SOIC08-150(50)
3	4n25	U5, U6, U7	4n25	SMD-6
2	16MHz	Y1, Y2	16MHz	HC49-US-THT

