

A

B

C

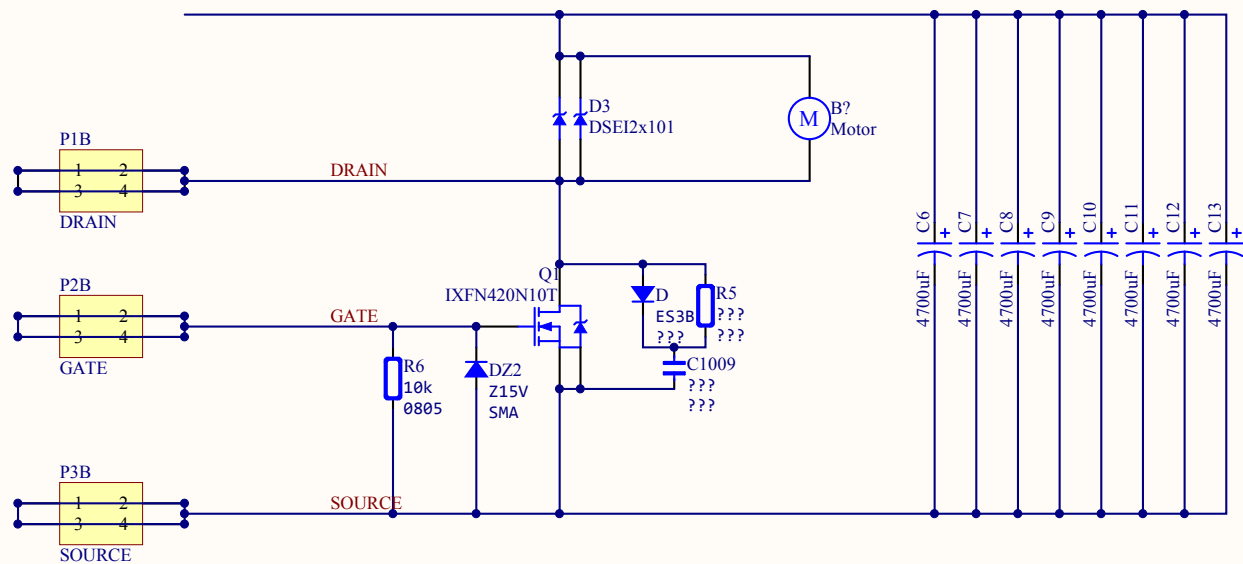
D

A

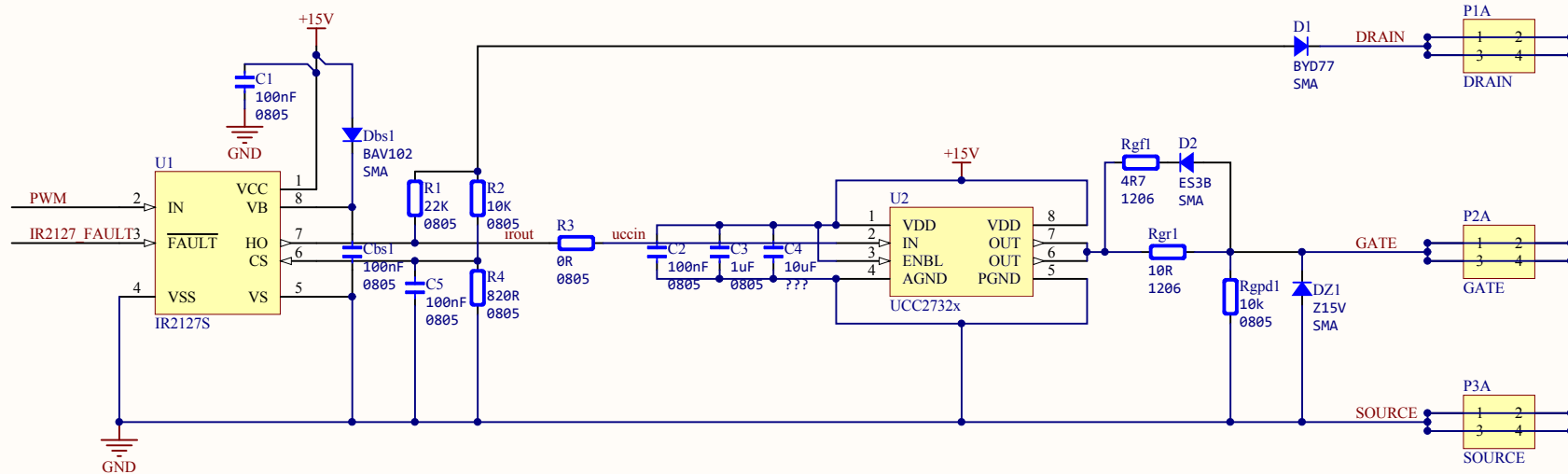
B

C

D



Title		
Size	Number	Revision
A		
Date:	07/12/2017	Sheet of
File:	C:\João Antônio Cardoso\chopper.SchDoc	Drawn By:



Title		
Size	Number	Revision
A4		
Date:	07/12/2017	Sheet of
File:	C:\João Antônio Cardoso\driver.SchDoc	Drawn By:

Quantity	Value	Comment	Designator	Description	Footprint
1		DSEI2x101	D3		SOT-227B
1		IXFN420N10T	Q1		SOT-227B
1		UCC2732x	U2		SOIC08-Thermal
1		ATmega328P	U1002	8-bit AVR Microcontroller, 32KB Flash, 1KB EEPROM, 2KB SRAM, 28-pin PDIP, Industrial Grade (-40°C to 85°C)	DIP28-300(100)
1	10uF	10uF	C4	Capacitor	0805C
1	1uF	1uF	C3	Capacitor	0805C
1	???	???	C1009	Capacitor	0805C
12	100nF	100nF	C1, C2, C5, C1001, C1004, C1005, C1006, C1008, C1012, C1013, C1016, Cbs1	Capacitor	0805C
4	22pF	22pF	C1010, C1011, C1014, C1015	Capacitor	0805C
2		16MHz	Y1001, Y1002	Crystal	HC49-US-THT
1	IR2127S	IR2127S	U1	Current Sensing Single Channel Driver	SOIC08-150(50)
1	BAV102	BAV102	Dbs1	Diode	DSO-C2/ X2.3
1	BYD7	BYD77	D1	Diode	DSO-C2/ X2.3
2	ES3B	ES3B	D, D2	Diode	DSO-C2/ X2.3
2	Z15V	Z15V	DZ1, DZ2	Diode	DSO-C2/ X2.3
1		250mA	F1001	Fuse	Porta Fusivel
2		DRAIN	P1A, P1B	Header, 2-Pin, Dual row	HDR2X2
2		GATE	P2A, P2B	Header, 2-Pin, Dual row	HDR2X2
2		SOURCE	P3A, P3B	Header, 2-Pin, Dual row	HDR2X2
1		USART	P1001	Header, 5-Pin	HDR1X5
1		MCP2551-I/SN	U1005	High-Speed CAN Transceiver, 1 Mb/s, 4.5 to 5.5 V, 8-Pin SOIC (SN), Industrial Temperature, RoHS, Tube	SOIC08-150(50)
1	?H	?H	L1001	Inductor	0805L
1	GREEN	GREEN	LD1001	LED	LED3MM
1		LM7805	U1003	Positive-Voltage Regulator	TO220_deitado
1		LM7815	U1001	Positive-Voltage Regulator	TO220_deitado
1	0R	0R	R3	Resistor	0805R
1	10R	10R	Rgr1	Resistor	RESC3225L
1	120	120	R1004	Resistor	0805R
1	22K	22K	R1	Resistor	0805R
1	470	470	R1001	Resistor	0805R
1	4R7	4R7	Rgf1	Resistor	RESC3225L
1	820R	820R	R4	Resistor	0805R
1	???	???	R5	Resistor	0805R
6	10K	10K	R2, R6, R1002, R1003, R1005, Rgpd1	Resistor	0805R
1	10 uF	CapacitorPol	C1003	Solid Aluminum Capacitor with Organic Semiconductor Electrolyte: 100uF, 10V, Bulk Pack	CP3.5mm-8.0mm
1	100 uF	CapacitorPol	C1002	Solid Aluminum Capacitor with Organic Semiconductor Electrolyte: 100uF, 10V, Bulk Pack	CP3.5mm-8.0mm
1	10uF	CapacitorPol	C1007	Solid Aluminum Capacitor with Organic Semiconductor Electrolyte: 100uF, 10V, Bulk Pack	CP3.5mm-8.0mm
1		MCP2515-E/ SO	U1004	Stand-Alone CAN Controller With SPI Interface, 18-Pin SOIC, Extended Temperature	WSO18_L
2	YH-59-RJ45 (cant		J1001, J1002	YH-59-01	ASSMANN A-2004-2-4-LP/ FS

