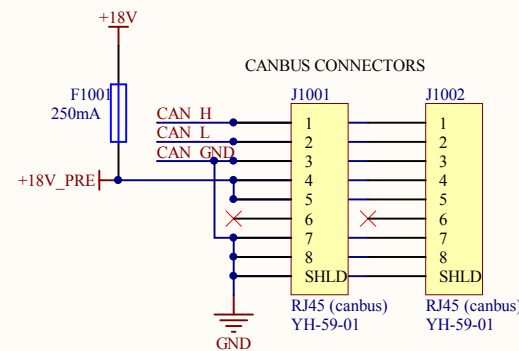
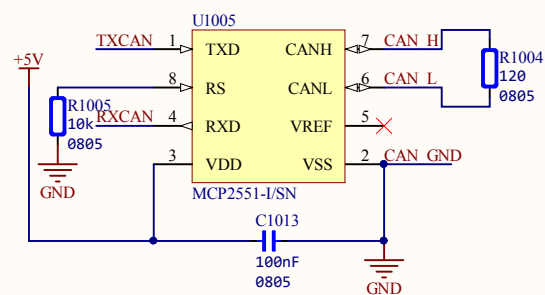
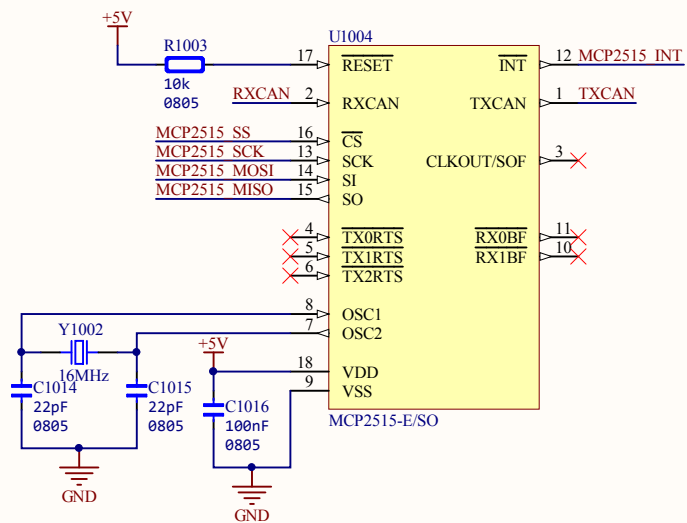
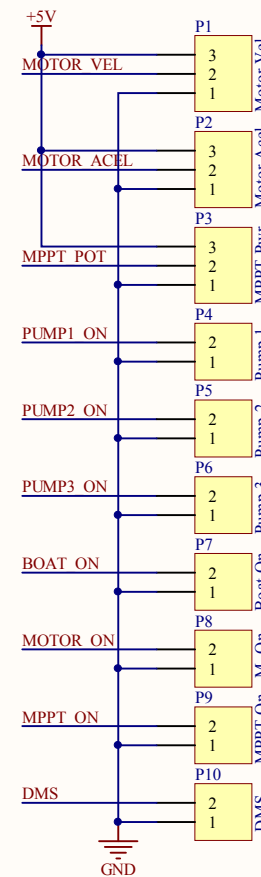
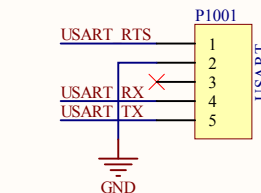
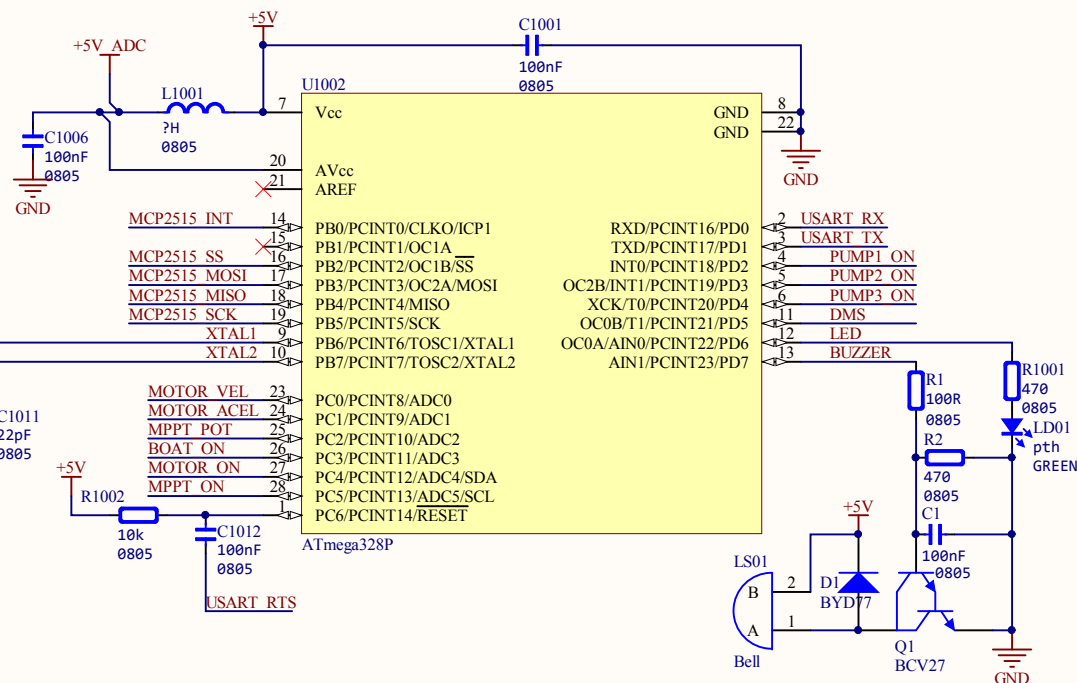
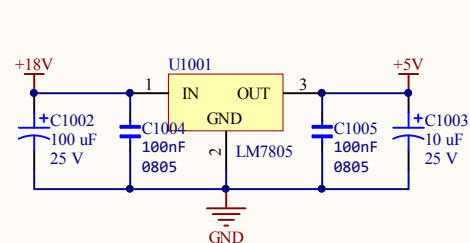


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Title		
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File:	C:\João Antônio Cardoso\atmega.SchDoc	Drawn By:

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Quantity	Value	Comment	Designator	Description	Footprint
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)
4	22pF	22pF	C1010, C1011, C1014, C1015	Capacitor	0805C
8	100nF	100nF	C1, C1001, C1004, C1005, C1006, C1012, C1013, C1016	Capacitor	0805C
2		16MHz	Y1001, Y1002	Crystal	HC49-US-THT
1	BYD77	BYD77	D1	Default Diode	DSO-C2/ X2.3
1		Bell	LS01	Electrical Bell	Buzzer5V
1		250mA	F1001	Fuse	Porta Fusivel
1	KRE 3	Motor Acel	P2	Header, 3-Pin	KRE_3
1	KRE 3	Motor Vel	P1	Header, 3-Pin	KRE_3
1	KRE 3	MPPT Pwr	P3	Header, 3-Pin	KRE_3
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	LD01	LED	LED3MM
1	BCV27	BCV27	Q1	NPN Darlington Bipolar Transistor	SOT95P240-3N
1		LM7805	U1001	Positive-Voltage Regulator	TO220_deitado
1	100R	100R	R1	Resistor	0805R
1	120	120	R1004	Resistor	0805R
2	470	470	R2, R1001	Resistor	0805R
3	10k	10k	R1002, R1003, R1005	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		MCP2515-E/ SO	U1004	Stand-Alone CAN Controller With SPI Interface, 18-Pin SOIC, Extended Temperature	WSO18_L
1	KRE 2	Boat On	P7	Terminal Block 1x2	KRE_2
1	KRE 2	DMS	P10	Terminal Block 1x2	KRE_2
1	KRE 2	M. On	P8	Terminal Block 1x2	KRE_2
1	KRE 2	MPPT On	P9	Terminal Block 1x2	KRE_2
1	KRE 2	Pump 1	P4	Terminal Block 1x2	KRE_2
1	KRE 2	Pump 2	P5	Terminal Block 1x2	KRE_2
1	KRE 2	Pump 3	P6	Terminal Block 1x2	KRE_2
2	YH-59	RJ45 (cabo)	J1001, J1002	YH-59-01	ASSMANN A-2004-2-4-LP/ FS

