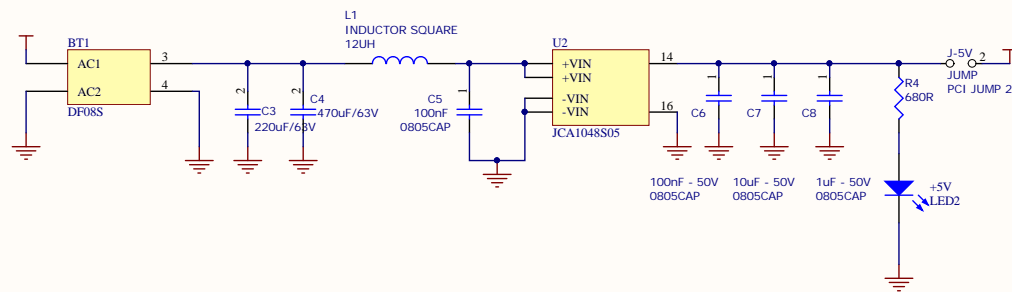
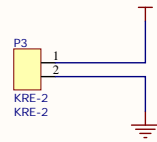


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File:	C:\Users\...\Fonte.SchDoc	Drawn By:

Designator
Microcontrolador.SchDoc



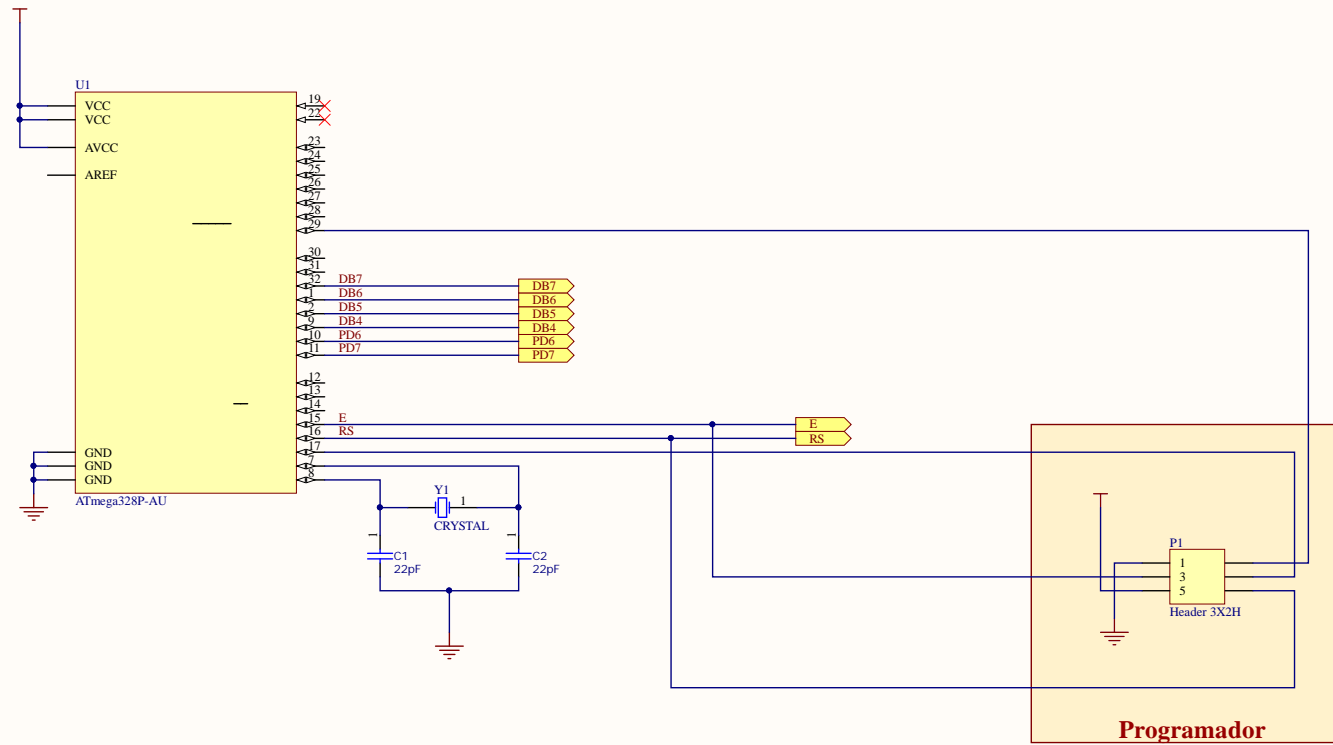
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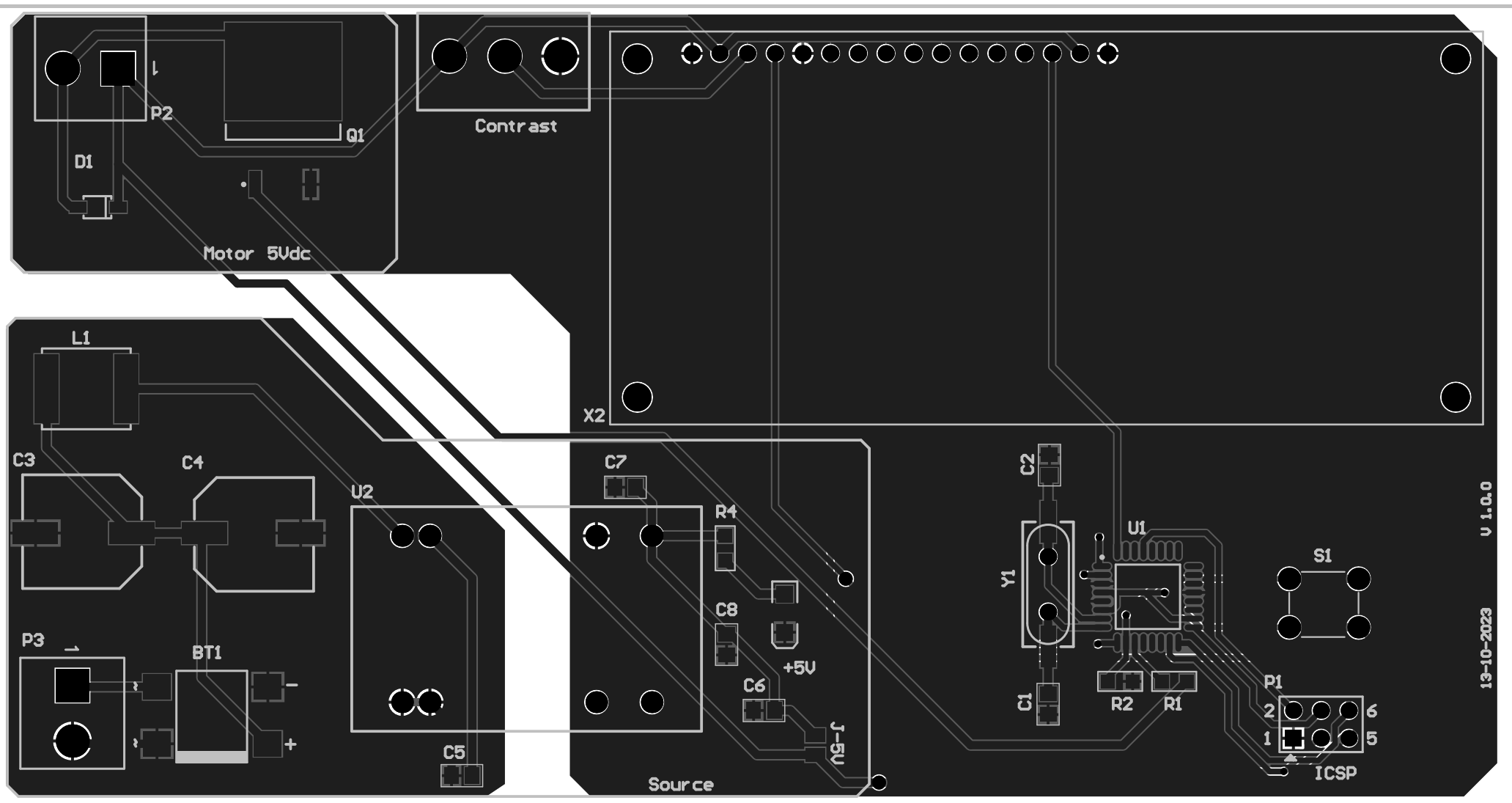
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Acionadores e Atuadores.SchDoc



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Date:	13-Oct-23	Sheet of
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Title			
Size B	Number		Revision
Date:	13-Oct-23	Sheet of	
File:	C:\Users\...\Microcontrolador.SchDoc	Drawn By:	



Comment	Description	Designator	Footprint	LibRef	Quantity
LED2	Typical RED, GREEN, YELLOW, AMBER GaAs LED	+5V	3.2X1.6X1.1	LED2	1
DF08S		BT1	DF-S	DF08S	1
22pF		C1, C2	CAP0805	CAP_4	2
220uF/63V		C3	CAP_ELET_SMD_10x13.5	CAP	1
470uF/63V		C4	CAP_ELET_SMD_10x13.5	CAP	1
100nF		C5	CAP0805	CAP	1
100nF - 50V		C6	CAP0805	CAP	1
10uF - 50V		C7	CAP0805	CAP	1
1uF - 50V		C8	CAP0805	CAP	1
1N4007	Default Diode	D1	SOD123 - duplicate	Diode	1
JUMP		J-5V	JUMP2_0805	JUMP	1
470UH	Inductor	L1	IND 61X61	IND	1
Header 3X2H	Header, 3-Pin, Dual row, Right Angle	P1	HDR-2X3	Header 3X2H	1
KRE-2		P2, P3	KRE-2	CON2_2_2	2
IRFZ44N	HEXFET N-Channel Power MOSFET	Q1	D2PAK_N	IRF640S	1
15k	Resistor	R1	0805RES	Res1	1
10k	Resistor	R2	0805RES	Res1	1
RPot	Potentiometer	R3	Pot	RPot	1
680R	2.2 Ohm 5% 1/16W 0603 RES SMT	R4	0805RES	Res0805	1
TACTIL 5MM		S1	TACTIL 5MM - duplicate	PUSH-BUTTON	1
ATmega328P-AU	8-bit AVR Microcontroller, 32KB Flash, 1KB EEPROM, 2KB SRAM, 32-pin TQFP, Industrial Grade (-40°C to 85°C)	U1	32A	ATmega328P-AU	1
JCA1048S05		U2	SCW05	SCW05	1
LCD_16X2		X2	LCD16X2	LCD_16X2	1
CRYSTAL	Crystal Oscillator	Y1	HC49S-SMD	CRYSTAL	1